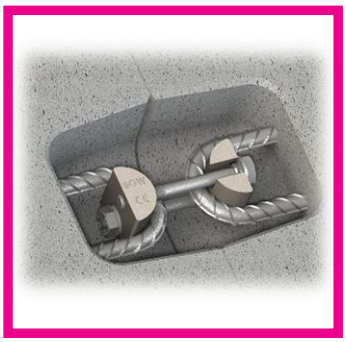






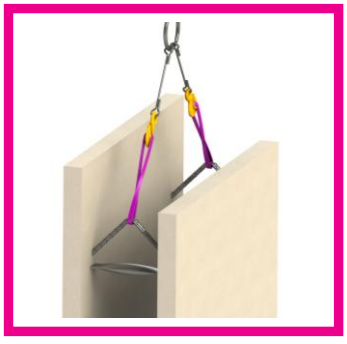



BGW

bohr GmbH
GERMAN QUALITY
SINCE 1986

Build something great









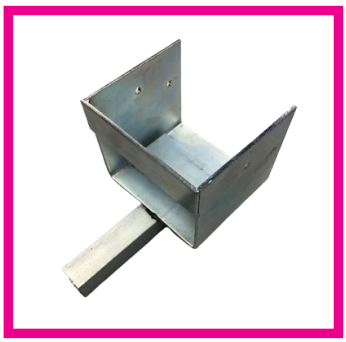










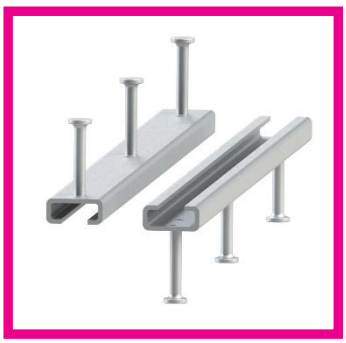






BGW – Bohr GmbH
Kastanienstr. 10
97854 Steinfeld









Inhalt

Magnets and formwork 9

BGW- wall spacers / frame formwork - slotted pipe system 10
BGW- triangular steel strips (DKLS) 13
BGW- polyethylene triangular strips in "pink" 16
BGW- polyurethane triangular strips (DKLK), magnetic 17
BGW- Flexi-N triangular strip, magnetic 18
BGW- water stop profile / drip-off profile / water nose profile, magnetic) 19
BGW- trapezoidal strips / BGW- dummy joint strip 20
BGW- dummy joint strips / separating joint strips 24
BGW- dummy joint 25
BGW- holding magnet type HM1 (formwork hold-down clamp, shear clamp) 26
BGW- holding magnet HM1 neodymium (formwork hold-down clamp, shear clamp) 27
BGW- holding magnet type HM2 (shear support) 29
BGW- holding magnet HM2-neodymium (shear holder) (formwork) 32
BGW- HM3 holding magnet for substructure in the U-profiles/formwork profiles 33
BGW- Formwork profiles for forming filigree ceiling slabs 34
BGW- Shuttering profiles (for Filigree ceilings, Double walls, and Traunstein mobile silos) 36
Corners 90° suitable for shuttering profiles (for slab/wall production) 37
BGW- U-profiles in special heights 39
BGW- holding magnets type HM4 for fixing threaded anchors to the steel formwork on steel formwork 40
BGW- holding magnets type HM4 for fixing Threaded anchors 41
BGW- HM4-B Magnetic recessed body for the BGW- concrete thread 43
BGW- holding magnets type HM4 for fixing Threaded anchors 44
BGW- screw plug with thread (for screwing onto threaded anchors) 45
BGW- holding magnets type HM4-D for fixing threaded anchors to the steel formwork 46
BGW- holding magnets type HM4 for fixing threaded anchors to the steel formwork 48
BGW- holding magnet HM4 with stepped pin for attaching plastic dowels/ fixing during concreting 49
BGW- holding magnet type HM4-R for securing HD/KG pipes on steel formwork 50
BGW- holding magnet type HM4-13, double-sided magnetic holder for Threaded anchors 51
BGW- holding magnet type HM4 for holding scaffolding sleeves 53
BGW- shaft magnet (pocket former) , for holding concrete loops 54
BGW- holding magnet type HM5 - ball head anchor accessories 55
BGW- rubber sleeve for KKA recess former 55
BGW- holding magnet type HM6 for fixing upstands 57
BGW- Fixing claw, hold-down device, and straightening ruler for HM6 magnetic holder 58
BGW- holding magnet type HM10 - for substructure 59
Universal BGW- fixing device for formwork shuttering 60
BGW- shuttering system type HM12 - polyurethane shuttering systems 61
BGW- solid wall shuttering system for HM13 – Switchable magnet system 64
BGW- basic formwork with timber cladding – switchable magnet system 77
BGW- basic formwork with wooden cladding and attachment 80
BGW- fixing magnet for transverse shutters 81
BGW- cross formwork made of special polyurethane 82
BGW- recess former (ASK) - for magnetic recesses 83

BGW- holding magnet HM14 84
BGW- magnetic formwork bar HM15 made of Steel sheets with built-in magnets 89
BGW- HM16 for fixing anchor channels 91
BGW- holding magnet type HM17 – Round hole saw magnet 93
BGW- holding magnet type HM18 - Rectangular magnetic body made of polyurethane for holding the Formwork in place 95
BGW- holding magnet type HM19 – Magnet box for flanging of formwork 96
BGW- holding magnet type HM20 (garage formwork) 98
BGW- holding magnet type HM20 -1 for flanging on Formwork 99
BGW- holding magnet type HM21 for securely holding built-in electrical components 100
BGW- holding magnet for the installation of flush-mounted boxes in precast concrete plants 103
BGW- holding magnet type HM22 – for attachment to edge formwork 104
BGW- holding magnet type HM23 - neodymium version of HM6 for fixing upstands 105
BGW- HM24 for fixing connecting loops 105
BGW- shuttering hold-down magnet HM25 106
BGW- holding magnet type HM26 – Switching magnet HM13 107
BGW- holding magnet type HM27 – Strong magnetic parking bracket on both sides 108
BGW- holding magnet type HM28 / HM29 / HM30 – Strong holding magnet 109
BGW- holding magnet systems (HM) Tips and hints 110
A selection of special magnets 111
BGW- marking magnets - “concrete stamps” 113

Lifting and transport 114

BGW- Transport anchors, lifiting sockets type (QLH) 115
BGW- sleeve screw - centering screw with pin 117
BGW- transport anchor (TA) 118
BGW- straight bar anchor (STA) 120
BGW- straight bar anchor cranked / sandwich panel anchors 125
BGW- Double wave anchors DWL and DWK 127
BGW- wave anchor (WL)/wave form Pfeifer 133
BGW- Angled fixing insert (WA) 137
BGW- ripped foot anchor (RFA) 139
BGW- extension for threaded transport anchors 143
BGW- Threaded socket for threaded transport anchors 143
BGW- segment anchors - loaded threaded anchors 144
BGW- segmented flat steel anchors, loaded flat steel anchors (SFSA) 145
BGW- segment anchors - loaded threaded anchors – lifter for threaded anchors 146
BGW- anchor swivel with swivel joint, thimble and cable for segment anchors 146
BGW- System accessories for the BGW- segment anchor lifter 147
BGW- Data cut-out body - marking stamp for segment anchors (DASKS) 147
BGW- steel retaining washers without magnets 148
BGW- Threaded mandrel – Threaded bolt 149
BGW- threaded bar or short pieces 149
BGW- connecting sleeves 150
BGW- crutch anchor M and Rd thread - galvanized 151
BGW- screw anchor (SA) 157
BGW- anchor - universal transport anchor HFAM – System for recessed anchor installation 161

BGW- Accessories for HFAM transport anchor system 163
BGW- transport loop - swivel coupling for the HFAM system 165
BGW- HFAMASW Load-bearing device for the installed anchor 166
BGW- Masonry anchors, crutch anchors and liapor anchors 169
BGW- transport anchor system for prefabricated masonry – reusable 170
BGW- Rope loops for screwing into the threaded sleeve 171
BGW- rope loop type Goliath for screwing into the threaded sleeve 171
BGW- FBA transport anchor with flat steel reinforcement for thin walls 172
BGW- bar anchor reinforced 173
BGW- spacers / pressure plate for threaded anchors 173
BGW- sleeve ring anchor 174
BGW- toggle anchor 175
Marking of threaded transport anchors 176
BGW- universal lifter U1 = lifting swivel and U2 = load block for Threaded anchors – For diagonal and transverse pull 178
BGW- lifting swivel (AW) - for diagonal and transverse tension 182
BGW- lifter for threaded anchors 183
BGW- Transport loops system (TS) – TPS system – Slinging equipment 184
BGW- Threaded terminal – End fitting on the rope, with continuous thread 186
BGW- rope loops - rope eyelets with External thread 187
BGW- Rope loop waisted – for attaching threaded transport anchors 190
BGW- rope loop with 2 pressed-in ropes - for attaching threaded transport anchors 191
BGW- rope loop Goliath with forged head for transverse and diagonal pulling 191
BGW- Goliath rope loop with forged head and pressure plate 192
BGW- Rope loops with internal thread 193
BGW- rope loop, G-inch pipe thread 194
BGW- Rope loop for inclined pull 195
BGW- eyebolt DIN 580 with rope and thimble in 8 grooves 196
BGW- re-cutter / reworking screw with dirt groove 197
BGW- Transport anchor (Fili2) for double walls 198
BGW- transport anchor (Fili3) for double walls 200
BGW- transport anchor Fili10 made of flat steel reinforcement 201
BGW- transport anchor Fili14 – for double walls 203
BGW- transport anchor Fili14 “self-assembly” 206
BGW- Fili15 transport anchors - with side-mounted anchoring legs 209
BGW- transport anchor Fili16 - for double walls 210
BGW- transport anchor Fili16 - “self-assembly” 212
BGW- Fili17 – The reusable transport system for double walls 214
BGW- Fili18 – Double wall transport anchor for solid walls 215
BGW- installation reinforcement (Fili) for BGW- (DWA) 217
BGW- Double wall spacers = DWAH 219
BGW- wall spacer (AH) for double walls 221
BGW- Assembly aids (Quickie) 222
BGW- CNC bending machine for double wall anchor brackets Ø 12 and Ø 14 223
BGW- coupling strap the installation aid for walls 224
BGW- concrete loops (BS loop) made of wire rope 225
BGW- concrete loops made of polypropylene 226

BGW- concrete loops made of wire rope, galvanized 226
BGW- open concrete loop (BSO) 228
BGW- Weldable concrete loop 229
BGW- concrete loop system for recessed installation 230
BGW- angle loops and shaped bodies 231
BGW- RKS expansion anchor 233
BGW- RKS expansion anchors ASK system accessories 234
BGW- RKS two-hole anchor / universal anchor / expansion anchor / plate anchor 235
BGW- RKS flat foot anchors s / sandwich panel anchors / anchor bars 237
BGW- ring clutch 238
BGW- ball head anchor (KKA) 239
BGW- ball head anchor cranked ((for sandwich panels) 241
BGW- double ball head anchor (DKKA) / BGW- double head anchor (DKA) / Magazine tube anchor 242
BGW- recess former (ASK) for DKKA 2.5 t 243
BGW- Ball-head T-bar anchor, ball-head T-bar anchor, cranked 245
BGW- ball head plate anchor (KKP) 247
BGW- ball head eye anchor 248
BGW- ball head anchor (KKA) - Locking washers made of fiber-reinforced concrete, concrete casting molds 249
BGW- ball head anchor (KKA) - Accessories 250
BGW- lifting shackle (KKA lifter) 260
BGW- Test gauge for lifting shackles 260
BGW- sling rope and BGW- sling hanger 261
BGW- swivel coupling and transport coupling 262
BGW- prefabricated timber anchor system (HFA) - Drive-in anchor - Drive-in nut 264
BGW- timber transport screw system (KKAH) 266
BGW- scaffolding shoes/scaffolding sleeves (for elevator construction) 267
BGW- magnets for holding scaffolding sleeves on the steel formwork 268
BGW- installation parts for elevator builders 269
BGW- Anti-unscrewing device for rope loops 271

Fastening technology 272

BGW- Concrete screw magnet – Concrete thread 273
BGW- Adapter with lifting eye 274
BGW- Intermediate plate, support plate for mounting inclined supports 274
BGW- Glass fiber reinforced concrete sealing plugs 275
BGW- Data recessed bodies, Retaining discs (DASK) with marking for Threaded anchors 276
BGW- Nailing plates - retaining washers 277
BGW- washer/& screws made of Stainless steel 279
BGW- retaining plugs for empty conduits 281
BGW- retaining plugs, tear-off plugs 282
BGW- protective plugs 282
BGW- Sealing plugs (VS) 283
BGW- mold / casting template for sealing discs 285
BGW- sealing discs/plugs made of glass fiber reinforced concrete 288
BGW- Wire transport anchor (DRA) for installation in concrete - Cover plates 289
BGW- metal support centering devices 292
BGW- potential connection / Earthing connection 293

BGW- coupling chamber - system with detachable and permanent connections 294
BGW- stud link anchors/crank retaining anchors for aligning, setting up and fixing walls 296
BGW- concrete screw for fastening assembly supports 297
BGW- flat steel anchors (FSA) 298
BGW- Fixing sockets (ÖSM) 301
BGW- Reinforcement connection ss 309
BGW- collar anchor (MA) for sandwich panels 318
BGW- flat anchor (FLA) 319
BGW- sandwich panel support anchor (SPA) 321
BGW- composite pins (VN) 323
BGW- Pin (AN) 324
BGW- composite bracket (VB) 325
BGW- TU/JTB rail Anchor plate profile 326
BGW- anchor channels (AS)-28/15 cold-rolled 327
BGW- anchor channels (AS)-38/17 cold-rolled 328
BGW- anchor channels (AS)-40/25 cold rolled 329
BGW- anchor channels (AS)-49/30, -50/30 cold-rolled 330
BGW- anchor channels (AS)-53/34, -54/33 cold rolled 330
BGW- anchor channels (AS)-72/48, -72/49 cold-rolled 332
BGW- anchor channels (AS)-40/22 hot rolled 333
BGW- anchor channels (AS)-50/30 hot rolled 334
BGW- anchor channels (AS)-52/34,-53/34 hot rolled 335
BGW- anchor channels (AS)-55/42 hot rolled 336
BGW- anchor channels (AS)-72/48 hot rolled 337
BGW- anchor channels (AS)-29/20 hot rolled, serrated 338
BGW- anchor channels (AS)-38/23 hot rolled, serrated 339
BGW- anchor channels (AS)-64/44 hot-rolled, serrated 341
BGW- anchor channels (AS)-41/22 cold-rolled, serrated 342
BGW- wall connection rail (MAS) 343
BGW- hammer-head screws (HKS) with nut 344
BGW- toothed anchor (ZA) / connecting lugs 348
BGW- VS connecting loop 351
BGW- U-bolt lock (metallic, permanent connection of components) 353
BGW- Anchor lock (metallic, permanent connection of components) 358
BGW- installation package or “all in one bucket” 362
BGW- installation brackets (MW) & installation packages 363
BGW- Cord nail, cord iron, ground nail 367
BGW- chimney bracket (chimney anchor) 368

Instructions and information 369

Installation instructions for BGW – anchors with data head 370
Additional reinforcement for transverse and diagonal tension 371
Installation instructions for BGW – cross-hole sleeves and Transport anchors 374
Installation instructions for DWL, DWK 375
Installation instructions for bar, ribbed base and screw anchors 376
Installation instructions for BGW – flat steel anchors 377
Installation and use instructions for BGW – lifting shackles (KKA lifter) 380

Installation instructions for BGW – ball head anchors (KKA) 382
BGW – RKS ring clutch system instruction manual 384
Installation instructions for sealing washers/bolts/plates /&- Concrete sealing washers 386
Operating instructions for the BGW – swivel and transport coupling 387
Terms of sale and delivery 388

Diese Bezeichnungen bitte bei Anfragen und Bestellungen mit angeben, auch wenn die Artikelnummer eine andere ist.

Werkstoffe Ausführung:

Code =	Stahl blank
CodeC =	Stahl galvanisch verzinkt
Codefv =	Stahl feuerverzinkt
CodeE =	Edelstahl V2A AISI 304
CodeEE =	Edelstahl V4A AISI 316

Farbliche Kennzeichnung von Gewindetransportankern – BGW-Datenring & BGW-Datenclip:

Gewinde M/Rd	Farbe
12	Pastellorange
14	Reinweiß
16	Feuerrot
18	Hellrosa
20	Weißgrün
24	Anthrazitgrau
30	Smaragdgrün
36	Lichtblau
42	Silbergrau
52	Schwefelgelb





Approvals, tests, and installation instructions can be found here:

https://www.bgw-bohr.de/qualitaet.htm

Approval of sleeve anchors & flat anchors:
https://www.bgw-bohr.de/pdf/Zulassung_Manschettenanker_Flachanker_2019.pdf

Approval for BGW – sandwich panel anchors:
https://www.bgw-bohr.de/pdf/Zulassung-Sandwichplattenanker.pdf

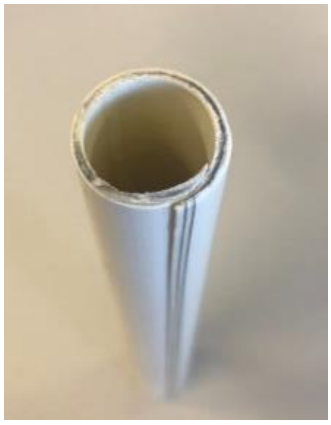
ETA approval for anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf



BGW-
Magnets and formwork

bohr GmbH
GERMAN QUALITY
SINCE 1986

BGW- wall spacers / frame formwork - slotted pipe system



– Reusable, frame formwork for In-situ concrete/spreader

Clean concrete, no thermal bridges, no water barriers required
Reusable formwork spacer for Frame formwork, solid walls, Double walls, spreaders, formwork spacers, formwork technology, etc.
Contributes to avoiding Plastic in concrete.

No openings through the solid wall, Double wall with plastic spacers in the component.
No formwork residues from plastic or foreign concrete in the solid in-situ concrete wall; a concrete wall is completely one piece.
No continuous thermal bridges due to disruptive Spacers
No water barriers, capillaries due to water penetration.
No reworking is necessary due to marks left by spacers in the concrete wall.

This is made possible by the newly developed BGW slotted pipe system, with cones, DW15 anchor rods, sealing plugs, adhesive, mortar, magnetic holders, etc.
The main purpose of this system is not to provide reusable wall spacers, which is a cost-effective side effect, but to avoid interference, such as Plastics, in the concrete part. However, it is always a source of cost savings if such a wall spacer can be used more often.

It has always been a problem to connect the two sides of the vertical in-situ concrete formwork in such a way that the liquid concrete can be poured into the formwork and these two formwork sides always remain parallel to each other.

We have a similar problem in the production of double walls. The thickness of the double wall must be exactly right, so the spacer must be stable. It must be able to withstand the full pressure, vibration pressure, when the first shell is immersed in the second concrete shell.
It was therefore agreed that plastic spacers had to be installed at short intervals in such solid in-situ concrete walls and double walls.
These plastic spacers in the concrete part were inseparably bonded to the concrete part – the concrete part is thus contaminated with plastic.

It was also the case that water could penetrate between the concrete and the non-concrete material in the concrete, i.e., the Plastic.
This water ingress was prevented over time by extending the distance between the spacers and the concrete by attaching so-called water barriers to them.



BGW- wall spacers / frame formwork - slotted pipe system

– Reusable, frame formwork for In-situ concrete/spreader

How does this work if the spacers, the slotted tube, can be removed from the component once the concrete has hardened?

When the anchor rod is pushed into the slotted tube, the slotted tube expands. The expanded slotted tube immediately returns to its original size when the anchor rod is pulled out of the slotted tube. The solution is to install spacers that hold securely against the concrete pressure when filling the Formwork and can then be removed effortlessly and completely from the concrete component with a jerk once the concrete has hardened. These spacers—a round, longitudinally slotted, overlapping slotted tube manufactured for our DW15 anchor rod—meet these technical and environmental protection requirements.

How are the spacers installed?

The BGW anchor rod with DW 15 thread, coated with sufficient release agent, is pushed into the BGW slotted tube before concreting, protected from adhering concrete by sufficient release agent, whereby the diameter of the slotted tube increases slightly.

Cones can also be inserted or attached on both sides. The anchor rod, protected by the slotted tube and featuring a DW 15 thread, can now be installed in the formwork as a compression or tension rod or as a spacer. After concreting, when the concrete has hardened and the Formwork has been removed, the DW 15 anchor rod is also pulled out of the slotted tube. As soon as the anchor rod has been pulled out of the slotted tube 1152, the diameter of the slotted tube decreases and the slotted tube can also be removed from the concrete structure.

Here is a short video on this:
https://www.bgw-bohr.de/video/2021_07_05-Versuch_Schlitzrohr.MOV

The wall openings are sealed with assembly foam and fiberglass concrete cones. If cones are attached on both sides, 15 mm is deducted from the wall thickness and the length of the slot pipe for each cone. The slotted pipe can also be supplied in bars up to approx. 6 m in length and can be sa wn or cut to the required length with a pipe cutter. It is a great advantage that you can cut the lengths of wall spacers you need yourself from a 6 m bar.

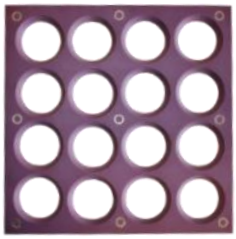
BGW- Slotted tube cone

Item no.	D1 Ø mm	D2 Ø mm	Height mm	Weight kg / 100 pieces	Price € / piece
Slrk	29,5	21,5	15	0,300	0,25



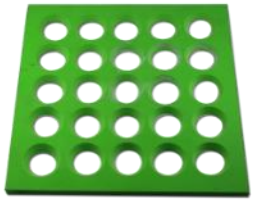
BGW- Sealing plugs / sealing cones for the cone

Item no.	D1 Ø mm	D2 Ø mm	Height mm	Weight kg / 100 pieces	Price € / piece
Slrkk	28,5	20,5	14	1,2 kg	2,15



BGW- Die/casting template for closure plug Frame formwork Slotted pipe

Item no.	D1 Ø mm	D2 Ø mm	Height mm	Nests/piece	Price € / piece
Sirkkf	28,5	20,5	14	30	160
SikkfM (mit Magnet)	28,5	20,5	14	30	260



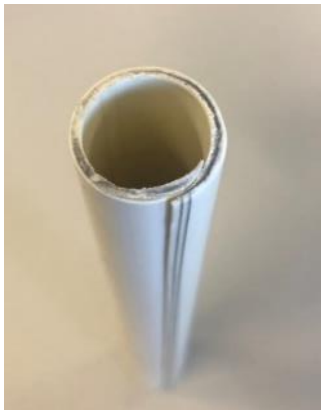
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- wall spacers / frame formwork - slotted pipe system

– Reusable, frame formwork for In-situ concrete/spreader

BGW- Slotted pipe

Item no.	Ø outside mm	Length mm	Weight kg/m	Price €/piece
Slr100	20	70	0,011	On request
Slr150	20	120	0,019	
Slr180	20	150	0,023	
Slr200	20	170	0,026	
Slr240	20	210	0,033	
Slr250	20	220	0,034	
Slr280	20	250	0,039	
Slr300	20	270	0,042	
Slr320	20	290	0,045	
Slr340	20	310	0,048	
Slr360	20	330	0,051	
Slr400	20	370	0,057	
Slr6000	20	6000	0,930	



BGW- Anchor rod

Item no.	Length mm	Weight kg / m	Price € / piece bare	Price € / piece Galvanised
DW15100	400	0,584	On request	On request
DW15150	450	0,657		
DW15180	480	0,701		
DW15200	500	0,730		
DW15240	540	0,788		
DW15250	550	0,803		
DW15280	580	0,847		
DW15300	600	0,876		
DW15320	620	0,905		
DW15340	640	0,934		
DW15360	660	0,964		
DW15400	700	1,022		
DW15950	1250	1,825		
DW153000	3000	4,380		
DW156000	6300	9,198		



BGW- Anchor rod nut/swivel nut/flange nut/Dywidag

Item no.	Ø outside mm	For rod Ø mm	Height mm	Belting distance mm	Weight kg/piece	PU piece	Price €/piece
07024	70	15	54	35	0,43	1	6,20
	95	15	54	35	0,66	1	7,40
070023	100	15	54	50	0,70	1	8,10
	110	15	54	50	0,85	1	9,70
	130	15	54	50	1,16	1	21,00





BGW- hammer weight, slide hammer weight

The tool for knocking the anchor rod out of the slot pipe: The hammer weight is pushed over the protruding DW15 bar, and a DW15 nut is screwed onto the end of the DW15 bar. The hammer is now ready for use. By striking the screwed-on nut quickly and forcefully with the weight, the DW15 rod is knocked out of the slot pipe and the fresh, hardened concrete and removed.



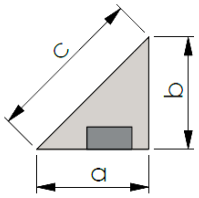
BGW- triangular steel strips (DKLS) , magnetic

BGW- Three edge borders are available in steel and polyurethane. The magnetic Adhesive force can be adjusted depending on the intended use. The maximum length of the borders is approx. 3 m. See table for built-in Adhesive force per meter. Borders with other Adhesive forces and dimensions are available on request.

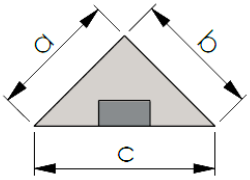
BGW- Three edge borders made of steel, magnetic with continuous neodymium magnetic strip

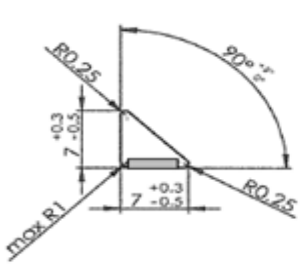
Item no.	Type	a mm	b mm	c mm	Adhesive force kg/m	Length approx. mm	Weight kg/m	Price €/m
54007S-A	A	7	7	10	52	3000	0,19	41,00
54007S-B	B	7	7	10	52	3000	0,19	41,00
54010S-A	A	10	10	14	64	3000	0,39	42,00
54010S-B	B	10	10	14	64	3000	0,39	42,00
54015S-A	A	15	15	21	71	3000	0,88	50,00
54015S-B	B	15	15	21	71	3000	0,88	50,00
54020S-A	A	20	20	28	88	3000	1,56	57,00
54020S-B	B	20	20	28	88	3000	1,56	57,00
54025S-A	A	25	25	35	95	3000	2,40	63,00
54025S-B	B	25	25	35	95	3000	2,40	63,00
54030S-A	A	30	30	42	142	3000	3,50	91,00
54030S-B	B	30	30	42	142	3000	3,50	91,00
54040S-A	A	35	35	50	142	3000	4,90	135,00
54040S-B	B	35	35	50	142	3000	4,90	135,00

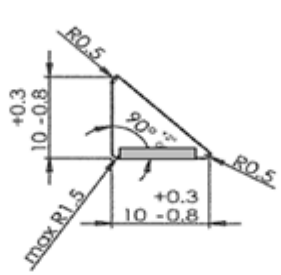
Type A

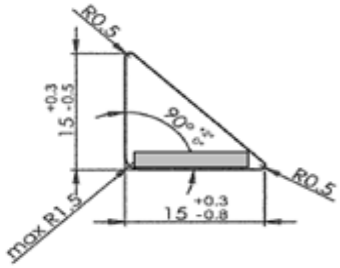


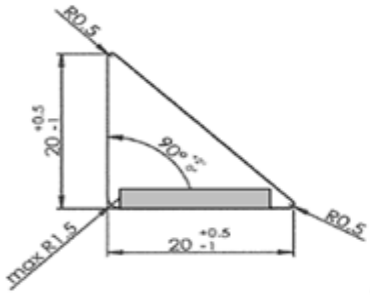
Type B

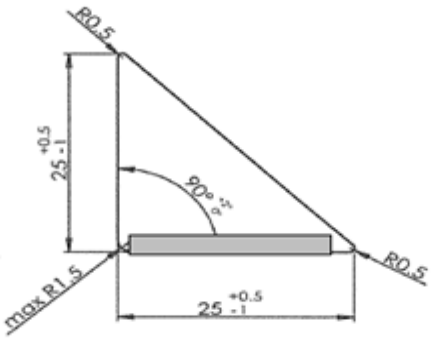


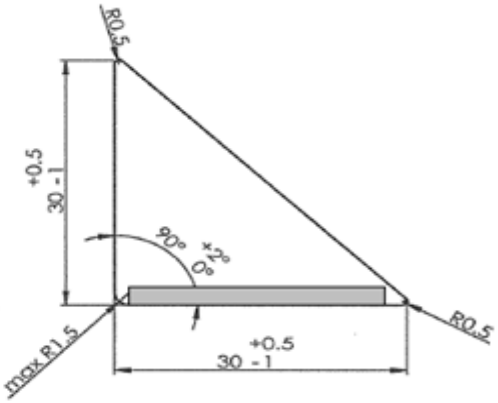








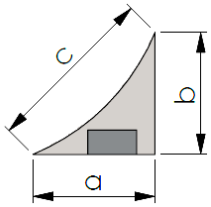




BGW- triangular steel strips (DKLS), hollow groove, magnetic

Three edge border made of steel , hollow fillet, magnetic with continuous neodymium magnetic strip

Item no.	a mm	b mm	c mm	Adhesive force kg/m	Length approx. mm	Weight kg/m	Price €/m
54007S-H	7	7	10	52	3000	0,16	67,00
54010S-H	10	10	14	64	3000	0,33	67,00
54015S-H	15	15	21	71	3000	0,73	87,00
54020S-H	20	20	28	88	3000	1,30	87,00
54025S-H	25	25	35	95	3000	2,00	95,00
54030S-H	30	30	42	142	3000	2,90	125,00

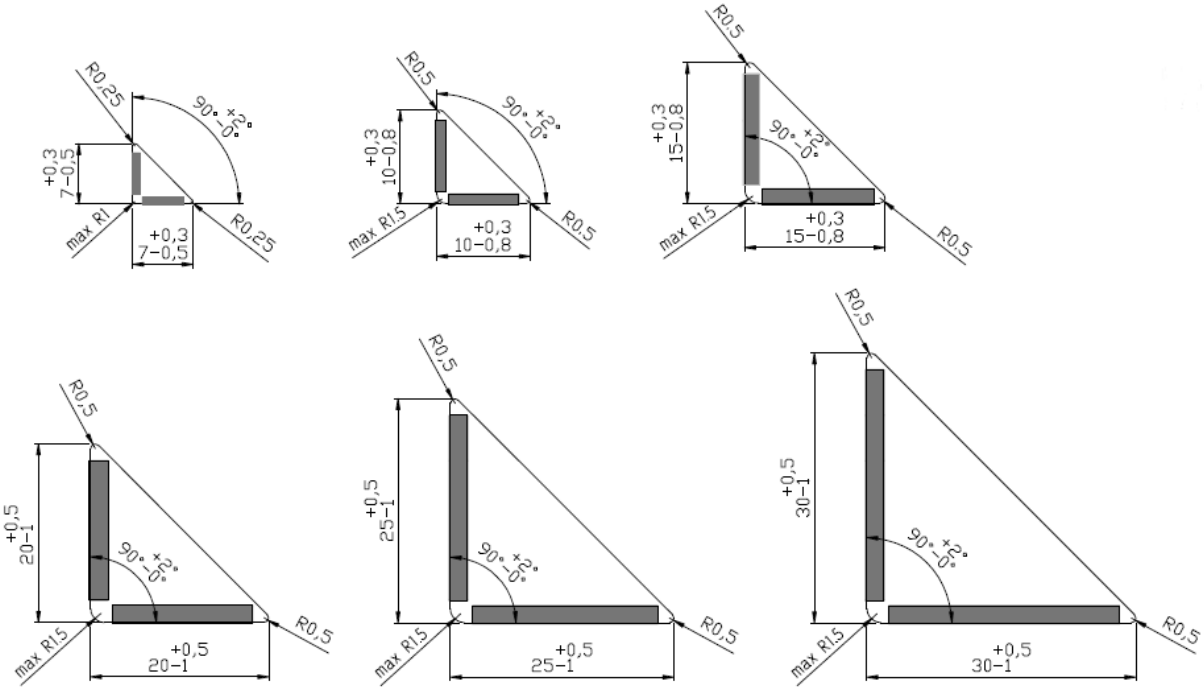


BGW- triangular strips, steel (DKLS), magnetic on both sides

BGW- Three edge borders are available in S235 steel. The magnetic adhesive force can be adjusted depending on the intended use. The maximum length of the borders is approx. 3 m. See table for built-in adhesive force per meter. Borders with other adhesive forces and dimensions are available on request.

BGW- Three edge borders made of steel, with two sides magnetic with continuous neodymium magnetic strip on both sides 100%

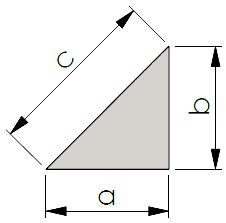
Item no.	a mm	b mm	c mm	Adhesive force on each side of the leg kg/m	Length approx. mm	Weight kg/m	Price €/m
54007S-AB	7	7	10	52	3000	0,19	69,70
54010S-AB	10	10	14	64	3000	0,39	71,40
54015S-AB	15	15	21	71	3000	0,88	85,00
54020S-AB	20	20	28	88	3000	1,56	96,90
54025S-AB	25	25	35	95	3000	2,40	107,10
54030S-AB	30	30	42	142	3000	3,50	154,70
54040S-AB	35	35	50	142	3000	4,90	229,50



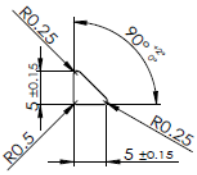
BGW- triangular strips, steel (DKLS)

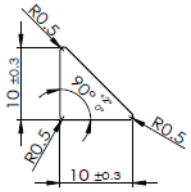
Three edge border made of steel

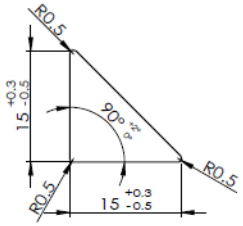
Item no.	a mm	b mm	c mm	Length approx. mm	Weight kg/m	Price €/m
50091	5	5	7	3000	0,098	2,72
5009	7	7	10	3000	0,191	2,72
5010	10	10	14	3000	0,390	4,32
5012	15	15	21	3000	0,877	10,40
5013	20	20	28	3000	1,560	13,60
5016	25	25	35	3000	2,437	22,80
5015	30	30	42	3000	3,510	32,40
5017	35	35	50	3000	4,900	75,00

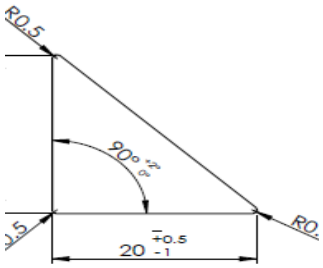


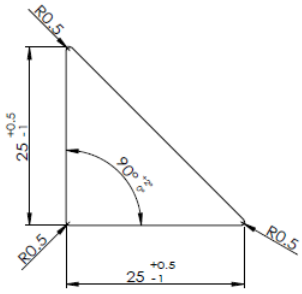
Other dimensions available!

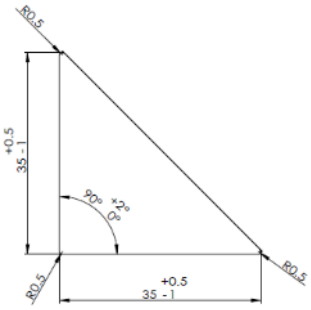










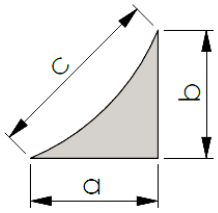






BGW- triangular strips, steel (DKLS), hollow groove

Item no.	a mm	b mm	c mm	Length approx. mm	Weight kg/m	Price €/m
54007S-HU	7	7	10	2800	0,140	16,54
54010S-HU	10	10	14	2800	0,285	18,62
54015S-HU	15	15	21	2800	0,670	26,52
54020S-HU	20	20	28	2800	1,115	30,68
54025S-HU	25	25	35	2800	2,000	42,64
54030S-HU	30	30	42	2800	2,800	55,12

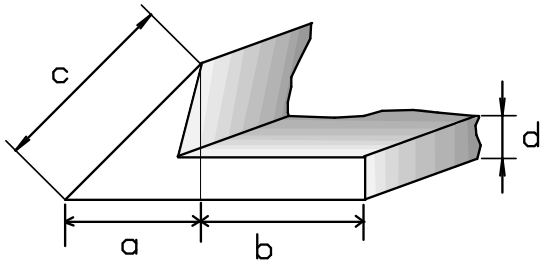


Other dimensions available!

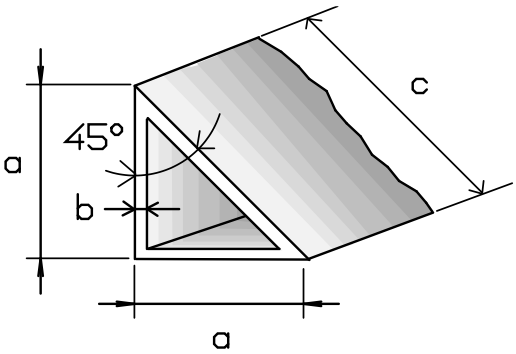
BGW- polyethylene triangular strips in "pink"

Three edge borders with nail flag made of reinforced polyethylene are, in contrast to already available products:

- free of heavy metals
- halogen-free
- can be used without any problems together with formwork boards
  To be disposed of or thermally recycled in incineration plants
  for thermal recycling
- Flexible and bendable
- High impact resistance even at low temperatures
- Can be nailed quickly and easily with an air nailer without tearing
- Quick and easy to nail with an air nailer



Item no.	Type						
	a	b	c	d	Length	PU	Price
	mm	mm	mm	mm	mm	m	€/m
5000	7	15	10	3	2500	300	1,30
5004	10	15	14	3	2500	250	1,35
5006	10	20	14	3	2500	250	1,40
5008	15	17	19	3	2500	150	1,50



Item no.	Type				Price
	a	b	Length	PU	
	mm	mm	mm	m	€/m
5020	10	1,0	2500	500	1,15
5022	15	1,5	2500	500	1,30

Three edge border as described above, but without nail flag



Advantage of polyethylene profiles over PVC profiles in the thermal recycling of wooden formwork

When PVC (polyvinyl chloride) is burned, the molecular component chlorine forms hydrogen chloride (HCl), which reacts with moisture in the air to form hydrochloric acid. In addition to the associated environmental impact, hydrochloric acid causes metal materials to corrode much more quickly. When PE (polyethylene) is burned, however, no hydrochloric acid can form because the polymer does not contain any chlorine atoms.

The legislator has taken appropriate account of protection against environmental hazards, e.g. from air pollution, in the Federal Immission Control Act (BImSchG) and the associated regulations (BImSchV).
The first ordinance implementing the Federal Immission Control Act (1. BImSchV) is the Ordinance on Small Combustion Plants. Small combustion plants are described as, for example, combustion plants for the use of wood with a thermal input of less than 1 megawatt. These small combustion plants do not require a permit under Section 4 of the Federal Immission Control Act. However, the fuels permitted in small combustion plants are regulated in the 1st BImSchV (Section 3 (1)).
In principle, wood may only be used as fuel in small combustion plants if it is untreated (Sections 5, 6). For the fuels consisting primarily of wood referred to in Section 3(1) Nos. 6 and 7, "painted, varnished, or coated wood ... and plywood, chipboard, fiberboard, and glued wood, provided that no wood preservatives have been applied or are contained therein and the coatings do not consist of halogenated organic compounds," may be thermally recycled (Section 6(2) 1. BImSchV).
The above list emphasizes that coatings must not consist of halogenated organic compounds. Halogens include fluorine, chlorine, and bromine. PVC (polyvinyl chloride) falls into the group of halogenated organic compounds, but PE (polyethylene) does not. Stop profile for 21 mm wood formwork with three edge border 10/15
Support side of the profile slightly curved on the triangular side.
Length 2.50 m Plastic.





BGW bohr GmbH GERMAN QUALITY SINCE 1986

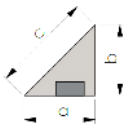
BGW- polyurethane triangular strips (DKLK), magnetic

With steel core molded lengthwise into the plastic to stabilize the length of the three edge border.

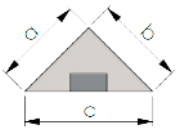
Three edge border made of polyurethane, magnetic with continuous neodymium magnetic track

Item no.	Type	a mm	b mm	c mm	Length mm	Adhesive force kg/m	Weight kg/m	Price €/m
54007K-A	A	7	7	10	2000	12	0,070	42,00
54007K-B	B	7	7	10	2000	12	0,070	42,00
54010K-A	A	10	10	14	2800	12	0,130	42,00
54010K-B	B	10	10	14	2800	12	0,130	42,00
54015K-A	A	15	15	21	2700	12	0,290	50,00
54015K-B	B	15	15	21	2800	12	0,290	50,00
54020K-A	A	20	20	28	3000	38	0,510	57,00
54020K-B	B	20	20	28	3000	38	0,510	57,00
54025K-A	A	25	25	35	2800	38	0,800	63,00
54025K-B	B	25	25	35	2800	38	0,800	63,00
54030K-A	A	30	30	42	2800	38	0,815	91,00
54030K-B	B	30	30	42	2800	38	0,815	91,00
54024K-A	A	35	35	50	3000	38	0,833	
54024K-A2	A	35	35	50	3000	76	0,833	

Type A



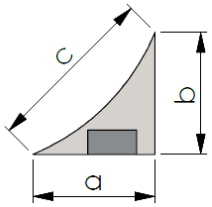
Type B





Polyurethane triangular strip (DKLK), hollow groove, magnetic with continuous neodymium magnetic track

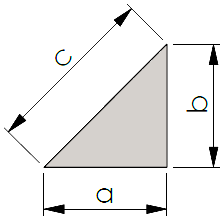
Item no.	a mm	b mm	c mm	Adhesive force kg/m	Weight kg/m	Price €/m
54007K-H	7	7	10	12	0,070	67,00
54010K-H	10	10	14	12	0,120	67,00
54015K-H	15	15	21	12	0,270	87,00
54020K-H	20	20	28	38	0,450	87,00
54025K-H	25	25	35	38	0,700	95,00
54030K-H	30	30	42	38	1,000	125,00



Polyurethane triangular strip (DKLK)

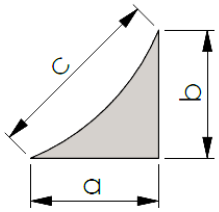
Item no.	a mm	b mm	c mm	Length mm	Weight kg/m	Price €/m
54007K	7	7	10	2000	0,030	2,72
54010K	10	10	14	2800	0,063	4,32
54015K	15	15	21	2800	0,141	10,40
54020K	20	20	28	3000	0,252	13,60
54025K	25	25	35	2800	0,394	22,80
54030K	30	30	42	2800	0,567	32,40

Other dimensions available!



Polyurethane triangular strip (DKLK), hollow groove

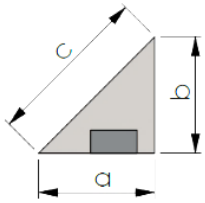
Item no.	a mm	b mm	c mm	Weight kg/m	Price €/m
54007K-HU	7	7	10	0,025	16,54
54010K-HU	10	10	14	0,050	18,62
54015K-HU	15	15	21	0,110	26,52
54020K-HU	20	20	28	0,180	30,68
54025K-HU	25	25	35	0,285	42,64
54030K-HU	30	30	42	0,425	55,12



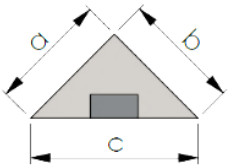
BGW- Flexi-N triangular strip, magnetic

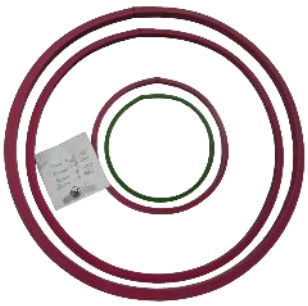
The plastic used in BGW three edge borders is made from a special abrasion-resistant, non-water-absorbent polyurethane POU developed for precast concrete plants. This POU consists of polyol and isocyanate. The three edge borders are cast in the appropriate molds. During casting, flexible, prefabricated strips of plastic-bonded neodymium are inserted into these molds. These neodymium strips form a permanent bond with the POU during the casting of the three edge borders. This manufacturing process gives the profiles (three edge borders) a high Adhesive force while still being very flexible. The length of the three edge borders is 2 m to approx. 3 m.

Type A



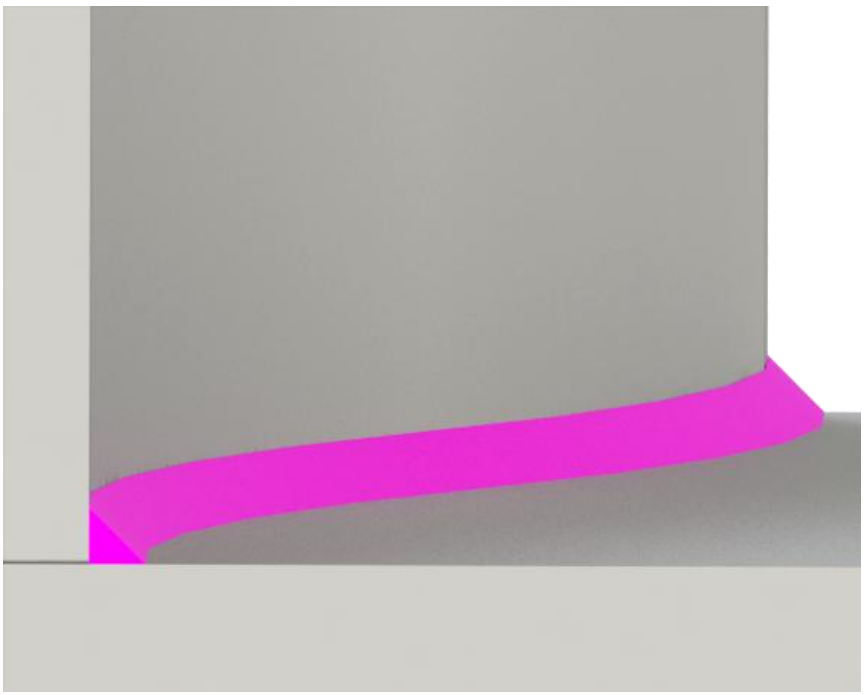
Type B







Item no.	Type	a mm	b mm	c mm	Length mm	Bending Ø	Adhesive force kg/m	Weight kg/m	Price $/m
54007K-AF	A	7	7	10	2000	160	16	0,070	42,00
54007K-BF	B	7	7	10	2000	160	16	0,070	42,00
54010K-AF	A	10	10	14	2800	200	29	0,128	42,00
54010K-BF	B	10	10	14	2800	200	29	0,128	42,00
54015K-AF	A	15	15	21	2700	380	41	0,288	50,00
54015K-BF	B	15	15	21	2800	380	41	0,288	50,00
54020K-AF	A	20	20	28	3000	440	57	0,514	57,00
54020K-BF	B	20	20	28	3000	440	57	0,514	57,00
54025K-AF	A	25	25	35	2800		81	0,800	63,00
54025K-BF	B	25	25	35	2800		81	0,800	63,00
54030K-AF	A	30	30	42	2800		97	1,156	91,00
54030K-BF	B	30	30	42	2800		97	1,156	91,00





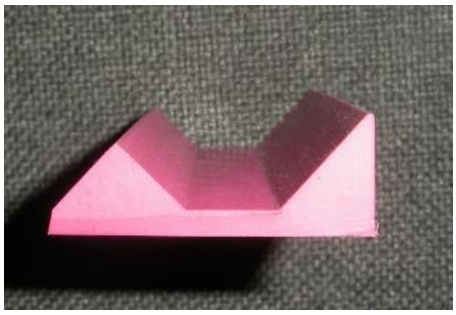
BGW- water stop profile / drip-off profile / water nose profile, magnetic)

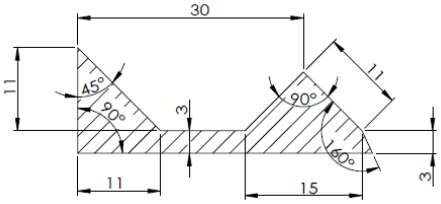
Magnetic profile for insertion into the Formwork
It is used for chamfering edges and Formwork for the water drip edge.
For insertion into steel formwork before concreting balcony slabs, cover plates, window sills, steps, for the roof overhang of the underside of the parapet, in concrete structures such as transformer stations, garages, etc.
The profile is magnetic on the underside of the formwork side. The profile can be cut to any length or mitered, for example, using an angle grinder.
The water stop profile is placed around the edge formwork to seal it and then adheres magnetically to the steel formwork. Before concreting, the water stop profile must be protected several times with a release agent to prevent the concrete from adhering to it.

Dimensions:

Item no.	Width mm	Bevel mm	Water lip mm	Thickness mm	Magnetic tracks	Material profile	Adhesive force per m	Magnet material	Max. length mm	Price/ meter €
540520	20	7x7	7x7	2	2	Pou	80	N42	2800	90
540525	25	10x10	10x10	3	2	Pou	80	N42	2800	90
540537	37	15x15	15x15	3	2	Pou	80	N42	2800	90
540530	30	15x15	15x15	3	2	Pou	80	N42	2800	90



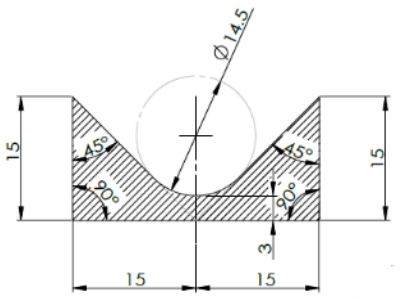




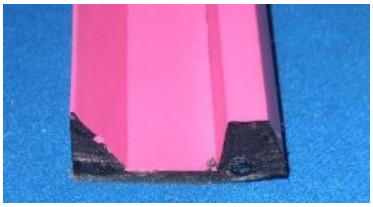
Item no.	Width mm	Bevel mm	Thickness mm	Magnetic tracks	Material profile	Adhesive force per m	Magnet material	Max. length mm	Price/ meter €
540555	30	15x15	3	2	Pou	80	N42	2800	90

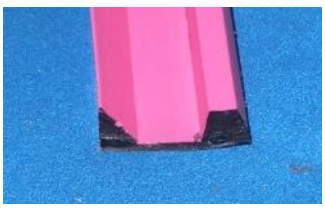


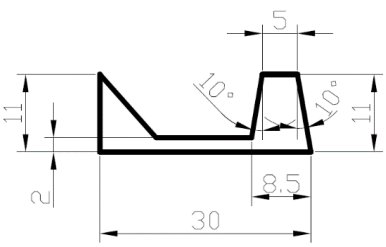




Item no.	Width mm	Bevel mm	Thickness mm	Magnet	Material profile	Adhesive force per m	Magnet material	Max. length mm	Price/ meter
540556	30	11	2	Rubber	Pou	80	N42	2800	90







BGW- trapezoidal strips / BGW- dummy joint strip / BGW- grouting groove system for architectural concrete

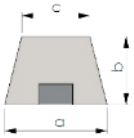
BGW- Trapezoidal strips are available in steel (S) and polyurethane (K).

Note:

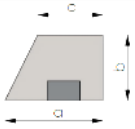
All corners are sharp, so it is recommended to wear cut-resistant gloves when handling steel trapezoidal strips (S). Strong neodymium magnets are built into the mounting side. Due to the strong adhesive force, there is a risk that our trapezoidal strips may suddenly stick to steel or to each other if handled carelessly. If your fingers are in between, they could be crushed.

The magnetic adhesive force can be adjusted depending on the intended use. The maximum length of the strips is approx. 5 m. See our table for the recommended adhesive force per meter. Trapezoidal strips with other adhesive forces and dimensions are available on request.

Type A: isosceles



Type B: right-angled





The BGW HM12 grouting groove system is made of special polyurethane (K). A magnet system is cast into most formwork.
Grouting grooves are often used in precast concrete construction for wall elements. Unlike in timber construction, where tongue and groove joints are the norm, in concrete construction the grooves are placed groove to groove.
Once the walls have been joined together, these grouting grooves are filled with concrete to stabilize the building against transverse shear forces.
To ensure that the formwork is light and low-warp even with larger cross-sections, lightweight hollow bodies are cast into the polyurethane profile in addition to the magnetic systems. With our production technology, we can manufacture flexible, rigid, and stiff formwork profiles in almost any geometry, not only trapezoidal profiles but also angular edge formwork. This polyurethane formwork can be cut at any point. Our polyurethane formwork remains dimensionally stable even if it falls on its edges.

Advantages at a glance:

- Long service life
- Magnetic underside, also magnetic on multiple sides
- PU plastic – does not swell
- Smooth, low-adhesion surface
- Very low weight
- low maintenance
- Easy to handle
- Torsion-resistant – 100% straight
- Space-saving storage



Application instructions

It is recommended to spray new parts twice with release agent to prevent concrete from sticking. Then position the grout channel profile in the desired location and set in concrete. After removing the formwork from the precast element, re-form, spray the profile and Formwork with release agent, etc.
It is essential to ensure that the formwork systems are not placed on top of each other with the adhesive side facing down. If this does happen, the systems may only be pushed apart sideways (do not pull them apart, as this will tear the magnets out of the Plastic)! We cannot accept any liability for improper handling!

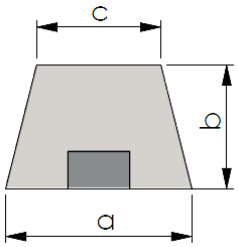


BGW bohr GmbH GERMAN QUALITY SINCE 1986

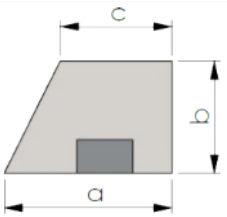
BGW- trapezoidal strips / BGW- dummy joint strip / BGW- grouting groove system for architectural concrete

Trapezoidal strip made of plastic (K), magnetic with a continuous neodymium magnetic track /non-magnetic

Item no. Magnetic	Item no. non-magnetic	Type	a mm	b mm	c mm	Adhesive force kg/m	Weight kg/m	Price €/m Magnetic	Price €/m non-magnetic
5414750318K	5424750318K		4,75	3	18	30	0,268		
541100806K	542100806K		10	8	6	12	0,077		
541140713K-A	542140713K-A	A	14	07	13	12	0,113		
541151010K-A	542151510K-A	A	15	10	10	12	0,150	61	
541151010K-B	542151510K-B	B	15	10	10	12	0,150	61	
541161013K-A	542161013K-A	A	16	10	13	12	0,174		
541170716K-A	542170716K-A	A	17	07	16	12	0,139		
541201010K-A	542201010K-A	A	20	10	10	38	0,180	68	
541201010K-B	542201010K-B	B	20	10	10	38	0,180	68	
541201015K-A	542201015K-A	A	20	10	15	38	0,210		
541201510K-A	542201510K-A	A	20	15	10	38	0,270	72	
541201510K-B	542201510K-B	B	20	15	10	38	0,270	72	
541201515K-A	542201515K-A	A	20	15	15	38	0,315		
541262020K	542262020K		26	20	20	38	0,552		
541301010K-A	542301010K-A	A	30	10	10	38	0,240		
541302010K-A	542302010K-A	A	30	20	10	38	0,480	78	
541302010K-B	542302010K-B	B	30	20	10	38	0,480	78	
541302020K-A	542302020K-A	A	30	20	20	38	0,600	81	
541302020K-B	542302020K-B	B	30	20	20	38	0,600	81	
541302530K-A	542303025K-A	A	30	30	25	38	0,990		
541303030K-A	542303030K-A	A	30	30	30	38	1,080		
541312520K	542312520K		31	25	20	38	0,765		
541351015K-A	542351015K-A	A	35	10	15	58	0,300		
541351510K-A	542351510K-A	A	35	15	10	58	0,405		
541401020K-A	542401020K-A	A	40	10	20	81	0,360		
541401030K-A	542401030K-A	A	40	10	30	81	0,420		
541401530K-A	542401530K-A	A	40	15	30	81	0,630		
541402010K	542402010K		40	20	10	81	0,600		
541402020K-A	542402020K-A	A	40	20	20	81	0,720	87	
541402020K-B	542402020K-B	B	40	20	20	81	0,720	87	
541402030K-A	542402030K-A	A	40	20	30	81	0,840	93	
541402030K-B	542402030K-B	B	40	20	30	81	0,840	93	
541403020K	542403020K		40	30	20	81	1,080		
541403030K-A	542403030K-A	A	40	30	30	81	1,260	98	
541403030K-B	542403030K-B	B	40	30	30	81	1,260	98	
541403525K	542403525K		40	35	25	142	8,934		
541441570K	542441570K		44	15	70	81	1,026		
541451515K-A	542451515K-A	A	45	15	15	81	0,540		
541452525K	542452525K		45	25	25	150	6,872		
541474545K-B	542474545K-B	B	47	45	45	91	2,484		
54484825K-A	542484825K-A	A	48	48	25	91	2,102		
542501030K	541501030K		50	10	30	91	0,480		
541502010K-B	542502010K-B	B	50	20	10	91	0,720		
541502030K-A	542502030K-A	A	50	20	30	91	0,960		
541502040K-A	542502040K-A	A	50	20	40	91	1,080		
541502530K-A	542502530K-A	A	50	25	30	91	1,200		
541503040K-A	542503040K-A	A	50	30	40	91	1,620		
541504030K	542504030K		50	40	30	150	12,566		
541701550K-A	542701550K-A	A	70	15	50	120	1,080		
541704025K	542704025K		70	40	25	165	14,923		
541753040K	542753040K		75	30	40	165	13,548		
541756060K-A	542756060K-A	A	75	60	60	120	4,860		
541757535K	542757535K		75	75	35	165	32,398		
541801070K-B	542803060K-B	B	80	10	70	120	0,900		
541803060K-A	542803060K-A	A	80	30	60	120	2,520		
541807530K	542807530K		80	75	30	165	32,398		
541907050K	542907050K		90	70	50	165	38,485		
541908050K	542908050K		90	80	50	165	4,398		
5411006045K	5421006045K		100	60	45	165	3,416		
54111011030K	54211011030K		110	110	30	165	4,000		
5411207040K	5421207040K		120	70	40	180	4,398		
5411209050K	5421209050K		120	90	50	180	6,008		
5411308040K	5421308040K		130	80	40	180	5,341		
54113011030K	54213011030K		130	110	30	180	6,912		
54114013040K	54214013040K		140	130	40	180	9,189		
54114013070K	54214013070K		140	130	70	180	10,721		
54116013050K	54216013050K		160	130	50	200	10,721		
54117016040K	54217016040K		170	160	40	200	13,195		
54117016070K	54217016070K		170	160	70	200	15,080		



Type A



Type B

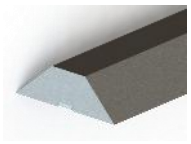
K = Plastic / Polyurethane,
S = Steel

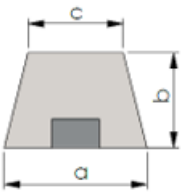
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- trapezoidal strips / BGW- dummy joint strip / BGW- grouting groove system for architectural concrete

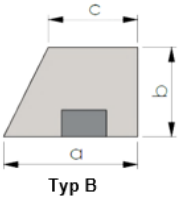
Trapezoidal strip made of steel (S), magnetic with a continuous neodymium magnetic track/non-magnetic

Item no. Magnetic	Item no. non-magnetic	Type	a mm	b mm	c mm	Adhesive force kg/m	Weight kg/m	Price €/m Magnetic	Price €/m non-magnetic
541071005S-A	542071005S-A	A	7	10	5	50	0,471		
541071005S-A	542071005S-B	B	7	10	5	50	0,471		
541071006S-A	542071006S-A	A	7	10	6	50	0,511		
541081008S	542081008S		8	10	8	50	0,628		
541101005S-B	542101005S-B	B	10	10	5	71	0,589		
541101006S-A	542101006S-A	A	10	10	6	71	0,628		
541102006S-A	542102006S-A	A	10	20	06	71	1,257		
541141010S-A	542141010S-A	A	14	10	10	71	0,942		
541141010S-B	542141010S-B	B	14	10	10	71	0,942		
541151010S-A	542151010S-A	A	15	10	10	71	0,982	61	
541151010S-B	542151010S-B	B	15	10	10	71	0,982	61	
541151013S-A	542151013S-A	A	15	10	13	71	1,100		
541151015S-A	542151015S-A	A	15	10	15	71	1,178		
541151210S-A	542151210S-A	A	15	12	10	71	1,178		
541151510S-A	542151510S-A	A	15	15	10	71	1,473		
541151513S-A	542151513S-A	A	15	15	13	71	1,649		
541151515S-A	542151515S-A	A	15	15	15	71	1,767		
541171306S-B	542171306S-B	B	17	13	6	71	1,174		
541171506S-B	542171506S-B	B	17	15	6	71	1,355		
541180610S-A	542180610S-A	A	18	06	10	71	0,660		
542181008S-B	541181008S-B	B	18	10	08	71	1,021		
541181210S-A	542181210S-A	A	18	12	10	71	1,319		
541200512S	542200512S		20	05	12	88	0,628		
541201010S-A	542201010S-A	A	20	10	10	88	1,178	68	
541201010S-B	542201010S-B	B	20	10	10	88	1,178	68	
541201015S-A	542201015S-A	A	20	10	15	88	1,374		
541201015S-B	542201015S-B	B	20	10	15	88	1,374		
541201020S-A	542201020S-A	A	20	10	20	88	1,571		
541201210S-A	542201210S-A	A	20	12	10	88	1,414		
541201510S-A	542201510S-A	A	20	15	10	88	1,767	72	
541201510S-B	542201510S-B	B	20	15	10	88	1,767	72	
541201515S	542201515S		20	15	15	88	2,062		
541201520S-A	542201520S-A	A	20	15	20	88	2,356		
541202020S-A	542202020S-A	A	20	20	20	88	3,142		
541203010S-A	542203010S-A	A	20	30	10	88	3,534		
541206014S-B	542206014S-B	B	20	60	14	88	8,011		
541211513S-A	542211513S-A	A	21	15	13	88	2,003		
541220610S-A	542220610S-A	A	22	06	10	88	0,754		
541257510S-A	542257510S-A	A	25	7,5	10	100	1,031		
541250810S-A	542250810S-A	A	25	08	10	100	1,100		
541251005S	542251005S		25	10	5	100	1,178		
541251015S-A	542251015S-A	A	25	10	15	100	1,571		
541251520S-A	542251520S-A	A	25	15	20	100	2,651		
541252530S-A	542252530S-A	A	25	25	30	100	5,400		
541280810S-A	542280810S-A	A	28	08	10	110	1,194		
541281010S-A	542281010S-A	A	28	10	10	110	1,492		
541291009S	542291009S		29	10	9	125	1,492		
541301010S-A	542301010S-A	A	30	10	10	142	1,571		
541301010S-B	542301010S-B	B	30	10	10	142	1,571		
541301015S-A	542301015S-A	A	30	10	15	142	1,767		
541301020S-A	542301020S-A	A	30	10	20	142	1,964		
541301025S	542301025S		30	10	25	142	2,160		
541301520S-A	542301520S-A	A	30	15	20	142	2,945		
541301545S-B	542301545S-B	B	30	15	45	142	4,418		
541302010S-A	542302010S-A	A	30	20	10	142	3,142	78	
541302010S-B	542302010S-B	B	30	20	10	142	3,142	78	
541302020S-A	542302020S-A	A	30	20	20	142	3,927	81	
541302020S-B	542302020S-B	B	30	20	20	142	3,927	81	
541303010S-A	542303010S-A	A	30	30	10	142	4,712		
541303020S	542303020S		30	30	20	142	5,891		
541302530S-A	542303025S-A	A	30	30	25	142	6,480		
541303025S-B	542303025S-B	B	30	30	25	142	6,480		
541303030S-A	542303030S-A	A	30	30	30	142	7,069		
5413150830S-B	5423150830S-B	B	31,5	08	30	142	1,932		
541341232S-A	542341232S-A	A	34	12	32	142	3,110		
541350720S-A	542350720S-A	A	35	07	20	142	1,512		
541351015S-A	542351015S-A	A	35	10	15	142	1,964		
541351510S-A	542351510S-A	A	35	15	10	142	2,651		





Typ A



Typ B

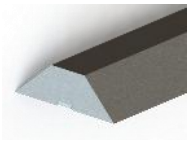
K = Plastic / Polyurethane, S = steel

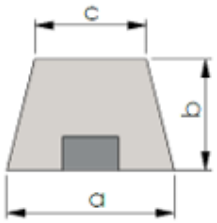
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- trapezoidal strips / BGW- dummy joint strip / BGW- grouting groove system for architectural concrete

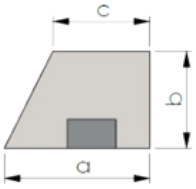
Trapezoidal strip made of steel (S), magnetic with a continuous neodymium magnetic track/non-magnetic

Item no. Magnetic	Item no. non-magnetic	Type	a mm	b mm	c mm	Adhesive force kg/m	Weight kg/m	Price €/m Magnetic	Price €/m non-magnetic
541353520S-A	542353520S-A	A	35	35	20	142	7,559		
541361313S-A	542361313S-A	A	36	13	13	142	2,501		
541361313S-B	542361313S-B	B	36	13	13	142	2,501		
541361513S-A	542361513S-A	A	36	15	13	142	2,886		
541363020S-A	542363020S-A	A	36	30	20	142	6,597		
541375535S-A	542375535S-A	A	37	55	35	142	15,551		
541381018S-A	542381018S-A	A	38	10	18	142	2,199		
541400337S-A	542400337S-A	A	40	03	37	142	0,907		
541401020S-A	542401020S-A	A	40	10	20	142	2,356		
541401030S-A	542401030S-A	A	40	10	30	142	2,749		
541401030S-B	542401030S-B	B	40	10	30	142	2,749		
541401520S-A	542401520S-A	A	40	15	20	142	3,534		
541401525S-B	542401525S-B	B	40	15	25	142	3,829		
541502010S-A	542402010S-A	A	40	20	10	142	3,927		
541402012S-A	542402012S-A	A	40	20	12	142	4,084		
541402020S-A	542402020S-A	A	40	20	20	142	4,712	87	
541402020S-B	542402020S-B	B	40	20	20	142	4,712	87	
541402030S-A	542102030S-A	A	40	20	30	142	5,498	93	
541402030S-B	542402030S-B	B	40	20	30	142	5,498	93	
541403030S-A	542403030S-A	A	40	30	30	142	8,247	98	
541403030S-B	542403030S-B	B	40	30	30	142	8,247	98	
541404015S-A	542404015S-A	A	40	40	15	142	8,639		
541404020S-A	542404020S-A	A	40	40	20	142	9,425		
541404030S-A	542404030S-A	A	40	40	30	142	10,996		
541451025S	542451025S		45	10	25	150	2,749		
541451035S-B	542451035S-B	B	45	10	35	150	3,142		
541451515S-A	542451515S-A	A	45	15	15	150	3,534		
541501016S-A	542501016S-A	A	50	10	16	150	2,592		
541501030S-A	542501030S-A	A	50	10	30	150	3,142		
541501040S-B	542501040S-B	B	50	10	40	150	3,534		
541502010S-B	542502010S-B	B	50	20	10	150	4,712		
541502030S-A	542502030S-A	A	50	20	30	150	6,283		
541502040S-A	542502040S-A	A	50	20	40	150	7,069		
541502535S-B	542502535S-B	B	50	25	35	150	8,345		
541552520S-A	542552520S-A	A	55	25	20	150	7,363		
541563040S-A	542563040S-A	A	56	30	40	150	11,310		
514601040S-A	542601040S-A	A	60	10	40	150	3,927		
514601050S-B	542601050S-B	B	60	10	50	150	4,320		
541602020S	542602020S		60	20	20	150	6,283		
541602040S-A	542602040S-A	A	60	20	40	150	7,854		
541603557S-B	542603557S-B	B	60	35	57	150	16,081		
54170155S-B	542701555S-B	B	70	15	55	165	7,363		
541702038S-A	542702038S-A	A	70	20	38	165	8,482		
541705010S	542705010S		70	50	10	165	15,708		
541801070S-B	542801070S-B	B	80	10	70	165	5,891		
541851074S-B	542851074S-B	B	85	10	74	165	6,244		
541901070S-A	542901070S-A	A	90	10	70	165	6,283		
5411002580S-A	5421002580S-A	A	100	25	80	165	1,767		





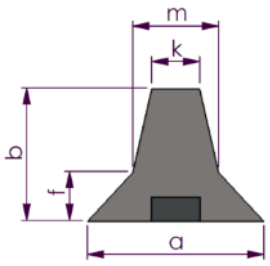
Typ A



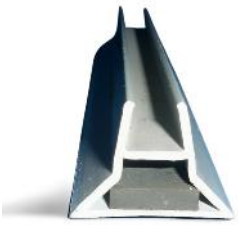
Typ B

K = Plastic / polyurethane, S = steel

BGW- dummy joint strips / separating joint strips



Material: cast polyurethane specially developed for this application in concrete plants
The magnets are cast into this polyurethane during the casting process to ensure that they hold securely on the steel formwork.
The adhesive force of the separation joint strips is shown in the table below.
Architectural dummy joints and "predetermined breaking points" in precast concrete elements also help to give large, single-piece precast concrete elements, such as walls, their own character.
The other purpose of the dummy joint is to conceal the large-area precast concrete elements in which dummy joints will break without cracks being visible on the surface.
In sandwich walls, the dummy joint must be routed through the facing shell to the Thermal insulation.
Magnetic BGW dummy joint strips are available for this purpose. In addition to our standard profiles, special shapes are available on request. The maximum length of the strips is 3 m. The dummy joint strip can be cut to any length.
Once the concrete has hardened, the profile of this false joint is completely removed from the component.

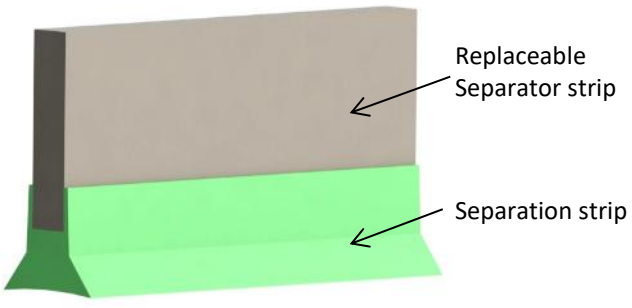


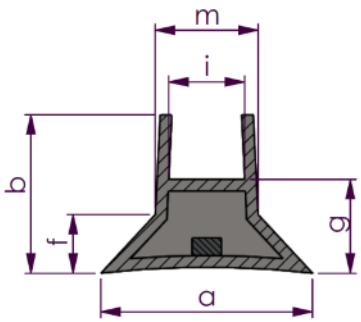
BGW magnetic dummy joint strip

Item no.	a mm	b mm	f mm	m mm	k mm	Adhesive force kg/m	Weight kg/m	Price €/m
5416	38	15	10	18	18	142	0,7	110
5409	34	70	10	23	13	142	2,0	135
5409-80	34	80	10	23	13	142	2,2	145
5409-100	34	100	10	23	13	142	2,5	160
5409-70	45	70	10	25	15	142	1,2	150

BGW- Magnetic separation strip

Item no.	a mm	b [mm]	f mm	m mm	i mm	g mm	Length mm	Adhesive force kg/m	Weight kg/m	Price €/piece
5409-36/10/25M	36	25	10	17,5	10	16	2500	142	1,7	135





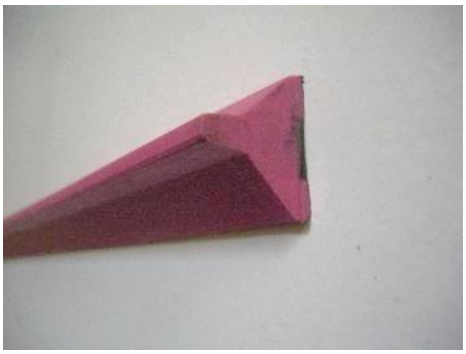
BGW- Separation joint strip, non-magnetic

Item no.	a mm	b [mm]	f mm	m mm	i mm	g mm	Length mm	Weight kg/m	Price €/piece
5409-36/10/25	36	25	10	17,5	10	16	2500	0,145	6,50

This expansion joint profile is made of PVC material.
The contact surface is curved so that only the edges of the 36 mm wide profile rest on the Formwork. The separation joint profile has a groove for inserting a 10 mm wide separation strip. The separation joint profile is attached to the Formwork with adhesive or pins.

BGW- dummy joint

Material: cast polyurethane specially developed for this application in concrete plants
The magnets for secure attachment to the steel formwork are cast into this polyurethane during the casting process.



The adhesive force of the separation joint strips is shown in the table below.

Architectural dummy joints and "predetermined breaking points" in precast concrete elements also help to give large, single-piece precast concrete elements, such as walls, their own character.

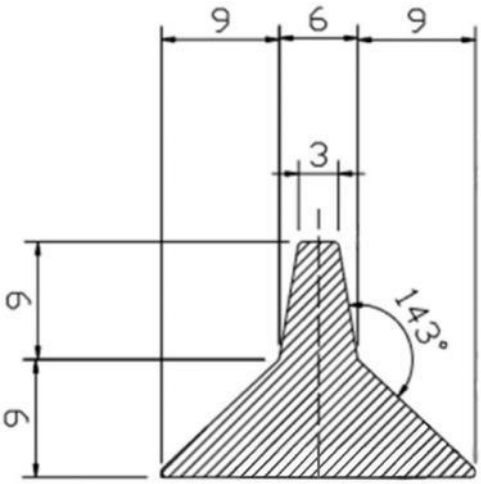
The other purpose of the dummy joint is to conceal the large-area precast concrete elements in which dummy joints will break without cracks being visible on the surface.

In sandwich walls, the dummy joint must be routed through the facing shell to the Thermal insulation.
Magnetic BGW dummy joint strips are available for this purpose. In addition to our standard profiles, special shapes are available on request. The maximum length of the strips is 3 m. The dummy joint strip can be cut to any length.

Once the concrete has hardened, the profile of this false joint is completely removed from the component.

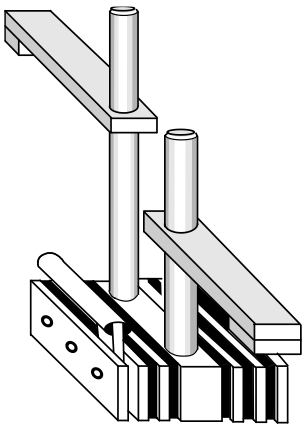
Item no.	Width mm	Material Profile	Magnetic track	Adhesive force kg	Magnet material	Max. length mm	Price/ meter €
5409-32	12	Pou	1	41	N42	2800	85
5409-30	24	Pou	1	41	N42	2800	90
5409-31	24	Pou	2	82	N42	2800	110





BGW- holding magnet type HM1 (formwork hold-down clamp, shear clamp)

For holding down and laterally securing formwork



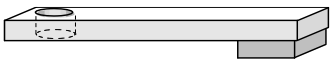
This magnet system is particularly suitable for use with adjustable hold-down device, it is particularly suitable for use with frequently changing formwork heights.
The arm can be swiveled approximately 360° around the column (height variable)
Three sides of our magnetic holders are flat and have no protruding screws, so that they can also be used as a support to prevent sideways movement of the Formwork.
The structure of the magnetic body compensates for unevenness in the formwork without any loss of adhesive force.

BGW- Adhesive magnet type HM1

Item no.	Hold-down device Piece/Version	Adhesive force approx. kg	Shift force	weight kg	Width mm	Length mm	Clamping height mm	Price €/piece
HM1- 600-1A	1 x with Support	600	200	11,0	102	250	ca. 300	123,00
HM1- 600-1G	1 x with thread	600	200	11,0	102	250	ca. 300	123,00
HM1- 600-2A	2 x with Support	600	200	14,0	102	250	ca. 300	135,00
HM1- 600-2G	2 x with thread	600	200	14,0	102	250	ca. 300	135,00
HM1-1000-1A	1 x with Support	1000	350	15,0	150	250	ca. 300	162,00
HM1-1000-1G	1 x with thread	1000	350	15,0	150	250	ca. 300	162,00
HM1-1000-2A	2 x with Support	1000	350	18,0	150	250	ca. 300	174,00
HM1-1000-2	2 x with thread	1000	350	18,0	150	250	ca. 300	174,00
HM1-1600-1A	1 x with Support	1600	600	18,0	200	250	ca. 300	194,00
HM1-1600-1G	1 x with thread	1600	600	18,0	200	250	ca. 300	194,00
HM1-1600-2A	2 x with Support	1600	600	21,0	200	250	ca. 300	207,00
HM1-1600-2G	2 x with thread	1600	600	21,0	200	250	ca. 300	207,00
HM1-2000-1A	1 x with Support	2000	700	21,0	245	250	ca. 300	225,00
HM1-2000-1G	1 x with thread	2000	700	21,0	245	250	ca. 300	225,00
HM1-2000-2A	2 x with Support	2000	700	24,0	245	250	ca. 300	238,00
HM1-2000-2G	2 x with thread	2000	700	24,0	245	250	ca. 300	238,00

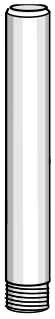
Special designs, specifically for your production, are available on request!

Accessories / Spare parts



Hold-down device with welded Support, including column

Item no.	Description	Price €/piece
NH-11	Hold-down device with welded Support Column Ø 25 mm with M 24 thread	13,00

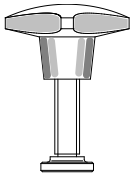


Hold-down device with M 16 thread, incl. column

Item no.	Description	Price €/piece
NH-21	Hold-down device with Thread M 16 Column Ø 25 mm with M 24 thread	13,00

Articulated pressure spindle

Item no.	Description	Price €/piece
ZG-1	Articulated pressure spindle M 16 Cross handle 80 mm, Ø plate 32 mm	15,00





BGW- holding magnet HM1 neodymium (formwork hold-down clamp, shear clamp)

– Lightweight, powerful magnet for holding down and securing formwork at the sides



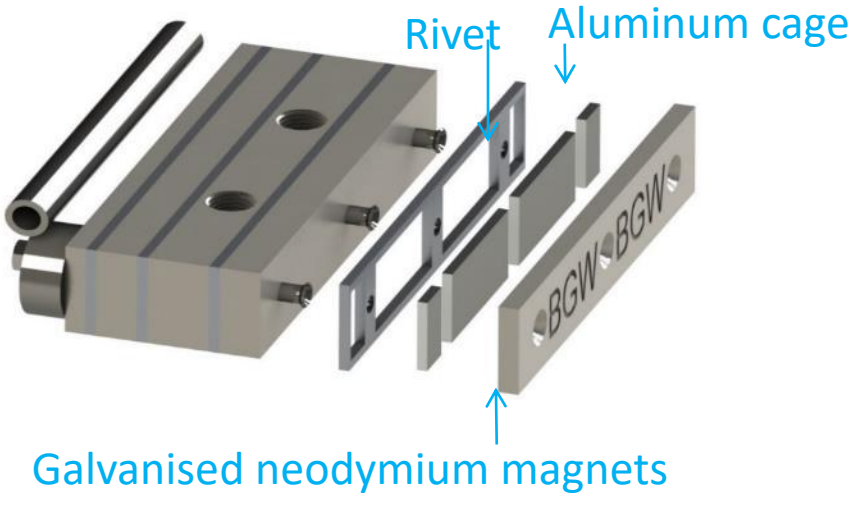
BGW- HM1 neodymium magnetic holder is a further development of our proven BGW- HM1 magnetic holder. Compared to its predecessor, the rubber-bonded ferrite magnets have been replaced by sintered neodymium magnets. Thanks to the use of neodymium, HM1 neodymium is smaller and lighter than its predecessor and has a uniform size. The screws of the magnet body have been replaced by a secure form-fitting rivet connection. The neodymium magnet plates in the HM-1 magnet body are shielded and positioned by means of an aluminum cage. The magnet body is smooth all around, so that at least 3 sides are suitable for working. BGW- HM1 neodymium adhesive magnets are equipped with external or internal release levers, depending on customer requirements. Two M24 holes are drilled into the magnet body for screwing in sturdy hold-down clamps. The hold-down clamps function like a clamp and fix the Formwork to the switch table. The hold-down clamps are infinitely height-adjustable and can be rotated through 360°.
The adhesive force of the magnets is determined in our in-house testing laboratory. Test certificates are available on request.

HM1 with support and external release lever

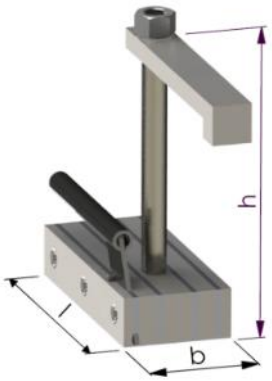


Advantages

- Smaller external dimensions
- Lower weight
- Uniform size
- Adhesive force up to 4100 kg
- Impact-resistant
- Resistant to vibrations
- Suitable for working on at least 3 sides
- External or internal release lever



HM1 neodymium with pressure spindles and internal release lever



HM1 neodymium with 1x Support

Item no.	Adhesive force approx. kg	Release lever	Length L [mm]	Width b [mm]	Height h mm	Clamping height mm	Weight kg	Price €/piece
HM1-4100-51Aa	4100	Outside	250	144	310	30-250	14,5	385,-
HM1-2500-51Aa	2500	Outside	250	144	310	30-250	13,5	275,-
HM1-2500-51Ai	2500	inside	250	110	310	30-250	13,5	275,-
HM1-1500-51Aa	1500	Outside	250	144	310	30-250	13,5	220,-
HM1-1500-51Ai	1500	inside	250	110	310	30-250	13,5	220,-
HM1-850-51Aa	850	Outside	250	144	310	30-250	12,5	170,-
HM1-850-51Ai	850	inside	250	110	310	30-250	12,5	170,-

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- holding magnet HM1 neodymium (formwork hold-down clamp, shear clamp) – Lightweight, powerful magnet for holding down and securing formwork at the sides

HM1 neodymium with 2x supports

Item no.	Adhesive force approx. kg	Release lever	Length L [mm]	Width b [mm]	Height h mm	Clamping height mm	Weight kg	Price €/piece
HM1-4100-52Aa	4100	Outside	250	144	310	30-250	18,0	390,-
HM1-2500-52Aa	2500	Outside	250	144	310	30-250	17,0	280,-
HM1-2500-52Ai	2500	inside	250	110	310	30-250	17,0	280,-
HM1-1500-52Aa	1500	Outside	250	144	310	30-250	17,0	230,-
HM1-1500-52Ai	1500	inside	250	110	310	30-250	17,0	230,-
HM1-850-52Aa	850	Outside	250	144	310	30-250	16,0	180,-
HM1-850-52Ai	850	inside	250	110	310	30-250	16,0	180,-



HM1 neodymium with 1x pressure spindle

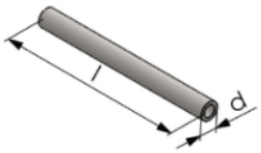
Item no.	Adhesive force approx. kg	Release lever	Length L [mm]	Width b [mm]	Height h mm	Clamping height mm	Weight kg	Price €/piece
HM1-4100-51Ga	4100	Outside	250	144	340	35-255	14,5	390,-
HM1-2500-51Ga	2500	Outside	250	144	340	35-255	13,5	280,-
HM1-2500-51Gi	2500	inside	250	110	340	35-255	13,5	280,-
HM1-1500-51Ga	1500	Outside	250	144	340	35-255	13,5	230,-
HM1-1500-51Gi	1500	inside	250	110	340	35-255	13,5	230,-
HM1-850-51Ga	850	Outside	250	144	340	35-255	12,5	175,-
HM1-850-51Gi	850	inside	250	110	340	35-255	12,5	175,-

HM1 neodymium with 2x pressure spindle

Item no.	Adhesive force approx. kg	Release lever	Length L [mm]	Width b [mm]	Height h mm	Clamping height mm	Weight kg	Price €/piece
HM1-4100-52Ga	4100	Outside	250	144	340	35-255	18,0	405,-
HM1-2500-52Ga	2500	Outside	250	144	340	35-255	17,0	290,-
HM1-2500-52Gi	2500	inside	250	110	340	35-255	17,0	290,-
HM1-1500-52Ga	1500	Outside	250	144	340	35-255	17,0	240,-
HM1-1500-52Gi	1500	inside	250	110	340	35-255	17,0	240,-
HM1-850-52Ga	850	Outside	250	144	340	35-255	16,0	190,-
HM1-850-52Gi	850	inside	250	110	340	35-255	16,0	190,-

BGW- Release lever extension

Item no.	Length L [mm]	Outer Ø b [mm]	Weight kg	Price €/piece
56127	300	26,9	0,366	10,00

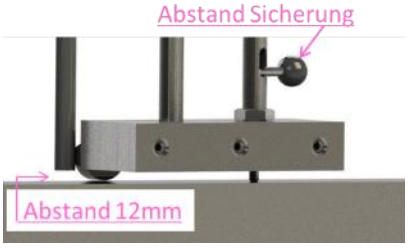


BGW- Hold-down column with distance safety device

Item no.	Length L [mm]	Width b [mm]	Height h mm	Weight kg	Price €/piece
NH31	300	42	86	1,2	25,00



On customer request, the hold-down column can be equipped with a distance safety device.
This safety device makes it possible to stop HM1 before it is fully seated on the Formwork in order to adjust the end position of the holding magnet precisely and without hammer blows.







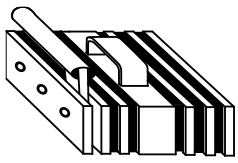
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- holding magnet type HM2 (shear support) for lateral fixing of the Formwork

This magnetic holding system is suitable for preventing lateral movement of the formwork. The centrally located handle allows the magnetic system to be positioned precisely with minimal effort.
The structure of the magnet body compensates for unevenness in the formwork without any loss of Adhesive force.

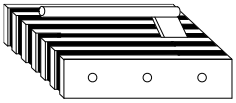
BGW- Adhesive magnet type HM2 – Standard – with central handle and lateral release lever

Item no.	Adhesive force approx. kg	Displace ment force	weight approx. kg	Width mm	Length mm	Height with lever mm	Height of magnet mm	Price €/piece
HM2- 600	600	200	6,0	92	250	120	50	98,00
HM2-1000	1000	350	10,0	140	250	120	50	136,00
HM2-1600	1600	600	14,0	190	250	120	50	169,00
HM2-2000	2000	700	18,0	235	250	120	50	202,00



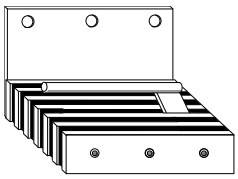
BGW- Holding magnet type HM2 – Release lever in the center

Item no.	Adhesive force approx. kg	Displacem ent force	weight approx. kg	Width mm	Length mm	Height with lever mm	Magnet height mm	Price €/piece
HM2- 600-1	600	200	6,0	92	250	120	50	96,00
HM2-1000-1	1000	350	10,0	140	250	120	50	134,00
HM2-1600-1	1600	600	14,0	190	250	120	50	167,00
HM2-2000-1	2000	700	18,0	235	250	120	50	200,00



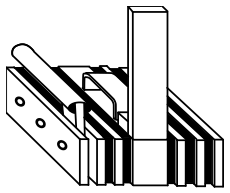
BGW- HM2 type holding magnet – support plate welded on the side – with central release lever and nail holes on request

Item no.	Adhesive force approx. kg	Displace ment force	weight approx. kg	Width mm	Length mm	Height with lever mm	Magnet height mm	Price €/piece
HM2- 600-2	600	200	6,0	92	250	120	50	111,00
HM2-1000-2	1000	350	10,0	140	250	120	50	149,00
HM2-1600-2	1600	600	14,0	190	250	120	50	182,00
HM2-2000-2	2000	700	18,0	235	250	120	50	215,00



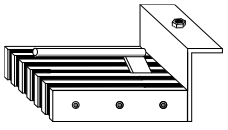
BGW- HM2 type holding magnet – 90° stop angle welded to front – with central handle and side release lever

Item no.	Adhesive force approx. kg	Displacem ent force	weight approx. kg	Width mm	Length mm	Height with lever mm	Magnet height mm	Price €/piece
HM2- 600-3	600	200	6,0	92	250	120	50	111,00
HM2-1000-3	1000	350	10,0	140	250	120	50	149,00
HM2-1600-3	1600	600	14,0	190	250	120	50	182,00
HM2-2000-3	2000	700	18,0	235	250	120	50	215,00



BGW- HM2 type holding magnet – angle welded to front – with central release lever and welded-on nut on request

Item no.	Adhesive force approx. kg	Displacement force	weight approx. kg	Width mm	Length mm	Height with lever mm	Height of magnet mm	Price €/piece
HM2- 600-4	600	200	6,0	92	250	120	50	111,00
HM2-1000-4	1000	350	10,0	140	250	120	50	149,00
HM2-1600-4	1600	600	14,0	190	250	120	50	182,00
HM2-2000-4	2000	700	18,0	235	250	120	50	215,00



BGW- holding magnet type HM2 (shear support) for lateral fixing of the Formwork

BGW- HM2 type magnetic holder – for fixing door and window frames –

Tried-and-tested magnet system with hold-down arm and conical formwork centering.

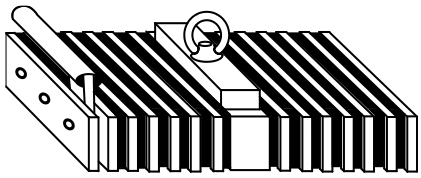
The magnet body consists of iron plates, which are magnetically aligned in a north-south direction and made of plastic-bonded ferrite material. The tie rods running through the magnet body are made of Stainless steel so that the field lines in the magnet system are not weakened or disturbed, which would reduce the Adhesive force. The release lever is built into the magnet body and does not protrude from the side.

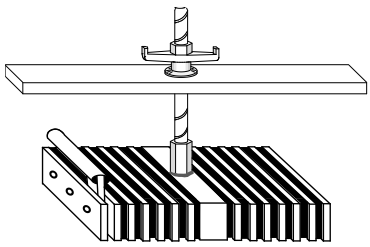
With this system, the magnet can remain on the formwork for another identical component; the formwork or the formwork and the component are removed.

Installation instructions:

The formwork is placed on the oiled formwork floor. The magnet body is placed approximately in the center of the larger Recess for windows, doors, etc. The rod for the crossbar is screwed into the thread cut into the center pole of the magnet or into the thread welded onto the center pole of the magnet body. The rod (threaded rod) is inserted centrally onto the magnet through the hole in the center of the crossbar using the nut. The crossbar is placed on the Formwork with both ends and pressed firmly onto the Formwork floor by tightening the nut.

Item no.	Version with...	Adhesive force approx. kg	Displacement force	Weight approx. kg	Width mm	Length mm	Height mm	Price €/piece
HM2-2000-R	...center ring screw	2000	700	18	235	250	50	210,00
HM2-2000-D	...central D&W(15) quick-release nut	2000	700	18	235	250	50	210,00
HM2-2000-G	...center Thread M 20	2000	700	18	235	250	50	214,00





Threaded rod and wing nut sold separately!

W-anchor rod nut/swivel nut

Item no.	Weight kg	PU piece	Price € / piece
070023	0,250	1	6,20





Dywidag anchor rod

Item no.	Length mm	Weight kg	Price € / piece Galvanised	Price € / piece V2A	Price € / piece V4A
07003	1120	1,790			
07001	1500	2,400			

BGW- HM2 magnetic clamp for lateral fixing of window and door formwork

Release lever offset to the side – not protruding
Magnetic material: hammer-resistant and temperature-insensitive
plastic-bonded ferrite

Item no.	Adhesive force approx. kg	Displacement force	Weight approx. kg	Width mm	Length mm	Height Magnet mm	Price €/piece
HM2- 600-S	600	200	6,0	92	250	50	99,00
HM2-1000-S	1000	350	10,0	140	250	50	137,00
HM2-1600-S	1600	600	14,0	190	250	50	170,00
HM2-2000-S	2000	700	18,0	235	250	50	203,00





BGW- magnet type HM2 - for garage formwork

Max. height 50 mm.
For holding built-in components, window frames, door frames.
Extremely easy to use.
With side handle and setting handle.
This magnet can be easily released by the worker levering the carrying handle with a hammer or a piece of wood (roof batten) or iron rod.
Magnetic material: hammer-resistant and temperature-insensitive
plastic-bonded ferrite.

Item no.	Adhesive force approx. kg	Shifting force	Weight approx. kg	Width mm	Length mm	Magnet height mm	Price €/piece
HMG- 600-S	600	200	6,0	92	250	50	118,80
HMG-1000-S	1000	350	10,0	140	250	50	164,40
HMG-1600-S	1600	600	14,0	190	250	50	204,00
HMG-2000-S	2000	700	18,0	235	250	50	243,60





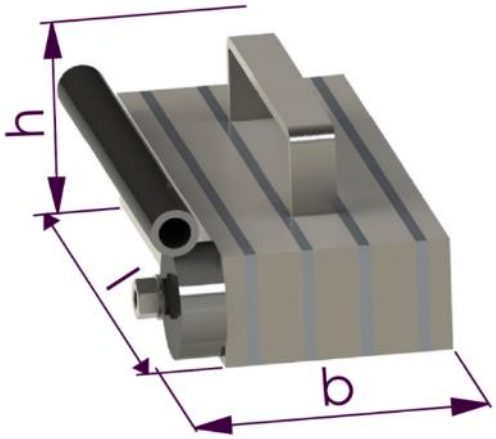
BGW- holding magnet HM2-neodymium (shear holder) (formwork) –

Lightweight, strong magnet for holding the formwork in place at the sides

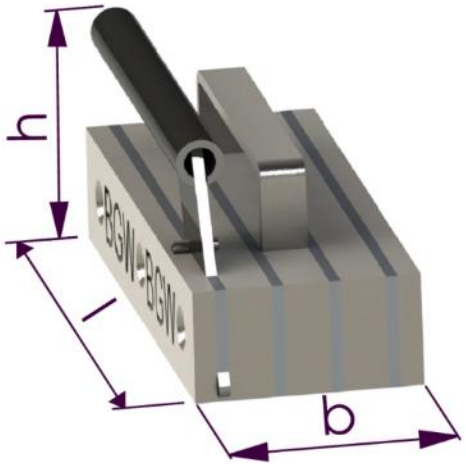
BGW- HM2 Neodymium Holding Magnet is a further development of our proven BGW- HM1 Holding Magnet. Compared to its predecessor, the rubber-bonded ferrite magnets have been replaced by sintered neodymium magnets. Thanks to the use of neodymium, HM2 Neodymium is smaller and lighter than its predecessor and has a uniform size. The screws of the magnet body have been replaced by a secure form-fitting rivet connection. The shielding and positioning of neodymium magnet plates in the HM-2 magnet body is achieved by aluminum plates. The magnet body is smooth all around, so that at least 3 sides are suitable for working. BGW- HM2 neodymium magnets are equipped with external or internal release levers, depending on customer requirements.
The adhesive force of the magnets is determined in our in-house testing laboratory.
Test certificates are available on request.

Advantages

- Smaller external dimensions
- Lower weight
- Adhesive force up to 4100 kg
- Uniform size
- Impact-resistant
- Resistant to vibrations
- Suitable for working on at least 3 sides
- External or internal release lever



HM2 neodymium with external release lever



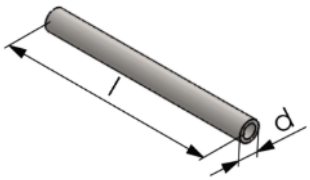
HM2 neodymium with internal release lever

HM2 neodymium

Item no.	Adhesive force approx. kg	Release lever	Length L [mm]	Width b [mm]	Height h mm	Weight kg	Price €/piece
HM2-4100-5a	4100	außen	250	134	89	11	400,-
HM2-2500-5a	2500	außen	250	134	89	10	288,-
HM2-2500-5i	2500	innen	250	100	106	10	288,-
HM2-1500-5a	1500	außen	250	134	89	10	233,-
HM2-1500-5i	1500	innen	250	100	106	10	233,-
HM2-850-5a	850	außen	250	134	89	9	180,-
HM2-850-5i	850	innen	250	100	106	9	180,-

BGW- Release lever extension

Item no.	Length L [mm]	Outer Ø d mm	Weight kg	Price €/piece
56127	300	26,9	0,366	10,-



BGW- HM3 holding magnet for substructure in the U-profiles/formwork profiles

This magnetic holder system is designed for installation in formwork profiles used as cross or longitudinal supports in the production of Element ceilings.

On request, this magnetic holder for installation in formwork profiles is also available with a 5 x 45° bevel. other milled recesses or delivered in a robot-compatible form.



The holding magnets are not screwed in place, but form-fitted with Stainless steel rivets

To ensure that the magnet always sits with the correct adhesive side and cannot be damaged during adjustment, only the adhesive side is milled.

The formwork profiles matching this magnet system are available from us on request or according to a sketch.

HM3 bare ferrite neodymium

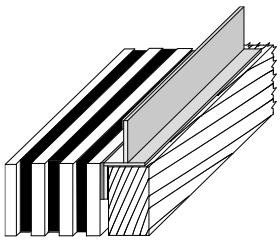
Item no.	Adhesive force approx. kg	Displacement force	Weight approx. kg	Width mm	Length mm	Height mm	Price €/piece
HM3-32-140-2	200	70	1,5	32	140	50	25,56
HM3-40-140-2	200	70	1,5	40	140	50	25,56
HM3-50-140-2	700	250	2,5	50	140	50	90,00
HM3-50-140-3	300	100	2,0	50	140	50	27,61
HM3-54-140-2	700	250	2,5	54	140	50	92,00
HM3-54-140-3	300	100	2,0	54	140	50	28,12
HM3-54-140-4	450	150	2,5	54	140	50	32,72
HM3-32-250-2	350	120	3,0	32	250	50	35,79
HM3-40-250-2	350	120	3,0	40	250	50	35,79
HM3-50-250-2	1100	385	4,0	50	250	50	120,00
HM3-50-250-2	1400	500	4,0	50	250	50	135,00
HM3-50-250-3	500	190	4,0	50	250	50	37,84
HM3-54-250-2	1100	385	4,0	54	250	50	120,00
HM3-54-250-2	1400	500	4,0	54	250	50	135,00
HM3-54-250-3	500	190	4,0	54	250	50	38,35
HM3-54-250-4	650	220	4,5	54	250	50	43,46



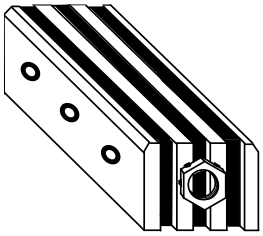
HM3 Galvanised on request!

Special designs:

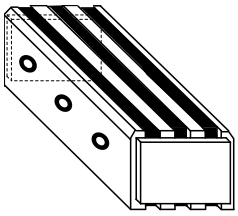
HM3 with angle bracket
For storing roof battens

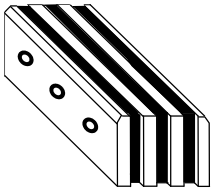


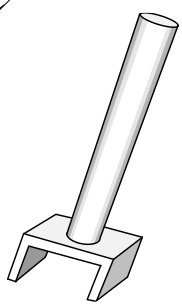
HM3 with both sides
Stainless steel nuts



HM3 with front
Stainless steel plates







Release lever
made of magnetic steel Price: €44.00/piece
Made of non-magnetic steel Price: €72.00/piece

BGW bohr GmbH GERMAN QUALITY SINCE 1986

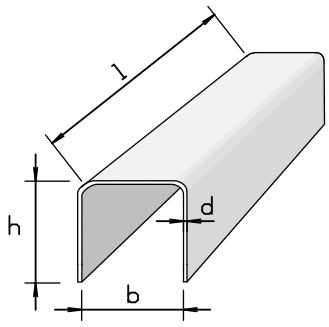
BGW- Formwork profiles for forming filigree ceiling slabs

for slab ceiling and double wall construction

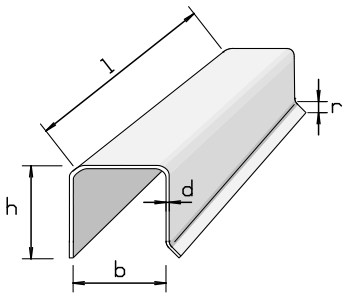
BGW formwork profiles are available in various versions depending on the intended use. Information on profile length and price is available on request. Profile length up to max. 4 meters.
Profiles are folded from a single piece. Profiles in special heights are available on request.

U-profile, folded, unplaned

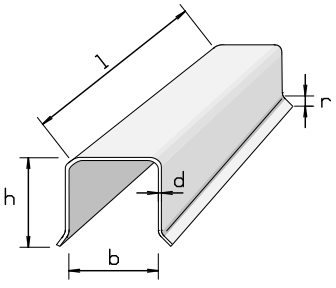
Item no.	Bevel	Weight kg/m	Internal width b [mm]	Height h mm	Wall thickness d mm	Fiber	for magnet HM3	Price €/piece
3502	without	3,46	32 + 0,5	60	3	10 x 45°	32-140-2 32-250-2	Prices on request
3504	Without	4,61			4			
3506	One-sided	3,55			3			
3508	single-sided	4,73			4			
3510	both sides	3,59			3			
3512	both sides	4,79			4			
3514	without	3,64	40 + 0,5		3		40-140-2 40-250-2	
3516	without	4,85			4			
3518	one-sided	3,73			3			
3520	single-sided	4,98			4			
3522	both sides	3,77			3			
3524	both sides	5,03			4			
3526	without	3,87	50 + 0,5		3		50-140-3 50-250-3	
3528	without	5,15			4			
3530	one-sided	3,96			3			
3534	single-sided	5,28			4			
3536	both sides	4,00			3			
3538	both sides	5,33			4			
3540	without	3,96	54 + 0,5		3		54-140-3 54-250-3 54-140-4 54-250-4	
3542	without	5,28			4			
3544	one-sided	4,05			3			
3546	single-sided	5,40			4			
3548	both sides	4,09			3			
3550	both sides	5,45			4			
3552	without	3,68	32 + 0,5	65	3		32-140-2 32-250-2	
3554	without	4,91			4			
3556	one-sided	3,78			3			
3558	one-sided	5,04			4			
3560	both sides	3,82			3			
3562	both sides	5,09			4			
3564	without	3,87	40 + 0,5		3		40-140-2 40-250-2	
3566	None	5,15			4			
3568	one-sided	3,96			3			
3570	one-sided	5,28			4			
3572	both sides	4,00			3			
3574	both sides	5,33			4			
3576	without	4,09	50 + 0,5		3		50-140-3 50-250-3	
3578	without	5,46			4			
3580	one-sided	4,19			3			
3582	single-sided	5,58			4			
3584	both sides	4,23			3			
3586	both sides	5,64			4			
3588	without	4,18	54 + 0,5		3		54-140-3 54-250-3 54-140-4 54-250-4	
3590	without	5,58			4			
3592	one-sided	4,28			3			
3594	single-sided	5,70			4			
3596	both sides	4,32			3			
3598	both sides	5,76			4			
3600	without	3,91	32 + 0,5	70	3		32-140-2 32-250-2	
3602	without	5,22			4			
3604	one-sided	4,01			3			
3606	single-sided	5,34			4			
3608	both sides	4,05			3			
3610	both sides	5,39			4			
3612	without	4,09	40 + 0,5		3		40-140-2 40-250-2	
3614	None	5,46			4			
3616	one-sided	4,19			3			
3618	single-sided	5,58			4			
3620	both sides	4,23			3			
3622	both sides	5,64			4			
3624	without	4,32	50 + 0,5		3		50-140-3 50-250-3	
3626	without	5,76			4			
3628	one-sided	4,41			3			
3630	one-sided	5,89			4			
3632	both sides	4,45			3			
3634	both sides	5,94			4			
3636	without	4,41	54 + 0,5		3		54-140-3 54-250-3 54-140-4 54-250-4	
3638	without	5,88			4			
3640	one-sided	4,51			3			
3642	single-sided	6,01			4			
3644	both sides	4,55			3			
3646	both sides	6,06			4			



without chamfer



Bevel on one side



Bevel on both sides

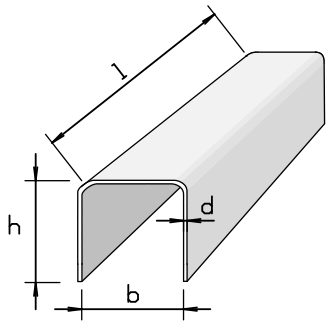
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Formwork profiles for forming filigree ceiling slabs

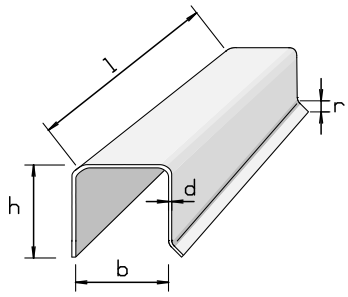
BGW formwork profiles are available in various versions depending on the intended use. Information on profile length and Price is available on request. Profile length up to max. 4 meters.
Profiles are folded from a single piece and planed flat.

U-profile, folded and planed

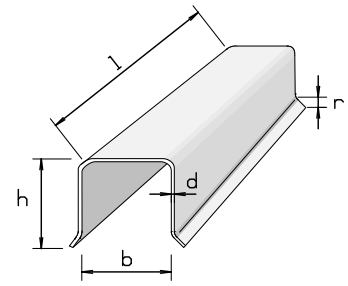
Item no.	Bevel	Weight kg/m	Internal width b [mm]	Height h mm	Wall thickness d mm	Fiber	for magnet HM3	Price €/piece
3502G	without	3,46	32 + 0,5	60	3	10 x 45°	32-140-2 32-250-2	Prices on request
3504G	without	4,61			4			
3506G	single-sided	3,55			3			
3508G	single-sided	4,73			4			
3510G	both sides	3,59			3			
3512G	both sides	4,79			4			
3514G	without	3,64	40 + 0,5		3		40-140-2 40-250-2	
3516G	without	4,85			4			
3518G	single-sided	3,73			3			
3520G	single-sided	4,98			4			
3522G	both sides	3,77			3			
3524G	both sides	5,03			4			
3526G	without	3,87	50 + 0,5		3		50-140-3 50-250-3	
3528G	without	5,15			4			
3530G	single-sided	3,96			3			
3534G	single-sided	5,28			4			
3536G	both sides	4,00			3			
3538G	both sides	5,33			4			
3540G	without	3,96	54 + 0,5		3		54-140-3 54-250-3 54-140-4 54-250-4	
3542G	without	5,28			4			
3544G	one-sided	4,05			3			
3546G	single-sided	5,40			4			
3548G	both sides	4,09			3			
3550G	both sides	5,45			4			
3552G	without	3,68	32 + 0,5	65	3		32-140-2 32-250-2	
3554G	without	4,91			4			
3556G	single-sided	3,78			3			
3558G	single-sided	5,04			4			
3560G	both sides	3,82			3			
3562G	both sides	5,09			4			
3564G	without	3,87	40 + 0,5		3		40-140-2 40-250-2	
3566G	without	5,15			4			
3568G	single-sided	3,96			3			
3570G	single-sided	5,28			4			
3572G	both sides	4,00			3			
3574G	both sides	5,33			4			
3576G	without	4,09	50 + 0,5		3		50-140-3 50-250-3	
3578G	without	5,46			4			
3580G	one-sided	4,19			3			
3582G	single-sided	5,58			4			
3584G	both sides	4,23			3			
3586G	both sides	5,64			4			
3588G	without	4,18	54 + 0,5		3		54-140-3 54-250-3 54-140-4 54-250-4	
3590G	without	5,58			4			
3592G	single-sided	4,28			3			
3594G	single-sided	5,70			4			
3596G	both sides	4,32			3			
3598G	both sides	5,76			4			
3600G	without	3,91	32 + 0,5	70	3		32-140-2 32-250-2	
3602G	without	5,22			4			
3604G	one-sided	4,01			3			
3606G	single-sided	5,34			4			
3608G	both sides	4,05			3			
3610G	both sides	5,39			4			
3612G	without	4,09	40 + 0,5		3		40-140-2 40-250-2	
3614G	without	5,46			4			
3616G	single-sided	4,19			3			
3618G	single-sided	5,58			4			
3620G	both sides	4,23			3			
3622G	both sides	5,64			4			
3624G	without	4,32	50 + 0,5		3		50-140-3 50-250-3	
3626G	without	5,76			4			
3628G	single-sided	4,41			3			
3630G	single-sided	5,89			4			
3632G	both sides	4,45			3			
3634G	both sides	5,94			4			
3636G	without	4,41	54 + 0,5		3		54-140-3 54-250-3 54-140-4 54-250-4	
3638G	without	5,88			4			
3640G	single-sided	4,51			3			
3642G	single-sided	6,01			4			
3644G	both sides	4,55			3			
3646G	both sides	6,06			4			



Without chamfer



One-sided chamfer



Chamfer on both sides

BGW- Shuttering profiles (for Filigree ceilings, Double walls, and Traunstein mobile silos)

BGW- stopend profiles for shuttering filigree ceiling slabs, double walls

With the sharp-edged BGW formwork profile, it is possible to fill concrete up to the upper edge of the formwork profile without any disruptive bending radius and to level the concrete surface.

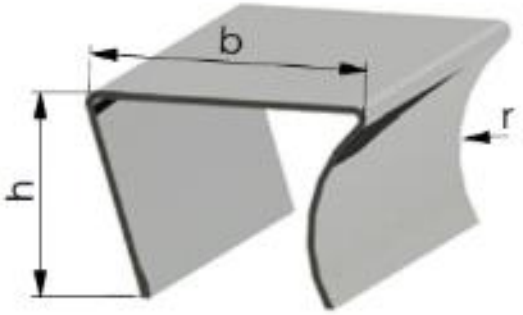
Alternatively, a three edge border can also be attached to the upper edge of the formwork profile. Profile length up to max. 4 meters.



BGW- shuttering profile for Traunstein mobile silo

This BGW formwork profile enables concrete walls with rounded corners to be produced. Concrete walls with rounded corners do not damage the tarpaulins, which means they remain in use for longer.

Profile length up to max. 4 meters. Profiles are folded from a single piece and planed flat.

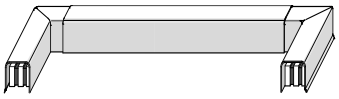


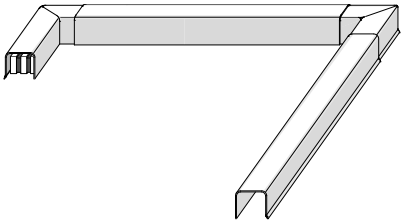
BGW bohr GmbH GERMAN QUALITY SINCE 1986

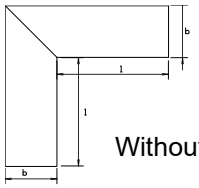
Corners 90° suitable for shuttering profiles (for slab/wall production) - height 60 mm

For formwork of:

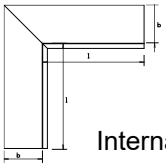
- Doors
- Windows
- Openings
- etc.



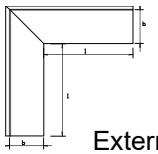




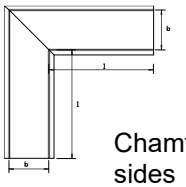
Without bevel



Internal chamfer



External chamfer



Chamfer on both sides

Item no.	Width	Height	Price
	b [mm]	h mm	€/meter
3640-120G-2F	60	120	52,10

Item no.	Width	Height	Curvature	Price
	b [mm]	h mm	r mm	€/meter
3655	112	80	56	60,00

Item no.	Bevel 10 x 45°	Leg length L [mm]	Internal width b [mm]	Height h mm	Wall thickness d mm	For magnet HM3	Price per piece
35000	Without	150	32 + 0,5	60	3	32-140-2 32-250-2	46,02
35001	Without	150	32 + 0,5	60	4		46,02
35002	Interior	150	32 + 0,5	60	3		46,02
35003	Interior	150	32 + 0,5	60	4		46,02
35004	Outside	150	32 + 0,5	60	3		46,02
35005	Outside	150	32 + 0,5	60	4		46,02
35006	both sides	150	32 + 0,5	60	3		46,02
35007	both sides	150	32 + 0,5	60	4		46,02
35008	without	150	40 + 0,5	60	3	40-140-2 40-250-2	46,02
35009	without	150	40 + 0,5	60	4		46,02
35010	inside	150	40 + 0,5	60	3		46,02
35011	inside	150	40 + 0,5	60	4		46,02
35012	outside	150	40 + 0,5	60	3		46,02
35013	outside	150	40 + 0,5	60	4		46,02
35014	both sides	150	40 + 0,5	60	3		46,02
35015	both sides	150	40 + 0,5	60	4		46,02
35016	without	150	50 + 0,5	60	3	50-140-3 50-250-3	46,02
35017	without	150	50 + 0,5	60	4		46,02
35018	inside	150	50 + 0,5	60	3		46,02
35019	inside	150	50 + 0,5	60	4		46,02
35020	outside	150	50 + 0,5	60	3		46,02
35021	outside	150	50 + 0,5	60	4		46,02
35022	both sides	150	50 + 0,5	60	3		46,02
35023	both sides	150	50 + 0,5	60	4		46,02
35024	without	150	54 + 0,5	60	3	54-140-3 54-250-3 54-140-4 54-250-4	46,02
35025	without	150	54 + 0,5	60	4		46,02
35026	inside	150	54 + 0,5	60	3		46,02
35027	inside	150	54 + 0,5	60	4		46,02
35028	outside	150	54 + 0,5	60	3		46,02
35029	outside	150	54 + 0,5	60	4		46,02
35030	both sides	150	54 + 0,5	60	3		46,02
35031	both sides	150	54 + 0,5	60	4		46,02

For heights of 65 and 70 mm, see page 2! Further dimensions are available on request!

Corners 90° suitable for shuttering profiles (for ceiling/wall production) - height 65 and 70 mm

For forming: - Doors, - Windows, - Openings

Item no.	Bevel 10 x 45°	Leg length L [mm]	B. inside [mm]	Height h mm	Wall thickness d mm	Magnet HM3	€/piece
35032	without	150	32 + 0,5	65	3	32-140-2 32-250-2	46,02
35033	without	150	32 + 0,5	65	4		46,02
35034	inside	150	32 + 0,5	65	3		46,02
35035	inside	150	32 + 0,5	65	4		46,02
35036	outside	150	32 + 0,5	65	3		46,02
35037	outside	150	32 + 0,5	65	4		46,02
35038	both sides	150	32 + 0,5	65	3		46,02
35039	both sides	150	32 + 0,5	65	4		46,02
35040	without	150	40 + 0,5	65	3	40-140-2 40-250-2	46,02
35041	without	150	40 + 0,5	65	4		46,02
35042	inside	150	40 + 0,5	65	3		46,02
35043	inside	150	40 + 0,5	65	4		46,02
35044	outside	150	40 + 0,5	65	3		46,02
35045	outside	150	40 + 0,5	65	4		46,02
35046	both sides	150	40 + 0,5	65	3		46,02
35047	both sides	150	40 + 0,5	65	4		46,02
35048	without	150	50 + 0,5	65	3	50-140-3 50-250-3	46,02
35049	without	150	50 + 0,5	65	4		46,02
35050	inside	150	50 + 0,5	65	3		46,02
35051	inside	150	50 + 0,5	65	4		46,02
35052	outside	150	50 + 0,5	65	3		46,02
35053	outside	150	50 + 0,5	65	4		46,02
35054	both sides	150	50 + 0,5	65	3		46,02
35055	both sides	150	50 + 0,5	65	4		46,02
35056	without	150	54 + 0,5	65	3	54-140-3 54-250-3 54-140-4 54-250-4	46,02
35057	without	150	50 + 0,5	65	4		46,02
35058	inside	150	50 + 0,5	65	3		46,02
35059	inside	150	50 + 0,5	65	4		46,02
35060	outside	150	50 + 0,5	65	3		46,02
35061	outside	150	50 + 0,5	65	4		46,02
35062	both sides	150	50 + 0,5	65	3		46,02
35063	both sides	150	50 + 0,5	65	4		46,02
35064	without	150	32 + 0,5	70	3	32-140-2 32-250-2	46,02
35065	without	150	32 + 0,5	70	4		46,02
35066	inside	150	32 + 0,5	70	3		46,02
35067	inside	150	32 + 0,5	70	4		46,02
35068	outside	150	32 + 0,5	70	3		46,02
35069	outside	150	32 + 0,5	70	4		46,02
35070	both sides	150	32 + 0,5	70	3		46,02
35071	both sides	150	32 + 0,5	70	4		46,02
35072	without	150	40 + 0,5	70	3	40-140-2 40-250-2	46,02
35073	without	150	40 + 0,5	70	4		46,02
35074	inside	150	40 + 0,5	70	3		46,02
35075	inside	150	40 + 0,5	70	4		46,02
35076	outside	150	40 + 0,5	70	3		46,02
35077	outside	150	40 + 0,5	70	4		46,02
35078	both sides	150	40 + 0,5	70	3		46,02
35079	both sides	150	40 + 0,5	70	4		46,02
35080	without	150	50 + 0,5	70	3	50-140-3 50-250-3	46,02
35081	without	150	50 + 0,5	70	4		46,02
35082	inside	150	50 + 0,5	70	3		46,02
35083	inside	150	50 + 0,5	70	4		46,02
35084	outside	150	50 + 0,5	70	3		46,02
35085	outside	150	50 + 0,5	70	4		46,02
35086	both sides	150	50 + 0,5	70	3		46,02
35087	both sides	150	50 + 0,5	70	4		46,02
35088	without	150	54 + 0,5	70	3	54-140-3 54-250-3 54-140-4 54-250-4	46,02
35089	without	150	54 + 0,5	70	4		46,02
35090	inside	150	54 + 0,5	70	3		46,02
35091	inside	150	54 + 0,5	70	4		46,02
35092	outside	150	54 + 0,5	70	3		46,02
35093	outside	150	54 + 0,5	70	4		46,02
35094	both sides	150	54 + 0,5	70	3		46,02
35095	both sides	150	54 + 0,5	70	4		46,02

BGW bohr GmbH GERMAN QUALITY SINCE 1986

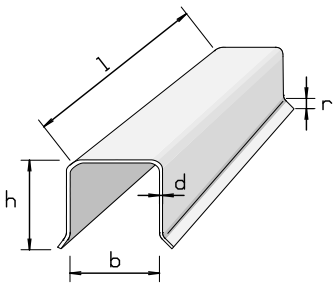
BGW- U-profiles in special heights

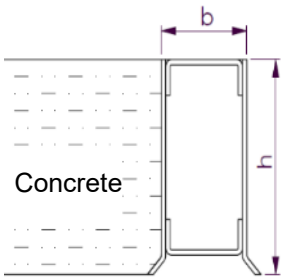
- for formwork of filigree ceiling slabs, Double walls higher than 80 mm

BGW formwork profiles are available in different versions depending on the intended use. The planed version has the advantage that manufacturing-related unevenness on the contact surface is eliminated, preventing concrete from entering the profile. Profiles with chamfers have the advantage of facilitating formwork removal and preventing brittle corners on the precast concrete element. All formwork profiles are available without chamfers, with chamfers on one side, or with chamfers on both sides. On request, cross braces can be inserted into the profiles to achieve the necessary rigidity.

BGW- U-profiles in special heights
Profiles in different heights and dimensions are available on request.

Item no.	Internal width b [mm]	Height h mm	Wall thickness d mm	Fiber	for magnet HM3	Price €/piece
	32 + 0,5	85	3	10 x 45°	32-140-2 32-250-2	Prices on request
			4			
	40 + 0,5		3		40-140-2 40-250-2	
			4			
	50 + 0,5		3		50-140-3 50-250-3	
			4			
	54 + 0,5		3		54-140-3, 54-250-3 54-140-4, 54-250-4	
			4			
	32 + 0,5	100	3		32-140-2 32-250-2	
			4			
	40 + 0,5		3		40-140-2 40-250-2	
			4			
	50 + 0,5		3		50-140-3 50-250-3	
			4			
	54 + 0,5		3		54-140-3, 54-250-3 54-140-4, 54-250-4	
			4			
	32 + 0,5	150	3		32-140-2 32-250-2	
			4			
	40 + 0,5		3		40-140-2 40-250-2	
			4			
	50 + 0,5		3		50-140-3 50-250-3	
			4			
	54 + 0,5		3		54-140-3, 54-250-3 54-140-4, 54-250-4	
			4			
	32 + 0,5	200	3		32-140-2 32-250-2	
			4			
	40 + 0,5		3		40-140-2 40-250-2	
			4			
	50 + 0,5		3		50-140-3 50-250-3	
			4			
	54 + 0,5		3		54-140-3, 54-250-3 54-140-4, 54-250-4	
			4			





BGW- holding magnets type HM4 for fixing threaded anchors to the steel formwork on steel formwork

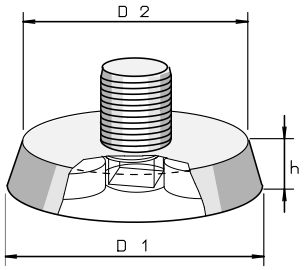
- **with interchangeable threaded pins**

These BGW magnetic holders are specially designed for attaching Transport anchors to steel formwork. Unlike the magnetic holders previously used for this purpose, the neodymium magnets used here provide a very high adhesive force even in small spaces. Different plate heights or∅ are available on request. Threaded pins are either replaceable or welded in. The adhesive force can be retrofitted if necessary. BGW magnetic holding systems for fixing transport anchors are an important component of the BGW transport anchor system.
BGW magnetic holding discs are therefore dimensionally accurate and precisely fitted only for our lifters and Stainless steel locking screws, so that if other, non-BGW components are used, the system compatibility is lost and the warranty for the complete transport anchor system expires.

BGW- holding magnet type HM4 with replaceable threaded pin (and retaining ring/Seeger ring)

Item no.	Threaded pin	Adhesive force kg	D 1 mm	D 2 mm	Height h mm	€/piece
HM4-3 M 8	M8	60	65	60	12	72,00
HM4-3 M10	M10					
HM4-3 M12	M12					
HM4-3 M14	M14					
HM4-3 M16	M16					
HM4-3 M18	M18					
HM4-3 M20	M20					
HM4-3 M24	M24					
HM4-6 M 8	M8	120	65	60	12	85,00
HM4-6 M10	M10					
HM4-6 M12	M12					
HM4-6 M14	M14					
HM4-6 M16	M16					
HM4-6 M18	M18					
HM4-6 M20	M20					
HM4-6 M24	M24					

Note: We insert each magnet individually into a precise recess to prevent the entire system from being severely weakened if a single magnet breaks.

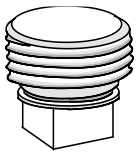


BGW- threaded stud for HM4

The magnetic plate is supplied with a threaded pin of a specific size, but it can also be used in conjunction with other sizes. To achieve a certain degree of flexibility, this threaded pin can also be ordered separately from the magnetic plate. A retaining ring, which is used to attach the pin to the underside of the plate, allows the threaded pins to be easily replaced.

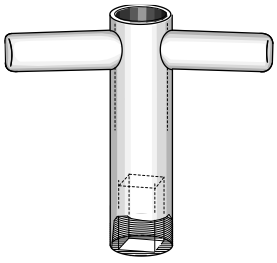


Item no.	Thread	€/piece
56131-08	M8	6,50
56153	M10	6,50
56131	M12	6,50
56132	M14	6,50
56133	M16	6,50
56134	M18	6,50
56135	M20	6,50
56136	M24	6,50



BGW- Key for HM4

This is a square key used to screw the threaded pin
of the HM4 holding magnet into the Internal thread of the anchor.
After concreting, the magnet is removed from the hard concrete by turning it counterclockwise.



Item no.	Description	€/piece
SchlüsselHM4	Square wrench	6,14

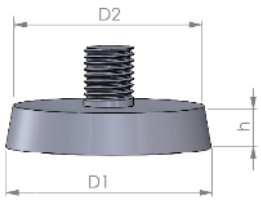
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- holding magnets type HM4 for fixing Threaded anchors

BGW- Stainless steel threaded locking screw for HM4

Item no.	Thread-Pin	D 1 mm	D 2 mm	Height h mm	Price €/piece
0900-08-E	M8	64,5	59,5	12	55,00
0900-10-E	M10				55,00
0900-12-E	M12				55,00
0900-14-E	M14				55,00
0900-16-E	M16				55,00
0900-18-E	M18				55,00
0900-20-E	M20				55,00
0900-24-E	M24				55,00
0900-30-E	M30				55,00





BGW- Stainless steel sealing disc for type HM4 for gluing (fastening with silicone)

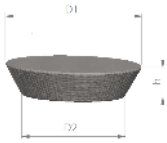
Item no.	Concrete cover d mm	Ø D1 mm	Price €/piece
0911	2	46	8,00
09111	2	53	
09113	2	64	



BGW- Closing disc made of glass fiber concrete for type HM4 for gluing (fastening with silicone)

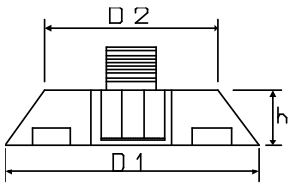
Item no.	Ø D1 mm	Ø D2 mm	Height h mm	Price €/piece
HM4-3-VSF	64	59	11	2,10





BGW- holding magnets type HM4 with welded-in threaded pin (a 10 mm hex key is used for this)

Item no.	Threaded pin	Adhesive force kg	D 1 mm	D 2 mm	h mm	€/piece
HM4-3 M 8-1	M8	60	65	60	12	72,00
HM4-3 M10-1	M10					
HM4-3 M12-1	M12					
HM4-3 M14-1	M14					
HM4-3 M16-1	M16					
HM4-3 M18-1	M18					
HM4-3 M20-1	M20					
HM4-3 M24-1	M24					
HM4-3 M30-1	M30					
HM4-3 M36-1	M36					
HM4-3 M42-1	M42					
HM4-3 M52-1	M52					
HM4-6 M 8-1	M8	120	65	60	12	85,00
HM4-6 M10-1	M10					
HM4-6 M12-1	M12					
HM4-6 M14-1	M14					
HM4-6 M16-1	M16					
HM4-6 M18-1	M18					
HM4-6 M20-1	M20					
HM4-6 M24-1	M24					
HM4-6 M30-1	M30					
HM4-6 M36-1	M36					
HM4-6 M42-1	M42					
HM4-6 M52-1	M52					





Note: We insert each magnet into a precise countersink individually to prevent the entire system from being severely weakened if an individual magnet breaks.

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Weld-in set for HM4 (for screwing onto threaded anchors)

consisting of Threaded pin and Threaded bushing

Threaded pin		Threaded bushing			Price €/piece
Item no.	Size	Item no.	Thread size	Ø inside [mm]	
56259	M 6x16	-	M8	6	4,03
		569701	M10		4,16
561312	M 8x15	569702	M12	8	4,42
561311	M12x16 Ø 8,5 mm	-	M14	9	4,68
		5696	M16		4,94
		-	M18		5,20
		56961	M20		5,46
56260	M 12x16	56962	M24	12	5,72
		56963	M30		7,28
562432	M 16x25	56965	M36	16	10,92
		56966	M42		16,64
		56967	M52		27,30



Threaded bushing and weld-in stud

BGW- holding magnets type HM4 with welded-in threaded pin for a 24 mm socket wrench (for absorbing higher torque)

Item no.	Thread-stud	Adhesive force kg	D 1 mm	D 2 mm	Height h mm	Price €/piece
HM4-8-10	M24 - 52	120	100	96	22	130,00
HM4-12-10	M24 - 52	180	100	96		159,00
HM4-8-20	M24 - 52	120	113	110	15	132,00
HM4-12-20	M24 - 52	180	113	110		161,00
HM4-12-30	M56 - 60	180	127	122	15	170,00



Replaceable threaded pin - Welding set consisting of:

Hexagonal screw		Threaded bushing				Price €/piece
Item no.	Size	Item no.	Thread size	Ø inside [mm]	Concrete cover mm	
5622421	M 12 x 16	56962	M24	12	15	4,40
		56963	M30	12	15	5,60
5624320	M 16 x 20	56963	M30	16	15	5,60
		56963	M36	16	15	8,40
		56966	M42	16	15	12,80
		56967	M52	16	15	21,00
562432	M 16 x 25	56963	M30	16	22	8,40
		56965	M36	16	22	10,92
		56966	M42	16	22	16,64
		56967	M52	16	22	27,30

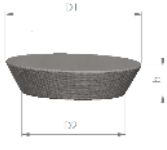




BGW- Closing disc made of glass fiber concrete for type HM4 with welded threaded pin for gluing (fastening with silicone)

Item no.	Ø D1 mm	Ø D2 mm	Height h mm	Price €/piece
HM4-3-VSF	64	59	11	2,10





BGW- Closing disc made of glass fiber concrete for type HM4 with welded threaded stud for a 24 mm socket wrench (for absorbing greater torque) for gluing in place (fastening with silicone)

Item no.	Ø D1 mm	Ø D2 mm	Height h mm	Price €/piece
HM4-10-VSF	99	95	21	16,46
HM4-20-VSF	112	109	14	18,92
HM4-30-VSF	126	121	14	23,92

BGW- HM4-B Magnetic recessed body for the BGW- concrete thread

Ø 14 for railing installation
– with two or more threaded pins for setting in concrete

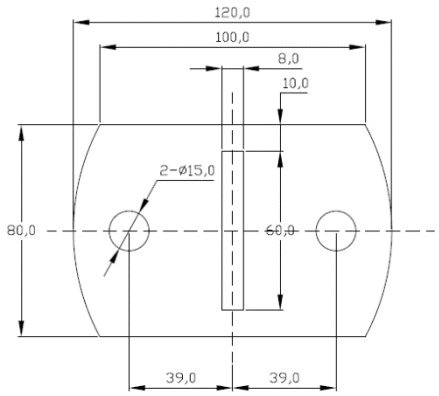
Intermediate plate, support plate for mounting railings, etc.

These intermediate plates are for flanging to the support head and support foot of standard angle supports, so that the support can then be fastened to the floor slabs, if these are provided, and to the wall using two concrete screws, code 563073.

For the fastening diagrams for railing fastening, we would need the exact dimensions of the holes in the flange plate from the customer.

Item No.	Ge-winch Ø mm	Threaded hole up to depth mm	Plate dimensions mm	Slotted holes mm	BGW Concrete screws	flat head screw with nut mm	PU	Weight piece kg	Price Piece €
HM4-B-14-2	14	100	200 x 60 x 12 Intermediate plate	50 x 15	Code 563073	M12 x 30 mm	20	0,970	75,00
HM4-B-14-2/2	14	100	130 x 90 x 15 Railings mounting	Round holes Ø 15	563073		20	1,4	85,00













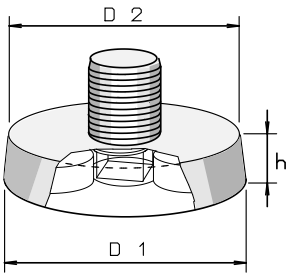
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- holding magnets type HM4 for fixing Threaded anchors

on steel formwork, suitable for Pfeifer system

BGW- holding magnets type HM4 suitable for Pfeifer system

Item no.	Thread	Adhesive force kg	D 1mm	D 2mm	h mm	€/piece
HM4-P-10	M10	50	50,5	47	10	65,90
HM4-P-12	M12	50	50,5	47		65,90
HM4-P-14	M14	50	55,5	52		65,90
HM4-P-16	M16	50	59,2	56		65,90
HM4-P-18	M18	50	62,5	59		65,90
HM4-P-20	M20	100	73,5	70		81,24
HM4-P-24	M24	150	78,2	74	12	81,24
HM4-P-30-1	M30	150	93,2	89	12	120,00
HM4-P-36-1	M36	200	105,2	100	12	170,00
HM4-P-42-1	M42	200	115,3	109	12	170,00
HM4-P-52-1	M52	200	135,5	129	12	170,00





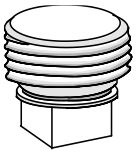
HM4-F Holding magnet with replaceable Threaded pin and ferrite magnets

Item no.	Threaded pin	Adhesive force kg	D1/mm	D2/mm	Height/mm	Price €/piece
HM4-F	M8-24	10	52	50	11	38,00

BGW- threaded stud for HM4

The magnetic plate is supplied with a threaded pin of a specific size, but it can also be used in conjunction with other sizes. To achieve a certain degree of flexibility, this threaded pin can also be ordered separately from the magnetic plate. A retaining ring, which is used to attach the pin to the underside of the plate, allows the threaded pins to be easily replaced.

Item no.	Thread	€/piece
56131-08	M8	6,50
56153	M10	6,50
56131	M12	6,50
56132	M14	6,50
56133	M16	6,50
56134	M18	6,50
56135	M20	6,50
56136	M24	6,50



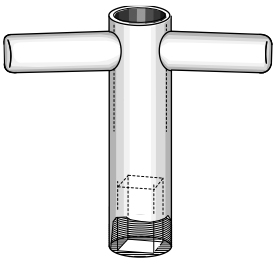
BGW- Key for HM4

This is a square key used to screw the threaded pin
of the HM4 holding magnet into the Internal thread of the anchor.
After concreting, the magnet is removed from the hard concrete by turning it to the left.

Item no.	Description	€/piece
SchlüsselHM4	Square wrench	6,14

BGW- holding magnets type HM4 with welded-in threaded pin for a 24 mm socket wrench (for greater torque)

Item no.	Thread	Adhesive force kg	D 1 mm	D 2 mm	Height h mm	Price €/piece
HM4-P-30	M30	150	94,2	90	12	106,81
HM4-P-36	M36	150	105,2	101		109,36
HM4-P-42	M42	200	115,3	110	15	110,18
HM4-P-52	M52	200	135,3	130		117,03



Replaceable threaded pin for 24 mm socket wrench: Welding set

Hexagonal screw		Threaded bushing			Price
Item no.	Size	Item no.	Thread size	Ø inside [mm]	€/piece
5624320	M 16 x 20	56964	M30	16	5,60
		56965	M36		8,40
		56966	M42		12,80
		56967	M52		21,00

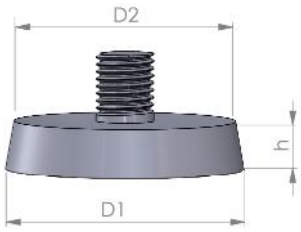
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- screw plug with thread (for screwing onto threaded anchors) made of Stainless steel for HM4-P

Item no.	Thread Rd or M	D 1 mm	D 2 mm	Height h mm	Price €/piece
HM4-P-12VE	12	49,5	46	10	18,75
HM4-P-14VE	14	54,5	51		23,20
HM4-P-16VE	16	58,2	55		25,30
HM4-P-18VE	18	61,5	58		28,80
HM4-P-20VE	20	72,5	69		33,65
HM4-P-24VE	24	77,2	73	12	42,85
HM4-P-30VE	30	93,2	89		51,95
HM4-P-36VE	36	104,2	100		65,15
HM4-P-42VE	42	114,3	109	15	78,15
HM4-P-52VE	52	134,3	129		101,45

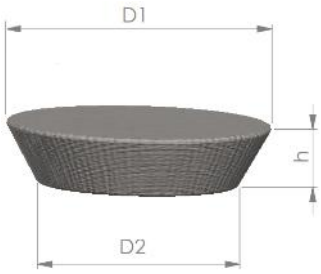






BGW- Closing disc made of glass fiber concrete for type HM4-P, suitable for Pfeifer system for gluing in place (fastening with silicone)

Item no.	Ø D1 mm	Ø D2 mm	Height h mm	Price €/piece
HM4-P-12-VSF	49,5	46	9	3,96
HM4-P-14-VSF	54,5	51	9	4,76
HM4-P-16-VSF	58,2	55	9	5,66
HM4-P-18-VSF	61,5	58	9	6,15
HM4-P-20-VSF	72,5	69	9	7,88
HM4-P-24-VSF	77,2	73	11	9,25
HM4-P-30-1-VSF	92,2	88	11	13,26
HM4-P-36-1-VSF	104,2	99	11	16,25
HM4-P-42-1-VSF	114,3	108	11	19,62
HM4-P-52-1-VSF	134,5	128	11	27,32



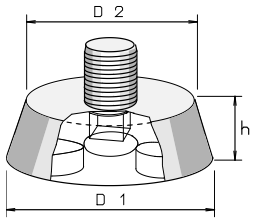


Note: We insert each magnet individually into a precise recess to prevent the entire system from being severely weakened if a single magnet breaks.

BGW- holding magnets type HM4-D for fixing threaded anchors to the steel formwork , suitable for DEHA perfect head

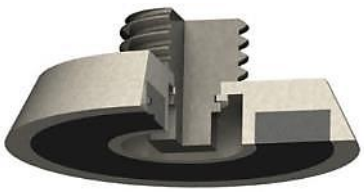
BGW- holding magnet type HM4-D suitable for DEHA perfect head with replaceable Threaded pin (and retaining ring/Seeger ring):

Item no.	Thread	Adhesive force kg	D1 mm	D2 mm	Height h mm	Price €/piece
HM4-D-45/10M16	M16	100	55	45	10	76,13
HM4-D-45/10M20	M20	100	55	45	10	76,13
HM4-D-45/10M24	M24	100	55	45	10	76,13

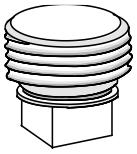


BGW- threaded stud for HM4

The magnetic plate is supplied with a threaded pin of a specific size, but it can also be used in conjunction with other sizes. To achieve a certain degree of flexibility, this threaded pin can also be ordered separately from the magnetic plate. A retaining ring, which is used to attach the pin to the underside of the plate, allows the threaded pins to be easily replaced.

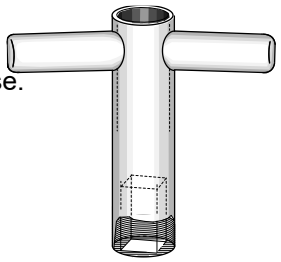


Item no.	Thread	€/piece
56135	M20	6,50
56136	M24	6,50



BGW- Key for HM4

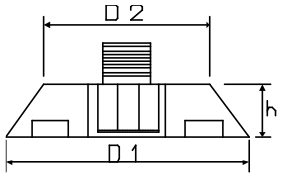
This is a square key used to screw the threaded pin
of the HM4 holding magnet into the Internal thread of the anchor.
After concreting, the magnet is removed from the hard concrete by turning it counterclockwise.



Item no.	Description	€/piece
SchlüsselHM4	Square wrench	6,14

With welded threaded pin for Allen key:
(an Allen key Ø5 mm is used for this)

Item no.	Thread	Adhesive force kg	D1 mm	D2 mm	Height h mm	Price €/piece
HM4-D-30/10M12-1	M12	50	40	30	10	65,90
HM4-D-30/10M16-1	M16	50	40	30	10	65,90
HM4-D-45/10M16-1	M16	100	55	45	10	65,90



(an Allen key Ø10 mm is used for this)

Item no.	Thread	Adhesive force kg	D1 mm	D2 mm	Height h mm	Price €/piece
HM4-D-45/10M20-1	M20	100	55	45	10	76,13
HM4-D-45/10M24-1	M24	100	55	45	10	76,13
HM4-D-60/10M30-1	M30	120	70	60	10	110,18
HM4-D-60/10M36	M36	120	70	60	10	110,18
HM4-D-85/10M42	M42	120	95	85	10	150,00
HM4-D-85/10M52	M52	120	95	85	10	150,00

BGW – Stainless steel locking disc for HM4-D on request

BGW- holding magnets type HM4-D (for screwing onto Threaded anchors)

Replaceable threaded pin for Allen key - Welding set consisting of:

Item no.	Threaded pin	Item no.	Threaded bushing	Ø inside (mm)	Price €/piece
56393	M6 x 16	569701	M10	6	3,20
		569700	M12		3,40
		569610	M16		3,80
561311	M12 x 16 Ø 8,5 mm	56961	M20	9	4,20
		56962	M24		4,40
56260	M12 x 16	56963	M30	12	5,60
		56965	M36		8,40
5624320	M16 x 20	56966	M42	16	12,80
		56967	M52		21,00

Spare parts/repair accessories for HM4, HM5

Item no.	Description	€/piece
54006	Neodymium magnet N40 Ø19.5x7	5,57
80019-1	Adhesive, high strength, 10 ml	14,50



Closing disc made of glass fiber concrete for type HM4-D, suitable for DEHA perfect head with replaceable threaded pin

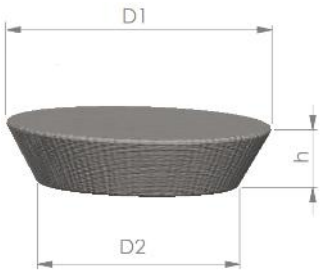
Item no.	Ø D1 mm	Ø D2 mm	Height h mm	Price €/piece
HM4-D-VSF	54	44	9	4,35



Closing disc made of glass fiber concrete for type HM4-D Adhesive magnet with replaceable threaded pin and ferrite magnets

Item no.	Ø D1 mm	Ø D2 mm	Height h mm	Price €/piece
HM4-D-30-VSF	39	29	9	1,54
HM4-D-VSF	54	44	9	4,35
HM4-D-60-VSF	69	59	9	6,45
HM4-D-85-VSF	94	84	9	11,36





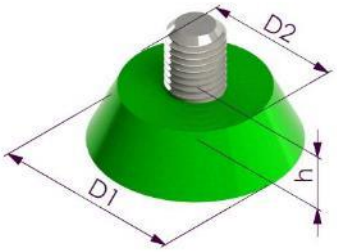
Note: We insert each magnet individually into a precise recess to prevent the entire system from being severely weakened if a single magnet breaks.

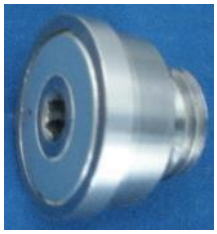
BGW- holding magnets type HM4 for fixing threaded anchors to the steel formwork

BGW- holding magnets type HM4 made of PU

These magnets are used specifically for attaching threaded transport anchors to steel formwork. The neodymium magnets used achieve a high Adhesive force in a small space. Different heights or diameters of the plate are available on request.

Item no.	Thread -pin	Adhesive force kg	D 1 mm	D 2 mm	Height mm	Price €/piece
HM4-8-1PU	M8	35	40	30	12	84,00
HM4-10-1PU	M10					
HM4-12-1PU	M12					
HM4-14-1PU	M14					
HM4-16-1PU	M16					
HM4-18-1PU	M18					
HM4-20-1PU	M20					
HM4-24-1PU	M24					
HM4-30-1PU	M30					
HM4-36-1PU	M36					
HM4-42-1PU	M42					
HM4-52-1PU	M52					





BGW- Holding magnet HM4 - Holding plug made of steel, magnetic, Galvanised (for Allen key size 6) For recessed installation of threaded anchors for higher corrosion protection or higher concrete cover

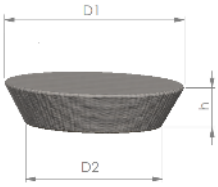
Item no.	Thread M	Concrete Coverage d mm	Ø D1 mm	Allen mm	Weight kg	Adhesive force kg	PU	Price €/piece
56601	M12	15 mm	Ø27	6	0,075	30	1	48,00
56611	M16	15 mm	Ø27	6	0,082	30	1	48,00
56621	M20	15 mm	Ø27	6	0,102	30	1	48,00
56631	M24	15 mm	Ø27	6	0,123	30	1	48,00
56641	M30	20 mm	Ø48	10	0,270	120	1	105,00



Closing disc made of glass fiber concrete for type HM4 made of PU

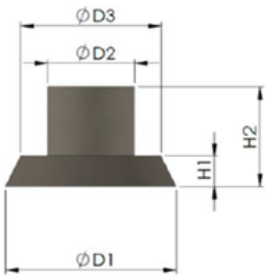
Item no.	Ø D1 mm	Ø D2 mm	Height h mm	Price €/piece
HM4-1PU-VSF	39	29	11	1,89





Concrete plugs for gluing in

Item no.	Ø D1 mm	h1 mm	Ø D2 mm	H2 mm	Ø D3 mm	PU	Price €/piece	For item no.:
56640V	26,5	14,5			25,5	100	3,20	56601/56611/56621/56631
56641V	48	6	41	19	47	100		56641



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- holding magnet HM4 with stepped pin for attaching plastic dowels/ fixing during concreting

Magnetic holder for grouting dowels

The fit of the plug-in pins is adjusted to the dowels.
The pin must be greased before attaching the dowel or to make it easier to remove the magnet.

Item no.	Pin Ø mm	Length mm	Adhesive force kg	Concrete Coverage	Magnetic disc D1 D2 mm	Price €/piece
HM4-3-Stufenstift	11 x 9	38	60	12	65 x 60	80,00
HM4-6-Stufenstift	11 x 9	38	120	12	65 x 60	93,00



BGW- HM4 holding magnet with Dywidag thread

The BGW- HM4 holding magnet with Dywidag thread is specially designed for attaching anchor sleeves to steel formwork. The magnets are available with different thread lengths so that any type of anchor sleeve can be securely fastened. Different heights or diameters of the plate are available on request. The Adhesive force can be retrofitted if necessary. The welded Threaded pin can be easily and conveniently released from the Formwork using a 10 mm Allen key.

Item no.	Thread DW Ø mm	Thread length mm	Adhesive force kg	Concrete Coverage	D 1 mm	D 2 mm	Height h mm	Price €/piece
HM4-3 Dywidag-K	15	20	60	12	65	60	32	83,00
HM4-3 Dywidag-L	15	60	60	12	65	60	72	83,00
HM4-6 Dywidag-K	15	20	120	12	65	60	32	97,00
HM4-6 Dywidag-L	15	60	120	12	65	60	72	97,00



Spare parts for HM4-Dywidag

Cylinder screw		Threaded bushing				Price €/piece
Item no.	Size	Item no.	Thread size	Thread length	Ø inside	
561311	Ø8,5x16	569703	DW Ø 15 mm	20 mm	9 mm	4,50
561312	M8x15	569704		60 mm	M8	5,50

Note: We insert each magnet individually into a precise recess to prevent the entire system from being severely weakened if a single magnet breaks.

BGW- HM4 adhesive magnet for plastic grout anchors

Item no.	Thread	Adhesive force kg	Concrete Coverage	D 1 mm	D 2 mm	Height h mm	Price €/piece
HM4-3 M20	M20	60	12	65	60	12	72,00
HM4-6 M20	M20	120	12	65	60	12	85,00

BGW- Plastic grouting dowel

Another advantage of the BGW plastic grouting dowel is that it can be securely fixed to the Formwork using a Threaded pin and magnets. On the construction site, the support can be fastened using wood screws.

Item no.	Thread	Wood screw	Ø	Extraction value Concrete	Height mm	Price €/piece
51200	M20	Ø12	40	0,8t	57	





BGW- Hexagonal wood screw DIN 571

Item no.	Thread	Length mm	Weight kg / 100 pieces	Price €/100 pieces
56273	M12	70	6,360	27,00
561781	M12	80		29,00
561782	M12	100		32,00

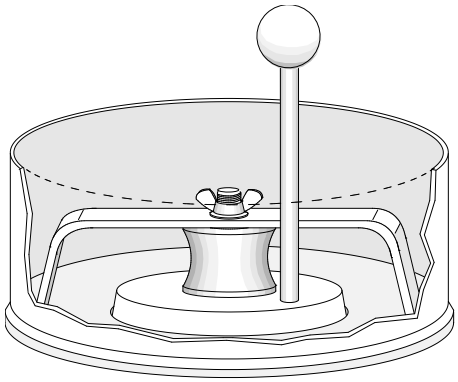
BGW- holding magnet type HM4-R for securing HD/KG pipes on steel formwork

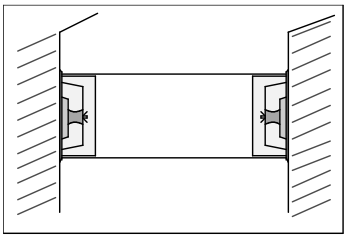
These BGW magnetic holders are specially designed for attaching HT and KG pipes to steel formwork. Areas of application: shaft bases, ceilings, walls, trusses, etc.

The socket plug is positioned on the formwork using the magnet. The corresponding HT or KG pipe is attached, the precast part is concreted, and the hardened concrete part is lifted off the formwork. The magnet can now be removed again using the lever. The built-in rubber buffer absorbs forces applied to the formwork and magnet.

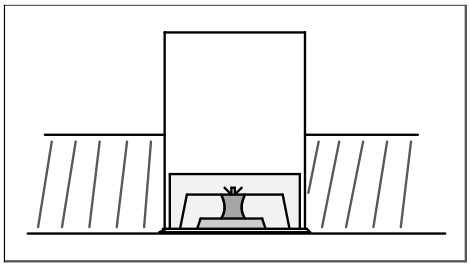
BGW- holding magnet type HM4-R incl. sleeve plug

Item no.	for pipes Ø mm	Adhesive force kg	Price €/piece
HM4-R-3-40	40	50	71,00
HM4-R-3-50	50	50	71,00
HM4-R-3-70	70	50	71,00
HM4-R-3-125	125	50	71,00
HM4-R-3-150	150	50	71,00
HM4-R-6-70	70	100	81,24
HM4-R-6-100	100	100	81,24
HM4-R-6-125	125	100	81,24

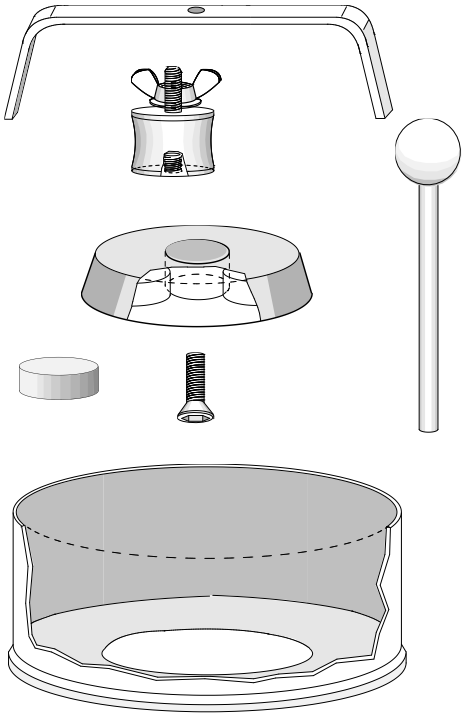




With standing formwork, the opening is secured with 2 magnets



Installation example



Spare parts / Accessories

Item no.	Description	Dimensions	€/piece
	Ablösehebel		
56337	Flügelmutter	M8	
	Bügel	Breite 60	
	Spannelement	M8	
56138	Magnetteller mit 3 Löchern	outer ∅ 65	
56130	Magnetteller mit 6 Löchern	outer ∅ 65	
54006	Magneteinsatz aus NE 35	∅ 19,5 x 7	5,57
	Inbusschraube	M8	
56490	Muffenstopfen mit Loch, für	∅ 70	
56491	Muffenstopfen mit Loch, für	∅ 100	
56492	Muffenstopfen mit Loch, für	∅ 125	
56493	Muffenstopfen mit Loch, für	∅ 150	

Note: We insert each magnet individually into a precise recess to prevent the entire system from being severely weakened if a single magnet breaks.

BGW- holding magnet type HM4-13, double-sided magnetic holder for Threaded anchors

The BGW- holding magnet type HM4-13 is particularly suitable for the automated setting of threaded sleeves in feeding systems and for placing them on steel formwork.



Before use, this double-sided magnetic retaining disc must be waxed thoroughly with a release agent. The threaded sleeve is placed with the slightly greased thread on the protruding pin of the double-sided magnetic retaining disc until it rests on the back of the magnetic retaining disc. The threaded sleeve seals with its front side on the double-sided magnetic retaining disc and is held in place by the magnetic adhesive force when loading the feeding system, placing it on the steel formwork, and concreting.

The highest adhesion of the threaded sleeve is achieved when there is a flange (or Nail plates) on the front side of the threaded sleeve that rests on the back of the magnet of the Retaining discs. The magnetic retaining disc is placed on the steel formwork with the magnetically adhering threaded sleeve and held securely during the concreting process.

This magnetic retaining disc is removed from the threaded sleeve embedded in concrete either by allowing a ferromagnetic material to adhere to the front of the magnetic retaining disc and thus removing the magnet body from the threaded sleeve, or another option is to blow compressed air into the central hole in the front of the retaining disc, which pushes the retaining disc out of the still fresh concrete.
When ordering such double-sided magnetic retaining discs, please always specify whether you would like them with compressed air ejection.

BGW- holding magnet type HM4-13

Item no.	Ø Retaining disc mm	Height of retaining discs mm	Spigot for thread	Adhesive force Retaining discs kg	Adhesive force Sleeve side kg	Compressed air ejection	Weight kg/piece	Price €/piece
HM4-13M1240	49	10	M12	100	15	Yes / No	0,160	85,00
HM4-13M1640	49	10	M16	100	15	Yes / No	0,160	85,00
HM4-13M1655	55	10	M16	100	15	Yes / No	0,160	85,00
HM4-13M2055	55	10	M20	100	15	Yes / No	0,160	85,00
HM4-13M2455	55	10	M24	100	15	Yes / No	0,160	85,00
HM4-13M3055	55	10	M30	100	15	Yes / No	0,160	85,00





BGW- Fixing socket with retaining plate and shaft end – Galvanised

Item no.	Load stage t	Type dxh mm	d Sleeve mm	Maximum screw-in depth mm	P mm	Pd mm	g mm	PU Piece	Weight kg/piece	Price €/piece
0711NP	0,50	M 12 x 60	17,0	30	40	1-2	15	250	0,06	1,11
0714NP	1,00	M16 x 80	21,3	40	44	1-2	22	200	0,12	1,25
0716NP	1,25	M20 x 100	26,9	45	48	1-2	22	100	0,16	2,05

BGW- HM4-13 magnetic holder for fixing sleeve anchors (Threaded anchors)
for attaching to the centering mandrel.

The steel sleeve anchor is held in place at the front by the magnetic adhesive force of the double-sided magnet system. The back of the magnet system is also magnetic and is attached to the steel formwork with the sleeve anchor already attached. During both attachment processes, always ensure that your fingers do not get caught between the magnet system and the attachment point.

Item No.	Marking Mandrel for thread	Adhesive force Formwork side	Adhesive force Sleeve side	D 1 Ø Formwork side	D 2 Ø Sleeve side	Height mm	Price €
HM4-13-12	12mm	60	6 kg	65	60	12	87
HM4-13-14	14mm	60	7 kg	65	60	12	87
HM4-13-16	16mm	60	10 kg	65	60	12	90
HM4-13-18	18mm	60	12 kg	65	60	12	94
HM4-13-20	20mm	120	12 kg	65	60	12	105
HM4-13-24	24mm	120	18 kg	65	60	12	108
HM4-13-30	30mm	120	25 kg	93	89	12	115
HM4-13-36	36mm	200	30 kg	105	100	12	195
HM4-13-42	42mm	200	40 kg	115	109	12	199
HM4-13-52	52mm	200	50 kg	135	129	12	220



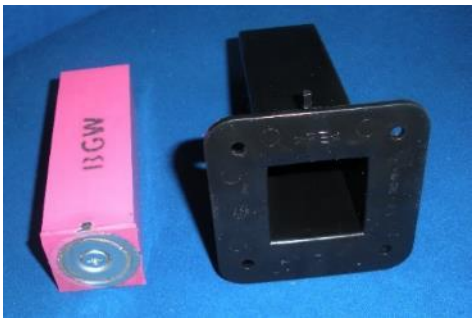


BGW- holding magnet type HM4 for holding scaffolding sleeves
on steel formwork



The magnet body, protected with a release agent, is pushed into the opening of the scaffolding sleeve.
To prevent the scaffolding sleeve containing the magnet from floating during concreting and to prevent concrete from entering the scaffolding sleeve, the front end must be sealed with thin adhesive tape.
The last two digits of the item number indicate the dimensions of the square section of the magnet body.

Item no.	Adhesive force kg	Square	PU	Model	Weight kg/piece	€/piece
HM4G25/25	25	25 x 25	10	ETN		65
HM4G25/15	15	25 x 25	10	ETN		45
HM4G26/25	25	26 x 26	10	Stingl		65
HM4G26/15	15	26 x 26	10	Stingl		45
HM4G30/40	40	30 x 30	10	ETN		80
HM4G30/35	35	30 x 30	10	ETN		60
HM4G31/40	40	31 x 31	10	Hilti		80
HM4G31/35	35	31 x 31	10	Hilti		60



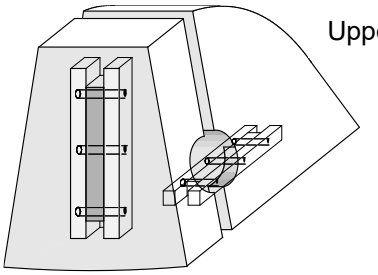


BGW- shaft magnet (pocket former) , for holding concrete loops

for installing Transport anchors such as concrete loops, stirrups, etc.

PU recessed body, magnetic

Magnetic recessed body for fixing transport loops or transport brackets during concrete shaft production.



Upper part

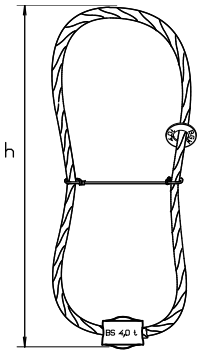
Lower part

Shaft magnet

Item no.	Description	€/piece
Schachtmagnet	Recess body, 2-piece	76,69



Concrete loop made of wire rope, Galvanised

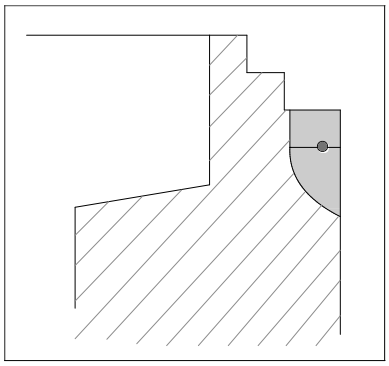


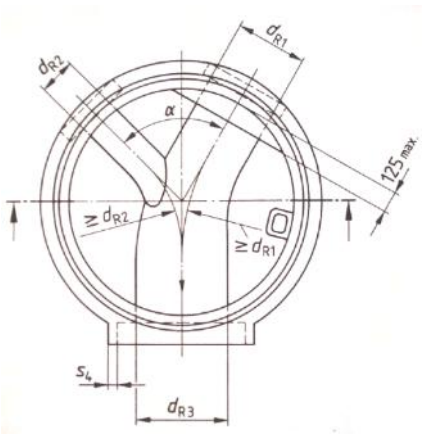
Item no.	Load level	rope ∅	€/piece
4508	2,5 t	10 mm	2,90
4510	4,0 t	12 mm	4,10

Installation instructions:

Spray formwork and recess body with release agent
Place the lower part of the magnetic recessed body (small, rectangular) on the socket side or on the shaft floor
Insert the rope or transport bracket into the recess provided and attach it to the Reinforcement
Place the second half of the recess body (round) on the first half and position it on the formwork shell with the magnet so that the transitions are smooth
After concreting and hardening, pull the shaft and remove the recess body

Install 3 recess bodies per sleeve (divide the circumference of the shaft base into thirds) or determine the center of gravity.

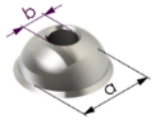




Installation example in shaft bottom DIN 1

BGW- holding magnet type HM5 - ball head anchor accessories

Round steel pocket former, made of steel, magnetic



BGW- Electromagnet type HM5 – Recess body (ASK) round, made of steel, for fixing ball head anchors to steel formwork

Item no.	for load level t	Outer Ø with chamfer mm	Outer Ø without chamfer a mm	Concrete cover mm	Inside diameter (Ø) b [mm]	Adhesive force kg	Weight kg	€/ piece
HM5-3-1,3	1,3	70	60	10	20	50	0,380	39,90
HM5-3-2,5	2,5	84	74	11	27	50	0,650	53,20
HM5-6-2,5	2,5	84	74	11	27	140	0,700	66,50
HM5-3-5,0	5,0	104	94	15	37	50	1,400	59,80
HM5-6-5,0	5,0	104	94	15	37	140	1,410	73,00
HM5-8-5,0	5,0	104	94	15	37	180	1,420	106,30
HM5-12-5,0	5,0	104	94	15	37	180	1,420	132,90
HM5-3-10,0	10,0	128	118	15	48	50	3,200	73,10
HM5-6-10,0	10,0	128	118	15	48	100	3,200	86,41
HM5-8-10,0	10,0	128	118	15	48	130	3,200	113,00
HM5-12-10,0	10,0	128	118	15	48	230	3,200	146,20
HM5-8-20	20,0	170	160	15	71	150	8,000	250,00
HM5-12-20	20,0	170	160	15	71	220	8,000	290,00
HM5-16-20	20,0	170	160	15	71	300	8,000	330,00
HM5-20-32	32,0	224	214	23	88	600	20,00	520,00

BGW- rubber sleeve for KKA recess former , round and oval, made of steel or PU, as well as adhesive magnet type HM5

The sleeves for supporting the KKA ball head anchor are placeholders to prevent concrete from flowing into the recesses into which the KKA lifter is hooked after demolding.

The slotted sleeves are opened up, placed around the anchor shaft below the Anchor head, and then closed again. To ensure that the KKA with the sleeve can be easily pressed into the recess body ASK, it is advisable to coat the ASK and the sleeve with a release agent.

Before placing an order, the customer must measure the diameter of the Anchor head in the ASK in order to order the correct outer diameter of the sleeve. The customer must also pay attention to the load level of the anchor that is to be installed with the sleeve in order to select the correct inner diameter of the sleeve.



Item no.	for load level t	OuterØ mm	InnerØ mm	kg/piece	€/piece
1670	1,3	20	10	0,005	2,20
1679	2,5	25	14	0,006	3,00
1672	2,5	27	14	0,006	3,20
1673	2,5	30	14	0,010	3,50
1674	4,0	37	18	0,016	4,80
1674-1	4,0	38	18	0,017	4,80
1675-1	5,0	37	20	0,016	4,90
1675	5,0	38	20	0,017	4,90
1676	7,5	48	24	0,025	30,80
1678	10	48	28	0,029	53,80
1680	15	71	34	0,100	75,60
1682	20	71	39	0,115	88,40
1683	32	88	50	0,134	108,40

BGW- rubber sleeve for KKA recess former, round and oval, made of steel or PU, as well as HM5 type magnetic holder, toothed



Item no.	for load level t	OuterØ mm	InnerØ mm	Weight kg/piece	€/piece
1670Z	1,3	20	10	0,005	2,20
1679Z	2,5	25	14	0,006	3,00
1672Z	2,5	27	14	0,006	3,20
1673Z	2,5	30	14	0,010	3,50
1674Z	4,0	37	18	0,016	4,80
1674-1Z	4,0	38	18	0,017	4,80
1675-1Z	5,0	37	20	0,016	4,90
1675Z	5,0	38	20	0,017	4,90
1676Z	7,5	48	24	0,025	30,80
1678Z	10	48	28	0,029	53,80
1680Z	15	71	34	0,100	75,60
1682Z	20	71	39	0,115	88,40
1683Z	32	88	50	0,134	108,40

Release lever for magnetic pocket former type HM5 - ball head anchor accessories

To remove the magnetic recessed body, insert the removal aid, the metal lever, into the anchor head hole and lever it out of the steel formwork.



Item no.	for load level t	Length L [mm]	Outer Ø mm	Weight kg/piece	€/piece
HM5-1 Hebel1,3	1,3	200	18	0,400	3,00
HM5-1 Hebel2,5	2,5	250	25	0,965	5,00
HM5-1 Hebel4-5	4-5	250	35	1,900	8,00
HM5-1 Hebel7,5-10	7,5-10	300	45	3,450	12,00
HM5-1 Hebel15-20	15-20	350	68	10,000	30,00
HM5-1 Hebel32	32	400	85	17,800	55,00

Spare parts/repair accessories for HM4, HM5

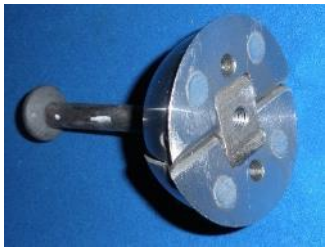
Item no.	Description	€/piece
54006	Neodymium magnetic disc N40 Ø19.5x7	5,60
80019-1	High-strength adhesive, 10 ml	14,50





BGW- Adhesive magnet type HM5 – Round steel pocket former, hinged, magnetic

Item no.	Load level t	Outer dimensions Ø with chamfer mm	OuterØ without bevel mm	Concrete Cover mm	Inside Ø mm	Adhesive force kg	Weight kg/piece	€/piece
HM5-3-1,3-A	1,3	70	60	10	10	50	0,38	
HM5-3-2,5-A	2,5	84	74	11	14	50	0,65	
HM5-6-2,5-A	2,5	84	74	11	14	140	0,70	
HM5-3-4,0-A	4,0	94	94	15	18	50	1,40	
HM5-6-4,0-A	4,0	104	94	15	18	140	1,41	
HM5-8-4,0-A	4,0	104	94	15	18	180	1,42	
HM5-12-4,0-A	4,0	104	94	15	18	180	1,42	
HM5-3-5,0-A	4,0	104	94	15	20	50	1,40	
HM5-6-5,0-A	5,0	104	94	15	20	140	1,41	
HM5-8-5,0-A	5,0	104	94	15	20	180	1,42	
HM5-12-5,0-A	5,0	104	94	15	20	180	1,42	
HM5-3-7,5-A	7,5,	128	118	15	24	50	3,20	
HM5-6-7,5-A	7,5	128	118	15	24	100	3,20	
HM5-8-7,5-A	7,5	128	118	15	24	130	3,20	
HM5-12-7,5-A	7,5	128	118	15	24	230	3,20	
HM5-3-10,0-A	10,0	128	118	15	28	50	3,20	
HM5-6-10,0-A	10,0	128	118	15	28	100	3,20	
HM5-8-10,0-A	10,0	128	118	15	28	130	3,20	
HM5-12-10,0-A	10,0	128	118	15	28	230	3,20	
HM5-8-15,0-A	15,0	170	160	15	34	150	8,00	
HM5-12-15,0-A	15,0	170	160	15	34	220	8,00	
HM5-16-15,0-A	15,0	170	160	15	34	300	8,00	
HM5-8-20,0-A	20,0	170	160	15	39	150	8,00	
HM5-12-20,0-A	20,0	170	160	15	39	220	8,00	
HM5-16-20,0-A	20,0	170	160	15	39	300	8,00	
HM5-20-32,0-A	32,0	224	214	23	50	600	20,00	





BGW- holding magnet type HM6 for fixing upstands

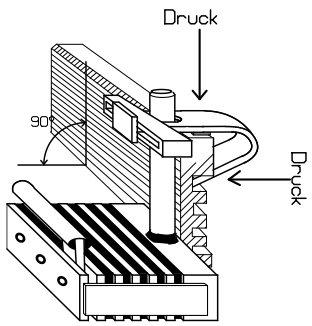
This system is specially designed to fix concrete or fiber concrete upstands at right angles.

The system consists of a proven BGW magnetic holder and a flexible clamping device.
It enables time-saving formwork with a high, consistent quality of formwork and is therefore particularly suitable for the formwork process of circulating pallets.

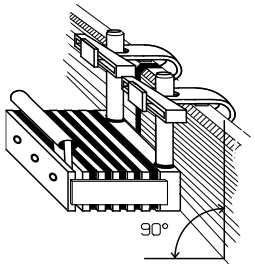
In a single operation, the formwork is pressed against the magnet at right angles to the support surface and additionally fixed against floating. To do this, the clamping wedge is driven into the fixing claw.

The HM6-600-2 and HM6-1000-2 versions also have two clamping devices and are therefore particularly suitable for pushing fiber concrete upstands.
All magnet types have a standard height of 230 mm, suitable for circulating systems, but are also available in other heights on request.
The fixing claw is equipped with an insulating element to protect the upstands. Stainless steel stiffeners are welded to the front to stabilize the magnet body.

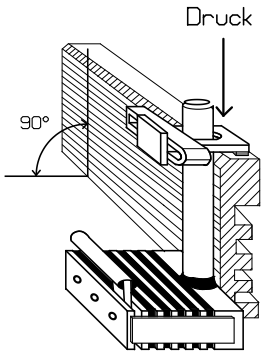
All HM6 type holding magnets are compatible with or can be combined with standard hold-down devices (with support block or M16 thread).



HM6-600-1
HM6-1000-1



HM6-600-2
HM6-1000-2



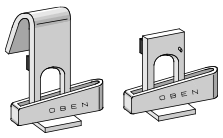
HM6-600-3
HM6-1000-3

Magnet HM6 - with fixing claw(s)

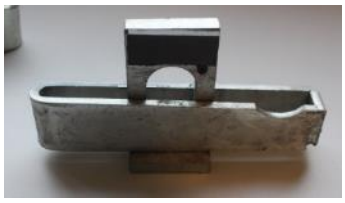
Item no.	Adhesive force approx. kg	Shifting force	Weight approx. kg	Width mm	Length mm	Height mm	Price €/piece
HM6-600-1	600	200	7,0	93	250	230-400	117,60
HM6-1000-1	1000	350	11,0	140	250	230-400	155,94
HM6-600-2	600	200	7,5	93	250	230-400	132,94
HM6-1000-2	1000	350	11,5	140	250	230-400	171,28
HM6-600-3	600	200	7,0	93	250	230-400	117,60
HM6-1000-3	1000	350	11,0	140	250	230-400	155,94

BGW- Fixing claw, hold-down device, and straightening ruler for HM6 magnetic holder

This item is used in combination with magnet type HM6 for fixing fiber-reinforced concrete upstands or Formwork during the concreting process. The underside is fitted with a piece of hard rubber to prevent damage to the Plate due to the increased fixing pressure.
Supplied with matching clamping wedges.



Item no.	Description	€/piece
HM6-4	Fixing claw HM6	50,00
HM6-5	HM6 hold-down device	45,00



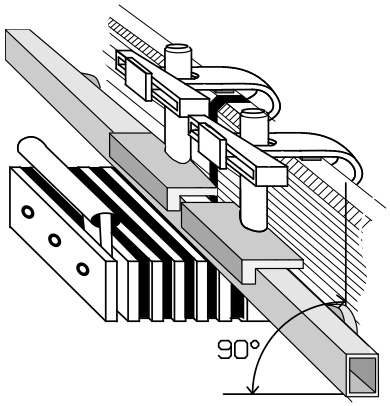


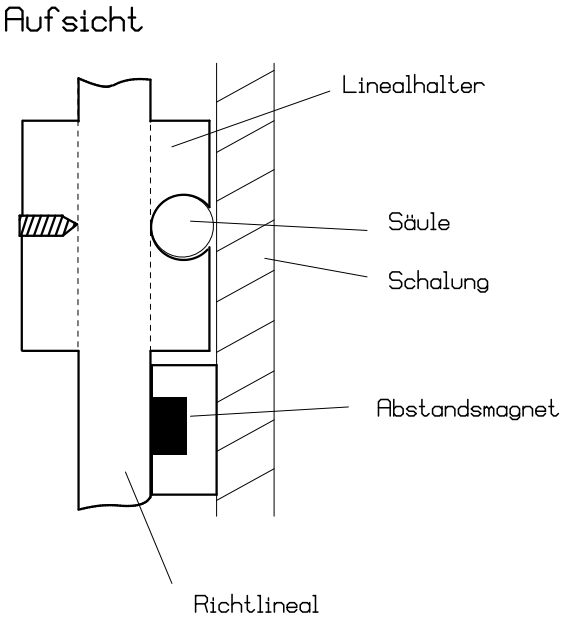
BGW- Alignment ruler for holding magnet type HM6-600-2 for fixing upstands

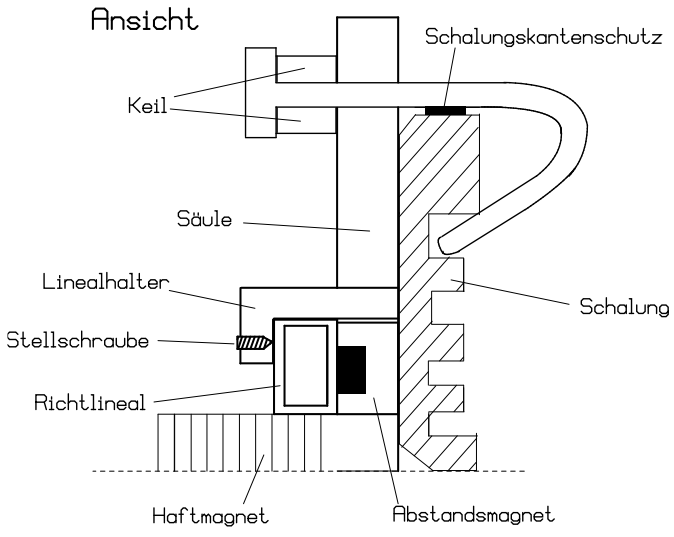
This device is designed to align fiber-reinforced concrete upstands in a perfectly straight line.

The alignment ruler is fixed to the columns of the BGW- holding magnet type HM6-600-2 using adjusting screws.

BGW magnetic holders ensure that the distance between the straight edge and the upstand is always exact. which are attached to the straight edge at intervals of approximately half a meter.







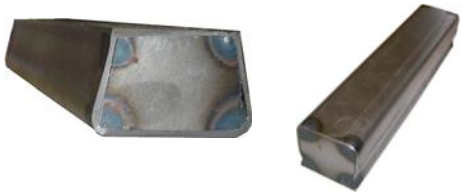
BGW- holding magnet type HM10 - for substructure

Magnetic body made of plastic, also Steel sheet in formwork or as an adapter magnet

The BGW magnetic holder can be used universally to secure steel formwork during the concreting process. Its rubber-like body secures the formwork against unwanted floating.
It is a further development of the otherwise common sandwich or lamella magnet.
The individual magnet elements are encased in plastic, which protects the system against impact that could lead to demagnetization. The plastic makes the magnet extremely lightweight, which has a positive effect on handling and occupational safety. Furthermore, this design has greatly improved the adhesive force of the magnet. Due to its smooth surfaces, it can be easily cleaned with nylon brushes. The HM10-2 version also has a labeling area that can be customized with the customer's company logo upon request.

The shape, dimensions, and Adhesive force can be changed or customized on request!

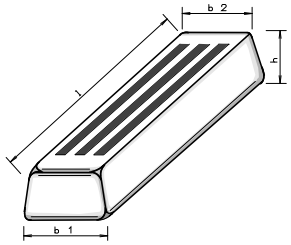
HM10 in sheet metal casing



HM10 in plastic casing



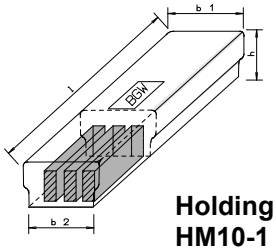
Adhesive magnet HM10-2



Item no. Adhesive magnets	Adhesive force kg	Weight approx. kg	Width mm		Length l [mm]	Height h mm	Version	Price €/piece
			b1	b2				
HM10-1-50	1000	1,5	50	40	243	35	Plastic sheath	196,00
HM10-1-55	1000	1,5	55	44	243	35	Plastic sheath	196,00
HM10-2-50	1000	1,5	50	40	250	35	Sheet metal jacket	196,00
HM10-2-55	1000	1,5	55	44	250	35	Sheet metal jacket	196,00

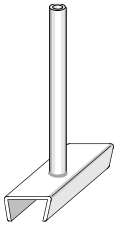
Item no. Removal lever	for Holding magnet	Price €/piece
HM10-1 Hebel50	HM10-1-50	43,46
HM10-1 Hebel55	HM10-1-55	43,46
HM10-2 Hebel50	HM10-2-50	43,46
HM10-2 Hebel55	HM10-2-55	43,46

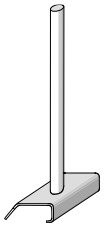
Note:
The HM10 magnets may only be removed using the appropriate BGW removal levers. We do not accept any liability for damage caused by other removal tools!



Holding magnet HM10-1

Release lever for HM10-2





Release lever for HM10-1

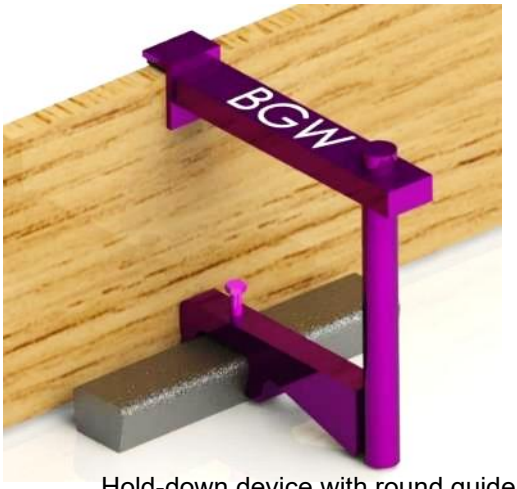
Adhesive magnet HM10 – conical

This sturdy version is Welded, sealed, and enclosed in a 4 mm Steel sheet box. The end plates are completely Welded. The edges are pre-ground to a round shape and the side bevels for attaching formwork profiles taper downwards. The "magnet" is inserted into the steel box and secured with a screw. Temperature- and oil-resistant polyurethane has proven to be a suitable casting compound with reinforcement.

Item no. Adhesive magnets	Adhesive force kg	Weight approx. kg	Width mm		Length l [mm]	Height h mm	Version	Price €/piece
			b1	b2				
HM10-4-54-250K	1000	1,759	54	45	250	35	Sheet metal jacket	196,00

Universal BGW- fixing device for formwork shuttering

The universal BGW- fixing device for formwork shuttering is used for the infinitely variable and right-angled fastening of formwork, fiber-reinforced concrete upstands, and formwork elements.

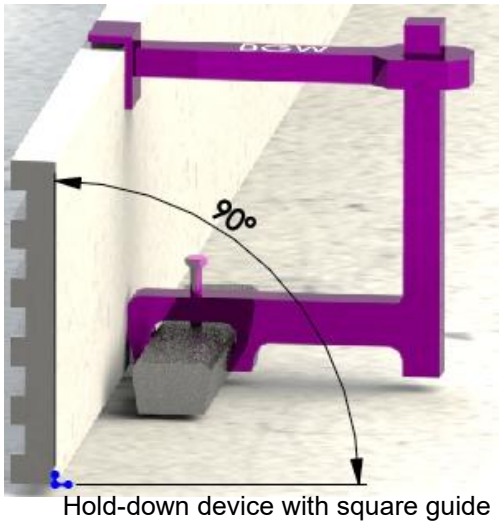


Hold-down device with round guide

Advantages

- Quick fastening
- Precise 90° fixing of the Formwork
- Stepless height adjustment
- Compact design

The BGW fixing device consists of a hold-down device and HM10 magnets. The hold-down device is available in two versions: with round or square guide. The hold-down device with square guide offers greater stability and fixing reliability. The standard version of the BGW fixing devices is designed for formwork with a maximum height of 240 mm. Custom designs available on request.



Hold-down device with square guide

Hold-down device with round guide

Item no.	Weight kg	Length L [mm]	Width b [mm]	Height h mm	Price €/piece
HM10-2-55-1	4	255	250	250	75,00

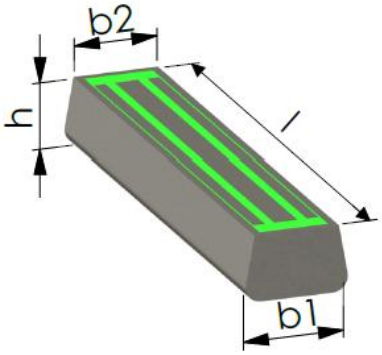
Hold-down device with square guide

Item no.	Weight kg	Length L [mm]	Width b [mm]	Height h mm	Price €/piece
HM10-2-55-2	4	255	250	250	80,00

To secure formwork, first place the formwork on the formwork table. Then position the HM10 magnet and the hold-down device on the formwork. The exact position of the fixing device can be achieved by tapping the HM10 magnet with a rubber mallet. The formwork is then clamped in place by tapping the slide of the hold-down device lightly with a rubber mallet.

HM10 adhesive magnet in sheet metal casing







Item no. Holding magnets	Adhesive force kg	Weight approx. kg	Length	Width mm			Height h mm	Price €/piece
			L [mm]	b	b1	b		
HM10-2-55	600	1,5	250	270	55	44	35	196,00

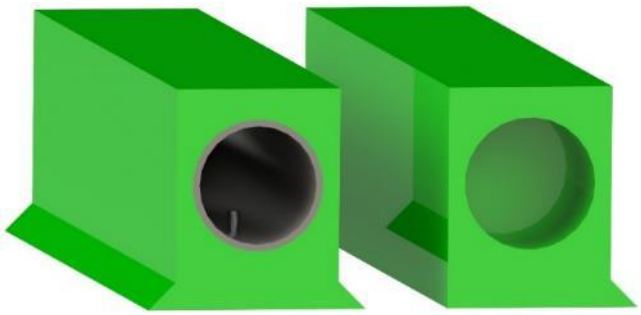
BGW- shuttering system type HM12 - polyurethane shuttering systems

This formwork system is specially designed for use in wall and ceiling construction. It is made of plastic (polyurethane) with magnetic inserts cast into the underside. Depending on the size and length, a suitable hollow material (e.g., steel tube) is cast in. This keeps both weight and susceptibility to twisting to a minimum, which makes handling extremely easy, even with long profiles. In addition, the low weight and the absence of sharp metal edges increase work safety. Damage to the formwork table caused by falling sharp-edged metal formwork profiles is prevented by using the HM12 system.

The PU plastic used is characterized by its very low weight and smooth surface and does not swell during the concreting process.

Advantages at a glance:

- Magnetic underside
- Very low weight (approx. 3.5 kg/meter)
- Easy handling
- High level of occupational safety
- No danger from sharp metal edges
- Low maintenance as there are no moving parts
- Smooth, low-adhesion surface
- Torsion-resistant – 100% straight
- Space-saving storage
- Can be used as cross and longitudinal supports



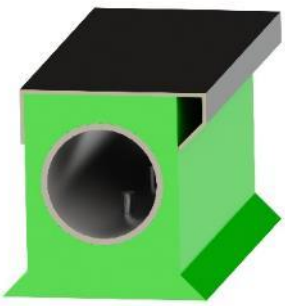
BGW- Formwork profiles type HM12 Height 70 mm

Item no.	Length mm	Bevel 10x45	Weight approx. kg	Price €/piece
	500	without	1,75	
	500	single-sided	1,75	
	500	both sides	1,75	
	1000	without	3,50	
	1000	single-sided	3,50	
	1000	both sides	3,50	
	1500	without	5,25	
	1500	one-sided	5,25	
	1500	double-sided	5,25	On
	2000	without	7,00	Request
	2000	single-sided	7,00	
	2000	both sides	7,00	
	2500	without	8,75	
	2500	one-sided	8,75	
	2500	both sides	8,75	
	3000	without	10,50	
	3000	one-sided	10,50	
	3000	both sides	10,50	
	3500	without	12,25	
	3500	one-sided	12,25	
	3500	both sides	12,25	
	4000	without	14,00	
	4000	one-sided	14,00	
	4000	both sides	14,00	

Standard heights: 70, 80, 90, 100, 150 mm
Standard widths: 25, 40, 60 mm
(each available with or without bevel)
Adhesive force: 300 kg/meter
Distributed over entire length
Also available with higher adhesive force on request

h 90 mm
b 40 mm





h 70 mm
W 60 mm
here: with slip-on profile for chamfer formation on the top side

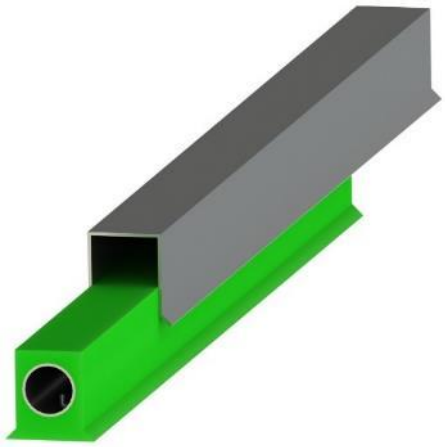


h 70 or 80 mm
b (top) 15 mm
e.g. as longitudinal partition in ceiling production

BGW- shuttering system type HM12 made of polyurethane – Accessories

BGW- Extension profile with integrated magnetic element
The extension profile is used for infinitely variable adjustment of the HM12 formwork system to the respective panel width or length. A magnetic element is embedded in the U-profile made of high-quality steel. Depending on requirements, this is positioned at the end of the profile or in the middle.

Item no.	For HM12 profile		Length mm	Price €/piece
	Height mm	Width		
HM12-2-82-27-2	60	25	1000	
HM12-2-92-27-2	70	25	1000	
HM12-2-102-27-2	80	25	1000	
HM12-2-112-27-2	90	25	1000	On
HM12-2-72-44-2	70	40	1000	Request
HM12-2-82-42-2	80	40	1000	
HM12-2-92-42-2	90	40	1000	
HM12-2-72-62-2	70	60	1000	
HM12-2-82-62-2	80	60	1000	
HM12-2-92-62-2	90	60	1000	



Please specify the position of the magnetic element (center or end) when ordering
Other dimensions available on request

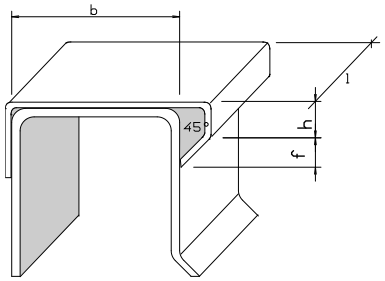
BGW- overlap profile for extending shuttering profiles made of sheet metal or plastic

for element slab production

Steel profile for mounting on existing U-profiles or formwork strips. The use of the profile ensures concrete coverage in accordance with DIN 1045-1, e.g. in precast slab production. The profile is delivered to fit your existing formwork system perfectly (please specify the width of the base profile when ordering). Furthermore, the BGW slip-on profile can also be supplied with integrated openings for screwing to the Formwork.

Material: ST 52; length (l) up to 4000 mm

Item no.	B mm	H mm	F mm	Price € / meter
	25	10	10	
	25	10	15	
	40	10	10	On
	40	10	15	Request
	60	10	10	
	60	10	15	

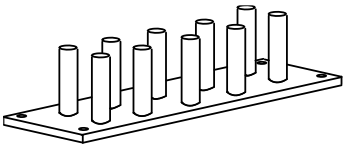


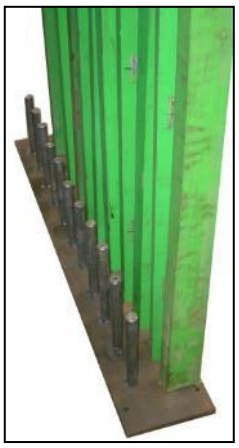


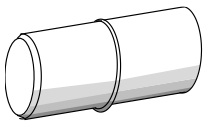
BGW- shuttering system type HM12 - Accessories for polyurethane shuttering systems

Various solutions that further simplify working with the HM12 formwork system:

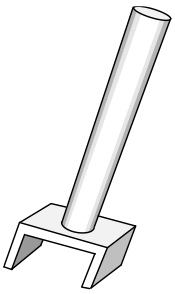
Storage device
e.g. for 10 or 20 profiles







Connecting bolt



Release lever
44.00 €/piece

Item no.	Item	Note	Price €/piece
	Storage device	10 pieces	
	Storage device	20 pieces	
	Storage device	30 pieces	
	Release lever	Width 25 mm	44,00
	Release lever	Width 40 mm	44,00
	Release lever	Width 60 mm	44,00
	Connecting bolt	For widths 40 + 60 mm	5,00

HM12 Additional profiles and magnets

For retrofitting existing Formwork or creating custom fittings

They are also ideal for retrofitting in
Plastic cross supports (e.g., in precast slab production)



Item no.	Item	Note	Price €/piece
540322	Magnetic element	Ø 32 x 8 mm	7,00
Lochfräse	Hole cutter	Suitable for magnetic element	35,00
569201	Countersunk screw	4.8 x 32 self-drilling	
HM12-P-60-40	Profile 40 x 70	Length 1 m	On
HM12-P-70-40	Profile 40 x 80	Length 1 m	Request
HM12-P-80-40	Profile 40 x 90	Length 1 m	
HM12-P-70-60	Profile 60 x 70	Length 1 m	
HM12-P-80-60	Profile 60 x 80	Length 1 m	
HM12-P-90-60	Profile 60 x 90	Length 1 m	



BGW- solid wall shuttering system for HM13 – Switchable magnet system

- At the customer's request, we also seal all weld seams
- and all joints with acrylic/silicone
- Also available in Galvanised

Various profiles – manufactured according to customer requirements



BGW- magnet system type HM13 basic modules - switchable magnet system

The integrated magnetic system

This formwork system, consisting of a formwork profile with a built-in magnetic clamping mechanism, can be installed in various types of formwork.
It is particularly suitable for the production of filigree or double walls and lattice girder ceilings.

Advantages of the magnet system at a glance:

- Very low weight
- Simple, safe handling
- Easy maintenance thanks to open system
- Formwork can be changed by releasing three screws
- Insensitive to concrete contamination due to polyurethane (magnet) and steel Formwork
- Easy cleaning
- Magnetism holds the system on the formwork table. Comparable products fall down when the control knob is pressed (incorrect switching, risk of injury when forming)
- Spring elements pull the formwork onto the formwork floor, preventing concrete from penetrating under the formwork (approx. 120 kg per formwork unit)
- Spring elements support the release of the magnet when the end formwork is in the rest position.
- Non-magnetic control knob allows the formwork profiles to be stacked on top of each other
- Adhesive force approx. 900 kg, depending on the substrate (steel, steel thickness, temperature, surface roughness, etc.)
- Straightness of the substrate)

The formwork profile (planed contact surfaces) is pulled onto the formwork floor by the clamping mechanism (steel spring) with 120 kg per magnet unit by operating the control knob with the foot or robot, thereby achieving precise edge formation of the part to be concreted. Because the system forms a unit, measurement errors are impossible (magnet and Formwork form a unit).

The magnet can only be switched on a steel base. Otherwise, the steel springs hold the magnet in the rest position, which has a positive effect on work safety (this prevents fingers from being crushed under the formwork when measuring it). With the help of the appropriate release lever, the system can be easily released from the formwork floor and removed.
The separate arrangement of the clamping mechanism and control knob, as well as the clamping mechanism and Formwork, the forces exerted on the formwork and magnet during concreting are absorbed.
The built-in pre-tensioning elements are positioned in a protected manner, making the formwork system less sensitive to contamination. The built-in stroke limiter prevents overloading of the clamping mechanism. The magnet is cast in impact-resistant and heat-resistant polyurethane, which is insensitive to concrete adhesion.

Note: Before first use, soak the profiles in formwork oil! This also provides adequate rust protection and makes cleaning the formwork easier.

To enable stacking and prevent the formwork profiles from sticking together, the control knob is made of non-magnetic Material. The system is magazine and robot compatible, if agreed. Tolerances: Length +/- 0.2 mm, width +/- 1 mm, height +/- 1 mm standard.

In the event of a defect, the old Formwork can be easily replaced by releasing 3 screws.

Different shapes and dimensions are available on request.



BGW- Formwork system type HM13



for slab ceiling and double wall production

This formwork system, consisting of a formwork profile with a built-in magnetic clamping mechanism, can be installed in various types of formwork. It is particularly suitable for the production of filigree or Double walls and lattice girder ceilings. The formwork profile (support surfaces are planed) is pulled onto the formwork floor by operating the release lever with the foot, thanks to the clamping mechanism, which ensures that the edges of the part to be concreted are formed precisely. The fact that the system forms a unit means that measuring errors are impossible.
The simple and quick handling also increases work safety. With the help of the matching release lever, the system can be easily released from the formwork floor and removed.
The separate arrangement of the clamping mechanism and control knob, as well as the clamping mechanism and Formwork, absorbs the forces exerted on the formwork and magnet during concreting.
The built-in pre-tensioning elements are positioned in a protected manner, making the formwork system less sensitive to contamination. The built-in stroke limiter prevents overloading of the clamping mechanism. **Note:** Before first use, soak the profiles in formwork oil!
To enable stacking and prevent the formwork profiles from sticking together, the control knob is made of non-magnetic Material. The system can also be supplied in a magazine- and robot-compatible version.
In the event of a defect, the old Formwork can be easily replaced by releasing 3 screws.
Different shapes and dimensions are available on request.
HM13 available from a height of 40 mm.

BGW- Formwork system type HM13

Item no.	Length mm	Height mm	Quantity Magnets	Bevel 10x45	Weight approx. kg	Price €/piece
3200	500	70	1	single-sided	3,35	180,71
3205	500	70	1	both sides	3,35	180,71
3210	1000	70	2	single-sided	6,70	351,19
3215	1000	70	2	both sides	6,70	351,19
3220	1500	70	2	single-sided	9,05	366,53
3225	1500	70	2	both sides	9,05	366,53
3230	2000	70	2	one-sided	11,40	381,87
3235	2000	70	2	both sides	11,40	381,87
3240	2500	70	2	one-sided	13,75	397,21
3245	2500	70	2	both sides	13,75	397,21
3250	3000	70	2	One-sided	16,10	412,55
3255	3000	70	2	both sides	16,10	412,55
3260	3500	70	2	single-sided	18,45	427,89
3265	3500	70	2	both sides	18,45	427,89
3270	4000	70	2	single-sided	20,80	443,23
3275	4000	70	2	both sides	20,80	443,23
3280	4000	70	3	single-sided	21,80	603,49
3285	4000	70	3	both sides	21,80	603,49

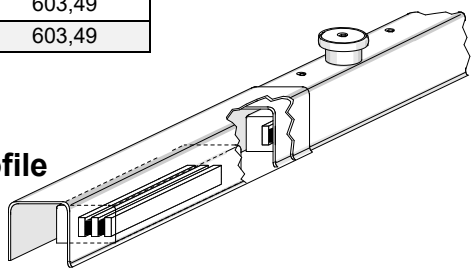


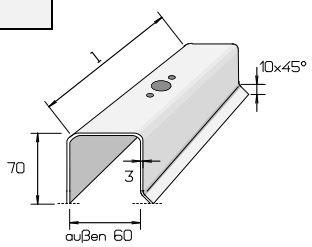
Cutting costs for length deviation €3.07

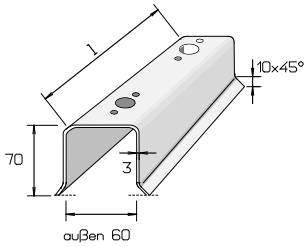
Length compensation profile suitable for HM13 formwork profile

for mounting, sheet thickness 2 mm, length 1,000 mm

Description	€/piece
Length compensation profile with magnet	246,27
Length compensation profile without magnet	30,68







Formwork profile for replacement

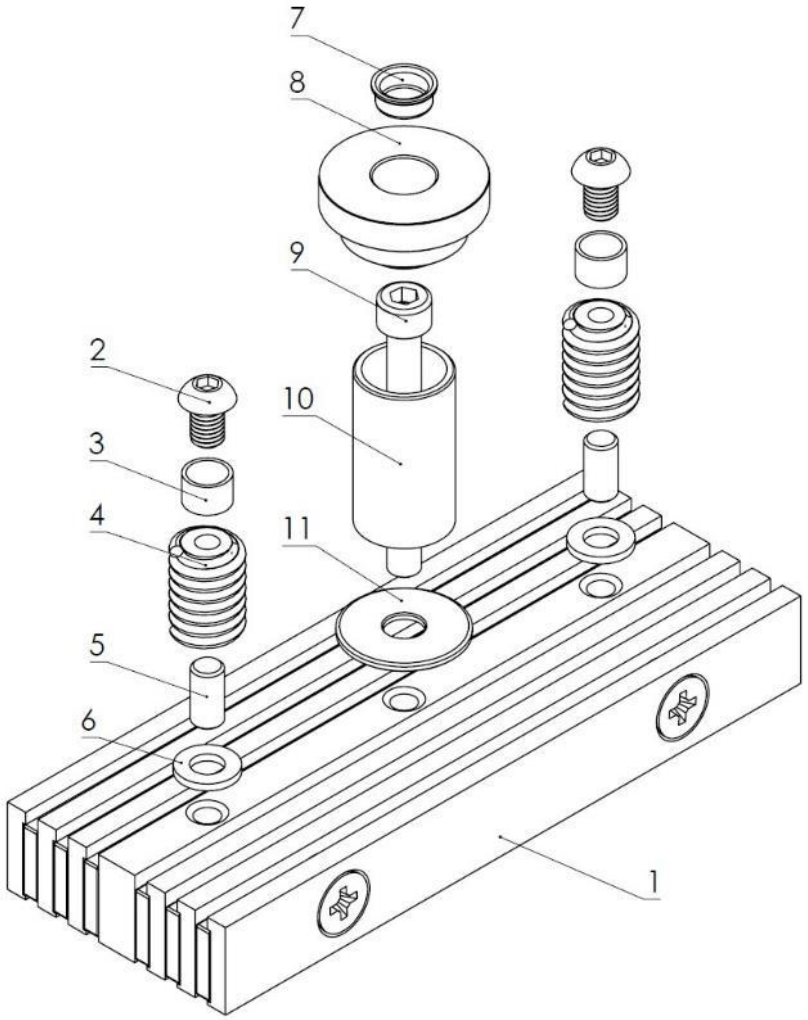
Support surfaces planed

Weight	Bevel 10x45°	€/m
4.70 kg/meter	One side	30,68
4.70 kg/meter	both sides	30,68

BGW- Formwork system type HM13

Accessories / Construction, spare parts

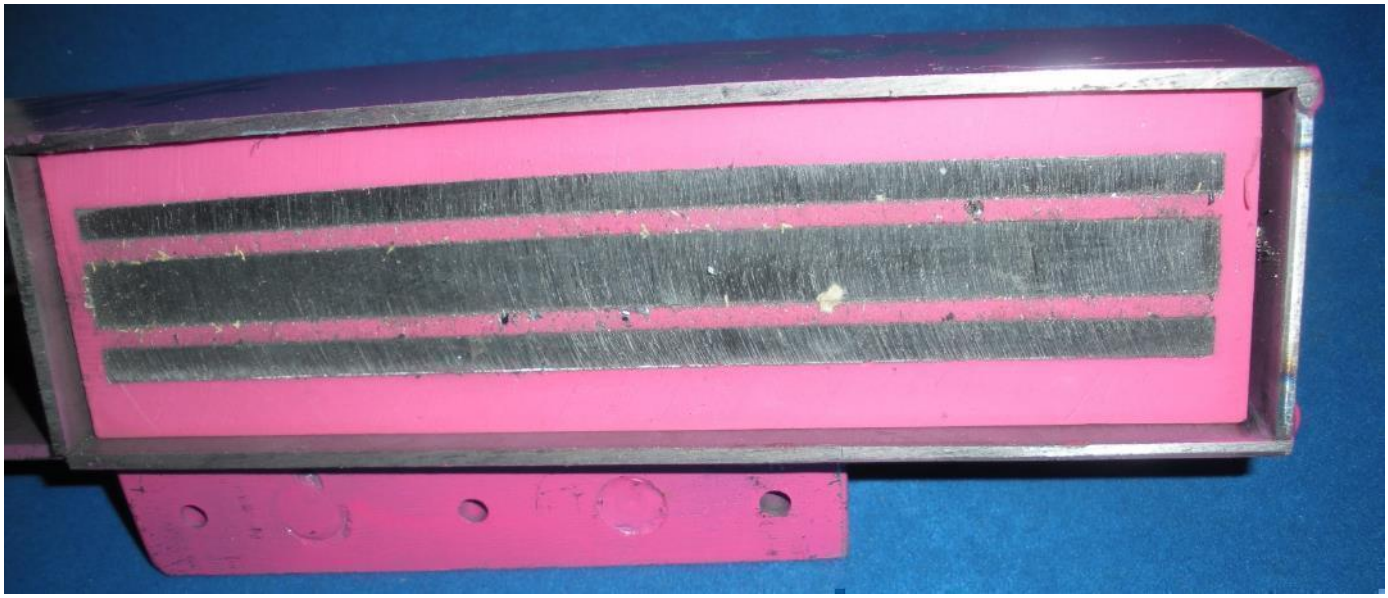
Number	Item no.	Description	€/piece
1	3350	Magnet L 200 - W 54 - H 34 with Plastic/PU coating	160,00
	33500	Magnet L 340 - W54 - H28 with Plastic/PU coating	220,00
	33503	Magnet L 190 - B 32 - H25 mm, Galvanised	150,00
	33504	Magnet L 330 - B 32 - H25 mm, Galvanised	210,00
	3352	Magnet L 100 – W 54 – H34 with Plastic/PU coating	110,00
2	56399	Pan head screw M8x12	0,38
3/4/5	3376	Clamping element, steel spring, threaded pin, spacer bushing if necessary	7,78
5	56380	Threaded pin M8x25	0,36
6	56355	Washer 8.4 x 16	0,20
7	56421	Plug GPN 300 V 112 – Rd/M 16 colorless	0,14
8/10/11	33653	Control knob – non-magnetic consisting of head, sleeve, and pressure disc)	15,34
9	56334	Cylinder screw M8x65 – black burnished	0,56



BGW- HM13 – Installation of magnets in the Formwork

Variant 1:

The assembled magnet system consisting of iron plates and magnet bodies is cast in polyurethane.



Variant 2:

The magnet body remains open – it can therefore be moved or switched in the sheet metal recesses.

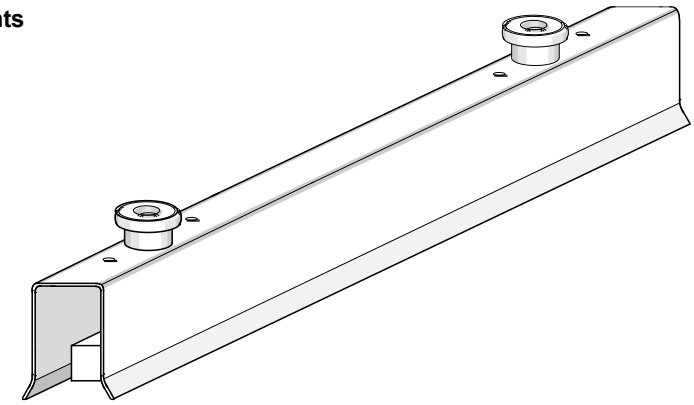


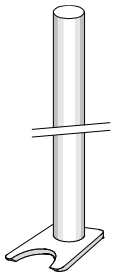
BGW- shuttering system HM13 - Special heights /for solid wall construction

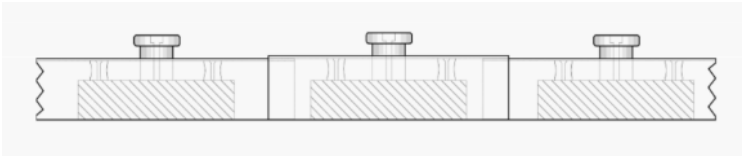
All formwork panels are available without chamfer, with chamfer on one side, or with chamfer on both sides. The shape and Dimensions can be changed or customized on request! Different Dimensions are available on request.

BGW- shuttering system HM13 - Special heights

Length mm	Quantity Magnets	Height mm	Price €/piece
500	1	85	Prices on request
1000	2		
1500	2		
2000	2		
2500	2		
3000	2		
3500	2		
4000	2		
4000	3		
500	1	100	
1000	2		
1500	2		
2000	2		
2500	2		
3000	2		
3500	2		
4000	2		
4000	3		
500	1	150	
1000	2		
1500	2		
2000	2		
2500	2		
3000	2		
3500	2		
4000	2		
4000	3		
500	1	200	
1000	2		
1500	2		
2000	2		
2500	2		
3000	2		
3500	2		
4000	2		
4000	3		

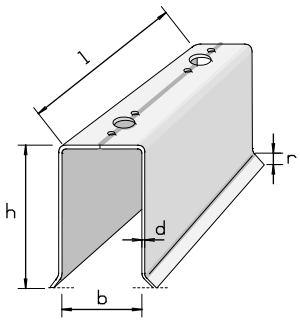






Length compensation profile suitable for HM13 formwork profile for mounting, sheet thickness 2 mm, length 1,000 mm

Height/mm	Description	Price €/piece
85	Length compensation profile with magnet	138,05
	Length compensation profile without magnet	35,79
100	Length compensation profile with magnet	143,16
	Length compensation profile without magnet	40,90
150	Length compensation profile with magnet	153,39
	Length compensation profile without magnet	51,13
200	Length compensation profile with magnet	163,61
	Length compensation profile without magnet	61,36



U-profile, planed

Item no.	Bevel	Height/mm	Price €/piece
	One side	85	35,79
	Double-sided		35,79
	One side	100	40,90
	both sides		40,90
	single-sided	150	51,13
	both sides		51,13
	One side	200	61,36
	on both sides		61,36
3306	Fastening diagrams for 1 magnet HM13		3,68
3304	Notches for magazine/storage on both sides		3,27
3302	Lifting bevel for crosswise storage on both sides		3,37
3300	Holes for robot grippers (2 per profile)		2,97
3360	Release lever		43,46

BGW- formwork system type HM13 for solid wall production

This formwork system features an operating mechanism which, like all other formwork systems in the HM13 series, is extremely easy to use and not prone to contamination.

In order to achieve optimum protection against the penetration of liquid concrete between the profile and the Formwork and to facilitate the removal of the concrete surface, the profiles are planed both at the bottom and at the top.

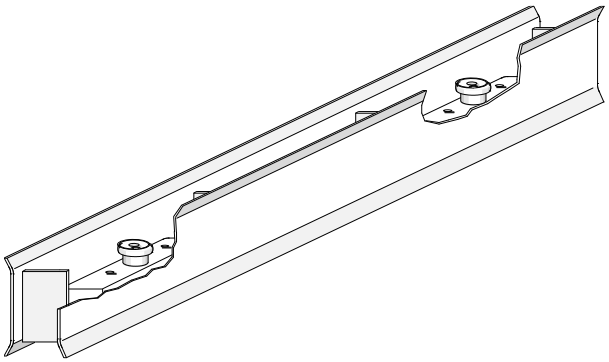
The profiles are additionally reinforced with Cross struts, which ensures a very high degree of rigidity.

If necessary, the magnetic elements can be covered to protect them from contamination.

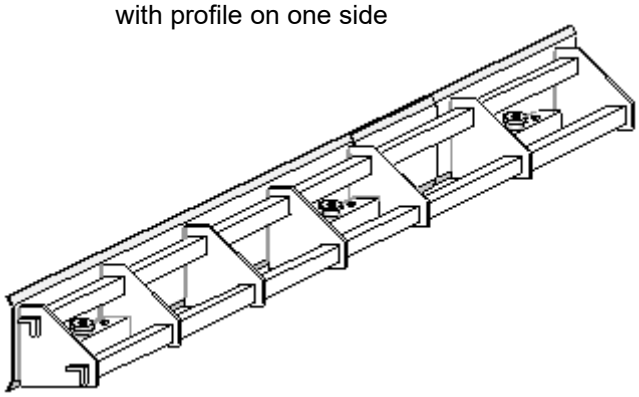
The profiles are available in lengths of up to 4 meters.

Other lengths and heights, specifically for your production requirements, are available on request.

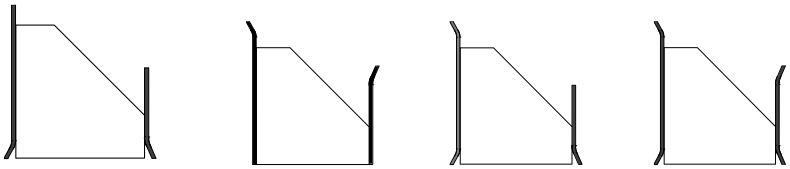
Formwork system type HM13
with profile on both sides



with profile on one side

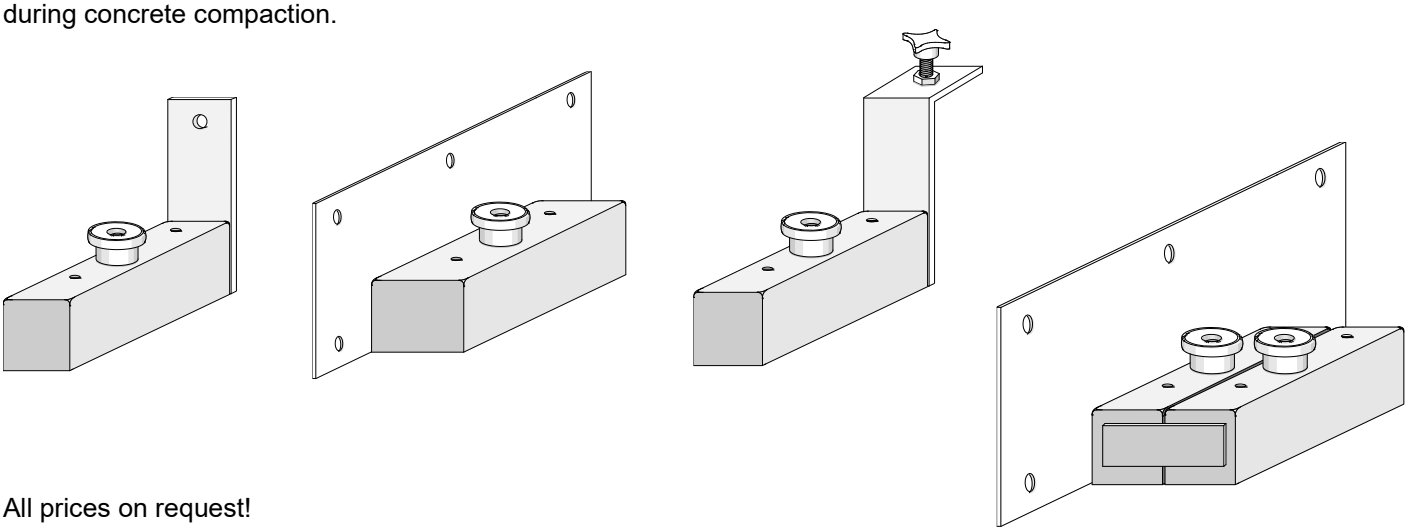


Variants (cross-section):
(e.g., with profiles of different heights)



BGW- Formwork system type HM13 with welded Plate or bracket

Wooden formwork can be screwed firmly and securely to a welded plate on the long or short side of the magnet. An angle bracket with a fixingscrew is used to secure the formwork against floating during concrete compaction.



All prices on request!

BGW- Shuttering system type HM13 The adaptable convenience solution

A formwork system with integrated HM13 magnets and steel spring mechanism. This special version can be used in a similar way to standard formwork profiles for the production of double walls and precast slabs. In addition, a formwork extension can be screwed onto the integrated M16 threads of size M16. This means that the same basic formwork can be used in just a few simple steps to produce thicker solid concrete components, such as partition walls with a thickness of 120 or 150 mm.

Features of the formwork:

- Integrated magnets with steel spring switching mechanism
- Quantity and strength of magnets depends on maximum formwork height
- Height of base formwork 70-90 mm
- Integrated threads for attaching formwork extensions
- Flat machined contact surface and chamfers for an optimal concrete finish
- Lengths, e.g., 500–4000 mm (intermediate lengths possible)



Height 150 mm
With chamfers
10 x 45
top + bottom

Base profile - height 80 mm

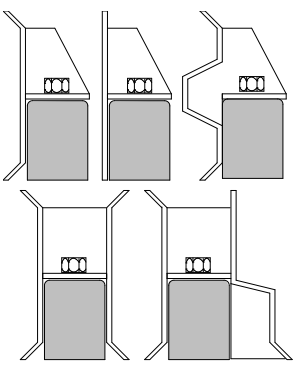
Item no.	Length mm	Quantity of magnets	Bevel 10x45°	Price €/piece
3200-M16	500	2	Without	240,-
3205-M16	500	2	One-sided	240,-
3210-M16	1000	2	Without	255,-
3215-M16	1000	2	One-sided	255,-
3220-M16	1500	2	Without	270,-
3225-M16	1500	2	One-sided	270,-
3230-M16	2000	2	Without	285,-
3235-M16	2000	2	One-sided	285,-
3240-M16	2500	3	Without	414,-
3245-M16	2500	3	One-sided	414,-
3250-M16	3000	3	Without	429,-
3255-M16	3000	3	One-sided	429,-
3260-M16	3500	3	Without	444,-
3265-M16	3500	3	One-sided	444,-
3280-M16	4000	3	Without	459,-
3285-M16	4000	3	One-sided	459,-



H 150 mm
With nail or screw
holes for attaching
wooden panels

- Adapter for base formwork with height 80 mm
- Formwork extension can be customized to customer specifications
- We will provide you with a quote for your specific application
- Height 80 mm to over 300 mm
- With or without chamfer (bottom/top)
- Material: high-quality steel Thickness: e.g., 3.0–5.0 mm
- Concreting on both sides also possible
- (space-saving)

Examples:

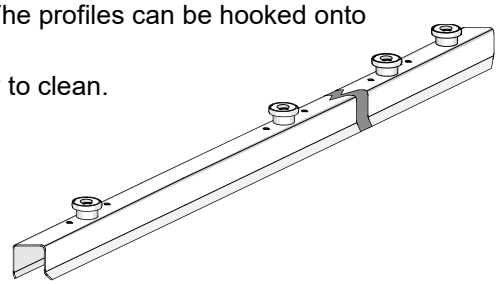


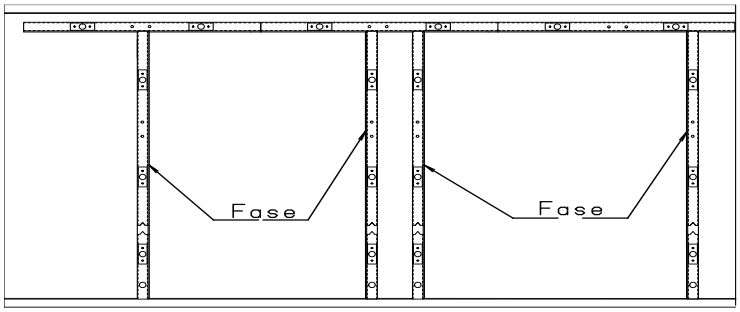
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Formwork system type HM13 Extension 1

for slab ceiling and double wall production

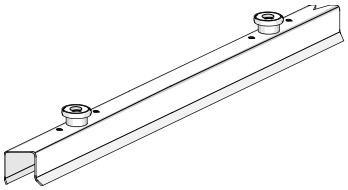
This variable formwork system is used as a cross support and is particularly suitable for the production Precast concrete elements with frequently changing dimensions. Thanks to the compensating elements available in different lengths, almost all precast dimensions can be produced.
The simple and quick-to-use operating mechanism a lot of time and therefore costs can besaved during formwork installation and removal can be saved during formwork assembly and removal. The profiles can be hooked onto the pallet edge using the operating
knob or blind knob on the Formwork on the edge of the pallet, making them easy to clean.
Dimensions tailored to your
specific requirements are available on request. Installation
options on a production pallet





Magnetic profile type HM13, with two magnetic elements

1 end face with 10 x 45° chamfer / 1 end face "female" or "male"



Item no.	Bevel	End face	Length mm	Weight kg	Price €/piece
3860	without	nut			on request
3861	one-sided	Nut			
3862	both sides	Nut			
3865	without	Father			on request
3866	one-sided	Father			
3867	both sides	Father			

Length compensation element made of PU, without/with magnetic insert

1 front end "female" / 1 front end "male"

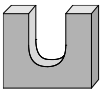


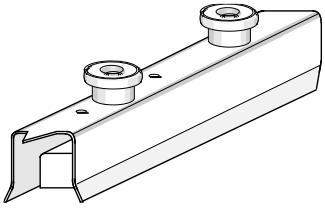
Item no.	Bevel	Magnetic insert	Length mm	Weight kg	Price €/piece
3870	without	without			on request
3871	single-sided	without			
3872	both sides	without			
3875	without	with			on request
3876	one-sided	with			
3877	both sides	with			

Magnetic end piece type HM13, with 1 magnetic element and 1 blind knob

1 end face with 10 x 45° chamfer / 1 end face "nut"

Item no.	Bevel	Length mm	Weight kg	Price €/piece
3880	without			on request
3881	single-sided			
3882	both sides			



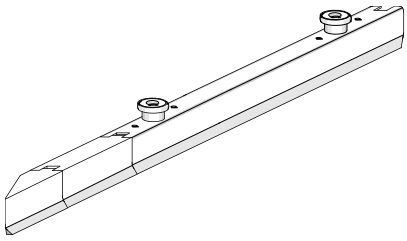


Suspension (for hanging the profile on the control knob)
Item no. 3390 - €/piece

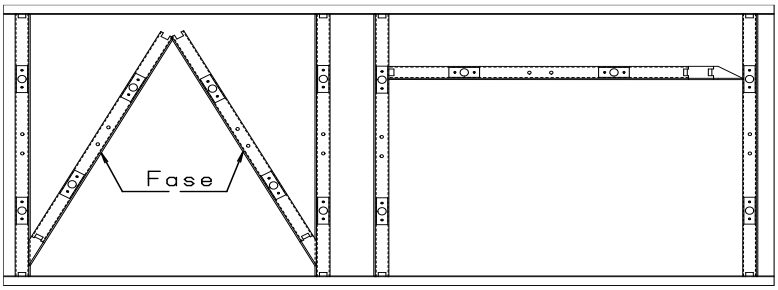
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Formwork system type HM13 Extension 2

for slab ceiling and double wall construction



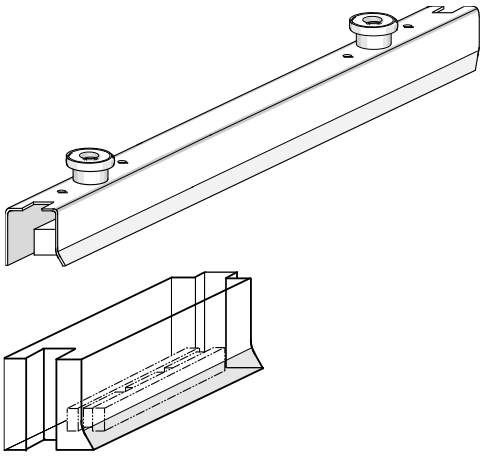
This formwork system can be used to produce a wide variety of Precast concrete elements. Based on the HM13 magnetic system, the individual elements can be
quickly positioned and securely fixed against lateral slippage thanks to their simple operation. Magnets are cast into the polyurethane length compensation elements, which fix the elements in place during compaction of the concrete. The recesses on the front sides allow the magnet to be easily stacked in a magazine in the stacked in a magazine in the tightest of spaces.
Dimensions tailored to your specific requirements are available on request. Installation options on a production pallet



Magnetic profile HM13, with two magnetic elements

Length compensation element made of PU, with magnet insert

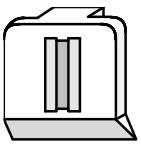
Item no.	Bevel	Length	€/piece
3820	Without	10	
3821	single-sided	10	
3822	both sides	10	
3824	without	20	
3825	one-sided	20	
3826	both sides	20	
3828	without	25	
3829	one-sided	25	
3830	both sides	25	
3832	without	40	
3833	one-sided	40	
3834	both sides	40	
3836	without	80	
3837	one-sided	80	
3838	both sides	80	
3840	without	160	
3841	one-sided	160	
3842	both sides	160	



End pieces for fixing to steel formwork

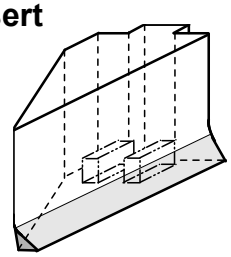
made of PU, with magnetic insert on the front side, for a form-fitting connection for precise corners

Item no.	Negative chamfer on front side	Positive bevel on the side	Weight	Price €/piece
3800	with	left	0,140	25,56
3801	without	left	0,140	25,56
3802	with	right	0,140	25,56
3803	without	right	0,140	25,56
3804	with	without	0,140	25,56
3805	without	without	0,140	25,56



Angle end piece for fixing to steel formwork, made of PU, with magnetic insert

Item no.	three edge border	Angle	Weight	€/piece
3810	Negative, on slanted side	left	0,580	30,68
3811	negative, on sloping side	right	0,580	30,68
3812	positive, on the straight side	left	0,580	30,68
3813	positive, on the straight side	right	0,580	30,68
3814	without	left	0,580	30,68
3815	without	right	0,580	30,68



BGW- magnet system type HM13 basic modules - switchable magnet system

The individual magnet elements are equipped with the proven HM13 switching mechanism. The basic modules can be adapted to your Formwork by welding or screwing.

Version according to customer requirements:

Depending on the application, the basic modules are equipped with different superstructures. Furthermore, the magnetic force can be doubled by using two magnets. Prices for special superstructures are available on request. HM13 available from a height of 40 mm.

HM13 basic module Adhesive force 350 kg/900 kg/1300 kg





HM13 with 2xM12 or 2xM16 thread, Adhesive force 900 kg/1300 kg

HM13 basic module with and without attachments

Item no.	Item	Adhesive force kg	Length mm	Width mm	Height mm	Weight kg	Price €/piece
32021-110	HM13 Basic module 350 kg	350	110	60	70	2,90	100,00
32021-210	HM13 Basic module 900 kg	900	210	60	70	3,20	120,00
32021-350	HM13 Basic module 1300 kg	1300	350	60	70	4,00	160,00
32022-40-280	HM13 with 2 x M12/M16 thread	900	280	60	40	3,50	140,00
32022-70-350	HM13 with 2 x M12/M16 thread	1300	350	60	70	3,90	170,00
32021-P	HM13 with side plate thickness 5 mm, height 150 mm	900	210	60	70	4,50	140,00
320212-P	HM13 with side plate thickness 5 mm, height 150 mm, 2 magnets	1800	210	120	70	6,30	356,00
32021-Ecke	HM13 with attachment for formwork corner hold-down device 350 mm	900	210	60	70	4,60	200,00
32021-Ecke2	HM13 with attachment for formwork corner hold-down device 350 mm	1300	350	120	70	4,90	240,00



HM13 with side plate



HM13 with structure for formwork corner

BGW- Magnetic system type HM13 – Basic modules



HM13 with column (h350mm) and arm



HM13 with column (h350mm) and arm, 2 magnets

HM13 basic module with add-on parts

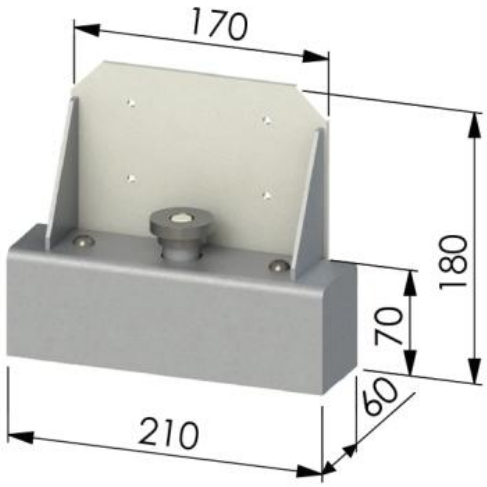
Item no.	Item	Adhesive force kg	Length mm	Width mm	Height mm	Weight kg	Price €/piece
32021-FBA	HM13 with column (h350mm) and arm	900	210	60	70	5,6	160,00
32021-210-116	HM13 with column (h350mm) and arm, 2 magnets	1400	210	116	70	6,4	184,00
32021-P1	HM13 with stop plate (d10, h200)	900	210	60	70	4,1	128,00
32023-BR-SE	HM13 with claw hold-down device for wood or steel profiles	1800	210	116	70	7,4	145,00
32023-HOWAL	HM13 with side plate and stiffening ribs, preferably for wooden formwork	600	210	60	180	3,9	174,00



HM13 with stop plate



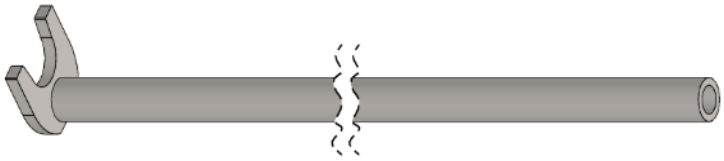
HM13 with claw hold-down device for wood or steel profiles



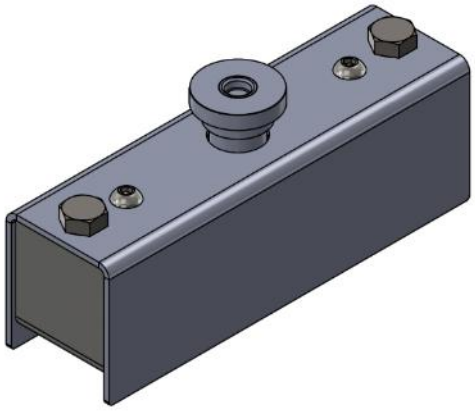
HM13 with side plate and stiffening ribs, preferably for wooden formwork

HM13 release lever, length 72 cm

Item no.	Description	€/piece
3360	Release lever	43,46



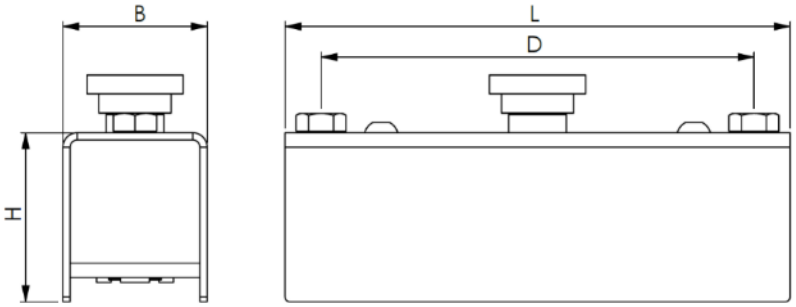
BGW- HM13 switching magnet with thread



The HM13 switching magnet can be used to securely fix wooden or steel formwork to the steel base during concreting. BGW magnets with adhesive forces of 900 to 2000 kg are installed in the closed steel sheet housing with a switching mechanism. Special attachments can be screwed on using the integrated threaded openings on the top. When the magnet is activated, the steel springs of the switching mechanism pull the Formwork tightly against the base.

Advantages / Overview:

- High adhesive force of 900 to 2000 kg
- Switchable magnet with steel springs
- Application/quickly interchangeable structure
- Built-in lock nuts M12/M16
- Flexible application / magnetic elements can be used for different Formwork
- Assemblies on request



BGW- HM13 switching magnet with threads

Item no.	Adhesive force kg	L mm	W mm	H mm	D mm	Thread	Price €/piece
32022 40-2	900	210	60	40	180	M16	130,00
32022 70-210	900	210	60	70	180	M16	130,00
32022 70-250	900	250	60	70	180	M16	130,00
32021-M12	900	250	60	70	200	M12	130,00
32022 40-3-M12	900	280	60	40	230	M12	130,00
32022 40	900	280	60	40	230	M16	130,00
32022 60	900	280	60	60	230	M16	130,00
32022 70	900	280	60	70	230	M16	130,00
32022 80	900	280	60	80	230	M16	130,00
32022-40-400	900	400	40	62	350	M16	130,00
32022 60 350	1100	350	60	60	270	M16	180,00
32022 70 380	1100	380	60	70	270	M12	180,00
32021-350-1	1300	350	60	70	270	M16	190,00
32021-350-2	1300	350	60	70	270	M12	190,00
32022-70-350	1300	350	60	70	270	M12	190,00
32021-210-150	1600	210	150	70	-	1 x D15	210,00
32021-250-2-16	1600	250	116	70	200	M16	210,00
32023	1600	250	250	50	-	1 x D15	210,00
32021-280-120	1600	280	116	40	230	M12	210,00
32022 60 320	1600	320	120	60	270	M16	210,00
32021-320-120	1600	320	120	60	270	M16	210,00
32022 1800	1800	280	100	60	230	M16	230,00
32022-320-120	1800	320	120	60	270	M16	230,00
32021-410-2G16	1800	410	60	70	350	M16	230,00
32021-320-60-16	2000	320	120	60	270	M16	260,00
32021-350-3	2000	350	120	70	270	M16	260,00
32021-350-150	2000	350	150	70	-	1 x D15	260,00

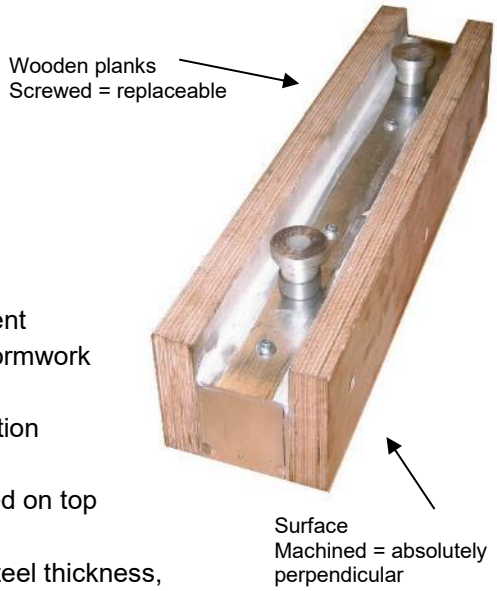
- Delivery with matching screws plus €3/piece
- BGW- HM13 magnetic boxes can also be supplied in other sizes and with M12 threads on request.

BGW- basic formwork with timber cladding – switchable magnet system

with integrated HM13 magnet system – the convenient solution

Advantages of HM13 magnet systems at a glance:

- Very low weight
- Simple, safe handling
- Easy maintenance thanks to open system
- Formwork can be changed by releasing three screws
- Resistant to concrete contamination
- Easy cleaning
- Magnetism holds the system on the formwork table
- Spring elements pull the formwork onto the formwork floor and prevent concrete from penetrating under the formwork (approx. 120 kg per formwork unit)
- Spring elements support the release of the magnet into the rest position during formwork removal.
- Non-magnetic control knob allows the formwork profiles to be stacked on top of each other
- Adhesive force approx. 900 kg, depending on the substrate (steel, steel thickness, temperature, surface roughness, straightness of the substrate)







Prices: see next page

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Basic formwork with wood planking

Basic formwork 100 mm

Item no.	Length m	Quantity of magnets	Planking No. of sides	Price €/piece
3260-100-0250-1-1	0,25	1	1	145
3260-100-0250-1-2	0,25	1	2	170
3260-100-0500-1-1	0,50	1	1	170
3260-100-0500-1-2	0,50	1	2	198
3260-100-0500-2-1	0,50	2	1	270
3260-100-0500-2-2	0,50	2	2	298
3260-100-1000-2-1	1,00	2	1	340
3260-100-1000-2-2	1,00	2	2	378
3260-100-1500-2-1	1,50	2	1	410
3260-100-1500-2-2	1,50	2	2	458
3260-100-2000-2-1	2,00	2	1	480
3260-100-2000-2-2	2,00	2	2	538
3260-100-2500-2-1	2,50	2	1	550
3260-100-2500-2-2	2,50	2	2	618
3260-100-2500-3-1	2,50	3	1	650
3260-100-2500-3-2	2,50	3	2	718
3260-100-3000-3-1	3,00	3	1	720
3260-100-3000-3-2	3,00	3	2	800
3260-100-3500-3-1	3,50	3	1	770
3260-100-3500-3-2	3,50	3	2	860
3260-100-4000-3-1	4,00	3	1	820
3260-100-4000-3-2	4,00	3	2	980



Basic formwork 150 mm

Item no.	Length m	Quantity of magnets	Planking No. of sides	Price per piece
3260-150-0250-1-1	0,25	1	1	149
3260-150-0250-1-2	0,25	1	2	174
3260-150-0500-1-1	0,50	1	1	178
3260-150-0500-1-2	0,50	1	2	206
3260-150-0500-2-1	0,50	2	1	278
3260-150-0500-2-2	0,50	2	2	306
3260-150-1000-2-1	1,00	2	1	355
3260-150-1000-2-2	1,00	2	2	393
3260-150-1500-2-1	1,50	2	1	433
3260-150-1500-2-2	1,50	2	2	481
3260-150-2000-2-1	2,00	2	1	510
3260-150-2000-2-2	2,00	2	2	568
3260-150-2500-2-1	2,50	2	1	588
3260-150-2500-2-2	2,50	2	2	656
3260-150-2500-3-1	2,50	3	1	688
3260-150-2500-3-2	2,50	3	2	768
3260-150-3000-3-1	3,00	3	1	765
3260-150-3000-3-2	3,00	3	2	845
3260-150-3500-3-1	3,50	3	1	823
3260-150-3500-3-2	3,50	3	2	913
3260-150-4000-3-1	4,00	3	1	880
3260-150-4000-3-2	4,00	3	2	980



BGW bohr GmbH GERMAN QUALITY SINCE 1986

Basic formwork 200 mm

Item no.	Length m	Quantity of magnets	Planking No. of sides	Price €/piece
3260-200-0500-1-1	0,50	1	1	190
3260-200-0500-1-2	0,50	1	2	215
3260-200-0500-2-1	0,50	2	1	290
3260-200-0500-2-2	0,50	2	2	318
3260-200-1000-2-1	1,00	2	1	380
3260-200-1000-2-2	1,00	2	2	408
3260-200-1500-2-1	1,50	2	1	470
3260-200-1500-2-2	1,50	2	2	508
3260-200-2000-2-1	2,00	2	1	560
3260-200-2000-2-2	2,00	2	2	608
3260-200-2500-2-1	2,50	2	1	650
3260-200-2500-2-2	2,50	2	2	708
3260-200-2500-3-1	2,50	3	1	750
3260-200-2500-3-2	2,50	3	2	808
3260-200-3000-3-1	3,00	3	1	840
3260-200-3000-3-2	3,00	3	2	908
3260-200-3500-3-1	3,50	3	1	910
3260-200-3500-3-2	3,50	3	2	1.000
3260-200-4000-3-1	4,00	3	1	980
3260-200-4000-3-2	4,00	3	2	1.080



Standard width of basic formwork: 120 mm (e.g., + 20 mm formwork panel on each side), standard magnets: approx. 900 kg Adhesive force
Surcharge for Adhesive force 1300 kg: €20/piece, different planking heights on request

BGW- basic formwork with wooden cladding and attachment and integrated magnet system HM13

Basic formwork 100 mm

Item no.	Length m	Price €/piece
3261-100-0250	0,25	
3261-100-0500	0,5	
3261-100-1000	1,0	
3261-100-1500	1,5	on
3261-100-2000	2,0	Request
3261-100-2500	2,5	
3261-100-3000	3,0	
3261-100-3500	3,5	
3261-100-4000	4,0	

Basic formwork 150 mm

Item no.	Length m	Price per piece
3261-150-0250	0,25	
3261-150-0500	0,5	
3261-150-1000	1,0	
3261-150-1500	1,5	on
3261-150-2000	2,0	Request
3261-150-2500	2,5	
3261-150-3000	3,0	
3261-150-3500	3,5	
3261-150-4000	4,0	





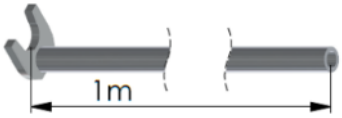
Accessories

Connecting element for base formwork: €40



Coupling element installed

Release lever
Length 1 meter
43.46 €/piece





Attachment for basic formwork
10, 15, 20 cm



Coupling element



Threaded rod

BGW- basic formwork with wooden cladding and attachment

The basic formwork can be used as a universal formwork support with integrated magnets for almost all formwork requirements in precast concrete plants:

- Plate and wall production
- Bar elements (columns/trusses)
- Sandwich and solid walls



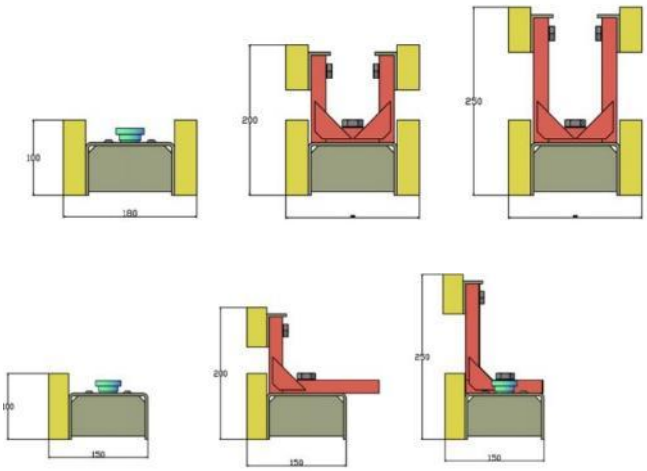
Specifications at a glance:

- Easy handling: attach the formwork panel, move it, and activate the magnet
- Quick height adjustment by replacing the formwork panels
- Basic formwork can also be used without an extension
- Height of 100 mm can be extended to 200/250 mm with extension formwork
- Total width of basic formwork, single-sided version: 150 mm
- Total width of basic formwork, double-sided version: 180 mm
- Basic formwork prepared for the addition of extra extensions
- Length from 2000 mm with eyelets for Crane hooks on request

BGW- HM13 formwork system with wood planking

Version with single-sided composite panels

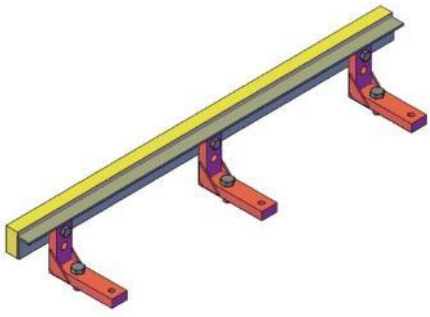
Item no.	Length mm	Magnets piece	Price €/piece
3261-100-0500	500	2	240,50
3261-100-1000	1000	2	351,00
3261-100-1500	1500	2	416,00
3261-100-2000	2000	2	481,00
3261-100-2500	2500	3	611,00
3261-100-3000	3000	3	676,00
3261-100-4000	4000	4	845,00



Formwork extension for BGW formwork system with wooden planking

Delivery includes brackets (painted) and mounting screws

Item no.	Length mm	Angle piece	Price €/piece
3261-A-0500	500	2	61,75
3261-A-1000	1000	3	104,00
3261-A-1500	1500	4	123,50
3261-A-2000	2000	4	169,00
3261-A-2500	2500	4	191,75
3261-A-3000	3000	6	253,50
3261-A-4000	4000	7	318,50



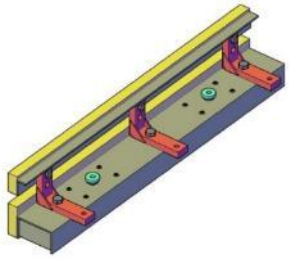
Example equipment for a tilting table:

Basic formwork set

Basic formwork 100 mm incl. extension (200/250 mm)

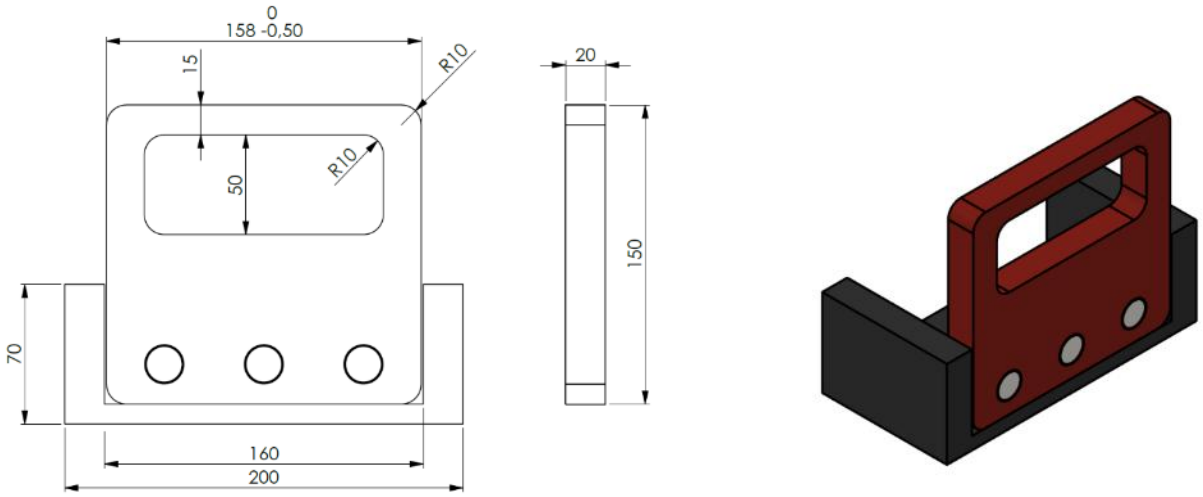
Quantity of pieces	Length	Price incl. extension €/piece
2	4000	1.163,50
2	3000	929,50
2	2000	650,00
2	1000	455,00
2	500	302,25

Total cost / table: €7,000.50



BGW- fixing magnet for transverse shutters

The magnet enables plastic cross supports to be fixed securely and quickly, e.g. in precast slab production. Its precise external dimensions prevent the support from floating and shifting sideways. It is positioned between the two legs of the support on the side formwork of the pallet. The integrated handle makes it easy to position, remove, and carry.



Item no.	Description	Dimensions W x H x D mm	Adhesive force kg	Price €/piece
FMS	Fixing magnet	158 x 150 x 20	50	65
FMS-120	Fixing magnet with high adhesive force	158 x 150 x 20	200	95
FMS 185x50x30	Fixing magnet	185 x 50 x 30	110	85

The external dimensions and adhesive forces can be adapted to alternative applications.





BGW- cross formwork made of special polyurethane

With slots for inserting distribution bars

BGW- cross formwork made of BGW- polyurethane in pink is used in the production of Element ceilings. The length can be freely selected, the height is 70 mm and the width is 200 mm. The distance between the slots for the slab support irons can be freely determined. The slots opposite each other are offset by half the slot distance.

The cross formwork is available with or without built-in magnets.

When ordering, please specify:

- the length
- the spacing between the slots
- magnetic: yes/no

The BGW cross deflector should be ordered approx. 10 mm shorter than the clear belt/pallet width.

The front side can be adapted to the edge of the steel form or the production lanes on request:

- Right-angled formwork
- Lifting bevel 7°
- Bevel: yes / no

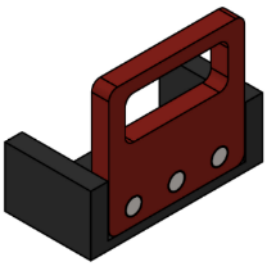
The weight is approx. 5.8 kg/meter

Cross formwork POU

Item no.	Width 200 mm	€/m
Q PU 70/200	Without magnets	150,40
Q PU 70/200M	with magnets	190,70
		€/piece
Q PU Schlitze	each slot	5,00
Q PU Schräge 7°	front side on both sides Bevel 7°	15,20
Q PU Ausklinkung	bottom front notch for three edge border	11,50



Matching fixing magnet
FMS



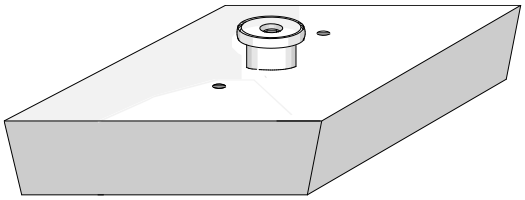
BGW- recess former (ASK) - for magnetic recesses

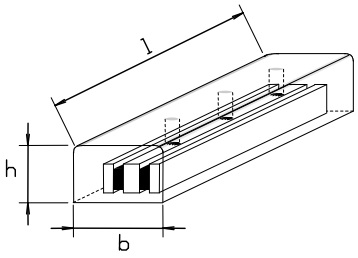
This device, for recessing recesses in precast concrete elements, consists of a conical steel housing with a built-in magnetic clamping mechanism that can be easily and safely operated with the foot.

The recess body, which is open at the bottom, has a flat contact surface and is pulled onto the formwork floor by the clamping mechanism, preventing liquid concrete from penetrating and thus
the formation of unsightly edges with protruding noses.
With the help of the matching release lever, the system can be easily released from the formwork floor and, thanks to its conical shape and the corresponding flow properties of the concrete, removed without any problems after concreting and Compaction. The simple and quick handling also increases work safety.

The separate arrangement of the clamping mechanism and operating knob, as well as the clamping mechanism and steel housing, absorbs the forces exerted on the steel body and magnet during concreting.
The built-in pre-tensioning elements are positioned in a protected manner, making the formwork system less sensitive to contamination. Note: Immerse the recessed body in formwork oil before first use!

This system is environmentally friendly (styrofoam, Plastic) and reusable thanks to its steel housing.
In the event of a defect, the old housing can be easily replaced by releasing 3 screws.
Different shapes (e.g., tapered at the top) and Dimensions are available on request.



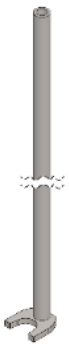


Item no.	Width mm	Length mm	Height mm	Weight approx. kg	Price €/piece
3400	100	100	70	1,4	94,28
3402	150	150	70	2,3	128,33
3404	200	200	70	2,8	132,02
3406	250	250	70	3,4	136,00
3408	300	300	70	4,0	140,61
3410	350	350	70	4,8	145,82
3412	400	400	70	5,6	151,34
3414	100	150	70	2,1	126,49
3416	150	200	70	2,5	129,87
3418	200	250	70	3,1	133,86
3420	250	300	70	3,7	138,46



Adhesive magnet type HM13

Item no.	Description	Weight	€/piece
3350	Adhesive magnet type HM13	1,00 kg	102,26



Accessories/spare parts

Item no.	Description	€/piece
3360	Release lever	43,46
3365	Control knob – anti-magnetic	7,67
3373	Clamping element – steel spring	3,89
56399	Pan head screw M8x12mm	0,38





BGW- holding magnet HM14 - magnets for fixing flush-mounted boxes/empty conduits

This product enables quick fixing of electrical built-in components
(e.g., plug boxes and distribution boxes) on the switchboard.

Advantages at a glance:

- Very high magnetic force
- Clean solution, as no adhesive is required
- Time saving: quick positioning
- Secure hold of the box during the concreting, compaction, and curing process
- Easy removal of magnets after the concreting process
- Long service life thanks to robust materials (PU + steel)
- Can also be adapted to special dimensions
- Note: Before first use, soak the magnets in formwork oil!
- This also provides adequate rust protection and makes it easier to clean the magnets.





BGW magnetic clamps can be used with various manufacturers:

e.g., Spelsberg, Kaiser, Legrand, Elko, Agro, Ammer, ABB, Attema, Fuga



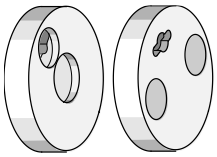



Item no.	Diameter mm	Height mm	Bevel Ø	Adhesive force kg	Price €	Suitable for electrical socket
Magnet HM14-60x25	60	25			40	

BGW- Adhesive magnet type HM8

This magnet system is particularly suitable for attaching Spelsberg boxes to steel formwork. Despite its small size and contact surface, this magnet achieves enormous Adhesive force. The shape of the magnet is specially adapted to Spelsberg boxes, preventing the box from slipping. The magnet can be easily removed from the box using the release key, which is inserted into the opening provided for this purpose.

Item no.	Quantity Magnets	Adhesive force kg	Ø Outside	Price €/piece
HM8-2	2	20	50	35,79
HM8-3	3	30	50	40,90



Key for magnetic holder HM8

Item no.	Price €/piece
SchlüsselHM9	17,90



To prevent cement paste from entering the opening and damaging the built-in component and the magnet system, the built-in component is sealed with adhesive tape.

BGW bohr GmbH GERMAN QUALITY SINCE 1986

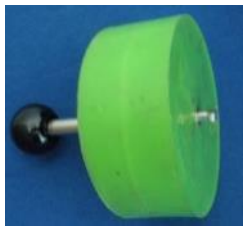
BGW- holding magnet type HM14 – Magnets for attaching round empty pipes such as KG pipes, HT pipes, corrugated pipes, etc.

The round recessed body, equipped with magnets on the underside, is inserted into the pipe to be fastened and placed on the Formwork.

HM14 – Empty conduit fastening made of PU

Item no. Adhesive magnets	Ø Inner mm	Ø Outside mm	Height mm	Adhesive force kg	Weight approx. kg	Price €/piece	
Magnet HM14-14	14		50		0,125		for empty conduit
HM14-17	17	25		9	0,016		for empty conduit
Magnet HM14-22	22		50		0,125		for empty conduit
MagnetHM14-26	26		50		0,125		For empty conduit
HM14-30	28	30		27	0,016		for empty conduit
HM14-40	40		40		0,125		For empty conduit
MagnetHM14-44	44		50		0,125		For empty conduit
HM14-50		50	50				for empty conduit
Magnet HM14-55		55	50		0,125		For empty conduit
Magnet HM14-60		60	40				for empty conduit
Magnet HM14-65		65	40		0,189		For empty conduit
Magnet HM14-70		70	40				for empty conduit
Magnet HM14-80		80	40		0,373		For empty conduit
MagnetHM14-110		110	40				for empty conduit
MagnetHM14-115		115	40				for empty conduit
MagnetHM14-125		125	40				for empty conduit
MagnetHM14-140		140	40				for empty conduit
MagnetHM14-150		150	40				for empty conduit
MagnetHM14-160		160	40		0,970		For empty conduit





HM14 – Empty conduit fastening made of PU with all-round chamfer, for chamfered concrete edges
Available in all diameters up to approx. 250 mm

Examples:





Item no. Adhesive magnets	Ø Inner mm	Ø Outside mm	Height mm	Adhesive force kg	Weight approx. kg	Price €/piece	
MagnetHM14-69		69	50				for empty conduit Top edge with chamfer
MagnetHM14-101		101	50				For empty conduit Top edge with chamfer
HM14-180		190	60				

	Item no.	Price €/piece
Dispenser	80635	22,90
Adhesive tape	802490	2,80





To prevent cement paste from entering the opening and damaging the built-in component and the magnet system, the built-in component is sealed with adhesive tape.

BGW- holding magnet type HM14 – Magnets for attaching round empty pipes such as KG pipes, HT pipes, corrugated conduits, etc.

HM14 – Fastening rectangular flush-mounted boxes

Examples:

Item no. Adhesive magnets	Ø Inner mm	Ø Outside mm	Adhesive force kg	Weight approx. kg	Price €/piece			
HM14-S2		61	70	0,300	73,00	With bevel 68	Height 26	Universal magnet for flush-mounted boxes
HM14-S1		60		0,172			15	Kaiser socket
HM14-S3	62	75	50				18	for Spelsberg box
Magnet HM14-75		75		0,200			50	For socket
Magnet HM14-65V		65					15	for electrical socket
Magnet HM14-60x25								for socket
Magnet HM14								for socket
HM14-52x52							14	For socket
HM14-52x110								For socket outlet
HM14-45x70								for socket outlet
HM14-45x45								for socket outlet

Key for magnetic holder HM8

Item no.	Price €/piece
SchlüsselHM9	17,90





BGW- holding magnet type HM14 – Magnets for attaching round empty pipes such as KG pipes, HT pipes, corrugated conduits, etc.

HM14 made of polyurethane

There is a magnet system in the front end, the body is cylindrical and has an edge-breaking chamfer approx. 7x7mm around the magnetic front end.

Item no. Adhesive magnets	Ø Sleeve mm	Ø mm	Height mm	for Pipes	Weight approx. kg	Price €/piece
MagnetHM14-100-114	100	114	40	KG	0,350	70,00
MagnetHM14-103,2-117,2	103,2	117,2	40	KG		
MagnetHM14-117,5-131,5	117,5	131,5	40	KG	0,600	
MagnetHM14-150-164	150	164	40	KG	0,900	102,00
MagnetHM14-189-203	189	203	40	KG	1,500	



HM14 made of polyurethane

There is a magnet system in the front end, the body is cylindrical

Item no. Holding magnets	Ø Sleeve mm	Height mm	for Pipes	Weight approx. kg	Price €/piece
MagnetHM14-100-100	100	40	KG, HT		
MagnetHM14-125-125	125	40	KG	0,550	85,00
MagnetHM14-150-150	150	40	KG, HT		
MagnetHM14-200-200	200	40	KG	1,600	155,00



BGW- holding magnet type HM14 for fixing rectangular and square pipes - (corrugated conduits)

HM14 provides a reliable magnetic fastening solution to ensure that corrugated pipes are held securely in place and prevented from slipping or floating during concreting on steel formwork.

Square pipes

Item no.	LxW	Height	Adhesive force	Weight	Price
HM14-Q50x50	50x50	55	35 kg	0,18 kg	65
HM14-Q60x60	60x60	55	35 kg	0,26 kg	68
HM14-Q70x70	70x70	55	35 kg	0,35 kg	74
HM14-Q80x80	80x80	55	70 kg	0,46 kg	85
HM14-Q100x100	100x100	55	70 kg	0,72 kg	98
HM14-Q130x130	130x130	55	140 kg	1,20 kg	165
HM14-Q200x200	200x200	55	140 kg	2,90 kg	245

Rectangular tubes

Item no.	LxW	High	Adhesive force	Weight	Price
HM14-R70x50	70x50	55	35 kg	0,25 kg	65
HM14-R100x63	100x63	55	35 kg	0,45 kg	85
HM14-R130x60	130x60	55	70 kg	0,56 kg	93
HM14-R140x90	140x90	55	70 kg	1,30 kg	125
HM14-R170x110	170x110	55	130 kg	1,40 kg	155
HM14-R200x100	200x100	55	130 kg	1,50 kg	175
HM14-R200x150	200x150	55	130 kg	2,20 kg	215



BGW- magnetic formwork bar HM15 made of Steel sheets with built-in magnets

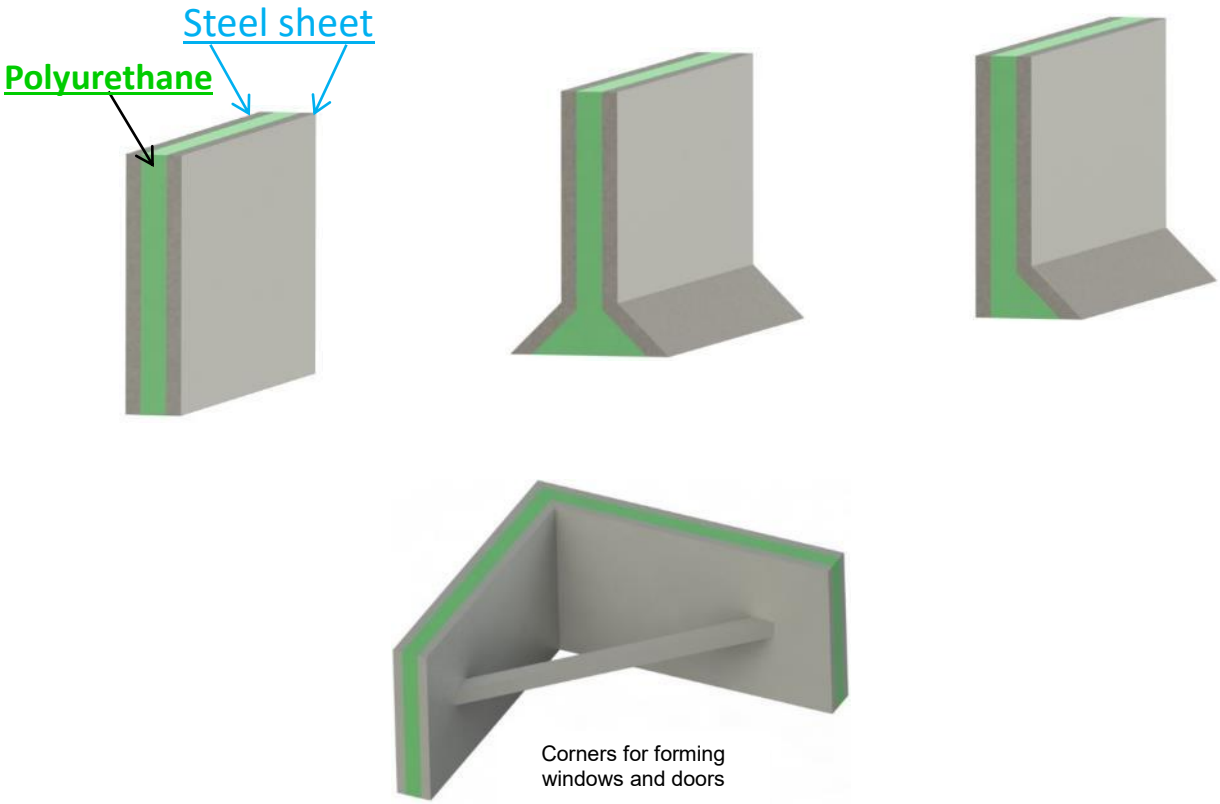
- Formwork as edge formwork, also as a partition
For forming all types of precast concrete elements

The magnetic formwork strip is used for forming ceiling plates, balcony slabs, double walls, partition walls, window and door frames, wall openings, openings in garage construction, etc. The two formwork surfaces of the formwork strip are made of steel, between which the magnet system is encased in plastic (dimensionally stable) to protect it from formwork oil, vibrations, and impacts. The contact surfaces (adhesive surfaces) are planed at right angles to the formwork side.

During formwork, the formwork strip is pulled onto the formwork floor in a form-fitting manner and does not float, which prevents the concrete from bleeding and ensures precise edge formation. During formwork, several strips can be lined up one behind the other or placed on top of each other without offset, as they attract each other magnetically in a form-fitting manner due to their opposite polarity (1 side north pole / 1 side south pole). Magnetic grouting grooves can also be attached to the sides, for example.

The strip can be cut to the desired length with a hacksaw without damaging the magnetic adhesion (the magnetic field). Holes can be drilled into the formwork strip to attach diagonal bracing. The sound strips are lightweight (4 kg per meter at a height of 70 mm) and are therefore easy to transport and handle, which also increases work safety. The strip is smooth and has no corners that are prone to dirt, making it easy to clean. Thanks to its compact design, the formwork strip can be stored in a space-saving manner, stacked flat side on top of each other or standing side by side on a shelf.

The HM15 sound bar is available in two versions with different magnets.
Variant F: Sound bar with ferrite magnets, Adhesive force 150 kg/m
Variant N: Sound bar with neodymium magnets, Adhesive force 280 kg/m
Alternatively, variant N can also be supplied with an adhesive force of 450 kg/m. Price on request.



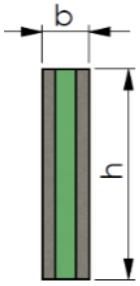
BGW bohr GmbH GERMAN QUALITY SINCE 1986

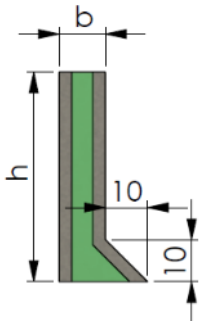
BGW- magnetic formwork bar HM15 – formwork for edges, also as a partition strip

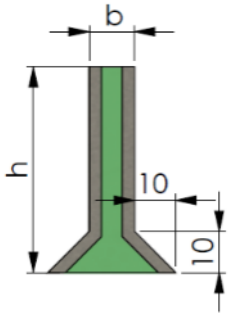
Instructions for use:

- Oil the formwork strip
- Place on clean formwork base (brace in a T-shape for tall parts)
- Precast the finished part (the top can be finished with sharp edges, no radii on the finished part)
- After lifting the precast element, remove the formwork strip from the formwork using a release fork

Caution: Wear gloves due to sharp edges!

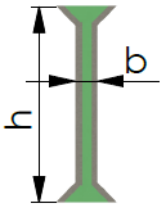


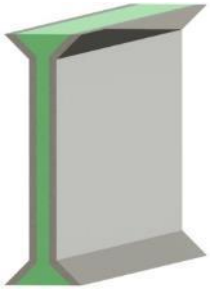




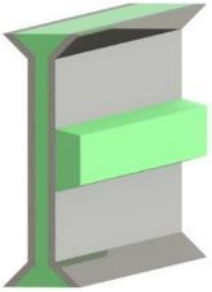
Item no. Variant F	Item no. Variant N	Height h mm	Width b [mm]	Bevel 10x45° (standard)	Price €/m Var. F	Price €/mtr. Var. N
31000-F	31000-N	50	11	without	102,00	153,00
31001-F	31001-N	50	11	single-sided	105,00	157,50
31002-F	31002-N	50	11	both sides	108,00	162,00
31003-F	31003-N	60	11	without	112,00	169,00
31004-F	31004-N	60	11	one-sided	115,00	172,50
31005-F	31005-N	60	11	both sides	118,00	177,00
31006-F	31006-N	65	11	without	118,00	177,00
31007-F	31007-N	65	11	single-sided	121,00	181,50
31008-F	31008-N	65	11	both sides	124,00	186,00
31009-F	31009-N	70	11	without	124,00	186,00
31010-F	31010-N	70	11	single-sided	127,00	190,50
31011-F	31011-N	70	11	both sides	130,00	195,00
31012-F	31012-N	75	11	without	130,00	195,00
31013-F	31013-N	75	11	single-sided	133,00	199,50
31014-F	31014-N	75	11	both sides	136,00	204,00
31015-F	31015-N	80	11	without	136,00	204,00
31016-F	31016-N	80	11	single-sided	139,00	208,50
31017-F	31017-N	80	11	both sides	142,00	213,00
31018-F	31018-N	100	11	without	150,00	225,00
31019-F	31019-N	100	11	single-sided	153,00	229,50
31020-F	31020-N	100	11	both sides	156,00	234,00
31021-F	31021-N	120	11	without	164,00	246,00
31022-F	31022-N	120	11	single-sided	167,00	250,50
31023-F	31023-N	120	11	both sides	170,00	255,00
31024-F	31024-N	140	11	without	184,00	276,00
31025-F	31025-N	140	11	single-sided	187,00	280,50
31026-F	31026-N	140	11	both sides	190,00	285,00
31027-F	31027-N	150	11	without	202,00	303,00
31028-F	31028-N	150	11	single-sided	205,00	307,50
31029-F	31029-N	150	11	both sides	208,00	312,00
31030-F	31030-N	180	11	without	230,00	345,00
31031-F	31031-N	180	11	single-sided	233,00	349,50
31032-F	31032-N	180	11	both sides	236,00	354,00
31033-F	31033-N	200	11	without	250,00	375,00
31034-F	31034-N	200	11	single-sided	253,00	379,50
31035-F	31035-N	200	11	both sides	256,00	384,00

Maximum length: 4 m





Sound bar with chamfer on both sides – bottom and top



Sound bar with magnetic casting groove attached to the side

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- HM16 for fixing anchor channels

Magnetic system for attaching C-shaped anchor rails to steel formwork with hammer head locking for secure seating (connection) of the anchor rail and magnetic system, as well as secure adhesion to the steel formwork.
The fixing system consists of a magnetic strip. The magnetic material is neodymium. The magnetic strip is encased in Plastic to protect the magnetic system and prevent unwanted adhesion to the base of the rail.
To fix the anchor rail to the steel formwork, insert the magnetic strip into the anchor rail with the non-adhesive side facing down, and use a screwdriver or a 5-cent piece of coin to turn the locking element 90° so that it engages behind the profile. To prevent the magnetic strip from slipping in the profile slot, after alignment, the grub screw in the locking part is screwed in with a 3 mm Allen key until it reaches the base of the Anchor rails. This then secures the magnetic strip in the Anchor rails by pressing the locking element against the undercuts of the profile. The magnet system then aligns itself with the formwork side on this axis.



It is important that the magnetic strip is protected with a thick layer of release agent and the locking element, thread, and grub screw are protected with a thick layer of grease (against concrete) before installation in the anchor rail.
The entire length of the magnetic strip, including the anchor rails, must be protected from concrete penetration with a thin adhesive strip, e.g., packing tape. After stripping the formwork, remove the adhesive strip, unlock the magnet, attach the magnetic strip to a Flat iron and remove it from the anchor rails. Keep the magnet system clean!

BGW- HM16 with an internal lock

Length: 100 mm

Item no.	Profile type	Length	Adhesive force kg	Weight kg	€/piece
HM16-28/15K-100	28/15K	100	32	0,100	43,00
HM16-38/17K-100	38/17K	100	60	0,150	64,00

Length: 125 mm



Item no.	Profile type	Length mm	Adhesive force kg	Weight kg	Price €/piece
HM16-HAC-20W	20W	125	40	0,120	52,00

Length: 150 mm

Item no.	Profile type	Length mm	Adhesive force kg	Weight kg	Price €/piece
HM16-28/15K-150	28/15K	150	40	0,140	43,00
HM16-38/17K-150	38/17K	150	75	0,220	64,00
HM16-40/25K-150	40/25K	150	75	0,400	75,00
HM16-49/30K-150	49/30K	150	75	0,500	80,00
HM16-50/30K-150	50/30K	150	75	0,450	80,00
HM16-53/34K-150	53/34K	150	75	0,600	85,00
HM16-72/48K-150	72/48K	150	75	1,150	100,00
HM16-40/22W-150	40/22W	150	75	0,320	64,00
HM16-50/30W-150	50/30W	150	75	0,450	80,00
HM16-52/34W-150	52/34W	150	75		
HM16-53/34W-150	53/34W	150	75	0,600	85,00
HM16-72/48W-150	72/48W	150	75	1,150	100,00
HM16-HAC-30W-150	30W	150	75	0,450	82,00
HM16-HAC-40W-150	40W	150	75	0,400	82,00
HM16-HAC-50W-150	50W	150	75	0,420	82,00

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- HM16 for fixing anchor channels

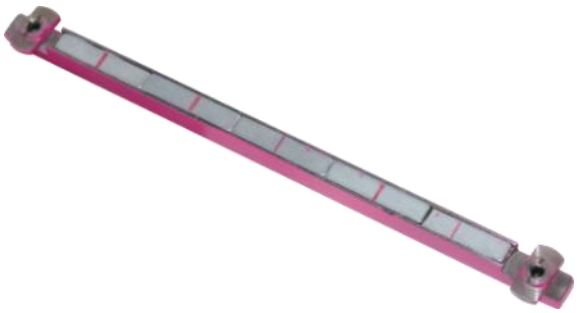
Length: 200 mm

Item	Profile type	Length mm	Adhesive force kg	Weight kg	Price €/piece
HM16-28/15K	28/15K	200	70	0,200	46,00
HM16-38/17K	38/17K	200	100	0,300	66,00
HM16-40/25K	40/25K	200	100	0,450	77,00
HM16-49/30K	49/30K	200	100	0,700	82,00
HM16-50/30K	50/30K	200	100	0,600	82,00
HM16-53/34K	53/34K	200	100	0,750	87,00
HM16-72/48K	72/48K	200	100	1,500	102,00
HM16-40/22W	40/22W	200	100	0,450	66,00
HM16-50/30W	50/30W	200	100	0,600	82,00
HM16-52/34W	52/34W	200	100		
HM16-53/34W	53/34W	200	100	0,750	87,00
HM16-72/48W	72/48W	200	100	1,500	102,00
HM16-HAC-30W	30W	200	100	0,600	84,00
HM16-HAC-40W	40W	200	100	0,450	84,00
HM16-HAC-50W	50W	200	100	0,500	84,00

BGW- HM16 with two external locks

Length: 240 mm

Item no.	Profile type	Length	Adhesive force kg	Weight kg	€/piece
HM16-28/15K2-240	28/15K	240	85	0,250	65,00
HM16-38/17K2-240	38/17K	240	125	0,350	85,00
HM16-40/25K2-240	40/25K	240	125	0,500	96,00
HM16-49/30K2-240	49/30K	240	125	0,800	101,00
HM16-50/30K2-240	50/30K	240	125	0,700	101,00
HM16-53/34K2-240	53/34K	240	125	0,850	106,00
HM16-72/48K2-240	72/48K	240	125	1,800	111,00
HM16-40/22W2-240	40/22W	240	125	0,500	96,00
HM16-50/30W2-240	50/30W	240	125	0,700	101,00
HM16-52/34W-240	52/34W	240	125		
HM16-53/34W2-240	53/34W	240	125	0,850	106,00
HM16-72/48W2-240	72/48W	240	125	1,800	111,00
HM16-HAC-20W2-240	20W	240	125	0,250	72,00
HM16-HAC-30W2-240	30W	240	125	0,650	104,00
HM16-HAC-40W2-240	40W	240	125	0,500	104,00
HM16-HAC-50W2-240	50W	240	125	0,550	104,00



Here is the video tutorial - Removing magnets for fixing Anchor rails:
https://www.bgw-bohr.de/video/2021-04-13_Ausbauen_von_Magneten_zum_Fixieren_von_Ankerschienen.avi

BGW- holding magnet type HM17 – Round hole saw magnet

for opening and magnetically securing reinforcement connection boxes

The BGW- HM17 magnetic holding system is used to fasten various built-in components such as bar connectors or connecting loops using magnetic force.

Advantages of the system at a glance:

- Clean fastening of built-in components
- No more adhesive required
- High adhesive force
- Positioning of built-in components
- No more slipping
- Use with standard drills
- Also suitable for thin sheet metal boxes



BGW- HM17 sawtooth magnet

This product is used to attach reinforcement bend-back connections connections to steel formwork. The innovative combination combination of hole saw, clamping thread, and adhesive magnet, makes conventional and time-consuming adhesive methods unnecessary.



Item no.	Ø mm	Magnetic inserts	Adhesive force kg	Price €/piece
HM17-35 Säge	35	5	25	63,00
HM17-65 Säge	65	5	80	78,00

Drill drive shaft – universal for both sizes with 6 mm hexagon

Item no.	Price €/piece
HM17-Antrieb	18,00

BGW- HM17 holding magnet – Innovative magnetic solution from BGW

For attaching connecting rails to steel formwork

BGW- Bohr GmbH, Steinfeld, Germany, has developed a new type of magnet system for attaching cast-in parts such as bar connectors or connecting loops to at least partially ferromagnetic Formwork. BGW established itself on the market as a competent partner to the precast concrete industry many years ago. The product range extends from traditional transport anchor techniques and customer-specific special products to complete formwork concepts for precast production. Furthermore, the company continues to attract attention with innovative solutions, all of which pursue the goal of making production in precast plants even more efficient and profitable.

To this day, visitors to any concrete plant are presented with the same picture: a wide variety of methods are used to attach return bends, connecting loops, connecting rails, or other cast-in parts to the Formwork. Although fastening methods such as gluing or nailing have been in use for years, they also have some disadvantages that should not be underestimated. Nailing or screwing, for example, is problematic with steel formwork, and the rails and formwork are damaged by the nailing. An alternative is gluing with double-sided adhesive tape or hot glue, but this requires the Formwork to be degreased and smooth. In addition, adhesive materials are expensive and can only be used once. BGW has developed a real alternative to these conventional methods with the saw magnet.

BGW- HM17 adhesive magnet – Innovative magnetic solution from BGW

This is a reusable magnetic device which, thanks to its saw teeth on the non-magnetic underside, can be drilled into the plastic or sheet metal covers of the housings to be fastened using a standard cordless screwdriver. Using the thread screwed onto the outside of the magnet body, the saw magnet is sunk further into the housing until the magnetic front surface and the side of the component facing the Formwork are flush.

The casting element to be fastened can now be positioned at any point on the Formwork and is securely fixed during casting and curing thanks to the high Adhesive force of the magnet. In addition, several adhesive elements can be used evenly over the length of a profile if required. The magnet can either be removed with the Formwork or remain in the casting element, be removed from it later, and be reused.

The advantages of the saw magnet are obvious:

- For example, fastening with magnets eliminates the need for gluing. This makes you independent of fixed gluing stations, and the fixation with magnets is also much stronger.
- Quick and easy handling: Magnets can be attached and released again using a standard cordless screwdriver. The universal drive shaft is suitable for all magnet diameters.
- Versatile use: Available in different versions and with different adhesive forces, the saw magnet is ideal for use with a wide variety of products (see photos).
- Made of hardenable steel, even thin sheets can be pierced. Furthermore, the magnet has a long service life, making it an investment in the future
- The product was first presented to the public at the Ulm Concrete Days 2003. The thoroughly positive reactions of visitors were underscored by comments ranging from "clever" to "ingenious."
- Like almost all BGW products, this one is also manufactured in-house on the company's own production facilities. This makes it possible to respond to special customer requests at short notice.





BGW- holding magnet type HM18 - Rectangular magnetic body made of polyurethane for holding the Formwork in place

Very lightweight and ergonomically shaped magnet made from robust PU material.

The BGW HM18 magnetic holder is particularly suitable for fixing wooden and steel formwork during the production of precast concrete elements and for in-situ concrete steel formwork. Window and door recesses made of wood or steel can be securely fixed in place to prevent them from shifting sideways. The nail holes in the front of the magnet allow wooden formwork to be screwed or nailed directly onto it and fixed at right angles to the formwork floor. The integrated handle enables the magnet to be positioned and removed safely and easily.
The PU plastic used is characterized by its very low weight and smooth surface and does not swell during the concreting process.

Instructions for use: Magnetic elements should always be immersed in formwork oil before first use. Furthermore, thorough cleaning of the magnets after each concreting process and re-treatment with formwork oil significantly increases their service life.

Advantages at a glance:

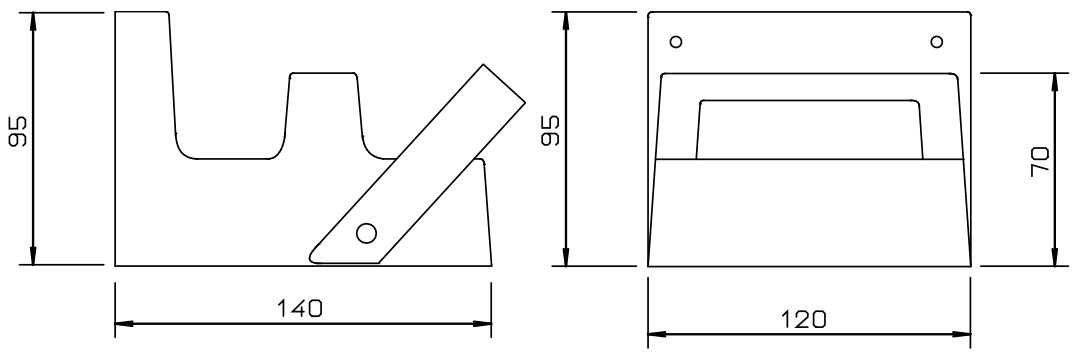
- Very low weight: approx. 1.6 kg
- Various adhesive forces
- Robust magnet body
- No danger from sharp metal edges
- Easy handling
- Only the underside is magnetic
- High level of occupational safety
- Low maintenance
- Dimensionally stable
- Smooth, low-adhesion surface





Item no.	Adhesive force	Dimensions in mm				Price
	kg	h1	H2	B	L	€/piece
HM18-1-100	100	95	40	120	140	150,00
HM18-1-150	150	95	40	120	140	170,00
HM18-1-300	300	95	40	120	140	190,00

Special dimensions available on request, e.g., h1=135 mm – with a minimum purchase quantity of 20 pieces.



BGW- holding magnet type HM19 – Magnet box for flanging of formwork

- in various lengths and heights

The HM19 product family – the lightweight magnets with high Adhesive force from BGW- magnetic holders for concrete formwork construction. The convenient solution.

The flexible magnet systems are used in precast concrete plants for forming walls, stairs, etc. with steel formwork, on the one hand to avoid welding the formwork to the steel formwork floor and on the other hand to enable the transition between steel and wooden formwork.

The difference between the HM19 and other magnet systems is the difference in weight between the Adhesive force and the dead weight of the magnet system.

Today: approx. 1 kg magnet > 1000 kg Adhesive force
Previously: approx. 10 kg magnet > 1000 kg Adhesive force.

The advantage of the HM19 magnet system:
high Adhesive force, less weight, and less space required.

The formworker can easily apply several thousand kilograms of Adhesive force to the formwork at once – with one hand. For this purpose, openings are incorporated into the stop plate.

The formworker places one stop plate against the other and can then pick up both magnet boxes with one hand, without the risk of the magnet boxes sticking together due to magnetic attraction and the employee being seriously injured by having their hands and fingers crushed between them.

The BGW- HM19 magnet systems have a recessed installation and must be switched on with force so that the built-in magnet system can adhere to the steel formwork base.

Upon request, the BG will subsidize 20% of the acquisition costs of such systems (submit your request to your BG).



BGW- holding magnet type HM19 for flanging of formwork in various lengths and heights

Handling the magnet box:

Before switching the magnet boxes, the adhesive side of the magnets and the surface of the steel formwork base must be bare metal and flat.
Each magnet box has at least two stop plates. One longitudinal and one transverse at a right angle (90°) to the steel formwork base.
The longitudinal stop plate has openings for reaching through. Both stop plates have holes for attaching the longitudinal, transverse, and corner formwork.
Magnetic boxes are positioned at 90° across the formwork to provide shear support.
The smaller magnetic boxes with an adhesive force of up to 900 kg are available in right-hand and left-hand corner versions, while the stronger ones are available in a combined right-hand/left-hand corner version.

The formwork boxes can be attached to the formwork during formwork construction, so that the new formwork only needs to be placed on the steel formwork floor and the switch buttons of the magnetic boxes switched on to secure the formwork.
When the magnetic boxes are switched on, they are tightened onto the steel formwork floor.
The magnetic box does not adhere when placed on the steel formwork floor; it can be positioned freely. Only when the switch button is pressed down firmly toward the steel formwork floor does the magnet switch and become magnetically connected to the
steel formwork floor.

Magnet box HM19 for flanging of formwork

The adhesive force of the basic version can be doubled by replacing the magnets.

Item no.	Adhesive force kg	Length mm	Width mm	Formwork plate Height	Extension design	Price / piece
32101	900	210	60	200	R	160,00 €
32102	900	210	60	200	L	160,00 €
32103	1300	350	60	200	R+L	240,00 €
32104	1300	350	60	200	R+L	240,00 €
32105	900	210	120	200	R	180,00 €
32106	900	210	120	200	L	180,00 €
32107	1800	210	120	200	R	260,00 €
32108	1800	210	120	200	L	260,00 €



BGW- holding magnet type HM20 (garage formwork) for attaching and holding down formwork

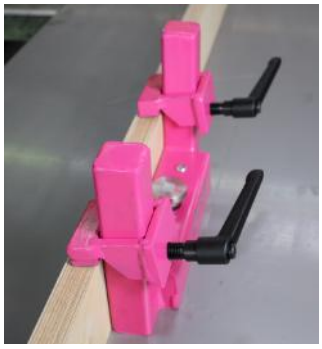
The BGW- Magnetic Holder HM20 is based on the basic module of the HM13 product family – the lightweight models with high Adhesive force for concrete formwork construction. The advantage of the HM20 magnetic system: high Adhesive force, less weight, and less space required. The convenient solution.

By tightening the adjustable toggle handles on the double columns, the hold-downs press the Formwork at a right angle onto the formwork floor.
This enables the formwork to be set up precisely on the formwork floor at any formwork height.
The hold-down clamps are interchangeable and can be adapted to the installation situation.



Advantages/Overview

- Prevents vertical and horizontal drifting of the formwork.
- Exactly angled precast parts thanks to precise angular stops on the hold-down columns.
- Eccentrically adjustable toggle handle.
- Switchable magnet with steel springs.
- Application/Quickly interchangeable structure.
- Flexible application / magnetic elements can be used for
- various Formwork.



Item no.	Adhesive force kg	Length mm	Width mm	Clamping height mm	Extension design	Price / piece
32109	900	210	60	200	40 x 40	190,00€
321010	900	210	60	On request Max. 450	40 x 40	
321011	1300	350	60	200	40 x 40	290,00€
321012	1300	350	60	On request Max. 450	40 x40	
321013	900	210	120	200	40 x 40	230,00€
321014	900	210	120	On request Max. 450	40 x 40	
321015	1800	210	120	200	40 x 40	310,00€
321016	1800	210	120	On request Max. 450	40 x 40	

Upon request, the acquisition costs of such systems are sometimes subsidized by the BG at a rate of 20% (submit your request to your BG).

BGW- holding magnet type HM20 -1 for flanging on Formwork

for attaching and holding formwork in place

The BGW- HM20-1 holding magnet is based on the basic module of the HM13 product family – the lightweight magnets with high Adhesive force for concrete formwork construction. The advantage of the HM20-1 magnet system: high Adhesive force, less weight, and less space required. The convenient solution. The formwork can be attached to the magnet system at right angles on two sides, at the front and along the length. By tightening the adjustable toggle handle, the hold-down clamp presses the formwork at a right angle onto the formwork base. This enables the formwork to be set up precisely on the formwork base at any formwork height. The hold-down clamp is interchangeable and can be adapted to the installation situation.



Advantages/Overview

- Prevents vertical and horizontal drifting of the formwork.
- Exactly angled precast elements thanks to precise angular stop on the hold-down columns.
- Eccentrically adjustable toggle handle.
- Switchable magnet with steel springs.
- Application/Quickly interchangeable structure.
- Flexible application / magnetic elements can be used for
- various Formwork applications.



Item no.	Adhesive force kg	Length mm	Width mm	Clamping height mm	Extension design	Price €/piece
32109-1	900	210	60	450	40 x 40	190,00
321011-1	1300	350	60	450	40 x 40	290,00
321013-1	900	210	120	450	40 x 40	230,00
321015-1	1800	210	120	450	40 x 40	310,00

BGW- Holding-down clamp

The hold-down clamp is interchangeable and can be adapted to the installation situation. Of course, a screw clamp can also be attached to the rectangular column to secure the Formwork.

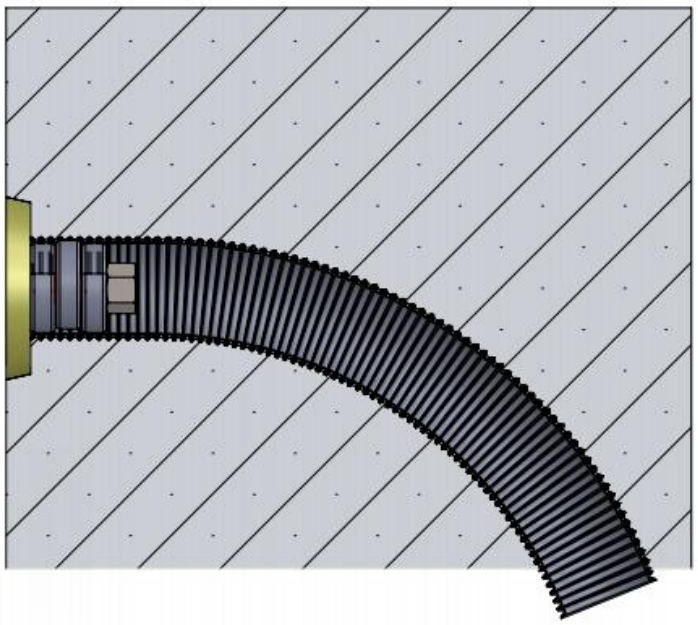
Item no.	Price €/piece
HM20-0	35,00



BGW- holding magnet type HM21 for securely holding built-in electrical components

BGW- holding magnet type HM21 Eccentric spreader e

E magnetic eccentric spreader



The BGW eccentric spreader is suitable for securely holding circular objects such as electrical conduits, HT and KG corrugated pipes, heating pipes, etc. with diameters ranging from 10 to 250 mm.

How does the eccentric spreader work?

Before use, the tool must be well protected with release agent. The pin of the eccentric spreader must be 1 to 2 mm smaller
than the cylindrical component. This must be fixed in place during concreting.

Options:

The pin of the eccentric spreader is inserted into the component and turned with a special Allen key until the component is firmly seated on the pin of the eccentric spreader.

Now the cylindrical component is placed on the steel formwork with the magnetic eccentric spreader.

Alternatively, the BGW magnetic eccentric spreader is placed on the installation site of the steel formwork. The built-in component
(Pipes) are placed on the pins and
The pipes are turned on the pins of the magnetic eccentric spreader until they are firmly seated. Once the concrete has hardened
, the magnetic eccentric spreader is removed from the concrete part again.

When the magnetic eccentric spreader is in the concrete part, you can use the special Allen key to turn the spreader back to the open position. To do this, attach the special tool to the magnetic side of the spreader and
the handle on this tool to remove the loose eccentric spreader from the component.

Special solutions:

Our magnetic eccentric spreader is suitable for circular bodies with a diameter of Ø 10–250 mm. Please contact us directly to request a customized solution.





BGW- holding magnet type HM21

**The magnetic clamping spreader is designed for securely holding electrical boxes, circular objects such as electrical conduits,
corrugated pipes, HT and KG pipes, as well as heating pipes, etc., with a diameter of 10 mm to 250 mm**

How does the clamping spreader work with a flush-mounted box?

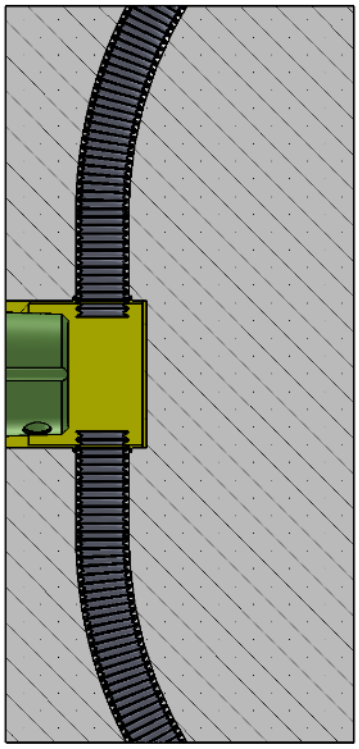
Protect the tool well with a release agent. The clamping spreader must have the same shape as the flush-mounted box, which must fit onto the clamping spreader. The clamping spreader is pressed onto the flush-mounted box, pushing the clamping devices back into the magnetic spreader, which clamps it firmly to the flush-mounted box.

To prevent cement paste from entering the opening and damaging the built-in component and the magnet system, the built-in component is sealed with adhesive tape.

The same system also applies to all other built-in components, which can also have different shapes, such as squares, rectangles, and even undercuts.

After the component has been finished, the magnetic clamping spreaders must be removed using a ferritic removal tool.

Special solutions: Our magnetic ball clamping spreader is suitable for circular bodies with a diameter of Ø 10–250 mm. Ask us directly for a customized solution!





	Item no.	Price €/piece
Dispenser	80635	22,90
Adhesive tape	802490	2,80





To prevent cement paste from entering the opening and damaging the built-in component and the magnet system, the built-in component is sealed with adhesive tape.

BGW- holding magnet type HM21 for secure holding

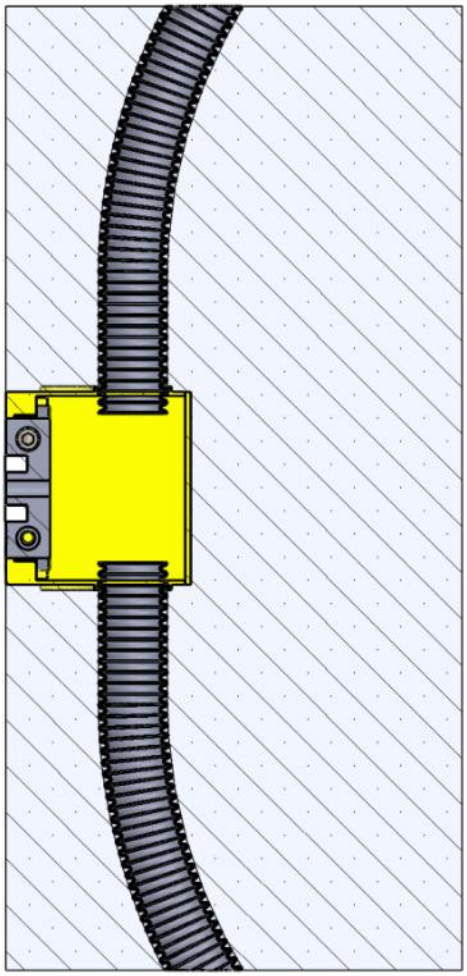
S magnetic spreader, split

The BGW HM21-S is suitable for securely holding rectangular, square, triangular, circular, hollow bodies such as all flush-mounted boxes, electrical conduits, corrugated conduits, HD and KG heating pipes, etc. from Ø 10 mm to 250 mm.

Video tutorials: https://www.youtube.com/watch?v=cNuYdROy-3g

How this tool works!

The body is made of plastic and metal.
Adhesive magnets are attached to the underside.
The body is divided, and there are springs in the division that push the body of the spreader apart to a limited extent. When inserting it into a flush-mounted box, the spreader is compressed with special pliers and installed in this flush-mounted box.
The flush-mounted box with the magnetic spreader is placed on the steel formwork.
The magnetic spreader is removed from the built-in flush-mounted box using special pliers.



Special solutions:

Our split magnetic spreader is suitable for circular bodies with a diameter of Ø 10–250 mm. Please contact us directly to request a customized solution.



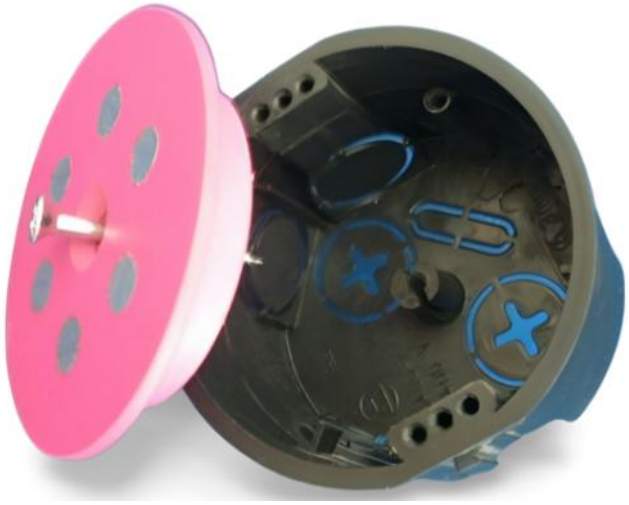


BGW- holding magnet for the installation of flush-mounted boxes in precast concrete plants

This plastic magnet body, with a stop on the front side at the edge of the box, is screwed into the hole in the magnet body using a suitable Ø 4.5 mm thick, approx. 50 mm or 70 mm long wood screw until it emerges from the flush-mounted box on the rear side and the magnet body is firmly connected to the flush-mounted box. It is advisable to use a cordless screwdriver to screw in the wood screw. The flush-mounted box with the firmly attached magnetic body can now be placed on the steel formwork. Once the concrete has hardened, the wood screw is unscrewed and the magnetic body is removed from the flush-mounted box.

As with all items that are to be removed from the concrete and reused, they must be protected with a release agent to prevent the concrete from sticking. Treat the magnet body with a release agent before installing it in the flush-mounted box.

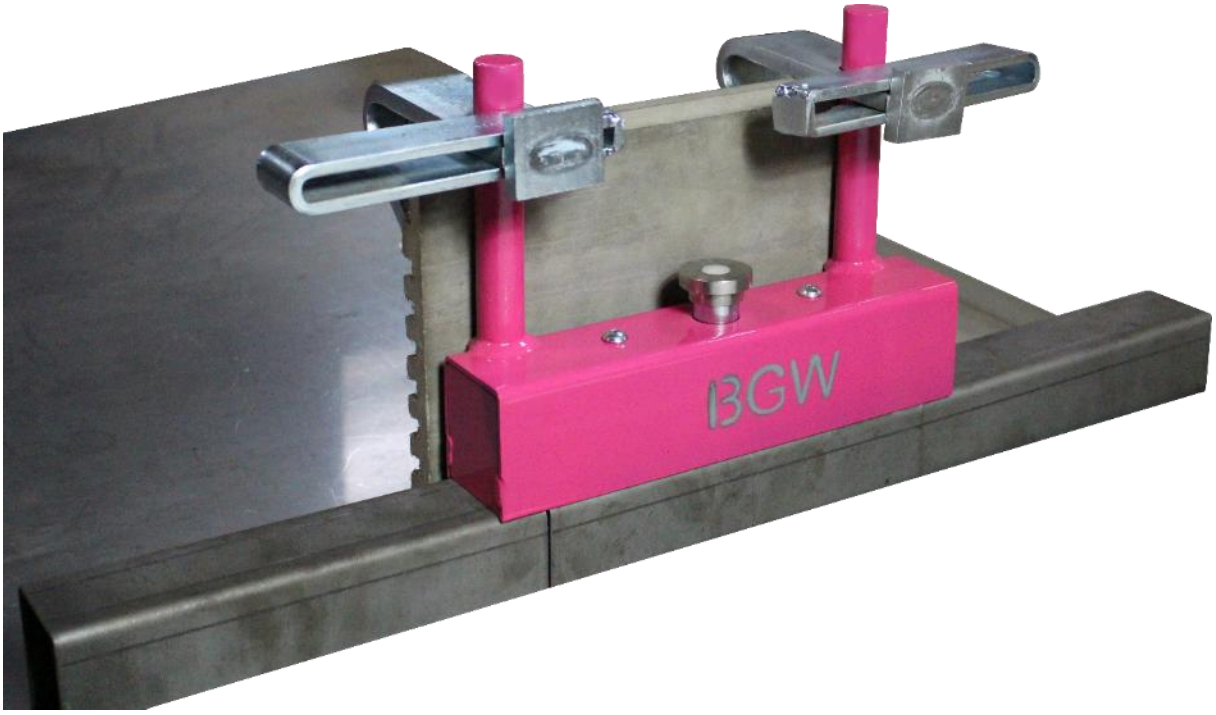
Item no.	Name	Ø Box edge	Ø Inside	Adhesive force kg	Height mm	PU pcs	Price per unit
HM14-73-55	Can holder	73	55	25	14	1	75



Item no.	Name	Ø mm	Length mm	PU Piece	Price per unit
563712	Wood screw	4,5	50	10	0,20
563713	Wood screw	4,5	70	10	0,20
563714	Torx T 10			1	5,00



BGW- holding magnet type HM22 – for attachment to edge formwork



The BGW- HM22 magnetic holder is based on the basic module of the HM13 product family – lightweight products with high Adhesive force for concrete formwork construction. The advantage of the HM22 magnetic system: high Adhesive force, less weight, and less space required. The convenient solution.

For mounting on the edge formwork. This allows the space of the formwork floor to be fully utilized. The clamping columns of the magnets protrude downwards, so that the usual lifting slope becomes a straight, i.e., 90° stop. With the 90° double columns, the formwork—fiber concrete upstand—can be attached securely using the clamping claws.

Advantages/Overview

- Prevents vertical and horizontal drifting of the formwork.
- Exactly angled precast elements thanks to precise angled
- 90° stop on the hold-down columns.
- Switchable magnet with steel springs.
- Application/Quickly interchangeable design.
- Flexible application / magnetic elements can be used for
- various Formwork applications.



Item no.	Adhesive force kg	Length mm	Width mm	Clamping height mm	Price €/unit
32110	900	300	60	240	240,00
32111	1300	350	60	240	340,00

BGW- holding magnet type HM23 - neodymium version of HM6 for fixing upstands



The BGW- HM23 holding magnet is based on the basic module of the HM13 product family – the lightweight magnets with high Adhesive force for concrete formwork construction.
The advantage of the HM23 magnet system: high Adhesive force, less weight, and less space required.
The convenient solution.

Advantages/Overview



- Prevents vertical and horizontal drifting of the formwork.
- Exactly angled precast parts thanks to precise 90° stops on the hold-down columns.
- Switchable magnet with steel springs.
- Application/Quickly interchangeable setup.
- Flexible application / Magnetic elements can be used for different Formworks.

Item no.	Adhesive force kg	Length mm	Width mm	Clamping height mm	Price €/unit
32112	900	300	60	240	240,00
32113	1300	350	60	240	340,00

BGW- HM24 for fixing connecting loops

Function of the HM24:

You can watch the video by clicking on the link below.
The magnet body adheres on both sides, on one side to the steel formwork and on the back to the box, ensuring that the VS connecting loop remains fixed.

Item no.	Adhesive force kg/side	Length mm	Width mm	Height mm	Weight kg	Price €/piece
HM24-1	55	40	35	25	0,250	92,00



Assembly video instructions at:
https://www.bgw-bohr.de/video/BGW_Magnet_fuer_Verbindungsschlaufen.avi

BGW- shuttering hold-down magnet HM25

Strong magnet with hinged centering for continuous use

Tried-and-tested magnet system with hold-down arm and conical formwork centering.

The magnet body consists of iron plates, which are magnetically aligned in a north-south direction and made of plastic-bonded ferrite material. The tie rods running through the magnet body are made of Stainless steel so that the field lines in the magnet system are not weakened or disturbed, which would reduce the adhesive force. The release lever is built into the magnet body and does not protrude from the side.

With this system, the magnet remains on the formwork; the formwork or the formwork and the component are removed.

Installation instructions:

The corresponding centering cone is welded onto the formwork angle, standing upright, on the magnet. The formwork is placed on the oiled formwork base. The hold-down arm, which has already been preset with the screw on the magnet body, is placed on the centering cone with the hole at the end of the hold-down arm. The magnet body is then placed on the formwork base. Tightening the screw on the magnet body presses the hold-down arm onto the centering cone. The hold-down arm can be folded up so that it and the magnet body do not interfere when removing the Formwork and the component from the Formwork.

Even without the centering cone, tightening the screw on the hold-down arm presses the formwork onto the formwork base.

BGW- shuttering hold-down magnet HM25

Item no.	Length with hold-down	width	Adhesive force kg	Shift force	PU piece	Weight kg/piece	Price €/piece
HM25-1000	360	140	1000	350	1	10,000	220
HM25-1600	360	190	1600	600	1	14,000	275
HM25-2000	360	235	2000	800	1	18,000	325







BGW- Centering cone

Item no.	Ø	Length	PU piece	Weight kg/piece	Price €/piece
HM25-K-100	25	100	100	0,380	12,00

BGW- holding magnet type HM26 – Switching magnet HM13

– For holding down and limiting the thrust of the Formwork

The BGW- Holding magnet HM26 is based on a longer basic module of the switching module HM13 – the lightweight with high Adhesive force, thanks to the built-in neodymium magnets used in the magnet system.
The profile of the base module is longer for holding down, positioning, and attaching formwork angles to steel formwork floors. The base module is adjusted/equipped with recesses at the front under the formwork angle so that the formwork angle can be covered and held down.
To ensure that the formwork or formwork angle is pressed firmly onto the formwork floor after the magnet in the module has been switched on, an adjusting screw is installed in the module profile above the recesses.

This adjusting screw can be used to press the formwork angle onto the steel floor.
The advantage of the HM26 magnet system: high Adhesive force, less weight, and less space required (convenient solution).
The adjusting screw is released to perform stripping of the formwork from the component. The magnet module does not need to be removed from the steel floor.
The front side of the magnet module is 90°, so it can be used to attach the Formwork.
All surfaces are smooth, which makes maintenance very easy.

Advantages/overview:

Prevents vertical and horizontal drifting of the formwork

Switchable magnet with steel springs

Item no.	Adhesive force kg	Length	Width mm	Recesses length and height mm	Price €/unit
321124	900	300	60	80x60	250,00
3211124	1300	400	60	80x60	350,00



BGW- holding magnet type HM27 – Strong magnetic parking bracket on both sides

Magnetic on two sides for locksmiths and concrete workers in precast concrete plants, more than just a third hand.



Counteracts concrete pressure and prevents formwork from floating.

See the table below for standard angle surfaces – however, any other angle surface dimensions can also be supplied.

The standard angle is 90°, but other angles are also possible.
The adhesive force is the same on both sides to prevent the angle magnet from resting on the formwork floor with the side with less adhesive force due to a handling error, which could cause the formwork to slip.

Magnetic material: neodymium N42.
Heat resistant up to 60°C.

The magnet is released from the Formwork using a wooden lever, see picture. The wood is pushed between the carrying handle and the magnetic angle bracket, with support provided by the formwork base.
The formwork base is not damaged when using the wooden lever.

The angle magnet is positioned on the steel formwork, where it must counteract the thrust of the formwork during concreting.

The formwork sheet can be attached to the magnetic leg, preventing it from floating or tilting. If a three edge border with a flag is also inserted between the formwork floor and the formwork sheet, this will prevent cement paste from escaping.

A distance of approx. 50 cm between the angle magnets is recommended.

Item no.	Angle	Adhesive force kg Formwork side bottom	Adhesive force kg Formwork side Front side	Length mm	Width mm	Weight kg/piece	Price €/piece
32217	90°	150	150	100	100	1,6	230
32116	90°	220	220	140	140	3	290



BGW- holding magnet type HM28 / HM29 / HM30 – Strong holding magnet

BGW- holding magnet type HM28 – Strong holding magnet system HM13



Formwork magnet system for reliably counteracting the shear forces and buoyancy forces of the formwork during the concreting process. The magnet body built into the steel housing can be switched using a tool, which means that the steel housing can be precisely adjusted and set up on the steel formwork.
The claws, located on the front or side of the steel housing – the switching module – press the 21 mm thick formwork board (pressure screen plate) underneath onto the formwork floor with the force listed in the table.
Pulling up the magnetic bodies in the steel housing releases the magnetic body from the steel formwork.

Item no.	Adhesive force kg	Length Width Magnetic module mm	Width of claw arm mm	Quantity of claws	Claw length mm	Height above carrying handle mm	Weight kg/piece	PU piece	Price €/piece
320-900K2	900	220x60	100	2	60	100		5	220
320-900K4	900	220x60	240	4	60	100		5	260
320-1800K4	1800	220x130	320	4	60	100		5	380
320-1800K6	1800	220x130	460	6	60	100		5	420

BGW- holding magnet type HM29 – powerful HM13 holding magnet system



Formwork magnet system for holding pressed wood formwork – for counteracting shear forces and buoyancy forces.
The magnet body built into the steel housing can be switched using a tool, which is why the steel housing can be precisely adjusted and set up on the steel formwork. The counterparts to the formwork (father-mother principle), which are screwed or welded to the front or side of the steel housing, the switching module, press the formwork underneath onto the formwork base with the force listed in the table. By pulling up the magnet body in the steel housing, the magnet body is released from the steel formwork.

Item no.	Adhesive force kg	Long width of magnet module /mm	Height above carrying handle/mm	Weight kg/piece	PU packaging unit: piece	Price €/piece
320-900HM29	900	220x60	100		5	220
320-1800HM29	1800	220x130	100		5	340

BGW- holding magnet type HM30 – powerful holding magnet & support magnet system



Formwork magnet system for reliably counteracting the shear forces and buoyancy forces of the formwork during the concreting process. The magnet body built into the steel housing can be switched using a tool, which is why the steel housing can be precisely adjusted and set up on the steel formwork.The claws, located on the front or side of the steel housing – the switching module – press the 21 mm thick formwork board (pressure screen plate) underneath onto the formwork floor with the force listed in the table. Pulling up the magnet body in the steel housing releases the magnet body from the steel formwork.

Additional function:

Inserting a suitable piece of wood between the Formwork and the support bracket on the magnet prevents the Formwork from tipping due to the pressure of the concrete.

BGW- holding magnet systems (HM) Tips and hints

* Magnet <Greek> -less common-

The boom columns must be firmly connected to the magnet system to prevent bending and breakage of the column at the Threaded pin.

Error description:	Countermeasures:
- Air gap between the magnetic holding system and switching table, caused by sand and concrete residues	Clean the adhesive surface and the switching table
- Magnetic system does not release from the steel formwork	Use a 17 mm wrench (∅) to loosen the tie rods, then lever off the magnet
- Damaged pole plates Minor damage to the pole plates	can be repaired using emery cloth can be repaired yourself

To prevent concrete from adhering to the magnet system, it is recommended to spray the top of the systems with a release agent.

When handling magnets, ensure that there is sufficient distance between them. Due to the high Adhesive force of the magnet systems, it is difficult to separate the systems once they come into contact with the adhesive surfaces.

Due to the strong magnetic forces, there is a risk of injury during handling!

Nearby electronic devices and measuring instruments may be damaged or their calibration may be affected by the high field strengths. In particular, magnetic systems should be kept at a safe distance (approx. 2 m) from computers, monitors, and all magnetic data carriers (e.g., floppy disks, credit cards, audio and video tapes, etc.), as well as pacemakers.

Neodymium magnets of type N permanently lose part of their magnetization at temperatures above 80°C, tapes and foils at temperatures above 85°C, and ferrite magnets only at temperatures above 250°C. Rapid cooling (e.g., in liquid nitrogen) does not damage neodymium magnets. However, ferrite magnets lose some of their magnetization below -40°C, and magnetic tapes and magnetic foils lose some of their magnetization below -20°C.

If you have any further questions about magnetic systems, please do not hesitate to contact us.

We reserve the right to make changes to prices and designs. All prices are subject to statutory value added tax.

A selection of special magnets

Magnet for attaching pipes

Ø 30 mm – 250 mm with step 168/180/181

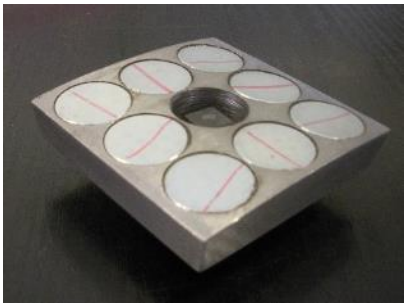
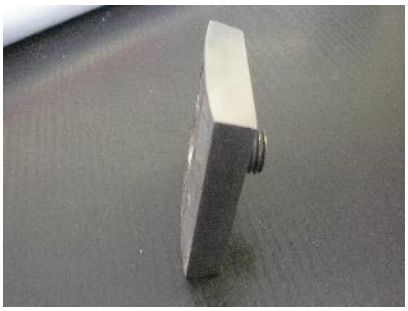




Prices on request!

Square magnet HM4

with radius and Thread from M12-M52 for round formwork

Prices on request!

Magnets for holding flush-mounted components

such as built-in components for heating and electrical installations



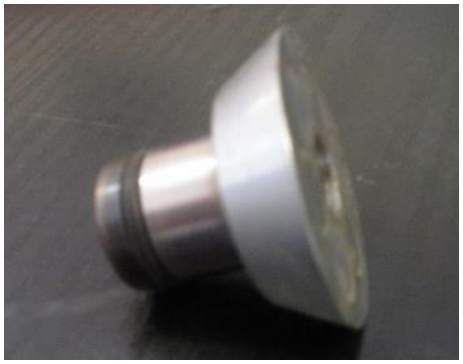


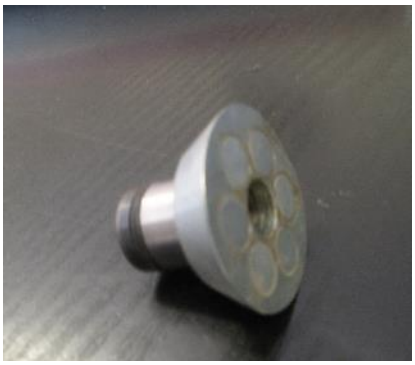

Prices on request!

A selection of special magnets

HM4 with O-ring stud

for attaching round built-in components with or without threads





Prices on request!

HM4 for slanted installation

For omitting installations of Threaded anchors, empty conduits, etc.



Prices on request!

BGW- marking magnets - “concrete stamps”

BGW- "Concrete stamps" for marking precast concrete elements
The magnets are inserted into the Formwork before the concrete is poured. They carry information such as logos, manufacturer's marks, batch numbers, or other Relevant data that is to be permanently imprinted on the concrete component.

Marking magnets can also be used to mark exact positions for subsequent drilling or fastening points in the precast concrete elements. This facilitates the assembly and installation of the concrete components on the construction site.

Prices according to size scale and effort (can also be created according to customer specifications)

Examples	Version	Price from
(on image with font 06-04)	95 x 30 mm	60
("2018")	10 x 20 cm	150
(2017)	20 x 30 cm	200

Short video on manufacturing:
https://www.bgw-bohr.de/video/BGW- Kennzeichnungsmagnet_Betonstempel.mp4











BGW-
Lifting and transport

bohr GmbH
GERMAN QUALITY
SINCE 1986

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Transport anchors, lifiting sockets type (QLH)

M **and** Rd Thread – Galvanised and V2A



Thanks to their low height and individual reinforcement options, BGW cross hole sleeves are suitable for transporting all types of precast concrete elements. BGW- holding magnets type HM4 are recommended for fixing to steel formwork. To ensure that the anchor is correctly seated when installed, BGW retaining discs or BGW recess bodies with markings must be used. Plastic sealing plugs or retaining discs are used to prevent dirt and concrete from entering the thread of the sleeve.

Installation instructions:
https://www.bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf

For your information:

The specifications for the metal load capacity of BGW cross hole sleeves were first verified on January 24, 1990, by test report M-No. B 1031/89 LGA Bavaria.
https://www.bgw-bohr.de/pdf/Querlochhuelse_LGA_Versuchsbericht.pdf
& **https://www.bgw-bohr.de/pdf/PruefberichtTUEV_QLHFSA.pdf**

Tensile tests were carried out in accordance with DIN 50145, and the tensile load, which was four times the nominal load, did not cause any change to the sleeve. This is still monitored today through tests carried out in our own laboratory.

EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW- Querlochhuelse_alleLaststufen.pdf

Cross hole sleeves – Galvanised, round thread

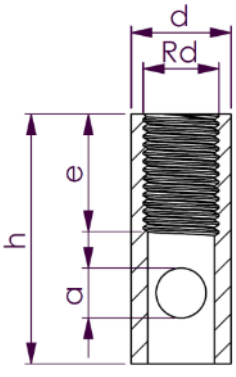
Item no.	Load level t	Thread Rd	Height h mm	Outer Ø d mm	Thread length e mm	Bore Ø a mm	PU piece	Weight in kg	Price €/piece
0050	0,5	Rd12	40	16	22	8	500	0,028	0,99
0052	0,8	Rd14	48	18	25	10,5	250	0,043	1,19
0054	1,2	Rd16	54	21	27	13	250	0,063	1,46
0056	1,6	Rd18	65	25	34	13	150	0,104	1,85
0058	2,0	Rd20	70	27	35	15,5	150	0,148	2,12
0060	2,5	Rd24	80	32	43	18	50	0,208	2,69
0062	4,0	Rd30	101	38	56	22,5	50	0,370	4,83
0064	6,3	Rd36	125	48	69	27,5	25	0,820	8,67
0066	8,0	Rd42	140	54	80	32	20	1,075	14,12
0068	12,5	Rd52	170	70	107	40	10	2,000	34,44

Cross hole sleeves – Galvanised, Metric thread

Item no.	Load t	Thread M	Height h mm	Outer Ø d mm	Thread length e mm	Bore Ø a mm	PU piece	Weight in kg	Price €/piece
0051	0,5	M12	40	16	22	8	500	0,028	0,99
0053	0,8	M14	48	18	25	10,5	250	0,043	1,19
0055	1,2	M16	54	21	27	13	250	0,063	1,46
0057	1,6	M18	65	25	34	13	150	0,104	1,85
0059	2,0	M20	70	27	35	15,5	150	0,148	2,12
0061	2,5	M24	80	32	43	18	100	0,208	2,69
0063	4,0	M30	101	38	56	22,5	50	0,370	4,83
0065	6,3	M36	125	48	69	27,5	25	0,820	8,67
0067	8,0	M42	140	54	80	32	20	1,075	14,12
0069	12,5	M52	170	70	107	40	10	2,000	34,44

Cross hole sleeves – V2A Stainless steel, round thread

Item no.	Load t	Thread Rd	Height h mm	Outer Ø d mm	Length e mm	Bore Ø a mm	PU piece	Price € Piece V2A
0050E	0,5	Rd12	40	16	22	8	500	3,45
0052E	0,8	Rd14	48	18	25	10,5	250	4,98
0054E	1,2	Rd16	54	21	27	13	250	6,29
0056E	1,6	Rd18	65	25	34	13	150	9,44
0058E	2,0	Rd20	70	27	35	15,5	150	10,35
0060E	2,5	Rd24	80	32	43	18	100	13,77
0062E	4,0	Rd30	101	38	56	22,5	50	27,54
0064E	6,3	Rd36	125	48	69	27,5	25	47,40
0066E	8,0	Rd42	140	54	80	32	20	71,10
0068E	12,5	Rd52	170	70	107	40	10	89,73



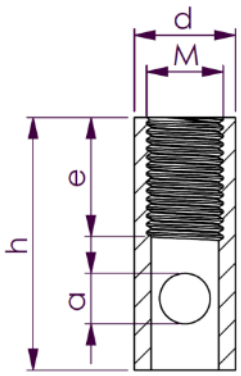
BGW- Transport anchors, lifiting sockets type (QLH)

M and Rd thread – V2A and V4A

Test certificate: https://www.bgw-bohr.de/pdf/PruefberichtTUEV_QLHFSA.pdf
EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW-_Querlochhuelse_alleLaststufen.pdf

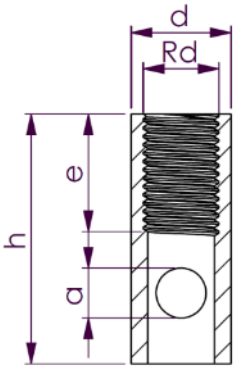
Cross hole sleeves – V2A Stainless steel, Metric thread

Item no.	Load level t	Thread M	Height h mm	Outer Ø d mm	Length e mm	Bore Ø a mm	PU piece	Price €/piece V2A
0051E	0,5	M12	40	16	22	8	500	3,45
0053E	0,8	M14	48	18	25	10,5	250	4,98
0055E	1,2	M16	54	21	27	13	250	6,29
0057E	1,6	M18	65	25	34	13	150	9,44
0059E	2,0	M20	70	27	35	15,5	100	10,35
0061E	2,5	M24	80	32	43	18	100	13,77
0063E	4,0	M30	101	38	56	22,5	50	27,54
0065E	6,3	M36	125	48	69	27,5	25	47,40
0067E	8,0	M42	140	54	80	32	20	71,10
0069E	12,5	M52	170	70	107	40	10	89,73



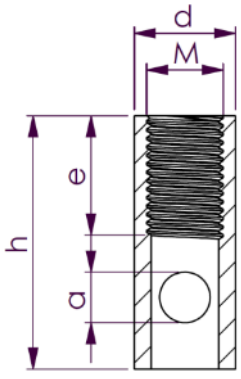
Cross hole sleeves – V4A Stainless steel, round thread

Item no.	Load t	Thread Rd	Height h mm	Outer Ø d mm	Length e mm	Bore Ø a mm	PU piece	Price €/piece V4A
0050EE	0,5	Rd12	40	16	22	8	500	4,14
0052EE	0,8	Rd14	48	18	25	10,5	250	5,98
0054EE	1,2	Rd16	54	21	27	13	250	7,55
0056EE	1,6	Rd18	65	25	34	13	150	11,33
0058EE	2,0	Rd20	70	27	35	15,5	150	12,42
0060EE	2,5	Rd24	80	32	43	18	100	16,52
0062EE	4,0	Rd30	101	38	56	22,5	50	33,05
0064EE	6,3	Rd36	125	48	69	27,5	25	56,88
0066EE	8,0	Rd42	140	54	80	32	20	85,32
0068EE	12,5	Rd52	170	70	107	40	10	107,68



Cross hole sleeves – V4A Stainless steel, Metric thread

Item no.	Load t	Thread M	Height h mm	Outer Ø d mm	Length e mm	Bore Ø a mm	PU piece	Price €/piece V4A
0051EE	0,5	M12	40	16	22	8	500	4,14
0053EE	0,8	M14	48	18	25	10,5	250	5,98
0055EE	1,2	M16	54	21	27	13	250	7,55
0057EE	1,6	M18	65	25	34	13	150	11,33
0059EE	2,0	M20	70	27	35	15,5	150	12,42
0061EE	2,5	M24	80	32	43	18	100	16,52
0063EE	4,0	M30	101	38	56	22,5	50	33,05
0065EE	6,3	M36	125	48	69	27,5	25	56,88
0067EE	8,0	M42	140	54	80	32	20	85,32
0069EE	12,5	M52	170	70	107	40	10	107,68





BGW- sleeve screw - centering screw with pin

During concreting, the sleeve screw holds the plug of the lifiting socket at the bottom of the lifiting socket. The plug is pressed so tightly onto the reinforcement of the lifiting socket that the reinforcement cannot migrate out of the cross-hole of the lifiting socket during concrete compaction.

The data ring can be placed on the head of the sleeve screw. This combination can be attached to the Formwork using the thread in the sleeve screw.

Item no.	Thread mm	Ø head mm	Height Head mm	Weight	Price per piece
0900-12-H	12	23,5	8		5,05
0900-14-H	14	26,5	8		5,30
0900-16-H	16	30,5	8		5,90
0900-18-H	18	33,5	8		6,50
0900-20-H	20	37,0	8		6,90
0900-24-H	24	41,0	9,5		8,50
0900-30-H	30	50,0	9,5		10,30
0900-36-H	36	59,0	9,5		15,60
0900-42-H	42	67,0	12		19,30
0900-52-H	52	81,0	12		25,70



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- transport anchor (TA) M and Rd thread – Galvanised and V2A



BGW transport anchors are suitable for transporting all types of precast concrete elements thanks to their low height and individual reinforcement options.
BGW- holding magnets type HM4 are recommended for fixing to steel formwork. To ensure that the anchor is correctly positioned when installed, BGW retaining discs or BGW recessed bodies with markings must be used.
Plastic sealing plugs or retaining discs are used to prevent dirt and concrete from entering the thread of the sleeve.
EC conformity: https://BGW- bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW-Transportanker_alleLaststufen.pdf

Transport anchors – Galvanised, round thread

Item no.	Load level t	Thread Rd	Height h mm	Outer Ø d mm	Thread length e mm	Bore Ø a mm	PU piece	Weight in kg	Price €/piece
0850	0,5	Rd12	60	16	22	10	500	0,046	1,19
0869	0,5	Rd12	80	16	22	10	300	0,068	1,27
0852	1,2	Rd16	80	21	27	13	200	0,104	1,75
08521	1,2	Rd16	100	21	27	13	250	0,140	1,92
0854	2,0	Rd20	95	27	35	15	150	0,205	2,54
0855	2,5	Rd24	100	32	43	17	100	0,295	3,23
0856	2,5	Rd24	120	32	43	17	100	0,405	3,55
0864	4,0	Rd30	135	38	56	22	50	0,476	5,80
0858	4,0	Rd30	150	38	56	22	50	0,592	5,96

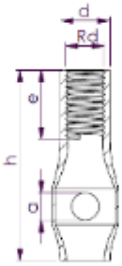
Transport anchors – Galvanised, Metric thread

Item no.	Load t	Thread M	Height h mm	Outer Ø d mm	Thread length e mm	Bore Ø a mm	PU piece	Weight in kg	Price €/piece
0868	0,5	M12	60	16	22	10	500	0,046	1,19
0851	0,5	M12	80	16	22	10	300	0,068	1,27
0853	1,2	M16	80	21	27	13	200	0,104	1,75
0862	1,2	M16	100	21	27	13	250	0,140	1,92
0859	2,0	M20	95	27	35	15	150	0,205	2,54
0871	2,5	M24	100	32	43	17	100	0,295	3,23
0857	2,5	M24	120	32	43	17	100	0,405	3,55
0872	4,0	M30	135	38	56	22	50	0,476	5,80
0873	4,0	M30	150	38	56	22	50	0,592	5,96

Transport anchors – Stainless steel V2A, round thread



Item no.	Load t	Thread Rd	Height h mm	Outer Ø d mm	Length e mm	Bore Ø a mm	PU piece	Price € Piece V2A
0850E	0,5	Rd12	60	16	22	10	500	4,14
0869E	0,5	Rd12	80	16	22	10	500	4,32
0852E	1,2	Rd16	80	21	27	13	250	7,55
08521E	1,2	Rd16	100	21	27	13	250	7,78
0854V2A	2,0	Rd20	95	27	35	15	150	12,42
0855E	2,5	Rd24	100	32	43	17	100	16,52
0856V2A	2,5	Rd24	120	32	43	17	100	17,21
0864E	4,0	Rd30	135	38	56	22	50	33,05
0858E	4,0	Rd30	150	38	56	22	50	35,10



Transport anchors – Stainless steel V2A, Metric thread

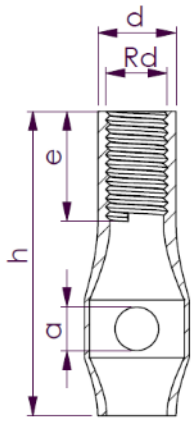
Item no.	Load level t	Thread M	Height h mm	Outer Ø d mm	Length e mm	Bore Ø a mm	PU piece	Price € Piece V2A
0868E	0,5	M12	60	16	22	10	500	4,14
0851E	0,5	M12	80	16	22	10	500	4,32
0830V2A	1,2	M16	80	21	27	13	250	7,55
0862E	1,2	M16	100	21	27	13	250	7,78
0859E	2,0	M20	95	27	35	15	150	12,42
0871E	2,5	M24	100	32	43	17	100	16,52
0857E	2,5	M24	120	32	43	17	100	17,21
0872E	4,0	M30	135	38	56	22	50	33,05
0873E	4,0	M30	150	38	56	22	50	35,10



BGW- transport anchor (TA) M and Rd thread – Galvanised and V4A

EC conformity: https://BGW- bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW-Transportanker_alleLaststufen.pdf

Transport anchors – Stainless steel V4A, round thread



Item no.	Load level t	Thread Rd	Height h mm	Outer Ø d mm	Length e mm	Bore Ø a mm	PU. piece	Price €/piece V4A
0850EE	0,5	Rd12	60	16	22	10	500	4,97
0869EE	0,5	Rd12	80	16	22	10	500	5,18
0852E4A	1,2	Rd16	80	21	27	13	250	9,06
08521EE	1,2	Rd16	100	21	27	13	250	9,33
0854E	2,0	Rd20	95	27	35	15	150	14,90
0855EE	2,5	Rd24	100	32	43	17	100	19,83
0856E	2,5	Rd24	120	32	43	17	100	20,65
0864EE	4,0	Rd30	135	38	56	22	50	39,66
0858EE	4,0	Rd30	150	38	56	22	50	42,12

Transport anchors – Stainless steel V4A, Metric thread

Item no.	Load t	Thread M	Height h mm	Outer Ø d mm	Length e mm	Bore Ø a mm	PU piece	Price €/piece V4A
0868EE	0,5	M12	60	16	22	10	500	4,97
0851EE	0,5	M12	80	16	22	10	500	5,18
0830V4A	1,2	M16	80	21	27	13	250	9,06
0862EE	1,2	M16	100	21	27	13	250	9,33
0859EE	2,0	M20	95	27	35	15	150	14,90
0871EE	2,5	M24	100	32	43	17	100	19,83
0857EE	2,5	M24	120	32	43	17	100	20,65
0872EE	4,0	M30	135	38	56	22	50	39,66
0873EE	4,0	M30	150	38	56	22	50	42,12



BGW- straight bar anchor (STA) M and Rd thread – Galvanised and V2A, V4A



Threaded anchors can be very useful not only as Transport anchors, but also for temporarily fastening components, steel components such as supports, struts, signs, etc.

Due to their design, BGW straight bar anchors are particularly suitable for slim precast concrete elements and for installation in thin walls, such as in garages, transformer stations, shaft rings, etc.
A round thread (Rd) is cut into the Galvanised or Stainless steel sleeve. Before installing the straight bar anchor in the precast concrete element, the thread should be visually inspected and greased. Round threads are particularly recommended as they are less sensitive to dirt and damage than other types of threads. BGW- holding magnets type HM4 are recommended for fixing to steel formwork.
To ensure that the anchor is correctly seated when installed, BGW retaining discs or BGW recessed bodies with markings must be used. Plastic sealing plugs or retaining discs are used to prevent dirt and concrete from entering the thread of the sleeve. The front end of the anchor rods is painted in a color that matches the corresponding rope loops. The rod anchor lengths and rod diameters can be modified to suit your specific installation, but it should be noted that this may change the load level.

For your information:

The metallic load-bearing capacity data was first verified on June 27, 1989, in the G3-MPW 33-now-kol test report by the Bavarian Technical Inspection Association (Technischer Überwachungsverein Bayern E.V.). Monitoring in our own laboratory. On February 7, 1992, BGW straight bar anchors from Rd12 to Rd 52 were successfully tested for the first time in unreinforced concrete structures by means of destructive testing under the most unfavorable installation conditions. You can read about the tests at www.bgw-bohr.de.
The threaded anchors can be ordered in Stainless steel reinforcement (AIST 316) or glass fiber reinforcement.

Installation instructions: https://www.bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf
EC Declaration of Conformity:https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW-Stabanker_alleLaststufen.pdf
Test report: https://BGW- bohr.de/Pruefberichte_Zugversuche.htm
Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

Straight bar anchor – Galvanised sleeve

M thread		Rd thread		Load level t	D mm	e mm	c mm	PU piece	Weight kg/piece	Price €/piece
d x h	Item no.	Type d x h	Item no.							
M12 x 190	0100M	Rd12 x 190	0100	0,5	16	22	8	200	0,100	0,77
M14 x 230	0102M	Rd14 x 230	0102	0,8	20	25	10	100	0,180	0,92
M16 x 250	0105	Rd16 x 250	0104	1,2	22	27	10	50	0,210	1,15
M18 x 300	0106M	Rd18 x 300	0106	1,6	25	34	12	50	0,370	1,71
M20 x 350	0108M	Rd20 x 350	0108	2,0	27	35	14	25	0,550	2,10
M24 x 400	0112M	Rd24 x 400	0112	2,5	31	43	16	25	0,830	2,81
M30 x 500	0116M	Rd30 x 500	0116	4,0	38	56	20	10	1,520	4,19
M30 x 900	0118M	Rd30 x 900	0118	4,0	38	56	20	10	2,598	5,01
M36 x 650	0120M	Rd36 x 650	0120	6,3	48	69	25	10	2,925	8,05
M36 x 900	0122M	Rd36 x 900	0122	6,3	48	69	25	10	3,800	9,33
M42 x 800	0124M	Rd42 x 800	0124	8,0	54	80	28	10	4,777	12,83
M52 x 900	0126M	Rd52 x 900	0126	12,5	70	90	32	10	7,222	28,33
M56 x 1200	0144M	Rd56 x 1200	0144	15,0	70	80	40	10	13,670	55,00
M48 x 1260	0147M	Rd48 x 1260	0147	22,0	70	60	40	10	14,080	57,00
M60 x 1400	0145M	Rd60 x 1400	0145	20,0	76	85	40	10	16,300	65,00

Straight bar anchor – sleeve in Stainless steel V2A, V4A

M thread			Rd thread			Load level t	D mm	e mm	c mm	PU	Weight kg piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Item no. V2A	Item no. V4A	Type d x h	Item no. V2A	Item no. V4A								
M12 x 190	0100ME	0100MEE	Rd12 x 190	0100E	0100EE	0,5	16	22	8	200	0,100	2,61	3,13
M14 x 230	0102ME	0102MEE	Rd14 x 230	0102E	0102EE	0,8	20	25	10	100	0,180	3,24	3,89
M16 x 250	0105E	0105EE	Rd16 x 250	0104E	0104EE	1,2	22	27	10	50	0,210	4,32	5,18
M18 x 300	0106ME	0106MEE	Rd18 x 300	0106E	0106EE	1,6	25	34	12	50	0,370	6,80	8,16
M20 x 350	0108ME	0108MEE	Rd20 x 350	0108E	0108EE	2,0	27	35	14	25	0,550	8,13	9,76
M24 x 400	0112ME	0112MEE	Rd24 x 400	0112E	0112EE	2,5	31	43	16	25	0,830	9,97	11,96
M30 x 500	0116ME	0116MEE	Rd30 x 500	0116E	0116EE	4,0	38	56	20	10	1,520	22,50	27,00
M30 x 900	0118ME	0118MEE	Rd30 x 900	0118E	0118EE	4,0	38	56	20	10	2,500	23,32	27,98
M36 x 650	0120ME	0120MEE	Rd36 x 650	0120E	0120EE	6,3	48	69	25	10	2,925	33,13	39,76
M36 x 900	0122ME	0122MEE	Rd36 x 900	0122E	0122EE	6,3	48	69	25	10	3,800	34,41	41,29
M42 x 800	0124ME	0124MEE	Rd42 x 800	0124E	0124EE	8,0	54	80	28	10	4,750	50,46	60,55
M52 x 900	0126ME	0126MEE	Rd52 x 900	0126E	0126EE	12,5	70	80	32	10	13,670	62,64	75,17
M56 x 1200	0144ME	0144MEE	Rd56 x 1200	0144E	0144EE	15,0	76	85	40	10	16,300		
M60 x 1400	0145ME	0145MEE	Rd60 x 1400	0145E	0145EE	20,0	70	60	40	10	14,080		
M48 x 1260	0147ME	0147MEE	Rd48 x 1260	0147E	0147EE	22,0	70	90	40	10	6,950		

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- straight bar anchor (STA) sealed , M, and Rd thread – Galvanised and V2A, V4A

The "seal" is a sealant that is installed between the threaded anchor reinforcement and the threaded part of the Transport anchor. This "seal" ensures that no rust can flow from the Reinforcing bar of the anchor into the threaded part of the Transport anchor.
The thin-flowing sealant, an epoxy resin, is poured onto the Reinforcing bar in a layer with a thickness of approx. 3 mm into the grease-free, cleaned thread of the threaded sleeve, whereby the thin-flowing resin flows into every crack, into the Compression, between the threaded sleeve and the Reinforcing bar. Once this resin has hardened after a few hours, it is ensured that from the Reinforcing bar of the anchor no more rust can enter the threaded part of the threaded transport anchor

.



The illustration shows a cutaway transport anchor with this sealant.

EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW- Stabanker_alleLaststufen.pdf
Test report: https://BGW- bohr.de/Pruefberichte_Zugversuche.htm
Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

Sealed straight bar anchor – Galvanised sleeve

M thread		Rd thread		Load level t	D mm	e mm	c mm	PU piece	Weight kg/piece	Price €/piece
Type d x h	Item no.	Type d x h	Item no.							
M12 x 190	0100MV	Rd12 x 190	0100V	0,5	16	22	8	200	0,100	1,42
M14 x 230	0102MV	Rd14 x 230	0102V	0,8	20	25	10	100	0,180	1,57
M16 x 250	0104MV	Rd16 x 250	0104V	1,2	22	27	10	50	0,210	1,8
M18 x 300	0106MV	Rd18 x 300	0106V	1,6	25	34	12	50	0,370	2,46
M20 x 350	0108MV	Rd20 x 350	0108V	2,0	27	35	14	25	0,550	2,85
M24 x 400	0112MV	Rd24 x 400	0112V	2,5	31	43	16	25	0,830	3,56
M30 x 500	0116MV	Rd30 x 500	0116V	4,0	38	56	20	10	1,520	5,19
M30 x 900	0118MV	Rd30 x 900	0118V	4,0	38	56	20	10	2,500	6,01
M36 x 650	0120MV	Rd36 x 650	0120V	6,3	48	69	25	10	2,925	9,18
M36 x 900	0122MV	Rd36 x 900	0122V	6,3	48	69	25	10	3,800	10,46
M42 x 800	0124MV	Rd42 x 800	0124V	8,0	54	80	28	10	4,750	14,13
M52 x 900	0126MV	Rd52 x 900	0126V	12,5	70	90	32	10	6,950	29,83
M56 x 1200	0144MV	Rd56 x 1200	0144V	15,0	70	80	40	10	13,670	56,8
M60 x 1400	0145MV	Rd60 x 1400	0145V	20,0	76	85	40	10	16,300	58,48
M48 x 1260	0147MV	Rd48 x 1260	0147V	22,0	70	60	40	10	14,080	66,83

Sealed straight bar anchor – sleeve in Stainless steel V2A, V4A

M thread			Rd thread			Load level t	D mm	e mm	c mm	PU piece	Weight kg piece	Price € piece V2A	Price € piece V4A
Type d x h	Item no. V2A	Item no. V4A	Type d x h	Item no. V2A	Item no. V4A								
M12 x 190	0100MEV	0100MEEV	Rd12 x 190	0100EV	0100EEV	0,5	16	22	8	200	0,100	3,26	3,78
M14 x 230	0102MEV	0102MEEV	Rd14 x 230	0102EV	0102EEV	0,8	20	25	10	100	0,180	3,89	4,54
M16 x 250	0104MEV	0104MEEV	Rd16 x 250	0104EV	0104EEV	1,2	22	27	10	50	0,210	4,97	5,83
M18 x 300	0106MEV	0106MEEV	Rd18 x 300	0106EV	0106EEV	1,6	25	34	12	50	0,370	7,55	8,91
M20 x 350	0108MEV	0108MEEV	Rd20 x 350	0108EV	0108EEV	2,0	27	35	14	25	0,550	8,88	10,51
M24 x 400	0112MEV	0112MEEV	Rd24 x 400	0112EV	0112EEV	2,5	31	43	16	25	0,830	10,72	12,71
M30 x 500	0116MEV	0116MEEV	Rd30 x 500	0116EV	0116EEV	4,0	38	56	20	10	1,520	23,5	28
M30 x 900	0118MEV	0118MEEV	Rd30 x 900	0118EV	0118EEV	4,0	38	56	20	10	2,500	24,32	28,98
M36 x 650	0120MEV	0120MEEV	Rd36 x 650	0120EV	0120EEV	6,3	48	69	25	10	2,925	34,26	40,89
M36 x 900	0122MEV	0122MEEV	Rd36 x 900	0122EV	0122EEV	6,3	48	69	25	10	3,800	35,54	42,42
M42 x 800	0124MEV	0124MEEV	Rd42 x 800	0124EV	0124EEV	8,0	54	80	28	10	4,750	51,76	61,85
M52 x 900	0126MEV	0126MEEV	Rd52 x 900	0126EV	0126EEV	12,5	70	90	32	10	6,950	64,14	76,67
M56 x 1200	0144MEV	0144MEEV	Rd56 x 1200	0144EV	0144EEV	15,0	70	80	40	10	13,670		
M60 x 1400	0145MEV	0145MEEV	Rd60 x 1400	0145EV	0145EEV	20,0	76	85	40	10	16,300		
M48 x 1260	0147MEV	0147MEEV	Rd48 x 1260	0147EV	0147EEV	22,0	70	60	40	10	14,080	3,26	

BGW- straight bar anchor (STA) - special lengths



Threaded anchors can be very useful not only as Transport anchors, but also for temporarily fastening components, steel components such as supports, struts, signs, etc.
Due to their design, BGW straight bar anchors are particularly suitable for slim precast concrete elements and for installation in thin walls, such as in garages, transformer stations, shaft rings, etc.
A round thread (Rd) is cut into the electro-Galvanised or Stainless steel sleeve. Before installing the straight bar anchor in the precast concrete element, the thread should be visually inspected and greased. Round threads are particularly recommended as they are less sensitive to dirt and damage than other types of threads.
BGW- holding magnets type HM4 are recommended for fixing to steel formwork.
To ensure that the anchor is correctly seated when installed, BGW retaining discs or BGW recessed bodies with markings must be used. Plastic sealing plugs or retaining discs are used to prevent dirt and concrete from entering the thread of the sleeve. The front end of the anchor rods is painted in a color that matches the corresponding Rope loops.
The rod anchor lengths and rod diameters can be modified to suit your specific installation, but please note that this may change the load level.

The threaded anchors can be ordered in Stainless steel reinforcement (AIST 316) or glass fiber reinforcement.

For your information:
The metallic load-bearing capacity data was first verified on June 27, 1989, in the G3-MPW 33-nowkol test report by the Bavarian Technical Inspection Association (TÜV Bayern E.V.). Monitoring in our own laboratory. On February 7, 1992, BGW straight bar anchors from Rd12 to Rd 52 were successfully tested for the first time in unreinforced concrete structures by means of destructive testing under the most unfavorable installation conditions. You can read about the tests at www.bgw-bohr.de.

EC Declaration of Conformity:https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW-Stabanker_alleLaststufen.pdf
Test report: https://BGW- bohr.de/Pruefberichte_Zugversuche.htm
Expert opinion on conditions of use for BGW transport anchor systems: https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

Straight bar anchors – Galvanised sleeve – Special lengths

M thread		Rd thread		Load level t	D mm	e mm	c mm	PU piece	Weight kg/piece
Type d x h	Item no.	Type d x h	Item no.						
M12 x 70	0100M-70	Rd12 x 70	0197	0,5	16	22	8	-	0,055
M12 x 190	0100M-100	Rd12 x 190	0100/10	0,5	16	22	10	-	0,160
M12 x 200	0132	Rd12 x 200	0100-200	0,5	16	22	8	-	0,102
M12 x 250	0101M	Rd12 x 250	0100-250	0,5	16	22	8	-	0,126
M12 x 260	0100M-260	Rd12 x 260	0101	0,5	16	22	8	-	0,126
M12 x 350	0100M-350	Rd12 x 350	0100-350	0,5	16	22	8	-	0,165
M12 x 400	0103M	Rd12 x 400	0103	0,5	16	22	8	-	0,185
M12 x 500	0100M-500	Rd12 x 500	0103-500	0,5	16	22	8	-	0,225
M12 x 1050	0178	Rd12 x 1050	0100-1050	0,5	16	22	8	-	0,441
M12 x 1135	0100M-1135	Rd12 x 1135	0193	0,5	16	22	8	-	0,473
M12 x 1205	0194	Rd12 x 1200	0142	0,5	16	22	8	-	0,500
M12 x 1320	0100M-1320	Rd12 x 1320	01440	0,5	16	22	8	-	0,530
M12 x 1350	0199	Rd12 x 1350	0100-1350	0,5	16	22	8	-	0,550
M12 x 1380	0186	Rd12 x 1380	0100-1380	0,5	16	22	8	-	0,600
M12 x 1500	0100M-1500	Rd12 x 1500	0146	0,5	16	22	8	-	0,617
M12 x 2250	01782	Rd12 x 2250	0100-2250	0,5	16	22	8	-	0,915
M14 x 570	0102M-570	Rd14 x 570	0102-570	0,8	20	25	10	-	0,261
M14 x 850	0102M-850	Rd14 x 850	0102-850	0,8	20	25	10	-	0,372
M16 x 100	0105M-100	Rd16 x 100	0158	1,2	22	27	10	-	0,163
M16 x 120	0105M-120	Rd16 x 120	0104-120	1,2	22	27	10	-	0,296
M16 x 140	0105M-140	Rd16 x 140	0104-140	1,2	22	27	10	-	0,310
M16 x 160	0105M-160	Rd16 x 160	0133	1,2	22	27	10	-	0,330
M16 x 170	01051	Rd16 x 175	0104-175	1,2	22	27	10	-	0,178
M16 x 220	0134M	Rd16 x 220	0134	1,2	22	27	10	-	0,200
M16 x 250	0105-12	Rd16 x 250	0104/12	1,2	22	27	12	-	0,296
M16 x 270	0105-270	Rd16 x 270	0104-270	1,2	22	27	10	-	0,250
M16 x 275	0104M-50G-275L	Rd16 x 275	0104-50G-275L	1,2	22	50	10	-	0,288
M16 x 280	0105-280	Rd16 x 280	0104-280	1,2	22	27	10	-	0,246
M16 x 300	0150	Rd16 x 300	0104-300	1,2	22	27	10	-	0,341
M16 x 380	0150-380	Rd16 x 380	0104-380	1,2	22	27	10	-	0,314
M16 x 400	0188	Rd16 x 400	0153-400	1,2	22	27	10	-	0,337
M16 x 410	0105-410	Rd16 x 410	0153-410	1,2	22	27	10	-	0,326
M16 x 410	0105-410/12	Rd16 x 410	0153-410-12	1,2	22	27	12	-	0,429
M16 x 415	0105-415/12	Rd16 x 415	0153-415-12	1,2	22	27	12	-	
M16 x 450	0152	Rd16 x 450	0153	1,2	22	27	10	-	0,474
M16 x 600	0189	Rd16 x 600	0104-600	1,2	22	27	10	-	0,533

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- straight bar anchor (STA) - special lengths

EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW- Rod anchors_all load levels.pdf

M thread		Rd thread		Load level	D	e	c	PU	Weight
Type d x h	Item no.	Type d x h	Item no.	t	mm	mm	mm	piece	kg/piece
M16 x 800	0187	Rd16 x 800	0104-800	1,2	22	27	10	50	0,711
M16 x 900	0105M-900	Rd16 x 900	0156	1,2	22	27	10	50	0,873
M16 x 1000	0105M-1000	Rd16 x 1000	0154	1,2	22	27	10	50	0,962
M16 x 1200	0105M-1200	Rd16 x 1200	0104-1200	1,2	22	27	10	50	0,800
M16 x 1200	0105M-1200-12	Rd16 x 1200	0104/12-1200	1,2	22	27	12	50	1,112
M16 x 1400	0105M-1400	Rd16 x 1400	0104-1400	1,2	22	27	10	50	0,919
M16 x 2250	01521	Rd16 x 2250	0104-2250	1,2	22	27	10	50	1,464
M18 x 350	0106M-350	Rd18 x 350	0106	1,6	25	34	12	25	0,430
M18 x 500	0106M-500	Rd18 x 500	0106-500	1,6	25	34	12	25	0,620
M18 x 1600	0106M-1600	Rd18 x 1600	0107	1,6	25	34	12	25	1,534
M20 x 200	0108M-200	Rd20 x 200	0108-200	2,0	27	35	14	25	0,400
M20 x 250	0109-250	Rd20 x 250	0108-250	2,0	27	35	14	25	0,450
M20 x 250	0109-250-16	Rd20 x 250	0108-250-16	2,0	27	35	16	25	0,512
M20 x 260	0109-260-16	Rd20 x 260	0108-260-16	2,0	27	35	16	25	0,528
M20 x 300	0125	Rd20 x 300	0108-300	2,0	27	35	14	25	0,520
M20 x 350	0109-16	Rd20 x 350	0108/16	2,0	27	35	16	25	0,686
M20 x 360	0128	Rd20 x 360	0108-360	2,0	27	35	14	25	0,572
M20 x 360	0128-16	Rd20 x 360	0108-360-16	2,0	27	35	16	25	0,686
M20 x 400	0108M-400	Rd20 x 400	0108-400	2,0	27	35	14	25	0,593
M20 x 450	0109-450-16	Rd20 x 450	0108-450-16	2,0	27	38	16	25	0,828
M20 x 460	0109-460-16	Rd20 x 460	0108-450-16	2,0	27	38	16	25	0,844
M20 x 500	0109-500	Rd20 x 500	0110	2,0	27	35	14	25	0,490
M20 x 520	0127	Rd20 x 520	0108-520	2,0	27	35	14	25	0,766
M20 x 550	0109-550-16	Rd20 x 550	0108-550-16	2,0	27	35	16	25	0,986
M20 x 560	0109-560-16	Rd20 x 560	0108/16-1	2,0	27	35	16	25	0,986
M20 x 565	0109-565	Rd20 x 565	0108-565	2,0	27	35	14	25	0,827
M20 x 565	0109-565/16	Rd20 x 565	0108-565-16	2,0	27	35	16	25	1,025
M20 x 600	0108M-600	Rd20 x 600	0111	2,0	27	35	14	25	0,847
M20 x 650	0109-650	Rd20 x 650	0108-650	2,0	27	35	14	25	0,930
M20 x 700	0108M-700	Rd20 x 700	0109-700	2,0	27	35	14	25	0,960
M20 x 800	0121	Rd20 x 800	0108-800	2,0	27	35	14	25	1,112
M20 x 900	0108M-900	Rd20 x 900	0109-900	2,0	27	35	14	25	1,227
M20 x 1000	0109-1000	Rd20 x 1000	0110-1000	2,0	27	35	14	25	1,348
M20 x 1150	0108M-1150	Rd20 x 1150	0165	2,0	27	35	14	25	1,528
M20 x 1200	0109-1200	Rd20 x 1200	0108-1200	2,0	27	35	14	25	2,021
M20 x 1400	0109-1400	Rd20 x 1400	0108-1400	2,0	27	35	14	25	2,337
M20 x 1800	0109-1800	Rd20 x 1800	0108-1800	2,0	27	35	14	25	2,350
M20 x 2250	0109-2250	Rd20 x 2250	0108-2250	2,0	27	35	14	25	2,860
M20 x 2400	0109-2400	Rd20 x 2400	0108-2400	2,0	27	35	14	25	3,917
M24 x 200	0112M-200	Rd24 x 200	0112-200	2,5	31	43	16	10	0,510
M24 x 240	0112M-240	Rd24 x 240	0135	2,5	31	43	16	10	0,550
M24 x 300	0112M-300	Rd24 x 300	0112-300	2,5	31	43	16	10	0,633
M24 x 500	0112M-500	Rd24 x 500	0114	2,5	31	43	16	10	0,991
M24 x 540	0162-540	Rd24 x 540	0112-540	2,5	31	43	16	10	1,053
M24 x 600	0162	Rd24 x 600	0112-600	2,5	31	43	16	10	1,149
M24 x 665	0141	Rd24 x 665	0112-665	2,5	31	43	16	10	1,700
M24 x 700	0123	Rd24 x 700	0164/700	2,5	31	43	16	10	1,100
M24 x 720	0112M-720	Rd24 x 720	0112-720	2,5	31	43	16	10	1,294
M24 x 800	0112M-800	Rd24 x 800	0112-800	2,5	31	43	16	10	1,421
M24 x 900	0112M-900	Rd24 x 900	0164	2,5	31	43	16	10	1,623
M24 x 950	0112M-950	Rd24 x 950	0139	2,5	31	43	16	10	1,670
M24 x 1000	0160M	Rd24 x 1000	0112-1000	2,5	31	43	16	10	2,760
M24 x 1200	0162-1200	Rd24 x 1200	0112-1200	2,5	31	43	16	10	2,097
M24 x 1300	0112M-1300	Rd24 x 1300	0112-1300	2,5	31	43	16	10	2,213
M24 x 1400	0162-1400	Rd24 x 1400	0112-1400	2,5	31	43	16	10	2,413
M24 x 1800	0167	Rd24 x 1800	0112-1800	2,5	31	43	16	10	3,040
M24 x 1850	0112M-1850	Rd24 x 1850	0112-1850	2,5	31	43	16	10	3,082
M24 x 2500	0112M-2500	Rd24 x 2500	0112-2500	2,5	31	43	16	10	4,150
M30 x 380	0169-380	Rd30 x 380	0116-380	4,0	38	56	20	10	1,314
M30 x 400	0116M-400	Rd30 x 400	0115	4,0	38	56	20	10	1,363
M30 x 500	0116M-500	Rd30 x 500	0116	4,0	38	56	20	10	1,495
M30 x 540	0116M-540	Rd30 x 540	0116-540	4,0	38	56	20	10	1,578
M30 x 600	0119M	Rd30 x 600	0117	4,0	38	56	20	10	2,598
M30 x 700	0116M-700	Rd30 x 700	0179-700	4,0	38	56	20	10	1,989

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- straight bar anchor (STA) - special lengths

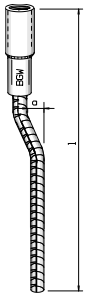
EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW- Rod anchors_all load levels.pdf
Test report: https://BGW- bohr.de/Pruefberichte_Zugversuche.htm
Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

M thread		Rd thread		Load level t	D mm	e mm	c mm	PU piece	Weight kg/piece
Type d x h	Item no.	Type d x h	Item no.						
M30 x 800	0116M-800	Rd30 x 800	0179	4,0	38	56	20	10	2,319
M30 x 840	0116M-840	Rd30 x 840	0179-840	4,0	38	56	20	10	2,353
M30 x 1000	0118M-1000	Rd30 x 1000	0170	4,0	38	56	20	10	2,821
M30 x 1100	0116M-1100	Rd30 x 1100	0172	4,0	38	56	20	10	3,092
M30 x 1300	0116M-1300	Rd30 x 1300	0173	4,0	38	56	20	10	3,495
M30 x 1500	0174M	Rd30 x 1500	0174	4,0	38	56	20	10	4,854
M30 x 1850	0116M-1850	Rd30 x 1850	0175	4,0	38	56	20	10	6,400
M36 x 300	0120M-300	Rd36 x 300	0184	6,3	48	69	25	10	1,805
M36 x 380	0123M	Rd36 x 380	0120-380	6,3	48	69	25	10	2,074
M36 x 670	0120M-670	Rd36 x 670	0120-670	6,3	48	69	25	10	3,129
M36 x 980	0120M-980	Rd36 x 980	0122-980	6,3	48	69	25	10	4,342
M36 x 1100	0120M-1100	Rd36 x 1100	0180	6,3	48	69	25	10	4,887
M36 x 1250	0171	Rd36 x 1250	0120-1250	6,3	48	69	25	10	5,460
M36 x 1500	0120M-1500-28	Rd36 x 1500	0122-1500-28	6,3	48	69	28	10	6.960
M36 x 2200	0120M-2200	Rd36 x 2200	0183	6,3	48	69	25	10	7,500
M42 x 700	0124M-700	Rd42 x 700	0124-700	8,0	54	80	28	10	4,295
M42 x 780	0124M-780	Rd42 x 780	0124-780	8,0	54	80	28	10	4,600
M42 x 900	0124M-900	Rd42 x 900	0192	8,0	54	80	28	10	5,260
M42 x 1000	0124M-1000	Rd42 x 1000	0124-1000	8,0	54	80	28	10	5,313
M42 x 1100	0124M-1100	Rd42 x 1100	01920	8,0	54	80	28	10	5,743
M42 x 3000	0124M-3000	Rd42 x 3000	0192-1	8,0	54	80	28	10	
M42 x 3500	0124M-3500	Rd42 x 3500	0124-3500	8,0	54	80	28	10	
M52 x 1100	0126M-1100	Rd52 x 1100	0129	12,5	70	90	32	10	6,731
M52 x 2500	0126M-2500	Rd52 x 2500	0126-2500	12,5	70	90	32	10	
M52 x 3300	0126M-3300	Rd52 x 3300	0126-3300	12,5	70	90	32	10	
M56 x 2500	0144M-2500	Rd56 x 2500	0143	15,0	70	80	40	10	23,775



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- straight bar anchor cranked / sandwich panel anchors - M and Rd thread - Galvanised, V2A, V4A for transporting sandwich panels, etc.



EC Declaration of Conformity: https://BGW- bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW-Stabanker_gekroepft_alleLaststufen

Threaded anchors can be very useful not only as Transport anchors, but also for temporarily fastening components, steel components such as supports, struts, signs, etc.

BGW- Straight bar anchors are particularly suitable for installation in sandwich panels or in components where the edge distances cannot otherwise be maintained. Examples: Shaft structures and garages. The offset can be determined by the customer. As a rule, this is Rd 16 – Rd 24 offset 50 mm, Rd 30 – 36 offset 60 mm, Rd 42 offset 70, Rd 52 – offset 60 mm. The offset angle is usually 30°. A round thread (Rd) is cut into the Galvanised or Stainless steel sleeve. Before installing the straight bar anchor in the precast concrete element, the thread should be visually inspected and greased. Round threads are particularly recommended as they are less sensitive to dirt and damage than other types of threads. BGW- holding magnets type HM4 are recommended for fixing to steel formwork.



To ensure that the anchor is correctly seated when installed, BGW retaining discs or BGW recessed bodies with markings must be used.
Plastic sealing plugs or retaining discs are used to prevent dirt and concrete from entering the thread of the sleeve. The front end of the anchor rods is painted in a color that matches the corresponding lifting rope loops. The rod anchor lengths and rod diameters can be modified to suit your specific installation, but it must be taken into account that the load level may change.
For your information: The metallic load-bearing capacity data was first verified on June 27, 1989, in the G3-MPW 33-now-kol test report by the Bavarian Technical Inspection Association (Technischer Überwachungsverein Bayern E.V.). Monitoring in our own laboratory. On February 7, 1992, BGW straight bar anchors from Rd12 to Rd 52 were successfully tested for the first time in unreinforced concrete structures by means of destructive testing under the most unfavorable installation conditions. You can read about the tests at www.bgw-bohr.de.

Straight bar anchors – Galvanised sleeve

M thread		Rd thread		Load level t	Offset a mm	D mm	e mm	c mm	PU piece	Weight kg/piece	Price €/piece
d x h	Item no.	Type d x h	Item no.								
M20 x 350	0108Ma	Rd20 x 350	0108a	2,0	50	27	35	14	25	0,550	3,85
M24 x 400	0112Ma	Rd24 x 400	0112a	2,5	50	31	43	16	25	0,830	4,76
M30 x 500	0116Ma	Rd30 x 500	0116a	4,0	60	38	56	20	10	1,520	7,19
M30 x 900	0118Ma	Rd30 x 900	0118a	4,0	60	38	56	20	10	2,500	8,01
M36 x 650	0120Ma	Rd36 x 650	0120a	6,3	70	48	69	25	10	3,110	12,43
M36 x 900	0122Ma	Rd36 x 900	0122a	6,3	70	48	69	25	10	4,110	13,71
M42 x 800	0124Ma	Rd42 x 800	0124a	8,0	70	54	80	28	10	4,750	18,63
M52 x 900	0126Ma	Rd52 x 900	0126a	12,5	70	70	90	32	10	6,950	35,03
M56 x 1200	0144Ma	Rd56 x 1200	0144a	15,0	70	70	80	40	10	13,670	67,6
M60 x 1400	0145Ma	Rd60 x 1400	0145a	20,0	70	76	85	40	10	16,300	79,03
M48 x 1260	0147Ma	Rd48 x 1260	0147a	22,0	70	70	60	40	10	14,080	83,68

Einbaubeispiel:



Cranked straight bar anchor – sleeve in Stainless steel V2A, V4A

M thread			Rd thread			Load level t	Crank a mm	D mm	e mm	c mm	PU	Weight kg piece	Price €/ piece V2A	Price € piece V4A
Type d x h	Item no. V2A	Item no. V4A	Type d x h	Item no. V2A	Item no. V4A									
M20 x 350	0108MEa	0108MEEa	Rd20 x 350	0108Ea	0108EEa	2,0	50	27	35	14	25	0,55	10,79	12,8
M24 x 400	0112MEa	0112MEEa	Rd24 x 400	0112Ea	0112EEa	2,5	50	31	43	16	25	0,83	13,04	15,49
M30 x 500	0116MEa	0116MEEa	Rd30 x 500	0116Ea	0116EEa	4,0	60	38	56	20	10	1,52	27,95	33,34
M30 x 900	0118MEa	0118MEEa	Rd30 x 900	0118Ea	0118EEa	4,0	60	38	56	20	10	2,50	28,85	34,42
M36 x 650	0120MEa	0120MEEa	Rd36 x 650	0120Ea	0120EEa	6,3	70	48	69	25	10	3,11	41,13	49,13
M36 x 900	0122MEa	0122MEEa	Rd36 x 900	0122Ea	0122EEa	6,3	70	48	69	25	10	4,11	42,56	50,84
M42 x 800	0124MEa	0124MEEa	Rd42 x 800	0124Ea	0124EEa	8,0	70	54	80	28	10	4,75	61,76	73,85
M52 x 900	0126MEa	0126MEEa	Rd52 x 900	0126Ea	0126EEa	12,5	70	70	90	32	10	6,95	76,12	91,05
M56 x 1200	0144MEa	0144MEEa	Rd56 x 1200	0144Ea	0144EEa	15,0	70	70	80	40	10	13,67		
M60 x 1400	0145MEa	0145MEEa	Rd60 x 1400	0145Ea	0145EEa	20,0	70	76	85	40	10	16,30		
M48 x 1260	0147MEa	0147MEEa	Rd48 x 1260	0147Ea	0147EEa	22,0	70	70	60	40	10	14,08		

BGW- straight bar anchor cranked/ sandwich panel anchors sealed

– M and Rd thread Galvanised, V2A, V4A

The "seal" is a sealant that has been installed between the threaded anchor reinforcement and the threaded part of the transport anchor. This "seal" ensures that no rust can flow from the Reinforcing bar of the anchor into the threaded part of the transport anchor.



The illustration shows a cutaway transport anchor with this seal.

The low-viscosity sealant, an epoxy resin, is poured onto the Reinforcing bar in a layer with a thickness of approx. 3 mm into the grease-free, cleaned thread of the threaded sleeve, whereby the low-viscosity resin flows into every crack, into the Compression, between the threaded sleeve and the Reinforcing bar. Once this resin has hardened after a few hours, it is ensured that no more rust can flow from the Reinforcing bar of the anchor into the threaded part of the threaded transport anchor

.

Approvals/tests/installation instructions: https://www.bgw-bohr.de/qualitaet.htm

Straight bar anchor, sealed – Galvanised sleeve

M thread		Rd thread		Load rating t	Offset a mm	D mm	e mm	c mm	PU piece	Weight kg/piece	Price €/piece
d x h	Item no.	Type d x h	Item no.								
M20 x 350	0108MaV	Rd20 x 350	0108aV	2,0	50	27	35	14	25	0,550	3,85
M24 x 400	0112MaV	Rd24 x 400	0112aV	2,5	50	31	43	16	25	0,830	4,76
M30 x 500	0116MaV	Rd30 x 500	0116aV	4,0	60	38	56	20	10	1,520	7,19
M30 x 900	0118MaV	Rd30 x 900	0118aV	4,0	60	38	56	20	10	2,500	8,01
M36 x 650	0120MaV	Rd36 x 650	0120aV	6,3	70	48	69	25	10	3,110	12,43
M36 x 900	0122MaV	Rd36 x 900	0122aV	6,3	70	48	69	25	10	4,110	13,71
M42 x 800	0124MaV	Rd42 x 800	0124aV	8,0	70	54	80	28	10	4,750	18,63
M52 x 900	0126MaV	Rd52 x 900	0126aV	12,5	70	70	90	40	10	6,950	35,03
M56 x 1200	0144MaV	Rd56 x 1200	0144aV	15,0	70	70	80	40	10	13,670	67,6
M60 x 1400	0145MaV	Rd60 x 1400	0145aV	20,0	70	76	85	40	10	16,300	79,03
M48 x 1260	0147MaV	Rd48 x 1260	0147aV	22,0	70	70	60	40	10	14,080	83,68

Cranked sealed straight bar anchor – sleeve in Stainless steel V2A, V4A

M thread			Rd thread			Load level t	Crank a mm	D mm	e mm	c mm	PU pcs	Weight weight kg pcs	Price €/unit V2A	Price €/unit V4A
Type d x h	Item no. V2A	Item no. V4A	Type d x h	Item no. V2A	Item no. V4A									
M20 x 350	0108MEaV	0108MEEaV	Rd20 x 350	0108EaV	0108EEaV	2,0	50	27	35	14	25	0,550	10,79	12,8
M24 x 400	0112MEaV	0112MEEaV	Rd24 x 400	0112EaV	0112EEaV	2,5	50	31	43	16	25	0,830	13,04	15,49
M30 x 500	0116MEaV	0116MEEaV	Rd30 x 500	0116EaV	0116EEaV	4,0	60	38	56	20	10	1,520	27,95	33,34
M30 x 900	0118MEaV	0118MEEaV	Rd30 x 900	0118EaV	0118EEaV	4,0	60	38	56	20	10	2,500	28,85	34,42
M36 x 650	0120MEaV	0120MEEaV	Rd36 x 650	0120EaV	0120EEaV	6,3	70	48	69	25	10	3,110	41,13	49,13
M36 x 900	0122MEaV	0122MEEaV	Rd36 x 900	0122EaV	0122EEaV	6,3	70	48	69	25	10	4,110	42,56	50,84
M42 x 800	0124MEaV	0124MEEaV	Rd42 x 800	0124EaV	0124EEaV	8,0	70	54	80	28	10	4,750	61,76	73,85
M52 x 900	0126MEaV	0126MEEaV	Rd52 x 900	0126EaV	0126EEaV	12,5	70	70	90	40	10	6,950	76,12	91,05
M56 x 1200	0144MEaV	0144MEEaV	Rd56 x 1200	0144EaV	0144EEaV	15,0	70	70	80	40	10	13,670		
M60 x 1400	0145MEaV	0145MEEaV	Rd60 x 1400	0145EaV	0145EEaV	20,0	70	76	85	40	10	16,300		
M48 x 1260	0147MEaV	0147MEEaV	Rd48 x 1260	0147EaV	0147EEaV	22,0	70	70	60	40	10	14,080		

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Double wave anchors DWL and DWK



BGW- double wave anchor (DWL) M and Rd thread e – Galvanised, V2A, V4A

Threaded anchors can be very useful not only as Transport anchors, but also for temporarily fastening components, steel components such as supports, struts, signs, etc. Version as BGW- straight bar anchors, but with corrugated concrete steel end. Their design makes them particularly suitable for slim precast concrete elements and for installation in thin walls. An Rd thread is cut into the electro-Galvanised or Stainless steel sleeve, which should be greased before installation in the precast concrete element. BGW- holding magnets type HM4 are recommended for fixing to steel formwork. To ensure that the anchor is correctly seated when installed, BGW retaining discs or BGW recessed bodies with markings must be used. Plastic sealing plugs or retaining discs are used to prevent dirt and concrete from entering the thread of the sleeve. The anchor length and rod diameter can be modified to suit your specific installation, but it should be noted that this may change the load level.

For your information: The metallic load-bearing capacity data was first verified on June 27, 1989, in the test report G3-MPW 33-now-kol by the Bavarian Technical Inspection Association (TÜV Bayern E.V.). Monitoring in our own laboratory. Through pull-out tests of Transport anchors from unreinforced concrete test specimens – test report M-No. 2920256 dated February 26, 1992 (by LGA Bayern). The most unfavorable anchors and the most unfavorable installation cases were selected for the tests at that time.

Installation instructions: https://www.bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf
Approvals/tests/installation instructions: https://www.bgw-bohr.de/qualitaet.htm
Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

DWL – double wave anchors, long form – Galvanised sleeve

M thread		Rd thread		Load stage t	D mm	e mm	f mm	g = min. c x 2.5	c mm	PU piece	Weight kg/piece	Price €/piece
Type d x h	Item no.	Type d x h	Item no.									
M12 x 137	0200M	Rd12 x 137	0200	0,5	16	22	40	20	8	250	0,080	0,77
M14 x 170	0202M	Rd14 x 170	0202	0,8	20	25	48	25	10	150	0,140	0,88
M16 x 216	0204M	Rd16 x 216	0204	1,2	21,5	27	58	30	10	100	0,190	1,18
M18 x 235	0206M	Rd18 x 235	0206	1,6	24	34	65	30	12	50	0,290	1,66
M20 x 257	0208M	Rd20 x 257	0208	2,0	27	35	70	35	14	50	0,420	2,07
M24 x 360	0210M	Rd24 x 360	0210	2,5	32	43	80	40	16	25	0,700	2,48
M30 x 450	0212M	Rd30 x 450	0212	4,0	38	56	101	50	20	10	1,390	4,24
M36 x 570	0214M	Rd36 x 570	0214	6,3	48	69	110	62	25	10	2,650	7,34
M42 x 620	0216M	Rd42 x 620	0216	8,0	54	80	140	70	28	10	3,750	11,40
M52 x 880	0273M	Rd52 x 880	0218	12,5	70	90	170	80	32	10	6,510	28,94
M56 x 1200	0273-1M	Rd56 x 1200	0273	15,0	70	80	170	90	40	10	13,670	55,00
M60 x 1400	0218-60M	Rd60 x 1400	0218-60	20,0	76	85	170	100	40	10	16,300	65,00
M48 x 1260	0218-1M	Rd48 x 1260	0218-1	22,0	70	60	140	100	40	10	14,080	57,00

DWL - Double wave anchors, long form - Sleeve Stainless steel V2A, V4A

M thread			Rd thread			Load level t	D mm	e mm	f mm	g = min. c x 2.5	c mm	PU piece	Weight weight kg/piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Item no. V2A	Item no. V4A	Type d x h	Item no. V2A	Item no. V4A										
M12 x 137	0238ME	0238MEE	Rd12 x 137	0238E	0238E-1	0,5	16	22	40	20	8	250	0,080	2,61	3,13
M14 x 170	0202ME	0202MEE	Rd14 x 170	0202E	0202EE	0,8	20	25	48	25	10	150	0,140	3,20	3,84
M16 x 216	0204ME	0204MEE	Rd16 x 216	0204E	0204EE	1,2	21,5	27	58	30	10	100	0,190	4,35	5,22
M18 x 235	0223ME	0223MEE	Rd18 x 235	0223E	0223EE	1,6	24	34	65	25	12	50	0,290	6,75	8,10
M20 x 257	0209ME	0209MEE	Rd20 x 257	0209E	0209EE	2,0	27	35	70	35	14	50	0,420	8,10	9,72
M24 x 360	0210ME	0210MEE	Rd24 x 360	0210E	0210EE	2,5	32	43	80	40	16	25	0,700	9,64	11,57
M30 x 450	0231ME	0231MEE	Rd30 x 450	0231E	0231EE	4,0	38	56	101	50	20	10	1,390	22,55	27,06
M36 x 570	0214ME	0214MEE	Rd36 x 570	0214E	0214EE	6,3	48	69	110	62	25	10	2,650	32,42	38,90
M42 x 620	0216ME	0216MEE	Rd42 x 620	0216E	0216EE	8,0	54	80	140	70	28	10	3,750	49,03	58,84
M52 x 880	0218ME	0218MEE	Rd52 x 880	0218E	0218EE	12,5	70	90	170	80	32	10	6,510	63,25	75,90
M56 x 1200	0273ME	0273MEE	Rd56 x 1200	0273E	0273EE	15,0	70	80	170	90	40	10	13,670		
M60 x 1400	0218-60ME	0218-60MEE	Rd60 x 1400	0218-60E	0218-60EE	20,0	76	85	170	100	40	10	16,300		
M48 x 1260	0218-1ME	0218-1MEE	Rd48 x 1260	0218-1E	0218-1EE	22,0	70	60	140	100	40	10	14,080		

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- double-wave anchor (DWL) sealed, M and Rd thread e – Galvanised, V2A, V4A

The "seal" is a sealant that is installed between the threaded anchor reinforcement and the threaded part of the Transport anchor. This "seal" ensures that no rust can flow from the anchor's Reinforcing bar into the threaded part of the Transport anchor. The thin-flowing sealant, an epoxy resin, is poured onto the Reinforcing bar in a layer with a thickness of approx. 3 mm into the grease-free, cleaned thread of the threaded sleeve, whereby the thin-flowing resin flows into every crack, into the Compression, between the threaded sleeve and the Reinforcing bar. Once this resin has hardened after a few hours, it is ensured that no more rust can flow from the Reinforcing bar of the anchor into the threaded part of the threaded transport anchor.



The illustration shows a cutaway transport anchor with this sealant.

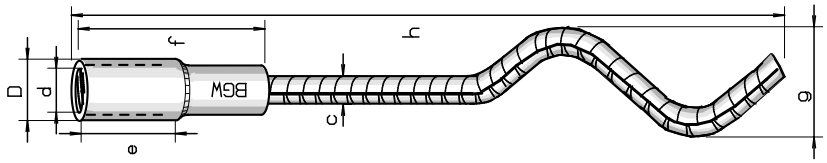
EC Conf.: https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erkaerung_BGW-Doppelwellenanker_lang_alleLaststufen.pdf
Expert opinion on application conditions for BGW transport anchor systems: https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

DWL – Double wave anchors, long form, sealed – Galvanised sleeve

M thread		Rd thread		Load level t	D mm	e mm	f mm	g = min. c x 2.5	c mm	PU piece	Weight kg/piece	Price €/piece
Type d x h	Item no.	Type d x h	Item no.									
M12 x 137	0200MV	Rd12 x 137	0200V	0,5	16	22	40	20	8	250	0,080	1,42
M14 x 170	0202MV	Rd14 x 170	0202V	0,8	20	25	48	25	10	150	0,140	1,53
M16 x 216	0204MV	Rd16 x 216	0204V	1,2	21,5	27	58	30	10	100	0,190	1,76
M18 x 235	0206MV	Rd18 x 235	0206V	1,6	24	34	65	30	12	50	0,290	2,11
M20 x 257	0208MV	Rd20 x 257	0208V	2,0	27	35	70	35	14	50	0,420	2,57
M24 x 360	0210MV	Rd24 x 360	0210V	2,5	32	43	80	40	16	25	0,700	2,98
M30 x 450	0212MV	Rd30 x 450	0212V	4,0	38	56	101	50	20	10	1,390	5,24
M36 x 570	0214MV	Rd36 x 570	0214V	6,3	48	69	110	62	25	10	2,650	8,47
M42 x 620	0216MV	Rd42 x 620	0216V	8,0	54	80	140	70	28	10	3,750	12,70
M52 x 880	0218MV	Rd52 x 880	0218V	12,5	70	90	170	80	32	10	6,510	30,44
M56 x 1200	0273MV	Rd56 x 1200	0273V	15,0	70	80	170	90	40	10	13,670	56,80
M60 x 1400	0218-60MV	Rd60 x 1400	0218-60V	20,0	76	85	170	100	40	10	16,300	66,83
M48 x 1260	0218-1MV	Rd48 x 1260	0218-1V	22,0	70	60	140	100	40	10	14,080	58,48

DWL - Double wave anchors, long form sealed - Sleeve Stainless steel V2A, V4A

M thread			Rd thread			Load level t	D mm	e mm	f mm	g = min. c x 2.5	c mm	PU piece	Weight kg/piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Item no. V2A	Item no. V4A	Type d x h	Item no. V2A	Item no. V4A										
M12 x 137	0238MEV	0238MEEV	Rd12 x 137	0238EV	0238EEV	0,5	16	22	40	20	8	250	0,080	3,26	3,78
M14 x 170	0202MEV	0202MEEV	Rd14 x 170	0202EV	0202EEV	0,8	20	25	48	25	10	150	0,140	3,85	4,49
M16 x 216	0204MEV	0204MEEV	Rd16 x 216	0204EV	0204EEV	1,2	21,5	27	58	30	10	100	0,190	5	5,87
M18 x 235	0223MEV	0223MEEV	Rd18 x 235	0223EV	0223EEV	1,6	24	34	65	25	12	50	0,290	7,5	8,85
M20 x 257	0209MEV	0209MEEV	Rd20 x 257	0209EV	0209EEV	2,0	27	35	70	35	14	50	0,420	8,85	10,47
M24 x 360	0210MEV	0210MEEV	Rd24 x 360	0210EV	0210EEV	2,5	32	43	80	40	16	25	0,700	10,39	12,32
M30 x 450	0231MEV	0231MEEV	Rd30 x 450	0231EV	0231EEV	4,0	38	56	101	50	20	10	1,390	23,55	28,06
M36 x 570	0214MEV	0214MEEV	Rd36 x 570	0214EV	0214EEV	6,3	48	69	110	62	25	10	2,650	33,55	40,03
M42 x 620	0216MEV	0216MEEV	Rd42 x 620	0216EV	0216EEV	8,0	54	80	140	70	28	10	3,750	50,33	60,14
M52 x 880	0218MEV	0218MEEV	Rd52 x 880	0218EV	0218EEV	12,5	70	90	170	80	32	10	6,510	64,75	77,4
M56 x 1200	0273MEV	0273MEEV	Rd56 x 1200	0273EV	0273EEV	15,0	70	80	170	90	40	10	13,670		
M60 x 1400	0218-60MEV	0218-60MEEV	Rd60 x 1400	0218-60EV	0218-60EEV	20,0	76	85	170	100	40	10	16,300		
M48 x 1260	0218-1MEV	0218-1MEEV	Rd48 x 1260	0218-1EV	0218-1EEV	22,0	70	60	140	100	40	10	14,080		



BGW- double wave anchor (DWK) M and Rd thread – Galvanised, V2A, V4A

EC configuration: https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erkaerung_BGW-Doppelwellenanker_lang_alleLaststufen.pdf
Expert opinion on conditions of use for BGW transport anchor systems: https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

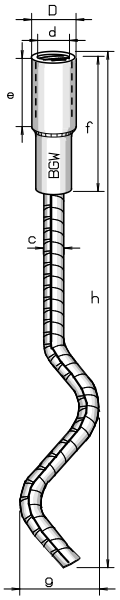
DWK – Double wave anchors, short form – Galvanised sleeve

M thread		Rd thread		Load level t	D mm	e mm	f mm	g = min. c x 2.5	c mm	PU piece	Weight kg/piece	Price €/piece
Type d x h	Item no.	Type d x h	Item no.									
M12 x 108	0250M	Rd12 x 108	0250	0,5	16	22	40	20	8	250	0,070	0,74
M14 x 130	0252M	Rd14 x 130	0252	0,8	20	25	48	25	10	150	0,110	0,87
M16 x 167	0254M	Rd16 x 167	0254	1,2	21,5	27	58	30	10	100	0,160	1,07
M18 x 175	0256M	Rd18 x 175	0256	1,6	24	34	65	30	12	100	0,230	1,64
M20 x 187	0258M	Rd20 x 187	0258	2,0	27	35	70	35	14	50	0,330	1,99
M24 x 240	0260M	Rd24 x 240	0260	2,5	32	43	80	40	16	25	0,520	2,35
M30 x 300	0262M	Rd30 x 300	0262	4,0	38	56	101	50	20	10	0,950	3,99
M36 x 380	0264M	Rd36 x 380	0264	6,3	48	69	110	62	25	10	1,890	6,98
M42 x 450	0266M	Rd42 x 450	0266	8,0	54	80	140	70	28	10	2,800	10,89

DWK - Double wave anchors, short form - Sleeve Stainless steel V2A, V4A

M thread			Rd thread			Load level t	D mm	e mm	f mm	g = min. c x 2.5	c mm	PU piece	Weight kg/piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Item no. V2A	Item no. V4A	Type d x h	Item no. V2A	Item no. V4A										
M12 x 108	0250ME	0250MEE	Rd12 x 108	0250E	0250EE	0,5	16	22	40	20	8	250	0,070	2,58	3,10
M14 x 130	0207ME	0207MEE	Rd14 x 130	0207E	0207EE	0,8	20	25	48	25	10	150	0,110	3,20	3,84
M16 x 167	0254ME	0254MEE	Rd16 x 167	0254E	0254EE	1,2	21,5	27	58	30	10	100	0,160	4,19	5,03
M18 x 175	0255ME	0255MEE	Rd18 x 175	0255E	0255EE	1,6	24	34	65	30	12	100	0,230	6,75	8,10
M20 x 187	0257ME	0257MEE	Rd20 x 187	0257E	0257EE	2,0	27	35	70	35	14	50	0,330	8,08	9,70
M24 x 240	0260ME	0260MEE	Rd24 x 240	0260E	0260EE	2,5	32	43	80	40	16	25	0,520	9,31	11,17
M30 x 300	0261ME	0261MEE	Rd30 x 300	0261E	0261EE	4,0	38	56	101	50	20	10	0,950	22,01	26,41
M36 x 380	0263ME	0263MEE	Rd36 x 380	0263E	0263EE	6,3	48	69	110	62	25	10	1,890	31,44	37,73
M42 x 450	0266ME	0266MEE	Rd42 x 450	0266E	0266EE	8,0	54	80	140	70	28	10	2,800	48,01	57,61





BGW- double-wave anchor (DWK) sealed, M and Rd thread e – Galvanised, V2A, V4A

The "seal" is a sealant that is installed between the threaded anchor reinforcement and the threaded part of the transport anchor. This "seal" ensures that no rust can flow from the anchor's Reinforcing bar into the threaded part of the transport anchor.
The low-viscosity sealant, an epoxy resin, is poured onto the Reinforcing bar in a layer with a thickness of approx. 3 mm into the grease-free, cleaned thread of the threaded sleeve, whereby the low-viscosity resin flows into every crack, into the Compression, between the threaded sleeve and the Reinforcing bar. Once this resin has hardened after a few hours, it is ensured that no more rust can flow from the Reinforcing bar of the anchor into the threaded part of the threaded transport anchor.



The illustration shows a cutaway transport anchor with this sealant.

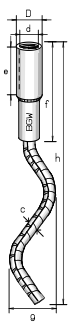
Approvals/tests/installation instructions: https://www.bgw-bohr.de/qualitaet.htm
Expert opinion on application conditions for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

DWK - Double wave anchors, short form sealed - Galvanised sleeve

M thread		Rd thread		Load level t	D mm	e mm	f mm	g = min. c x 2.5	c mm	PU piece	Weight kg/piece	Price €/piece
Type d x h	Item no.	Type d x h	Item no.									
M12 x 108	0250-1MV	Rd12 x 108	0250V	0,5	16	22	40	20	8	250	0,070	1,39
M14 x 130	0252MV	Rd14 x 130	0252V	0,8	20	25	48	25	10	150	0,110	1,52
M16 x 167	0254MV	Rd16 x 167	0254V	1,2	21,5	27	58	30	10	100	0,160	1,72
M18 x 175	0256MV	Rd18 x 175	0256V	1,6	24	34	65	30	12	100	0,230	2,39
M20 x 187	0258MV	Rd20 x 187	0258V	2,0	27	35	70	35	14	50	0,330	2,74
M24 x 240	0260MV	Rd24 x 240	0260V	2,5	32	43	80	40	16	25	0,520	3,1
M30 x 300	0262MV	Rd30 x 300	0262V	4,0	38	56	101	50	20	10	0,950	4,99
M36 x 380	0264MV	Rd36 x 380	0264V	6,3	48	69	110	62	25	10	1,890	8,11
M42 x 450	0266MV	Rd42 x 450	0266V	8,0	54	80	140	70	28	10	2,800	12,19

DWK - Double wave anchors, short form sealed - Sleeve Stainless steel V2A, V4A

M thread			Rd thread			Load level t	D mm	e mm	f mm	g = min. c x 2.5	c mm	PU piece	weight kg/piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Item no. V2A	Item no. V4A	Type d x h	Item no. V2A	Item no. V4A										
M12 x 108	0250MEV	0250MEEV	Rd12 x 108	0250EV	0250EEV	0,5	16	22	40	20	8	250	0,070	3,23	3,75
M14 x 130	0207MEV	0207MEEV	Rd14 x 130	0207EV	0207EEV	0,8	20	25	48	25	10	150	0,110	3,85	4,49
M16 x 167	0254MEV	0254MEEV	Rd16 x 167	0254EV	0254EEV	1,2	21,5	27	58	30	10	100	0,160	4,84	5,68
M18 x 175	0255MEV	0255MEEV	Rd18 x 175	0255EV	0255EEV	1,6	24	34	65	30	12	100	0,230	7,5	8,85
M20 x 187	0257MEV	0257MEEV	Rd20 x 187	0257EV	0257EEV	2,0	27	35	70	35	14	50	0,330	8,83	10,45
M24 x 240	0260MEV	0260MEEV	Rd24 x 240	0260EV	0260EEV	2,5	32	43	80	40	16	25	0,520	10,06	11,92
M30 x 300	0261MEV	0261MEEV	Rd30 x 300	0261EV	0261EEV	4,0	38	56	101	50	20	10	0,950	23,01	27,41
M36 x 380	0263MEV	0263MEEV	Rd36 x 380	0263EV	0263EEV	6,3	48	69	110	62	25	10	1,890	32,57	38,86
M42 x 450	0266MEV	0266MEEV	Rd42 x 450	0266EV	0266EEV	8,0	54	80	140	70	28	10	2,800	49,31	58,91





bohr GmbH GERMAN QUALITY SINCE 1986

BGW- double wave anchor (DW) M and Rd thread - special lengths

Threaded anchors can be very useful not only as Transport anchors, but also for temporarily fastening components, steel components such as supports, struts, signs, etc. Version as BGW straight bar anchors, but with corrugated concrete steel ends. Their design makes them particularly suitable for slim precast concrete elements and for installation in thin walls. A Rd thread is cut into the electro-galvanized or Stainless steel sleeve, which should be greased before installation in the precast concrete element. BGW magnetic anchors type HM 4 are recommended for fixing to steel formwork. To ensure that the anchor is correctly seated when installed, BGW retaining discs or BGW recessed bodies with markings must be used. Plastic sealing plugs or retaining discs are used to prevent dirt and concrete from entering the thread of the sleeve.The anchor length and rod diameter can be modified to suit your specific installation, but it must be taken into account that the load level may change. For your information: The metallic load-bearing capacity data was first verified on June 27, 1989, in the test report G3-MPW 33-now-kol by the Bavarian Technical Inspection Association (Technischer Überwachungsverein Bayern E.V.). Monitoring in our own laboratory. Through pull-out tests of Transport anchors from unreinforced concrete test specimens – test report M-No. 2920256 dated February 26, 1992 (by LGA Bayern). The most unfavorable anchors and the most unfavorable installation cases were selected for the tests at that time.

Installation instructions: https://www.bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf
Approvals/tests/installation instructions: https://www.bgw-bohr.de/qualitaet.htm
Expert opinion on conditions of use for BGW transport anchor systems: https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

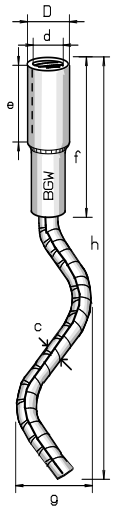
M thread		Rd thread		Load stage t	D mm	e mm	f mm	g = min. c x 2.5	c mm	PU piece	Weight kg/piece
Type d x h	Item no.	Type d x h	Item no.								
12x190	0291M	12x190	0291	0,5	16	22	40	20	8	250	
12x200	0200-200M	12x200	0200-200	0,5	16	22	40	20	8	250	0,101
12x300	0291-300M	12x300	0291-300	0,5	16	22	40	20	8	250	0,144
12x300	0291-300/10M	12x300	0291-300/10	0,5	16	22	40	20	8	250	0,244
12x350	0291-350M	12x350	0291-350	0,5	16	22	40	20	8	250	
16x140	0287M	16x140	0287	1,2	21,5	27	58	30	10	100	0,187
16x150	02402	16x150	02402-150	1,2	21,5	27	58	30	10	100	0,166
16x160	0221M	16x160	0221	1,2	21,5	27	58	30	10	100	0,216
16x170	0253M	16x170	0253-170	1,2	21,5	27	58	30	10	100	0,234
16x230	0204M-230	16x230	0204-230	1,2	21,5	27	58	30	10	100	0,215
16x250	0240	16x250	0204-250	1,2	21,5	27	58	30	10	100	0,296
16x260	0204-260M	16x260	0204-260	1,2	21,5	27	58	30	10	100	0,250
16x320	02401	16x320	02401-320	1,2	21,5	27	58	30	10	100	0,271
16x330	0272M	16x330	0272	1,2	21,5	27	58	30	10	100	0,248
16x400	0220M	16x400	0220	1,2	21,5	27	58	30	10	100	0,306
16x500	0222-500M	16x500	0222-500	1,2	21,5	27	58	30	10	100	0,362
16x700	0222M	16x700	0222	1,2	21,5	27	58	30	10	100	0,704
16x1250	0222-1250M	16x1250	0222-1250	1,2	21,5	27	58	30	10	100	0,825
16x2000	0222-2000M	16x2000	0222-2000	1,2	21,5	27	58	30	10	100	1,307
16x2500	0222-2500M	16x2500	0222-2500	1,2	21,5	27	58	30	10	100	
18x175	0255M	18x175	0256	1,6	24	34	65	30	12	100	0,291
18x200	0256M	18x200	0256-200	1,6	24	34	65	30	12	100	0,291
18x300	0292M	18x300	0292	1,6	24	34	65	30	12	100	0,500
18x350	0206-350M	18x350	0206-350	1,6	24	34	65	30	12	100	0,460
18x500	0224-500M	18x500	0224-500	1,6	24	34	65	30	12	100	0,557
18x700	0224M	18x700	0224	1,6	24	34	65	30	12	100	0,951
20x170	0285M	20x170	0285	2,0	27	35	70	35	14	50	0,360
20x200	0282	20x200	0282-200	2,0	27	35	70	35	14	50	0,379
20x215	02411	20x215	02411-215	2,0	27	35	70	35	14	50	
20x270	0284-270M	20x270	0284-270	2,0	27	35	70	35	14	50	
20x280	0284-280M	20x280	0284-280	2,0	27	35	70	35	14	50	0,460
20x300	0284-300/16M	20x300	0284-300/16	2,0	27	35	70	35	14	50	0,576
20x350	0242	20x350	0209 / 0284	2,0	27	35	70	35	14	50	0,560
20x355	0209-355M	20x355	0209-355	2,0	27	35	70	35	14	50	0,538
20x400	0208M-400	20x400	0284-400	2,0	27	35	70	35	14	50	0,622
20x500	0284-500M	20x500	0284-500	2,0	27	35	70	35	14	50	0,695
20x600	0284-600M	20x600	0284-600	2,0	27	35	70	35	14	50	0,847
20x700	0284-700M	20x700	0284-700	2,0	27	35	70	35	14	50	0,950
20x1000	0284-1000M	20x1000	0284-1000	2,0	27	35	70	35	14	50	1,331
20x1250	0284-1250M	20x1250	0284-1250	2,0	27	35	70	35	14	50	1,633
20x2250	0284-2250M	20x2250	0284-2250	2,0	27	35	70	35	14	50	2,843
20x2570	0284-2570M	20x2570	0284-2570	2,0	27	35	70	35	14	50	3,233
24x240	0259M	24x240	0259-240	2,5	32	43	80	40	16	25	0,627
24x300	0228-300M	24x300	0228-300	2,5	32	43	80	40	16	25	0,670
24x350	0209M	24x350	0228-350L	2,5	32	43	80	40	16	25	0,833
24x450	0209M-450	24x450	0210-450	2,5	32	43	80	40	16	25	0,885
24x500	0226M	24x500	0226	2,5	32	43	80	40	16	25	0,991
24x600	0228-600M	24x600	0228-600	2,5	32	43	80	40	16	25	1,144
24x700	0228-700M	24x700	0228-700	2,5	32	43	80	40	16	25	1,265
24x800	0227M	24x800	0227	2,5	32	43	80	40	16	25	1,454
24x1000	0228M	24x1000	0228	2,5	32	43	80	40	16	25	1,640
24x1250	0210-1250M	24x1250	0210-1250	2,5	32	43	80	40	16	25	2,150
24x1500	0228-1500LM	24x1500	0228-1500L	2,5	32	43	80	40	16	25	2,500
24x2257	0228-2257LM	24x2257	0228-2257L	2,5	32	43	80	40	16	25	3,050

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- double wave anchor DW special lengths

Approvals/tests/installation instructions: https://www.bgw-bohr.de/qualitaet.htm
Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

M thread		Rd thread		Load level t	D mm	e mm	f mm	g = min. c x 2.5	c mm	PU piece	Weight kg/piece
Type d x h	Item no.	Type d x h	Item no.								
24x2300	0228-2300LM	24x2300	0228-2300L	2,5	32	43	80	40	16	25	3,793
24x2500	0228-2500LM	24x2500	0228-2500L	2,5	32	43	80	40	16	25	4,000
30x250	0244M	30x250	0244	4,0	38	56	101	50	20	10	0,993
30x340	0246M-340	30x340	0246	4,0	38	56	101	50	20	10	1,400
30x350	0246M	30x350	0246-350	4,0	38	56	101	50	20	10	0,938
30x380	0247	30x380	0247-380	4,0	38	56	101	50	20	10	0,938
30x400	0251M	30x400	0251	4,0	38	56	101	50	20	10	1,363
30x420	0286M	30x420	0286	4,0	38	56	101	50	20	10	1,700
30x490	0212-490M	30x490	0212-490	4,0	38	56	101	50	20	10	1,422
30x500	0215M	30x500	0212-500	4,0	38	56	101	50	20	10	
30x580	0248	30x580	0248-580	4,0	38	56	101	50	20	10	1,433
30x600	0232M	30x600	0232	4,0	38	56	101	50	20	10	1,857
30x800	0243M	30x800	0243	4,0	38	56	101	50	20	10	
30x900	0233M	30x900	0233	4,0	38	56	101	50	20	10	2,600
30x1000	0212-1000M	30x1000	0212-1000	4,0	38	56	101	50	20	10	2,600
30x1200	0212-1200M	30x1200	0212-1200	4,0	38	56	101	50	20	10	3,396
30x1250	0212-1250M	30x1250	0212-1250	4,0	38	56	101	50	20	10	3,396
30x1500	0230M	30x1500	0230	4,0	38	56	101	50	20	10	4,081
30x2300	0230-2300M	30x2300	0230-2300	4,0	38	56	101	50	20	10	5,941
36x340	0263-340M	36x340	0263	6,3	48	69	110	62	25	10	2,040
36x380	0263M	36x380	0263-380	6,3	48	69	110	62	25	10	2,306
36x900	0234M	36x900	0234	6,3	48	69	110	62	25	10	3,850
36x1000	0236-1000M	36x1000	0236-1000	6,3	48	69	110	62	25	10	4,300
36x1150	0236-1150M	36x1150	0236-1150	6,3	48	69	110	62	25	10	4,978
36x1500	0236M	36x1500	0236	6,3	48	69	110	62	25	10	
36x2200	0270M	36x2200	0270	6,3	48	69	110	62	25	10	6,960
42x800	0216M	42x800	0216-800	8,0	54	80	140	70	28	10	4,777
42x900	02171M	42x900	02171	8,0	54	80	140	70	28	10	5,260
42x1000	0217M-1000	42x1000	0217	8,0	54	80	140	70	28	10	5,744
42x1150	0217-1150M	42x1150	0217-1150	8,0	54	80	140	70	28	10	6,468
42x1500	0216-1500M	42x1500	0216-1500	8,0	54	80	140	70	28	10	8,154
52x500	0268M	52x500	0268	12,5	70	90	170	80	32	10	5,339
52x650	0219M	52x650	0219	12,5	70	90	170	80	32	10	6,015
52x700	0245M	52x700	02452	12,5	70	90	170	80	32	10	
52x1100	0229M	52x1100	0229	12,5	70	90	170	80	32	10	8,620
52x1150	0229-1150M	52x1150	0229-1150	12,5	70	90	170	80	32	10	6,973
52x1200	0229-1200M	52x1200	0229-1200	12,5	70	90	170	80	32	10	7,214
52x1500	0229-1500M	52x1500	0229-1500	12,5	70	90	170	80	32	10	10,754
52x2000	0229-2000M	52x2000	0229-2000	12,5	70	90	170	80	32	10	13,708





BGW- wave anchor (WL)/wave form Pfeifer - M and Rd thread – Galvanised, V2A, V4A

Threaded anchors can be very useful not only as Transport anchors, but also for temporarily fastening components, steel components such as supports, struts, signs, etc. Version of BGW straight bar anchors, but with corrugated concrete steel end. Their design makes them particularly suitable for slim precast concrete elements and for installation in thin walls. An Rd thread is cut into the electro-galvanized or Stainless steel sleeve, which should be greased before installation in the precast concrete element. BGW- holding magnets type HM4 are recommended for fixing to steel formwork. To ensure that the anchor is correctly seated when installed, BGW retaining discs or BGW recessed bodies with markings must be used. Plastic sealing plugs or retaining discs are used to prevent dirt and concrete from entering the thread of the sleeve. The anchor length and rod diameter can be modified to suit your specific installation, but it should be noted that this may change the load level. For your information: The metallic load-bearing capacity data was first verified on June 27, 1989, in test report G3-MPW 33-now-kol by the Bavarian Technical Inspection Association (TÜV Bayern E.V.). Monitoring in our own laboratory. Through pull-out tests of Transport anchors from unreinforced concrete test specimens – test report M-No. 2920256 dated February 26, 1992 (by LGA Bayern). The most unfavorable anchors and the most unfavorable installation cases were selected for the tests at that time.

Installation instructions: https://www.bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf
EC configuration: https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW-Wellenanker_lang_alleLaststufen.pdf

WL - Wavy tail anchor, long form - Galvanised sleeve

M thread		Rd thread		Load level	D	e	f	c	PU	Weight	Price
Type d x h	Item no.	Type d x h	Item no.	t	mm	mm	mm	mm	piece	kg/piece	€/piece
M12 x 137	0200MP	Rd12 x 137	0200P	0,5	16	22	40	8	250	0,080	0,77
M14 x 170	0202MP	Rd14 x 170	0202P	0,8	20	25	48	10	150	0,140	0,88
M16 x 216	0204MP	Rd16 x 216	0204P	1,2	21,5	27	58	10	100	0,190	1,18
M18 x 235	0206MP	Rd18 x 235	0206P	1,6	24	34	65	12	50	0,290	1,66
M20 x 257	0208MP	Rd20 x 257	0208P	2,0	27	35	70	14	50	0,420	2,07
M24 x 360	0210MP	Rd24 x 360	0210P	2,5	32	43	80	16	25	0,700	2,48
M30 x 450	0212MP	Rd30 x 450	0212P	4,0	38	56	101	20	10	1,390	4,24
M36 x 570	0214MP	Rd36 x 570	0214P	6,3	48	69	110	25	10	2,650	7,34
M42 x 620	0216MP	Rd42 x 620	0216P	8,0	54	80	140	28	10	3,750	11,40
M52 x 880	0273MP	Rd52 x 880	0218P	12,5	70	90	170	32	10	6,510	28,94
M56 x 1200	0273-1MP	Rd56 x 1200	0273P	15,0	70	80	170	40	10	13,670	55,00
M60 x 1400	0218-60MP	Rd60 x 1400	0218-60P	20,0	76	85	170	40	10	16,300	65,00
M48 x 1260	0218-1MP	Rd48 x 1260	0218-1P	22,0	70	60	140	40	10	14,080	57,00

WL - Wavy tail anchor, long form - Sleeve Stainless steel V2A, V4A

M thread			Rd thread			Load level	D	e	f	c	PU	Weight	Price	Price
Type d x h	Item no. V2A	Item no. V4A	Type d x h	Item no. V2A	Item no. V4A	t	mm	mm	mm	mm	pcs	kg pcs	€/unit V2A	€/unit V4A
M12 x 137	0238MEP	0238MEEP	Rd12 x 137	0238EP	0238E-1P	0,5	16	22	40	8	250	0,080	2,61	3,13
M14 x 170	0202MEP	0202MEEP	Rd14 x 170	0202EP	0202EEP	0,8	20	25	48	10	150	0,140	3,20	3,84
M16 x 216	0204MEP	0204MEEP	Rd16 x 216	0204EP	0204EEP	1,2	21,5	27	58	10	100	0,190	4,35	5,22
M18 x 235	0223MEP	0223MEEP	Rd18 x 235	0223EP	0223EEP	1,6	24	34	65	12	50	0,290	6,75	8,10
M20 x 257	0209MEP	0209MEEP	Rd20 x 257	0209EP	0209EEP	2,0	27	35	70	14	50	0,420	8,10	9,72
M24 x 360	0210MEP	0210MEEP	Rd24 x 360	0210EP	0210EEP	2,5	32	43	80	16	25	0,700	9,64	11,57
M30 x 450	0231MEP	0231MEEP	Rd30 x 450	0231EP	0231EEP	4,0	38	56	101	20	10	1,390	22,55	27,06
M36 x 570	0214MEP	0214MEEP	Rd36 x 570	0214EP	0214EEP	6,3	48	69	110	25	10	2,650	32,42	38,90
M42 x 620	0216MEP	0216MEEP	Rd42 x 620	0216EP	0216EEP	8,0	54	80	140	28	10	3,750	49,03	58,84
M52 x 880	0218MEP	0218MEEP	Rd52 x 880	0218EP	0218EEP	12,5	70	90	170	32	10	6,510	63,25	75,90
M56 x 1200	0273MEP	0273MEEP	Rd56 x 1200	0273EP	0273EEP	15,0	70	80	170	40	10	13,670		
M60 x 1400	0218-60MEP	0218-60MEEP	Rd60 x 1400	0218-60EP	0218-60EEP	20,0	76	85	170	40	10	16,300		
M48 x 1260	0218-1MEP	0218-1MEEP	Rd48 x 1260	0218-1EP	0218-1EEP	22,0	70	60	140	40	10	14,080		



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Wavy tail anchor (WK) / wave form Pfeifer - M and Rd Thread – Galvanised, V2A, V4A

Approvals/tests/installation instructions: https://www.bgw-bohr.de/qualitaet.htm

WK - Wavy tail anchor, short form - Galvanised sleeve

M thread		Rd thread		Load level t	D mm	e mm	f mm	c mm	PU piece	Weight kg/piece	Price €/piece
Type d x h	Item no.	Type d x h	Item no.								
M12 x 108	0250MP	Rd12 x 108	0250P	0,5	16	22	40	8	250	0,070	0,74
M14 x 130	0252MP	Rd14 x 130	0252P	0,8	20	25	48	8	150	0,110	0,87
M16 x 167	0254MP	Rd16 x 167	0254P	1,2	21,5	27	58	10	100	0,160	1,07
M18 x 175	0256MP	Rd18 x 175	0256P	1,6	24	34	65	12	100	0,230	1,64
M20 x 187	0258MP	Rd20 x 187	0258P	2,0	27	35	70	14	50	0,330	1,99
M24 x 240	0260MP	Rd24 x 240	0260P	2,5	32	43	80	16	25	0,520	2,35
M30 x 300	0262MP	Rd30 x 300	0262P	4,0	38	56	101	20	10	0,950	3,99
M36 x 380	0264MP	Rd36 x 380	0264P	6,3	48	69	110	25	10	1,890	6,98
M42 x 450	0266MP	Rd42 x 450	0266P	8,0	54	80	140	28	10	2,800	10,89

WK - Wavy tail anchor, short form - Sleeve Stainless steel V2A, V4A

M thread			Rd thread			Load stage t	D mm	e mm	f mm	c mm	PU piece	Weight kg piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Item no. V2A	Item no. V4A	Type d x h	Item no. V2A	Item no. V4A									
M12 x 108	0250MEP	0250MEEP	Rd12 x 108	0250EP	0250EEP	0,5	16	22	40	8	250	0,070	2,58	3,10
M14 x 130	0207MEP	0207MEEP	Rd14 x 130	0207EP	0207EEP	0,8	20	25	48	10	150	0,110	3,20	3,84
M16 x 167	0254MEP	0254MEEP	Rd16 x 167	0254EP	0254EEP	1,2	21,5	27	58	10	100	0,160	4,19	5,03
M18 x 175	0255MEP	0255MEEP	Rd18 x 175	0255EP	0255EEP	1,6	24	34	65	12	100	0,230	6,75	8,10
M20 x 187	0257MEP	0257MEEP	Rd20 x 187	0257EP	0257EEP	2,0	27	35	70	14	50	0,330	8,08	9,70
M24 x 240	0260MEP	0260MEEP	Rd24 x 240	0260EP	0260EEP	2,5	32	43	80	16	25	0,520	9,31	11,17
M30 x 300	0261MEP	0261MEEP	Rd30 x 300	0261EP	0261EEP	4,0	38	56	101	20	10	0,950	22,01	26,41
M36 x 380	0263MEP	0263MEEP	Rd36 x 380	0263EP	0263EEP	6,3	48	69	110	25	10	1,890	31,44	37,73
M42 x 450	0266MEP	0266MEEP	Rd42 x 450	0266EP	0266EEP	8,0	54	80	140	28	10	2,800	48,01	57,61



BGW- wave anchor (WL)/wave form Pfeifer, sealed, M and Rd thread – Galvanised, V2A, V4A

The "seal" is a sealant that is installed between the threaded anchor reinforcement and the threaded part of the transport anchor. This "seal" ensures that no rust can flow from the anchor's Reinforcing bar into the threaded part of the transport anchor.
The thin-flowing sealant, an epoxy resin, is poured onto the Reinforcing bar in a layer with a thickness of approx. 3 mm into the grease-free, cleaned thread of the threaded sleeve, whereby the thin-flowing resin flows into every crack, into the Compression, between the threaded sleeve and the Reinforcing bar. Once this resin has hardened after a few hours, it is ensured that from the Reinforcing bar of the anchor
no more rust can enter the threaded part of the threaded transport anchor
.



The illustration shows a cutaway transport anchor with this sealant.

CE declaration: BGW- Wave anchor long all load stages.pdf

WL - Wavy tail anchor, long form sealed – Galvanised sleeve

M thread		Rd thread		Load level t	D mm	e mm	f mm	c mm	PU piece	Weight kg/piece	Price €/piece
Type d x h	Item no.	Type d x h	Item no.								
M12 x 137	0200MVP	Rd12 x 137	0200VP	0,5	16	22	40	8	250	0,080	1,42
M14 x 170	0202MVP	Rd14 x 170	0202VP	0,8	20	25	48	10	150	0,140	1,53
M16 x 216	0204MVP	Rd16 x 216	0204VP	1,2	21,5	27	58	10	100	0,190	1,83
M18 x 235	0206MVP	Rd18 x 235	0206VP	1,6	24	34	65	12	50	0,290	2,41
M20 x 257	0208MVP	Rd20 x 257	0208VP	2,0	27	35	70	14	50	0,420	2,82
M24 x 360	0210MVP	Rd24 x 360	0210VP	2,5	32	43	80	16	25	0,700	3,23
M30 x 450	0212MVP	Rd30 x 450	0212VP	4,0	38	56	101	20	10	1,390	5,24
M36 x 570	0214MVP	Rd36 x 570	0214VP	6,3	48	69	110	25	10	2,650	8,47
M42 x 620	0216MVP	Rd42 x 620	0216VP	8,0	54	80	140	28	10	3,750	12,7
M52 x 880	0218MVP	Rd52 x 880	0218VP	12,5	70	90	170	32	10	6,510	30,44
M56 x 1200	0273MVP	Rd56 x 1200	0273VP	15,0	70	80	170	40	10	13,670	56,8
M60 x 1400	0218-60MVP	Rd60 x 1400	0218-60VP	20,0	76	85	170	40	10	16,300	66,83
M48 x 1260	0218-1MVP	Rd48 x 1260	0218-1VP	22,0	70	60	140	40	10	14,080	58,48

WL - Wavy tail anchor, long form sealed - Sleeve Stainless steel V2A, V4A

M thread			Rd thread			Load stage t	D mm	e mm	f mm	c mm	PU piece	Weight kg piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Item no. V2A	Item no. V4A	Type d x h	Item no. V2A	Item no. V4A									
M12 x 137	0238MEVP	0238MEEVP	Rd12 x 137	0238EVP	0238EEVP	0,5	16	22	40	8	250	0,080	3,26	3,78
M14 x 170	0202MEVP	0202MEEVP	Rd14 x 170	0202EVP	0202EEVP	0,8	20	25	48	10	150	0,140	3,85	4,49
M16 x 216	0204MEVP	0204MEEVP	Rd16 x 216	0204EVP	0204EEVP	1,2	21,5	27	58	10	100	0,190	5	5,87
M18 x 235	0223MEVP	0223MEEVP	Rd18 x 235	0223EVP	0223EEVP	1,6	24	34	65	12	50	0,290	7,5	8,85
M20 x 257	0209MEVP	0209MEEVP	Rd20 x 257	0209EVP	0209EEVP	2,0	27	35	70	14	50	0,420	8,85	10,47
M24 x 360	0210MEVP	0210MEEVP	Rd24 x 360	0210EVP	0210EEVP	2,5	32	43	80	16	25	0,700	10,39	12,32
M30 x 450	0231MEVP	0231MEEVP	Rd30 x 450	0231EVP	0231EEVP	4,0	38	56	101	20	10	1,390	23,55	28,06
M36 x 570	0214MEVP	0214MEEVP	Rd36 x 570	0214EVP	0214EEVP	6,3	48	69	110	25	10	2,650	33,55	40,03
M42 x 620	0216MEVP	0216MEEVP	Rd42 x 620	0216EVP	0216EEVP	8,0	54	80	140	28	10	3,750	50,33	60,14
M52 x 880	0218MEVP	0218MEEVP	Rd52 x 880	0218EVP	0218EEVP	12,5	70	90	170	32	10	6,510	64,75	77,4
M56 x 1200	0273MEVP	0273MEEVP	Rd56 x 1200	0273EVP	0273EEVP	15,0	70	80	170	40	10	13,670		
M60 x 1400	0218-60MEVP	0218-60MEEVP	Rd60 x 1400	0218-60EVP	0218-60EEVP	20,0	76	85	170	40	10	16,300		
M48 x 1260	0218-1MEVP	0218-1MEEVP	Rd48 x 1260	0218-1EVP	0218-1EEVP	22,0	70	60	140	40	10	14,080		

BGW- wavy tail anchor (WK) / Pfeifer wave form, sealed, M and Rd Thread e – Galvanised, V2A, V4A



The illustration shows a cutaway transport anchor with this sealant.

The "seal" is a sealant that is installed between the threaded anchor reinforcement and the threaded part of the Transport anchor. This "seal" ensures that no rust can flow from the anchor's Reinforcing bar into the threaded part of the Transport anchor.
The thin-flowing sealant, an epoxy resin, is poured onto the Reinforcing bar in a layer with a thickness of approx. 3 mm into the grease-free, cleaned thread of the threaded sleeve, whereby the thin-flowing resin flows into every crack, into the Compression, between the threaded sleeve and the Reinforcing bar. Once this resin has hardened after a few hours, it is ensured that from the Reinforcing bar of the anchor no more rust can flow into the threaded part of the threaded transport anchor.

Approvals/tests/installation instructions: https://www.bgw-bohr.de/qualitaet.htm

DWK - Wavy tail anchor, short form sealed - Galvanised sleeve

M thread		Rd thread		Load level t	D mm	e mm	f mm	c mm	PU piece	Weight kg/piece	Price €/piece
Type d x h	Item no.	Type d x h	Item no.								
M12 x 108	0250-1MVP	Rd12 x 108	0250VP	0,5	16	22	40	8	250	0,070	1,39
M14 x 130	0252MVP	Rd14 x 130	0252VP	0,8	20	25	48	10	150	0,110	1,52
M16 x 167	0254MVP	Rd16 x 167	0254VP	1,2	21,5	27	58	10	100	0,160	1,72
M18 x 175	0256MVP	Rd18 x 175	0256VP	1,6	24	34	65	12	100	0,230	2,39
M20 x 187	0258MVP	Rd20 x 187	0258VP	2,0	27	35	70	14	50	0,330	2,74
M24 x 240	0260MVP	Rd24 x 240	0260VP	2,5	32	43	80	16	25	0,520	3,1
M30 x 300	0262MVP	Rd30 x 300	0262VP	4,0	38	56	101	20	10	0,950	4,99
M36 x 380	0264MVP	Rd36 x 380	0264VP	6,3	48	69	110	25	10	1,890	8,11
M42 x 450	0266MVP	Rd42 x 450	0266VP	8,0	54	80	140	28	10	2,800	12,19

WK - Wavy tail anchor, short form sealed - Sleeve Stainless steel V2A, V4A

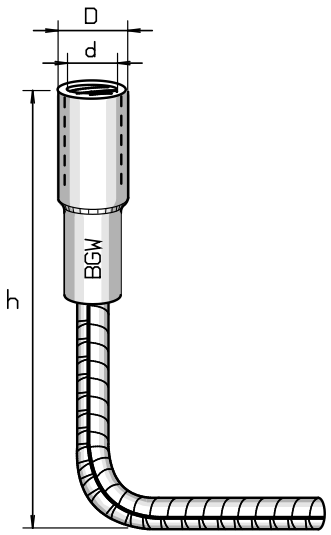
M thread			Rd thread			Load St. t	D mm	e mm	f mm	c mm	PU piece	weight kg/pcs	Price €/pcs V2A	Price €/piece V4A
Type d x h	Item no. V2A	Item no. V4A	Type d x h	Item no. V2A	Item no. V4A									
M12 x 108	0250MEVP	0250MEEVP	Rd12 x 108	0250EVP	0250EEVP	0,5	16	22	40	8	250	0,070	3,23	3,75
M14 x 130	0207MEVP	0207MEEVP	Rd14 x 130	0207EVP	0207EEVP	0,8	20	25	48	10	150	0,110	3,85	4,49
M16 x 167	0254MEVP	0254MEEVP	Rd16 x 167	0254EVP	0254EEVP	1,2	21,5	27	58	10	100	0,160	4,84	5,68
M18 x 175	0255MEVP	0255MEEVP	Rd18 x 175	0255EVP	0255EEVP	1,6	24	34	65	12	100	0,230	7,5	8,85
M20 x 187	0257MEVP	0257MEEVP	Rd20 x 187	0257EVP	0257EEVP	2,0	27	35	70	14	50	0,330	8,83	10,45
M24 x 240	0260MEVP	0260MEEVP	Rd24 x 240	0260EVP	0260EEVP	2,5	32	43	80	16	25	0,520	10,06	11,92
M30 x 300	0261MEVP	0261MEEVP	Rd30 x 300	0261EVP	0261EEVP	4,0	38	56	101	20	10	0,950	23,01	27,41
M36 x 380	0263MEVP	0263MEEVP	Rd36 x 380	0263EVP	0263EEVP	6,3	48	69	110	25	10	1,890	32,57	38,86
M42 x 450	0266MEVP	0266MEEVP	Rd42 x 450	0266EVP	0266EEVP	8,0	54	80	140	28	10	2,800	49,31	58,91



BGW- Angled fixing insert (WA) Rd thread – Galvanised, V2A, V4A

Test report: https://BGW- bohr.de/Pruefberichte_Zugversuche.htm

The BGW angled fixing insert is particularly suitable for installation in flat parts due to its low height, it is particularly suitable for installation in flat parts.



BGW- holding magnets type HM4 are recommended for fixing to steel formwork.
To ensure that the anchor is correctly seated when installed
, BGW retaining discs or
BGW recess bodies with markings must be used.

To prevent dirt and concrete from entering the thread of the sleeve,
plastic sealing plugs or Retaining discs are used.

The anchor lengths and rod diameters can be customized to your requirements on request.
be modified for specific installation situations, but it should be noted
that the load level may change.

The transport anchors must be marked so that they can be assigned to the Manufacturer, anchor type, and load group. You can do this with the recessed body, the data ring, or the data clip.

Angled fixing insert – Galvanised sleeve

Item no.	Load level t	Type d x h	D mm	Leg length mm	PU piece	Weight kg/piece	Price €/piece
0304	0,5	Rd12 x 80	16	90	200	0,085	
0308	0,8	Rd14 x 100	20	95	100	0,140	
0312	1,2	Rd16 x 120	21,5	100	100	0,220	
0316	1,6	Rd18 x 140	24	120	50	0,320	
0320-130	2,0	Rd20 x 130	27	140	50	0,395	
0320	2,0	Rd20 x 150	27	140	50	0,425	
0324	2,5	Rd24 x 150	32	160	25	0,580	

Angled fixing insert – sleeve with Stainless steel V2A

Item no.	Load level t	Type d x h	D mm	Leg length mm	PU piece	Weight kg/piece	Price €/piece V2A
0304E	0,5	Rd12 x 80	16	90	200	0,085	
0308E	0,8	Rd14 x 100	20	95	100	0,140	
0312E	1,2	Rd16 x 120	21,5	100	100	0,220	
0316E	1,6	Rd18 x 140	24	120	50	0,320	
0320-130E	2,0	Rd20 x 130	27	140	50	0,395	
0320E	2,0	Rd20 x 150	27	140	50	0,425	
0324E	2,5	Rd24 x 150	32	160	25	0,580	

Angled fixing insert with Stainless steel V4A AISI 316

Item no.	Load level t	Type d x h	D mm	Leg length mm	PU piece	Weight kg/piece	Price €/piece V4A
0304EE	0,5	Rd12 x 80	16	90	200	0,085	
0308EE	0,8	Rd14 x 100	20	95	100	0,140	
0312EE	1,2	Rd16 x 120	21,5	100	100	0,220	
0316EE	1,6	Rd18 x 140	24	120	50	0,320	
0320-130EE	2,0	Rd20 x 130	27	140	50	0,395	
0320EE	2,0	Rd20 x 150	27	140	50	0,425	
0324EE	2,5	Rd24 x 150	32	160	25	0,580	

Also available with M thread!

BGW- angled fixing insert (WA) sealed Rd thread – Galvanised, V2A, V4A

The "seal" is a sealant that is installed between the threaded anchor reinforcement and the threaded part of the transport anchor. This "seal" ensures that no rust can flow from the anchor's Reinforcing bars into the threaded part of the transport anchor.
The low-viscosity sealant, an epoxy resin, is poured onto the Reinforcing bar in a layer with a thickness of approx. 3 mm into the grease-free, cleaned thread of the threaded sleeve, whereby the low-viscosity resin flows into every crack, into the Compression, between the threaded sleeve and the Reinforcing bar. Once this resin has hardened after a few hours, it is ensured that can flow into the threaded part of the threaded transport anchor
.



The illustration shows a cutaway transport anchor with this seal.

Test: https://BGW- bohr.de/Pruefberichte_Zugversuche.htm

Angled fixing insert sealed – sleeve Galvanised

Item no.	Load level t	Type d x h	D mm	Leg length mm	PU piece	Weight kg/piece	Price €/piece
0304V	0,5	Rd12 x 80	16	90	200	0,085	
0308V	0,8	Rd14 x 100	20	95	200	0,140	
0312V	1,2	Rd16 x 120	21,5	100	100	0,220	
0316V	1,6	Rd18 x 140	24	120	50	0,320	
0320-130V	2,0	Rd20 x 130	27	140	50	0,395	
0320V	2,0	Rd20 x 150	27	140	50	0,425	
0324V	2,5	Rd24 x 150	32	160	25	0,580	

Sealed angled fixing insert – sleeve with V2A Stainless steel

Item no.	Load level t	Type d x h	D mm	Leg length mm	PU piece	Weight kg/piece	Price €/piece V2A
0304EV	0,5	Rd12 x 80	16	90	200	0,085	
0308EV	0,8	Rd14 x 100	20	95	200	0,140	
0312EV	1,2	Rd16 x 120	21,5	100	100	0,220	
0316EV	1,6	Rd18 x 140	24	120	50	0,320	
0320-130EV	2,0	Rd20 x 130	27	140	50	0,395	
0320EV	2,0	Rd20 x 150	27	140	50	0,425	
0324EV	2,5	Rd24 x 150	32	160	25	0,580	

Sealed angled fixing insert – sleeve made of Stainless steel V4A AISI 316

Item no.	Load level t	Type d x h	D mm	Leg length mm	PU piece	Weight kg/piece	Price €/piece V4A
0304EEV	0,5	Rd12 x 80	16	90	200	0,085	
0308EEV	0,8	Rd14 x 100	20	95	200	0,140	
0312EEV	1,2	Rd16 x 120	21,5	100	100	0,220	
0316EEV	1,6	Rd18 x 140	24	120	50	0,320	
0320-130EEV	2,0	Rd20 x 130	27	140	50	0,395	
0320EEV	2,0	Rd20 x 150	27	140	50	0,425	
0324EEV	2,5	Rd24 x 150	32	160	25	0,580	

Also available with M thread!



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- ripped foot anchor (RFA) M and Rd thread – Galvanised

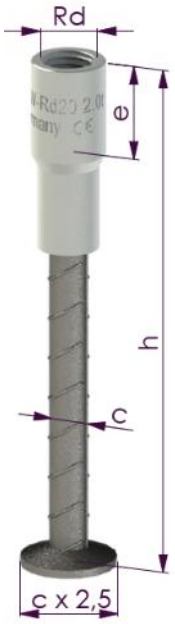
Threaded anchors can be very useful not only as Transport anchors, but also for temporarily fastening components, steel components such as supports, struts, signs, etc. BGW ripped foot anchors, in the same version as BGW straight bar anchors but with a forged foot, are particularly suitable for slim precast concrete elements and for installation in thin walls, such as in garages, transformer stations, shaft rings, etc. The sleeve is Galvanised and has an Rd thread. BGW- holding magnets type HM4 are recommended for fixing to steel formwork. To ensure that the anchor is correctly seated when installed, BGW retaining discs or BGW recessed bodies with markings must be used. Plastic sealing plugs or retaining discs are used to prevent concrete and dirt from entering the thread. A round thread (Rd) is cut into the electro-Galvanised or Stainless steel sleeve. Before installing the straight bar anchor in the precast concrete element, the thread should be visually inspected and greased. Round threads are particularly recommended as they are less susceptible to dirt and damage than other types of threads. The anchor and straight bar lengths can be modified to suit your specific installation, but please note that this may change the load level.

Installation instructions: https://www.bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf

EC configuration:https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW- Ribbed foot anchor_all load ratings.pdf

BGW- Ripped foot anchor – Galvanised sleeve

M thread		Rd thread		Load level t	Thread depth e mm	Bar Ø c mm	Height h mm	PU piece	Weight kg	Price €/piece
M	Item no.	Rd	Item no.							
12	0400M	12	0400	0,5	22	8	70	500	0,040	0,92
12	0402M	12	0402	0,5	22	8	100	400	0,050	0,96
12	0404M	12	0404	0,5	22	8	136	200	0,070	1,08
12	0406M	12	0406	0,5	22	8	174	200	0,080	1,11
12	0405M	12	0405	0,5	22	8	250	150	0,110	1,21
12	0407M	12	0407	0,5	22	8	295	100	0,130	1,27
14	0408M	14	0408	0,8	25	10	70	250	0,100	1,30
14	0409M	14	0409	0,8	25	10	105	100	0,120	1,27
14	0410M	14	0410	0,8	25	10	135	100	0,140	1,49
14	0413M	14	0413	0,8	25	10	155	100	0,180	1,53
14	0412M	14	0412	0,8	25	10	167	100	0,180	1,57
14	0414M	14	0414	0,8	25	10	220	100	0,190	1,66
16	0416M	16	0416	1,2	27	10	70	200	0,100	1,33
16	0413-1M	16	0413-1	1,2	27	10	115	150	0,120	1,42
16	0471M	16	0419	1,2	27	10	130	150	0,140	1,52
16	0419M	16	0471	1,2	27	10	140	100	0,140	1,55
16	0418M	16	0418	1,2	27	10	150	100	0,150	1,57
16	0420M	16	0420	1,2	27	10	195	100	0,180	1,66
16	0422M	16	0422	1,2	27	10	260	50	0,220	1,82
18	0424M	18	0424	1,6	34	12	85	50	0,180	1,79
18	0423M	18	0423	1,6	34	12	150	50	0,260	2,06
18	0426M	18	0426	1,6	34	12	170	50	0,280	2,12
18	0428M	18	0428	1,6	34	12	205	50	0,320	2,24
18	0430M	18	0430	1,6	34	12	275	50	0,410	2,51
20	0432M	20	0432	2,0	35	14	90	50	0,220	2,10
20	0437M	20	0437	2,0	35	14	170	50	0,320	2,40
20	0439M	20	0439	2,0	35	14	180	50	0,330	2,43
20	0434M	20	0434	2,0	35	14	190	50	0,340	2,48
20	0436M	20	0436	2,0	35	14	235	50	0,400	2,64
20	0438-1M	20	0438	2,0	35	14	300	25	0,480	2,91
24	0440M	24	0440	2,5	43	16	105	50	0,320	2,43
24	0441M	24	0441	2,5	43	16	115	50	0,340	2,49
24	0443M	24	0442	2,5	43	16	210	25	0,490	3,00
24	0444M	24	0444	2,5	43	16	260	25	0,560	3,27
24	0445M	24	0445	2,5	43	16	275	25	0,580	3,30
24	0446M	24	0446	2,5	43	16	335	25	0,680	3,70
24	0447-1M	24	0447	2,5	43	16	380	10	0,750	3,94
30	0448M	30	0448	4,0	56	20	125	10	0,550	4,29
30	0449M	30	0449	4,0	56	20	150	10	0,600	4,40
30	0450M	30	0450	4,0	56	20	270	10	0,910	4,82
30	0452M	30	0452	4,0	56	20	390	10	1,210	5,76
30	0454M	30	0454	4,0	56	20	510	10	1,500	6,66
36	0455M	36	0455	6,3	69	25	230	10	1,240	8,60
36	0456M	36	0456	6,3	69	25	330	10	1,840	9,93
36	0457M	36	0457	6,3	69	25	440	10	2,300	11,01
36	0458M	36	0458	6,3	69	25	490	10	2,460	11,87
36	0460M	36	0460	6,3	69	25	640	10	3,030	13,74
42	0462M	42	0462	8,0	80	28	450	10	3,110	15,85
42	0464M	42	0464	8,0	80	28	590	10	3,790	16,87
42	0466M	42	0466	8,0	80	28	770	10	4,670	19,43
52	0468M	52	0468	12,5	90	32	730	10	4,910	25,82
52	0470M	52	0470	12,5	90	32	960	10	6,030	32,72



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- ripped foot anchor (RFA) M and Rd Thread e – V2A and V4A

EC configuration:https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW- Ribbed foot anchors_all load levels.pdf

BGW- Ripped foot anchor – Sleeve with Stainless steel V2A, V4 A

M thread			Rd thread			Load level t	Thread depth e mm	Bar Ø c mm	Height h mm	PU piece	Weight kg	Price €/piece V2A	Price €/piece V4A
M	Item no. V2A	Item no. V4A	Rd	Item no. V2A	Item no. V4A								
12	0400ME	0400MEE	12	0400E	0400EE	0,5	22	8	70	500	0,040	3,23	3,75
12	0402ME	0402MEE	12	0402E	0402EE	0,5	22	8	100	400	0,050	3,26	3,78
12	0404-1ME	0404MEE	12	0404E	0404EE	0,5	22	8	136	200	0,070	3,27	3,79
12	0406ME	0406MEE	12	0406E	0406EE	0,5	22	8	174	200	0,080	3,3	3,83
12	0405ME	0405MEE	12	0405E	0405EE	0,5	22	8	250	150	0,110	3,36	3,9
12	0407ME	0407MEE	12	0407E	0407EE	0,5	22	8	295	100	0,130	3,39	3,94
14	0408ME	0408MEE	14	0408E	0408EE	0,8	25	10	70	250	0,100	3,89	4,54
14	0409ME	0409MEE	14	0409E	0409EE	0,8	25	10	105	100	0,120	3,9	4,55
14	0410ME	0410MEE	14	0410E	0410EE	0,8	25	10	135	100	0,140	3,92	4,57
14	0412ME	0412MEE	14	0412E	0412EE	0,8	25	10	167	100	0,180	0,65	0,65
14	0414ME	0414MEE	14	0414E	0414EE	0,8	25	10	220	100	0,190	3,95	4,61
16	0416ME	0416MEE	16	0416E	0416EE	1,2	27	10	70	100	0,100	3,99	4,66
16	0413ME	0413MEE	16	0413E	0413EE	1,2	27	10	115	200	0,120	4,92	5,77
16	0471ME	0471MEE	16	0419E	0419EE	1,2	27	10	130	150	0,140	4,94	5,8
16	0419ME	0419MEE	16	0471E	0471EE	1,2	27	10	140	150	0,140	4,95	5,81
16	0418ME	0418MEE	16	0418E	0418EE	1,2	27	10	150	100	0,150	4,96	5,82
16	0420ME	0420MEE	16	0420E	0420EE	1,2	27	10	195	100	0,180	4,97	5,83
16	0422ME	0422MEE	16	0422E	0422EE	1,2	27	10	260	100	0,220	5	5,87
18	0424ME	0424MEE	18	0424E	0424EE	1,6	34	10	85	50	0,180	5,1	5,99
18	0423ME	0423MEE	18	0423E	0423EE	1,6	34	12	150	50	0,260	7,17	8,45
18	0426ME	0426MEE	18	0426E	0426EE	1,6	34	12	170	50	0,280	7,26	8,56
18	0428ME	0428MEE	18	0428E	0428EE	1,6	34	12	205	50	0,320	7,3	8,61
18	0430ME	0430MEE	18	0430E	0430EE	1,6	34	12	275	50	0,410	7,32	8,63
20	0432ME	0432MEE	20	0432E	0432EE	2,0	35	12	90	50	0,220	7,48	8,83
20	0437ME	0437MEE	20	0437E	0437EE	2,0	35	14	170	50	0,320	8,42	9,95
20	0439ME	0439MEE	20	0439E	0439EE	2,0	35	14	180	50	0,330	8,6	10,17
20	0434ME	0434MEE	20	0434E	0434EE	2,0	35	14	190	50	0,340	8,63	10,21
20	0436ME	0436MEE	20	0436E	0436EE	2,0	35	14	235	50	0,400	8,65	10,23
20	0438ME	0438MEE	20	0438E	0438EE	2,0	35	14	300	50	0,480	8,72	10,31
24	0440ME	0440MEE	24	0440E	0440EE	2,5	43	14	105	25	0,320	9	10,65
24	0441ME	0441MEE	24	0441E	0441EE	2,5	43	16	115	50	0,340	10,21	12,1
24	0442-1ME	0442MEE	24	0442E	0442EE	2,5	43	16	210	50	0,490	10,23	12,13
24	0444ME	0444MEE	24	0444E	0444EE	2,5	43	16	260	25	0,560	10,36	12,28
24	0445ME	0445MEE	24	0445E	0445EE	2,5	43	16	275	25	0,580	10,47	12,41
24	0446ME	0446MEE	24	0446E	0446EE	2,5	43	16	335	25	0,680	10,55	12,51
24	0447ME	0447MEE	24	0447E	0447EE	2,5	43	16	380	25	0,750	10,88	12,91
30	0448ME	0448MEE	30	0448E	0448EE	4,0	56	16	125	10	0,550	10,99	13,04
30	0449ME	0449MEE	30	0449E	0449EE	4,0	56	20	150	10	0,600	23,6	28,12
30	0450ME	0450MEE	30	0450E	0450EE	4,0	56	20	270	10	0,910	23,71	28,25
30	0452ME	0452MEE	30	0452E	0452EE	4,0	56	20	390	10	1,210	23,86	28,43
30	0454ME	0454MEE	30	0454E	0454EE	4,0	56	20	510	10	1,500	24,01	28,61
36	0455ME	0455MEE	36	0455E	0455EE	6,3	69	20	230	10	1,240	24,17	28,8
36	0456ME	0456MEE	36	0456E	0456EE	6,3	69	25	330	10	1,840	34,09	40,68
36	0457ME	0457MEE	36	0457E	0457EE	6,3	69	25	440	10	2,300	34,6	41,29
36	0458ME	0458MEE	36	0458E	0458EE	6,3	69	25	490	10	2,460	35,2	42,01
36	0460ME	0460MEE	36	0460E	0460EE	6,3	69	25	640	10	3,030	35,41	42,27
42	0462ME	0462MEE	42	0462E	0462EE	8,0	80	25	450	10	3,110	36,13	43,13
42	0464ME	0464MEE	42	0464E	0464EE	8,0	80	28	590	10	3,790	54,78	65,48
42	0466ME	0466MEE	42	0466E	0466EE	8,0	80	28	770	10	4,670	55,8	66,7
52	0468ME	0468MEE	52	0468E	0468EE	12,5	90	28	730	10	4,910	58,36	69,77
52	0470ME	0470MEE	52	0470E	0470EE	12,5	90	32	960	10	6,030	61,63	73,66

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- ripped foot anchor (RFA) sealed , M and Rd thread – Galvanised

The "seal" is a sealant that is installed between the threaded anchor reinforcement and the threaded part of the transport anchor. This "seal" ensures that no rust can flow from the anchor's Reinforcing bar into the threaded part of the transport anchor.
The low-viscosity sealant, an epoxy resin, is poured onto the Reinforcing bar in a layer with a thickness of approx. 3 mm into the grease-free, cleaned thread of the threaded sleeve, whereby the low-viscosity resin flows into every crack, into the Compression, between the threaded sleeve and the Reinforcing bar. Once this resin has hardened after a few hours, it is ensured that no more rust can flow from the Reinforcing bar of the anchor into the threaded part of the threaded transport anchor



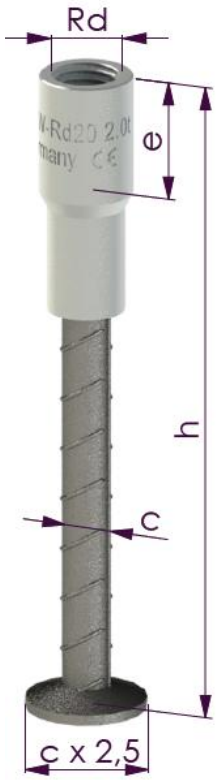
.

Installation instructions: https://www.bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf

The illustration shows a cutaway transport anchor with this sealant.

BGW- Ripped foot anchor sealed – Galvanised sleeve

M thread		Rd thread		Load level	Thread depth	Bar Ø	Height h	PU	Weight	Price
M	Item no.	Rd	Item no.	t	e mm	c mm	mm	piece	kg	€/piece
12	0400MV	12	0400V	0,5	22	8	70	500	0,040	1,57
12	0402MV	12	0402V	0,5	22	8	100	400	0,050	1,61
12	0404MV	12	0404V	0,5	22	8	136	200	0,070	1,73
12	0406MV	12	0406V	0,5	22	8	174	200	0,080	1,76
12	0405MV	12	0405V	0,5	22	8	250	150	0,110	1,86
12	0407MV	12	0407V	0,5	22	8	295	100	0,130	1,92
14	0408MV	14	0408V	0,8	25	10	70	250	0,100	1,95
14	0409MV	14	0409V	0,8	25	10	105	100	0,120	1,92
14	0410MV	14	0410V	0,8	25	10	135	100	0,140	2,14
14	0413MV	14	0413V	0,8	25	10	155	100	0,180	2,18
14	0412MV	14	0412V	0,8	25	10	167	100	0,180	2,22
14	0414MV	14	0414V	0,8	25	10	220	100	0,190	2,31
16	0416MV	16	0416V	1,2	27	10	70	200	0,100	1,98
16	0413-1MV	16	0413-1V	1,2	27	10	115	150	0,120	2,07
16	0419MV	16	0419V	1,2	27	10	130	150	0,140	2,17
16	0471MV	16	0471V	1,2	27	10	140	100	0,140	2,2
16	0418MV	16	0418V	1,2	27	10	150	100	0,150	2,22
16	0420MV	16	0420V	1,2	27	10	195	100	0,180	2,31
16	0422MV	16	0422V	1,2	27	10	260	50	0,220	2,47
18	0424MV	18	0424V	1,6	34	12	85	50	0,180	2,54
18	0423MV	18	0423V	1,6	34	12	150	50	0,260	2,81
18	0426MV	18	0426V	1,6	34	12	170	50	0,280	2,87
18	0428MV	18	0428V	1,6	34	12	205	50	0,320	2,99
18	0430MV	18	0430V	1,6	34	12	275	50	0,410	3,26
20	0432MV	20	0432V	2,0	35	14	90	100	0,220	2,85
20	0437MV	20	0437V	2,0	35	14	170	50	0,320	3,15
20	0439MV	20	0439V	2,0	35	14	180	50	0,330	3,18
20	0434MV	20	0434V	2,0	35	14	190	50	0,340	3,23
20	0436MV	20	0436V	2,0	35	14	235	50	0,400	3,39
20	0438MV	20	0438V	2,0	35	14	300	25	0,480	3,66
24	0440MV	24	0440V	2,5	43	16	105	50	0,320	3,18
24	0441MV	24	0441V	2,5	43	16	115	50	0,340	3,24
24	0442MV	24	0442V	2,5	43	16	210	25	0,490	3,75
24	0444MV	24	0444V	2,5	43	16	260	25	0,560	4,02
24	0445MV	24	0445V	2,5	43	16	275	25	0,580	4,05
24	0446MV	24	0446V	2,5	43	16	335	25	0,680	4,45
24	0447MV	24	0447V	2,5	43	16	380	10	0,750	4,69
30	0448MV	30	0448V	4,0	56	20	125	10	0,550	5,29
30	0449MV	30	0449V	4,0	56	20	150	10	0,600	5,4
30	0450MV	30	0450V	4,0	56	20	270	10	0,910	5,82
30	0452MV	30	0452V	4,0	56	20	390	10	1,210	6,76
30	0454MV	30	0454V	4,0	56	20	510	10	1,500	7,66
36	0455MV	36	0455V	6,3	69	25	230	10	1,240	9,73
36	0456MV	36	0456V	6,3	69	25	330	10	1,840	11,06
36	0457MV	36	0457V	6,3	69	25	440	10	2,300	12,14
36	0458MV	36	0458V	6,3	69	25	490	10	2,460	13
36	0460MV	36	0460V	6,3	69	25	640	10	3,030	14,87
42	0462MV	42	0462V	8,0	80	28	450	10	3,110	17,15
42	0464MV	42	0464V	8,0	80	28	590	10	3,790	18,17
42	0466MV	42	0466V	8,0	80	28	770	10	4,670	20,73
52	0468MV	52	0468V	12,5	90	32	730	10	4,910	27,32
52	0470MV	52	0470V	12,5	90	32	960	10	6,030	34,22



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- ripped foot anchor (RFA) M and Rd thread – V2A, V4A

The "seal" is a sealant that is installed between the threaded anchor reinforcement and the threaded part of the transport anchor. This "seal" ensures that no rust can flow from the anchor's Reinforcing bar into the threaded part of the transport anchor.
The low-viscosity sealant, an epoxy resin, is poured onto the Reinforcing bar in a layer with a thickness of approx. 3 mm into the grease-free, cleaned thread of the threaded sleeve, whereby the low-viscosity resin flows into every crack, into the Compression, between the threaded sleeve and the Reinforcing bar. Once this resin has hardened after a few hours, it is ensured that from the Reinforcing bar of the anchor no more rust can enter the threaded part of the threaded transport anchor
.



The illustration shows a cutaway transport anchor with this sealant.

Installation instructions: https://www.bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf

BGW- Ripped foot anchor sealed – Sleeve with Stainless steel V2A, V4A

M thread			Rd thread			Load level t	Thread depth e mm	Rod Ø c mm	Height h mm	PU piece	Weight kg	Price €/piece V2A	Price €/piece V4A
M	Item no. V2A	Item no. V4A	Rd	Item no. V2A	Item no. V4A								
12	0400MEV	0400MEEV	12	0400EV	0400EEV	0,5	22	8	70	500	0,040	3,23	3,75
12	0402MEV	0402MEEV	12	0402EV	0402EEV	0,5	22	8	100	400	0,050	3,26	3,78
12	0404MEV	0404MEEV	12	0404EV	0404EEV	0,5	22	8	136	200	0,070	3,27	3,79
12	0406MEV	0406MEEV	12	0406EV	0406EEV	0,5	22	8	174	200	0,080	3,3	3,83
12	0405MEV	0405MEEV	12	0405EV	0405EEV	0,5	22	8	250	150	0,110	3,36	3,9
12	0407MEV	0407MEEV	12	0407EV	0407EEV	0,5	22	8	295	100	0,130	3,39	3,94
14	0408MEV	0408MEEV	14	0408EV	0408EEV	0,8	25	10	70	250	0,100	3,89	4,54
14	0409MEV	0409MEEV	14	0409EV	0409EEV	0,8	25	10	105	100	0,120	3,9	4,55
14	0410MEV	0410MEEV	14	0410EV	0410EEV	0,8	25	10	135	100	0,140	3,92	4,57
14	0412MEV	0412MEEV	14	0412EV	0412EEV	0,8	25	10	167	100	0,180	3,95	4,61
14	0414MEV	0414MEEV	14	0414EV	0414EEV	0,8	25	10	220	100	0,190	3,99	4,66
16	0416MEV	0416MEEV	16	0416EV	0416EEV	1,2	27	10	70	100	0,100	4,92	5,77
16	0413MEV	0413MEEV	16	0413EV	0413EEV	1,2	27	10	115	200	0,120	4,94	5,8
16	0419MEV	0419MEEV	16	0419EV	0419EEV	1,2	27	10	130	150	0,140	4,95	5,81
16	0471MEV	0471MEEV	16	0471EV	0471EEV	1,2	27	10	140	150	0,140	4,96	5,82
16	0418MEV	0418MEEV	16	0418EV	0418EEV	1,2	27	10	150	100	0,150	4,97	5,83
16	0420MEV	0420MEEV	16	0420EV	0420EEV	1,2	27	10	195	100	0,180	5	5,87
16	0422MEV	0422MEEV	16	0422EV	0422EEV	1,2	27	10	260	100	0,220	5,1	5,99
18	0424MEV	0424MEEV	18	0424EV	0424EEV	1,6	34	10	85	50	0,180	7,17	8,45
18	0423MEV	0423MEEV	18	0423EV	0423EEV	1,6	34	12	150	50	0,260	7,26	8,56
18	0426MEV	0426MEEV	18	0426EV	0426EEV	1,6	34	12	170	50	0,280	7,3	8,61
18	0428MEV	0428MEEV	18	0428EV	0428EEV	1,6	34	12	205	50	0,320	7,32	8,63
18	0430MEV	0430MEEV	18	0430EV	0430EEV	1,6	34	12	275	50	0,410	7,48	8,83
20	0432MEV	0432MEEV	20	0432EV	0432EEV	2,0	35	12	90	50	0,220	8,42	9,95
20	0437MEV	0437MEEV	20	0437EV	0437EEV	2,0	35	14	170	100	0,320	8,6	10,17
20	0439MEV	0439MEEV	20	0439EV	0439EEV	2,0	35	14	180	50	0,330	8,63	10,21
20	0434MEV	0434MEEV	20	0434EV	0434EEV	2,0	35	14	190	50	0,340	8,65	10,23
20	0436MEV	0436MEEV	20	0436EV	0436EEV	2,0	35	14	235	50	0,400	8,72	10,31
20	0438MEV	0438MEEV	20	0438EV	0438EEV	2,0	35	14	300	50	0,480	9	10,65
24	0440MEV	0440MEEV	24	0440EV	0440EEV	2,5	43	14	105	25	0,320	10,21	12,1
24	0441MEV	0441MEEV	24	0441EV	0441EEV	2,5	43	16	115	50	0,340	10,23	12,13
24	0442MEV	0442MEEV	24	0442EV	0442EEV	2,5	43	16	210	50	0,490	10,36	12,28
24	0444MEV	0444MEEV	24	0444EV	0444EEV	2,5	43	16	260	25	0,560	10,47	12,41
24	0445MEV	0445MEEV	24	0445EV	0445EEV	2,5	43	16	275	25	0,580	10,55	12,51
24	0446MEV	0446MEEV	24	0446EV	0446EEV	2,5	43	16	335	25	0,680	10,88	12,91
24	0447MEV	0447MEEV	24	0447EV	0447EEV	2,5	43	16	380	25	0,750	10,99	13,04
30	0448MEV	0448MEEV	30	0448EV	0448EEV	4,0	56	16	125	10	0,550	23,6	28,12
30	0449MEV	0449MEEV	30	0449EV	0449EEV	4,0	56	20	150	10	0,600	23,71	28,25
30	0450MEV	0450MEEV	30	0450EV	0450EEV	4,0	56	20	270	10	0,910	23,86	28,43
30	0452MEV	0452MEEV	30	0452EV	0452EEV	4,0	56	20	390	10	1,210	24,01	28,61
30	0454MEV	0454MEEV	30	0454EV	0454EEV	4,0	56	20	510	10	1,500	24,17	28,8
36	0455MEV	0455MEEV	36	0455EV	0455EEV	6,3	69	20	230	10	1,240	34,09	40,68
36	0456MEV	0456MEEV	36	0456EV	0456EEV	6,3	69	25	330	10	1,840	34,6	41,29
36	0457MEV	0457MEEV	36	0457EV	0457EEV	6,3	69	25	440	10	2,300	35,2	42,01
36	0458MEV	0458MEEV	36	0458EV	0458EEV	6,3	69	25	490	10	2,460	35,41	42,27
36	0460MEV	0460MEEV	36	0460EV	0460EEV	6,3	69	25	640	10	3,030	36,13	43,13
42	0462MEV	0462MEEV	42	0462EV	0462EEV	8,0	80	25	450	10	3,110	54,78	65,48
42	0464MEV	0464MEEV	42	0464EV	0464EEV	8,0	80	28	590	10	3,790	55,8	66,7
42	0466MEV	0466MEEV	42	0466EV	0466EEV	8,0	80	28	770	10	4,670	58,36	69,77
52	0468MEV	0468MEEV	52	0468EV	0468EEV	12,5	90	28	730	10	4,910	61,63	73,66
52	0470MEV	0470MEEV	52	0470EV	0470EEV	12,5	90	32	960	10	6,030	68,53	81,94

BGW- extension for threaded transport anchors

For extending BGW threaded transport anchors when they need to be routed through ceilings in transformer stations or other buildings, for example. The length can be adjusted as required. A thread is cut into both sides of the threaded sleeve, into which the desired threaded rod with the required total length of the extension is pressed.

Item no.	Load level t	Thread Rd	Length	PU piece	Weight kg	Price €/piece
00824		24				
00830		30				
00836		36				
00842		42				
00848		48				
00852		52				
00856		56				
00860		60				





BGW- Threaded socket for threaded transport anchors

BGW- Threaded socket for threaded transport anchors for screwing in and reducing the internal threads. Threaded sockets can be used to reduce the internal threads of large transport anchors when they are no longer needed. The thread length of the screw-in sleeve corresponds approximately to the screw-in depth of the Internal thread of the Transport anchors. The Internal thread of the screw-in sleeve is specified by the customer.

Item no.	Screw-in screw-in depth	PU piece	Weight kg	Price €/piece
0081				



from Thread	to thread
Rd24	M18 – M10
Rd30	M24 – M10
Rd36	M30 – M10
Rd42	M36 – M10
Rd48	M36 – M10
Rd52	M45 – M10



BGW- segment anchors - loaded threaded anchors

BGW- Segment/rod/ripped foot anchor – reinforced = larger steel cross-section, threaded sleeve with larger steel cross-section, Galvanised or made of Stainless steel.
EC configuration:https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW- Segment anchor_all load levels.pdf
BGW- Segment anchors are particularly suitable for slim precast concrete elements and for installation in thin walls, such as in garages, transformer stations, and shaft rings. Version as BGW- ripped foot anchor, but with thicker concrete ribbed steel and a thicker sleeve. This allows the segment anchor to bear twice the load of the straight bar anchor and ripped foot anchor with almost the same dimensions. The rope loops must not be used for attachment to segment anchor type Transport anchors.

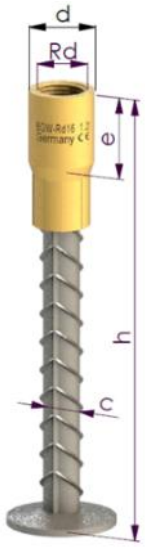
BGW segment anchors are part of a transport system and consist of:

- BGW segment anchor, which can be either a straight bar anchor, ripped foot anchor, or wavy tail anchor.
- BGW segment anchor lifter or lifter U1, U2 or swivel.
- BGW- Retaining discs with holding magnets type HM4. If lifters U1, U2 or swivel hooks are used, retaining discs that fit the spacers/pressure plates for threaded anchors must be installed to hold the anchors in place during concreting. The safety instructions for the U1 and U2 universal lifters must be read and understood beforehand. Before attaching U1 or U2, the recess created in the component must be closed with the appropriate spacer or pressure plate that closes the recess.
- BGW- Sealing plug



BGW adhesive magnets type
HM4-D are recommended for fixing to steel formwork. The geometry of the BGW segment anchor lifter supports it on the flanks of the recesses. This relieves the threaded pins when pulling at an angle and enables greater transport safety. Caution:
Only a lifting device with the appropriate load capacity may be used!

BGW- Segment anchor – Galvanised sleeve



Item no.	Load level	Thread	Thread depth	Height	Ø BST	Ø Sleeve	PU	Weight	Price
	t	Rd	e mm	h mm	c mm	d mm	piece	kg	€/piece
0400-1	1,3	Rd12 x 1,75	20	70	10	19	200	0,086	1,80
0404-1	1,3	Rd12 x 1,75	20	130	10	19	150	0,124	2,00
0422-3	2,5	Rd16 x 2	20	115	14	24	50	0,245	2,30
0422-2	2,5	Rd16 x 2	20	140	14	24	50	0,283	2,48
0422-1	2,5	Rd16 x 2	20	190	14	24	50	0,33	2,75
0436-2	4	Rd20 x 2,5	26	110	16	27	50	0,329	5,20
0436-1	4	Rd20 x 2,5	26	255	16	27	25	0,664	5,60
0446-2	5	Rd24 x 3	30	140	20	35	25	0,664	6,30
0446-1	5	Rd24 x 3	30	325	20	35	1	1,153	6,90
0446-3	7,5	Rd30 x 3,5	36	185	25	42,4	1	1,184	11,00
0452-1	7,5	Rd30 x 3,5	36	400	25	42,4	1	2,108	12,70
0458-1	10	Rd36 x 4	50	475	28	48	1	3,05	24,10
0464-1	12,5	Rd42 x 4,5	60	550	32	54	1	4,3	41,35
0467-1	15	Rd52 x 5	78	575	34	70	1	6,22	45,40

BGW- Segment straight bar anchor – Galvanised sleeve



Item no.	Load level	Thread	Thread depth	Height	Ø BST mm	Ø Sleeve	PU	Weight	Price
	t	Rd	e mm	h mm	c mm	d mm	piece	kg	€/piece
0100-1	1,3	Rd12 x 1,75	20	300	10	19	50	0,227	2,00
0100-5	2,5	Rd16 x 2	20	400	14	24	25	0,558	3,90
0100-10	4	Rd20 x 2,5	26	480	16	27	10	0,877	5,90
0100-15	5	Rd24 x 3	30	540	20	35	10	1,584	7,95
0100-20	7,5	Rd30 x 3,5	36	700	25	42,4	10	3,047	13,85
0100-25	10	Rd36 x 4	50	800	28	48	10	4,403	25,65
0100-30	12,5	Rd42 x 4,5	60	920	32	54	10	6,572	39,35
0100-35	15	Rd52 x 5	78	1100	34	70	10	9,871	49,50

BGW- segmented flat steel anchors, loaded flat steel anchors (SFSA)

Rd and M threads, Galvanised, V2A, V4A

Higher loads with small thread diameters
Associated retaining discs and magnets Lifting device U1 / U2 / in combination with the appropriate pressure plate / stop swivel

Segmented flat steel anchor – threaded sleeve Welded to flat steel, Galvanised

Rd thread	M thread	Load	Dimensions	Flat steel	e	D	PU	Weight	Price €/piece
Item no.	Item no.	Level t	Type d x h	mm	mm	mm	piece	approx. kg/100 pieces	Galvanised
0100-2	0100-2M	1,3	Rd/M12 x 46	50 x 50 x 6	22	19	250	6,5	6,20 €
0100-3	0100-3M	2,5	Rd/M16 x 54	80 x 60 x 6	27	24	250	9,0	6,60 €
0100-4	0100-4M	4,0	Rd/M20 x 72	100 x 80 x 8	35	27	150	25,0	9,55 €
0100-6	0100-6M	5,0	Rd/M24 x 84	130 x 100 x 8	43	35	100	44,0	9,90 €
0100-7	0100-7M	7,5	Rd/M30 x 98	130 x 130 x 10	56	42,5	50	75,0	15,95 €

Segmented flat steel anchor - Stainless steel Threaded sleeve Welded to flat steel, made entirely of V2A AISI 304 Stainless steel

Rd thread	M thread	Load	Dimensions	Flat steel	e	D	PU	Weight	Price €/piece
Item no.	Item no.	Level t	Type d x h	mm	mm	mm	piece	approx. kg/100 pieces	V2A
0100-2E	0100-2ME	1,3	Rd/M12 x 46	50 x 50 x 6	22	19	250	6,5	24,43 €
0100-3E	0100-3ME	2,5	Rd/M16 x 54	80 x 60 x 6	27	24	250	9,0	30,89 €
0100-4E	0100-4ME	4,0	Rd/M20 x 72	100 x 80 x 8	35	27	150	25,0	51,47 €
0100-6E	0100-6ME	5,0	Rd/M24 x 84	130 x 100 x 8	43	35	100	44,0	52,37 €
0100-7E	0100-7ME	7,5	Rd/M30 x 98	130 x 130 x 10	56	42,5	50	75,0	84,85 €

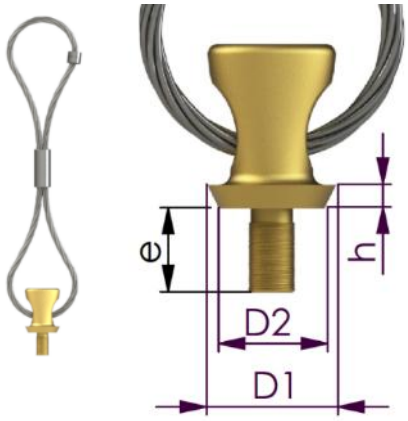
Segmented flat steel anchor - Stainless steel Threaded sleeve and flat steel Welded together, made entirely of V4A AISI 316 Stainless steel

Rd thread	M thread	Load	Dimensions	Flat steel	e	D	PU	Weight	Price €/piece
Item no.	Item no.	Level t	Type d x h	mm	mm	mm	piece	approx. kg/100 pieces	V4A
0100-2EE	0100-2MEE	1,3	Rd/M12 x 46	50 x 50 x 6	22	19	250	6,5	29,26 €
0100-3EE	0100-3MEE	2,5	Rd/M16 x 54	80 x 60 x 6	27	24	250	9,0	37,03 €
0100-4EE	0100-4MEE	4,0	Rd/M20 x 72	100 x 80 x 8	35	27	150	25,0	61,69 €
0100-6EE	0100-6MEE	5,0	Rd/M24 x 84	130 x 100 x 8	43	35	100	44,0	62,77 €
0100-7EE	0100-7MEE	7,5	Rd/M30 x 98	130 x 130 x 10	56	42,5	50	75,0	101,92 €

BGW- segment anchors - loaded threaded anchors – lifter for threaded anchors

Suitable for reinforced segment anchors

The threaded part of the BGW- segment anchor lifter is made of high-quality steel. The 8-shaped The pressed wire rope is Galvanised. The welded pressure plate is precisely matched to the recessed body . The lifter is marked with steel ring.



BGW- Segment anchor lifter

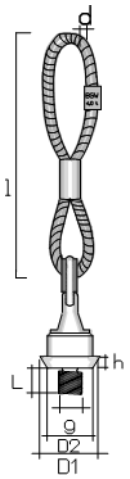
EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen/EG-Konf_BGW- Seilschlaufe_Goliath-8-Verpressung_alle_Laststufen.pdf

Item no.	Thread Ø * e	Load level t	Rope Ø mm	Load limit / t at 90°	Thread-length Thread/mm	ØD1 mm	ØD2 mm	h mm	Total length L mm	Price €/unit
D-0650G8	Rd12 x 20	1,3	8	0,65	20	40	30	10	335	88,00
D-0654G8	Rd16 x 20	2,5	12	1,25	20	40	30	10	385	98,00
D-0658G8	Rd20 x 26	4,0	16	2,00	26	55	45	10	470	140,00
D-0660G8	Rd24 x 30	5,0	16	2,50	30	55	45	10	550	150,00
D-0662G8	Rd30 x 36	7,5	20	3,75	36	70	60	10	590	245,00
D-0664G8	Rd36 x 50	10,0	22	5,00	50	70	60	10	780	308,00
D-0666G8	Rd42 x 60	12,5	26	6,25	60	95	85	10	860	322,00
D-0668G8	Rd52 x 60	15,0	26	7,50	60	95	85	10	1080	345,00

BGW- anchor swivel with swivel joint, thimble and cable for segment anchors

Precisely fits the corresponding magnet or steel recessed body for support on concrete.
Marked with steel ring

Item no.	Thread M or Rd	Load limit t		g x l mm	Rope Ø d mm	ØD1 mm	ØD2 mm	h mm	Total length L mm	Price €/unit
		90°	0							
D-0602G8	12	0,50	1,00	12 x 20	8	36	30	10	335	140,00
D-0606G8	16	1,25	2,50	16 x 20	12	36	30	10	385	140,00
D-0610G8	20	2,00	4,00	20 x 26	16	49,5	45	10	470	200,00
D-0612G8	24	3,15	6,30	24 x 30	16	57	45	10	550	215,00
D-0614G8	30	5,30	10,60	30 x 36	16	66	60	10	590	350,00
D-0616G8	36	8,00	11,80	36 x 50	22	80	60	10	780	440,00
D-0618G8	42	10,00	15,00	42 x 60	26	80	85	10	860	460,00
D-0620G8	52	10,00	15,00	52 x 60	28	80	85	10	1080	510,00

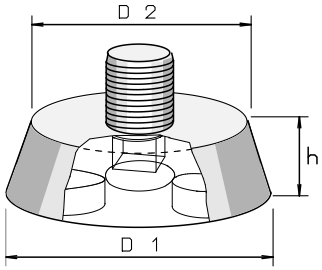


BGW- System accessories for the BGW- segment anchor lifter

BGW- holding magnet type HM4-D

BGW- holding magnets type HM4-D Suitable for DEHA perfect head with replaceable Threaded pin (and retaining ring/Seger ring):

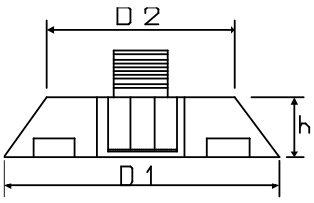
Item no.	for M or Rd Thread	Adhesive force kg	D1 mm	D2 mm	Height h mm	Price €/piece
HM4-D-30/10M12	12	50	40	30	10	65,90
HM4-D-30/10M16	16	50	40	30	10	65,90
HM4-D-45/10M20	20	100	55	45	10	76,13
HM4-D-45/10M24	24	100	55	45	10	76,13



with internal hexagon and welded Threaded pin: (a 10 mm hex key is used for this)

Item no.	for M or Rd Thread	Adhesive force kg	D1 mm	D2 mm	Height h mm	Price €/piece
HM4-D-30/10M12-1	12	50	40	30	10	65,90
HM4-D-30/10M16-1	16	50	40	30	10	65,90
HM4-D-45/10M20-1	20	100	55	45	10	76,13
HM4-D-45/10M24-1	24	100	55	45	10	76,13
HM4-D-60/10M30-1	30	120	70	60	10	110,18
HM4-D-60/10M36	36	120	70	60	10	110,18
HM4-D-85/10M42	42	120	95	85	10	150,00
HM4-D-85/10M52	52	120	95	85	10	150,00





BGW- Data cut-out body - marking stamp for segment anchors (DASKS)

Installation on the segment threaded anchor:

Protect the data recess body with a sufficient amount of release agent.
Screw onto the corresponding threaded segment anchor together with the centering screw. During stripping, unscrew the centering screw and remove the data recess body. Reusable.

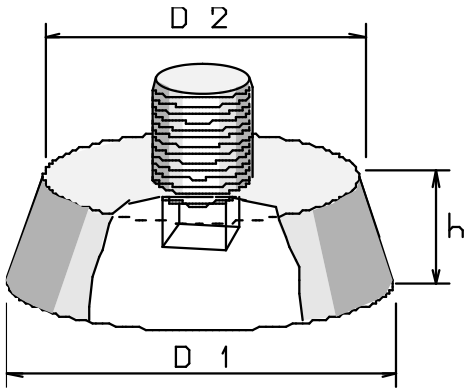
Item no.	Centering screw	Type	Load level	Ø D1	Ø D2	Height	PU	Price €/piece
0900-12KS	900-12-Z	Rd12	1,3t	40	30	10	10	6,10
900-16KS	900-16-Z	Rd16	2,5t	40	30	10	10	6,10
900-20KS	900-20-Z	Rd20	4,0t	55	45	10	10	7,50
900-24KS	900-24-Z	Rd24	5,0t	55	45	10	10	7,50
900-24KS	900-30-Z	Rd30	7,5t	70	60	10	10	11,50
900-30KS	900-36-Z	Rd36	10,0t	70	60	10	10	11,50
900-42KS	900-42-Z	Rd42	12,5t	95	85	10	10	18,70
900-52KS	900-52-Z	Rd52	15,0t	95	85	10	10	18,70



BGW- steel retaining washers without magnets

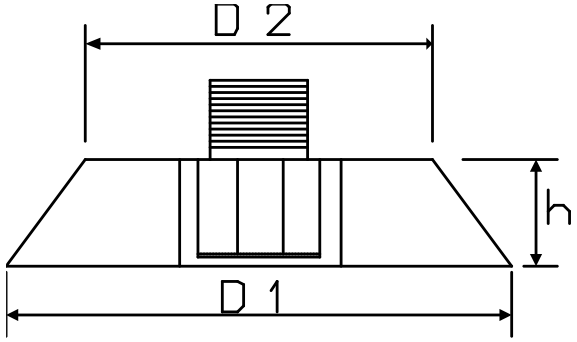
with replaceable Threaded pin (and retaining ring/Seger ring):

Item no.	for M or Rd Thread	D1 mm	D2 mm	Height h mm	Price €/piece
HM4-DS-30/10M12	12	40	30	10	16,00
HM4-DS-30/10M16	16	40	30	10	19,00
HM4-DS-45/10M20	20	55	45	10	28,00
HM4-DS-45/10M24	24	55	45	10	30,00
HM4-DS-60/10M30	30	70	60	10	35,00



with internal hexagon and welded Threaded pin:

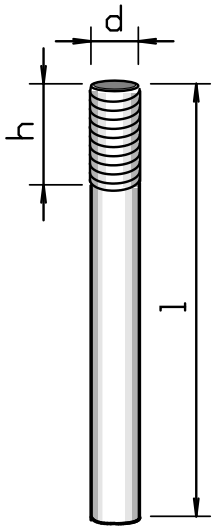
Item no.	for M od. Rd Thread	D1 mm	D2 mm	Height h mm	Price €/piece
HM4-DS-30/10M12-1	12	40	30	10	16,00
HM4-DS-30/10M16-1	16	40	30	10	19,00
HM4-DS-45/10M20-1	20	55	45	10	28,00
HM4-DS-45/10M24-1	24	55	45	10	30,00
HM4-DS-60/10M30-1	30	70	60	10	35,00
HM4-DS-60/10M36	36	70	60	10	45,00
HM4-DS-85/10M42	42	95	85	10	48,00
HM4-DS-85/10M52	52	95	85	10	51,00



BGW bohr GmbH GERMAN QUALITY SINCE 1986

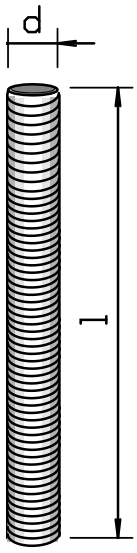
BGW- Threaded mandrel – Threaded bolt

Type d x h	Length mm	PU piece	Weight kg/piece	Price €/meter
M/Rd12 x 25	100	500	0,085	
M/Rd12 x 25	150	500	0,130	
M/Rd16 x 30	100	250	0,150	
M/Rd16 x 30	150	250	0,230	
M/Rd16 x 30	190	250	0,290	
M/Rd16 x 30	260	250	0,400	
M/Rd16 x 50	300	250	0,459	
M/Rd18 x 80	165	250	0,310	
M/Rd20 x 40	100	250	0,238	
M/Rd20 x 40	130	250	0,312	
M/Rd20 x 40	150	250	0,361	
M/Rd20 x 40	210	250	0,509	
M/Rd20 x 50	200	250	0,480	On
M/Rd20 x 50	250	250	0,603	Request
M/Rd20 x 50	330	250	0,801	
M/Rd24 x 40	230	250	0,795	
M/Rd24 x 50	250	250	0,870	
M/Rd24 x 80	165	250	0,552	
M/Rd30 x 40	210	100	1,143	
M/Rd30 x 60	235	100	1,266	
M/Rd30 x 60	300	100	1,627	
M/Rd30 x 60	350	100	1,904	
M/Rd30 x 70	150	100	0,784	
M/Rd30 x 80	165	100	0,862	
M/Rd36 x 65	150	100	1,142	
M/Rd36 x 65	165	100	1,262	
M/Rd36 x 65	200	100	1,542	
M/Rd36 x 65	250	100	1,941	
M/Rd42 x 80	250	100	2,628	
M/Rd52 x 80	200	50	3,208	



BGW- threaded bar or short pieces

Thread M/Rd d	Total length/m	PU piece	Weight kg/m	Price €/meter
M/Rd6	1	100	0,186	on request
M/Rd8	1	100	0,335	
M/Rd10	1	50	0,527	
M/Rd12	1	50	0,763	
M/Rd14	1	50	1,062	
M/Rd16	1	50	1,387	
M/Rd18	1	50	1,578	
M/Rd20	1	25	2,168	
M/Rd24	1	25	3,121	
M/Rd30	1	25	4,920	
M/Rd36	1	10	7,127	
M/Rd42	1	10	9,742	
M/Rd52	1	10	15,107	



Length changes on request. Lengths of up to 6 meters are possible, or pieces by the meter!

BGW threaded mandrels are available in the following materials:

- St52 or St37
- Galvanised or bare
- Stainless steel V4A or V2A

Different mandrel and thread lengths as well as special threads on request!

BGW- connecting sleeves

– For extending threaded rods Coupling sleeves for anchor feet
Coupling sleeve, threaded sleeve with thread on both sides



The BGW connecting sleeves/coupling sleeves are used to extend threaded pieces, to create bar connectors, to screw onto anchor bases, etc.
The threaded pieces to be extended are screwed into the connecting sleeve/coupling sleeve (threaded socket) to the same depth on both sides and tightened securely, preferably with a DIN nut to prevent release. When creating bar connectors, the appropriate metric standard thread according to DIN sheet 13 is cut or rolled onto the reinforcing bar. For safety, a nut should be locked on each side. The connecting sleeves/coupling sleeves (threaded sleeves) are made of steel and electro-Galvanised. The thread should be greased before installation in the concrete. BGW retaining discs made of metal or plastic, with or without magnets, can be used to attach the connecting sleeve to the Formwork.

Item no.	Thread	Ø outside mm	Length mm	Breaking load kg /min.	Weight kg/piece	PU piece	Price €/piece
61030	M12	17	35	1.500	0,030	1.000	1,20
61032	M16	21	45	3.600	0,070	1.000	1,60
61031	M20	28	55	6.000	0,150	1.000	2,40
61033	M24	31	70	7.500	0,255	1.000	2,90
61034	M30	38	90	12.000	0,513	500	5,70

The forged anchor foot is made of S355 or comparable material with External thread for screwing onto connecting sleeves. The diameter of the forged foot is 2.5xd.

The length of the anchor foot is flexible and is supplied as required. The anchor foot is supplied without a lock nut.

Item no.	Thread	Ø foot mm	Length mm	Load group kg	Weight kg/piece	PU piece	Price €/piece
610301	M12	30	130	2,000	0,125	1.000	3,30
610321	M16	40	190	3,500	0,320	1.000	7,80
6103311	M20	50	250	5,200	0,640	1.000	10,40
610331	M24	60	325	7,500	1,250	500	19,00
610341	M30	75	400	11,800	2,500	500	36,60



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- crutch anchor M and Rd thread - galvanized

Threaded anchors can be very useful not only as Transport anchors, but also for temporarily fastening components, steel components such as supports, struts, signs, etc. Due to their design, BGW crutch anchors are suitable for slim precast concrete elements and for installation in thin walls, such as garages, transformer stations, shaft rings, etc. A round thread (Rd) is cut into the Galvanised or Stainless steel sleeve, which should be greased before installation in the precast concrete element. BGW- holding magnets type HM4 are recommended for fixing to steel formwork. Plastic sealing plugs or retaining discs are used to prevent dirt and concrete from entering the thread of the sleeve. The ends of the anchor rods are painted in colors that match the corresponding Rope loops. The anchor lengths and rod diameters can be modified to suit your specific installation, but please note that this may change the load level.

Crutch anchor – Galvanised sleeve

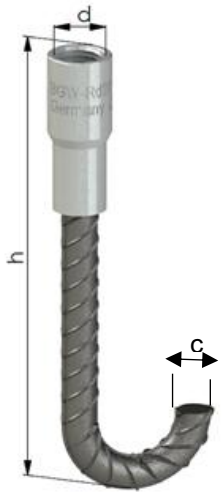
Rd thread Item no.	Type d x h	M thread Item no.	Type d x h	Load stage t	c mm	PU piece	Weight kg/piece	Price €/piece
05510-110	Rd12 x 110	0551-110	M12 x 110	0,8	8	100	0,090	
05500	Rd12 x 120	0550	M12 x 120	0,8	8	100		
05510-130	Rd12 x 130	0551-130	M12 x 130	0,8	8	100	0,102	
05510	Rd12 x 160	0551	M12 x 160	0,8	8	100	0,112	
05900	Rd12 x 180	0552	M12 x 180	0,8	8	100	0,095	1,79
05540	Rd12 x 240	0554	M12 x 240	0,8	8	100		
05902	Rd14 x 250	0555	M14 x 250	0,8	10	100	0,240	2,16
05903	Rd14 x 300	05903M	M14 x 300	0,8	10	100	0,182	
05560	Rd16 x 160	0556	M16 x 160	1,2	10	100		
05570	Rd16 x 200	0557	M16 x 200	1,2	10	100	0,442	
05905	Rd16 x 230	05905M	M16 x 230	1,2	10	100		
05580	Rd16 x 240	0558	M16 x 240	1,2	10	100	0,505	
05904	Rd16 x 310	05904M	M16 x 310	1,2	10	100	0,368	2,59
05600	Rd16 x 320	0560	M16 x 320	1,2	10	100		
05905	Rd16 x 360	05905M	M16 x 360	1,2	10	100	0,228	
05860	Rd16 x 375	0586	M16 x 375	1,2	10	100	0,430	
0580	Rd16 x 400	0580M	M16 x 400	1,2	10	100		
05590	Rd16 x 420	0559	M16 x 420	1,2	10	100	0,790	
05610	Rd16 x 450	0561	M16 x 450	1,2	10	100	0,837	
05630	Rd16 x 500	0563	M16 x 500	1,2	10	100	0,916	
05620	Rd16 x 600	0562	M16 x 600	1,2	10	100		
0575	Rd16 x 2000	0575M	M16 x 2000	1,2	10	100		
05906	Rd18 x 350	05906M	M18 x 350	1,6	12	50	0,480	3,50
0581	Rd18 x 360	0581M	M18 x 360	1,6	12	50	0,450	
05911	Rd20 x 170	05911M	M20 x 170	2,0	14	50	0,465	
05907	Rd20 x 190	05907M	M20 x 190	2,0	14	50	0,465	
05640	Rd20 x 200	0564	M20 x 200	2,0	14	50		
05650-1	Rd20 x 250	0565-1	M20 x 250	2,0	14	50	0,880	
05660	Rd20 x 300	0566	M20 x 300	2,0	14	50		
0591	Rd20 x 370	0591M	M20 x 370	2,0	14	50	0,670	
05908	Rd20 x 380	05908M	M20 x 380	2,0	14	50	0,682	4,30
0591-400	Rd20 x 400	0568	M20 x 400	2,0	14	50	0,675	
05909	Rd20 x 420	05909M	M20 x 420	2,0	14	50	0,743	
05650	Rd20 x 550	0565	M20 x 550	2,0	14	50		
0589	Rd20 x 1500	0589M	M20 x 1500	2,0	14	50		
0587	Rd20 x 2100	0587M	M20 x 2100	2,0	14	50	2,870	
0588	Rd20 x 2300	0588M	M20 x 2300	2,0	14	50	3,319	
05910	Rd24 x 490	05910M	M24 x 490	2,5	16	25	1,123	5,25
05900-1	Rd24 x 500	0590	M24 x 500	2,5	16	25	2,697	
05670	Rd24 x 550	0567	M24 x 550	2,5	16	25	2,380	
05900-600	Rd24 x 600	0590-600	M24 x 600	2,5	16	25	3,429	
0592	Rd24 x 700	0592M	M24 x 700	2,5	16	25		
0593	Rd24 x 1000	0593M	M24 x 1000	2,5	16	25	2,210	
0577	Rd24 x 2000	0577M	M24 x 2000	2,5	16	25		

EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW- Krueckstockanker_alleLaststufen.pdf

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- crutch anchor M and Rd thread - Galvanised

Rd thread Item no.	M thread Item no.	Type d x h	Load level t	c mm	PU piece	Weight kg/piece	Price €/piece
05700	0570	Rd/M27 x 270	3,0		10		
05720	0572	Rd/M27 x 400	3,0		10	2,690	
0574-540	0574	Rd/M27 x 540	3,0		10		
0574-550	05740	Rd/M27 x 550	3,0		10	1,975	
05912	0569-630	Rd/M30 x 630	4,0	20	10	2,236	9,40
0594	0594M	Rd/M30 x 900	4,0	20	10		
05690	0569	Rd/M30 x 1500	4,0	20	10	8,300	
0578	0578M	Rd/M30 x 2000	6,3	20	10		
05914	05914M	Rd/M36 x 790	6,3	25	10	4,273	15,65
05916	05916M	Rd/M42 x 860	8,0	28	10	6,107	27,20
0582	0582M	Rd/M42 x 1000	8,0	28	10		
0582-2000	0582M-2000	Rd/M42 x 2000	8,0	28	10	11,319	
0584	0584M	Rd/M52 x 1500	12,5	32	10		
0584-2000	0584M-2000	Rd/M52 x 2000	12,5	32	10	15,286	



BGW- crutch anchor M and Rd thread – sleeve Stainless steel V2A, V4A

Rd thread Item no. V2A	M thread Item no. V2A	Rd thread Item no. V4A	M thread Item no. V4A	Type d x h	Load level t	c mm	PU piece	Weight kg/piece	Price V2A €/piece	Price V4A €/piece
05510-110E	0551-110E	05510-110EE	0551-110EE	Rd/M12 x 110	0,8	8	100	0,090		
05500E	0550E	05500EE	0550EE	Rd/M12 x 120	0,8	8	100			
05510-130E	0551-130E	05510-130EE	0551-130EE	Rd/M12 x 130	0,8	8	100	0,102		
05510E	0551E	05510EE	0551EE	Rd/M12 x 160	0,8	8	100	0,112		
05900E	0552E	05900EE	0552EE	Rd/M12 x 180	0,8	8	100	0,095		
05540E	0554E	05540EE	0554EE	Rd/M12 x 240	0,8	8	100			
05902E	0555E	05902EE	0555EE	Rd/M14 x 250	0,8	10	100	0,240		
05903E	05903ME	05903EE	05903MEE	Rd/M14 x 300	0,8	10	100	0,182		
05560E	0556E	05560EE	0556EE	Rd/M16 x 160	1,2	10	100			
05570E	0557E	05570EE	0557EE	Rd/M16 x 200	1,2	10	100	0,442		
05905E	05905ME	05905EE	05905MEE	Rd/M16 x 230	1,2	10	100			
05580E	0558E	05580EE	0558EE	Rd/M16 x 240	1,2	10	100	0,505		
05904E	05904ME	05904EE	05904MEE	Rd/M16 x 310	1,2	10	100	0,368		
05600E	0560E	05600EE	0560EE	Rd/M16 x 320	1,2	10	100			
05905E	05905ME	05905EE	05905MEE	Rd/M16 x 360	1,2	10	100	0,228		
05860E	0586E	05860EE	0586EE	Rd/M16 x 375	1,2	10	100	0,430		
0580E	0580ME	0580EE	0580MEE	Rd/M16 x 400	1,2	10	100			
05590E	0559E	05590EE	0559EE	Rd/M16 x 420	1,2	10	100	0,790		
05610E	0561E	05610EE	0561EE	Rd/M16 x 450	1,2	10	100	0,837		
05630E	0563E	05630EE	0563EE	Rd/M16 x 500	1,2	10	100	0,916		
05620E	0562E	05620EE	0562EE	Rd/M16 x 600	1,2	10	100			
0575E	0575ME	0575EE	0575MEE	Rd/M16 x 2000	1,2	10	100			
05906E	05906ME	05906EE	05906MEE	Rd/M18 x 350	1,6	12	50	0,480		
0581E	0581ME	0581EE	0581MEE	Rd/M18 x 360	1,6	12	50	0,450		
05911E	05911ME	05911EE	05911MEE	Rd/M20 x 170	2,0	14	50	0,465		
05907E	05907ME	05907EE	05907MEE	Rd/M20 x 190	2,0	14	50	0,465		
05640E	0564E	05640EE	0564EE	Rd/M20 x 200	2,0	14	50			
05650-1E	0565-1E	05650-1EE	0565-1EE	Rd/M20 x 250	2,0	14	50	0,880		
05660E	0566E	05660EE	0566EE	Rd/M20 x 300	2,0	14	50			
0591E	0591ME	0591EE	0591MEE	Rd/M20 x 370	2,0	14	50	0,670		
05908E	05908ME	05908EE	05908MEE	Rd/M20 x 380	2,0	14	50	0,682		
0591-400E	0568E	0591-400EE	0568EE	Rd/M20 x 400	2,0	14	50	0,675		
05909E	05909ME	05909EE	05909MEE	Rd/M20 x 420	2,0	14	50	0,743		
05650E	0565E	05650EE	0565EE	Rd/M20 x 550	2,0	14	50			
0589E	0589ME	0589EE	0589MEE	Rd/M20 x 1500	2,0	14	50			

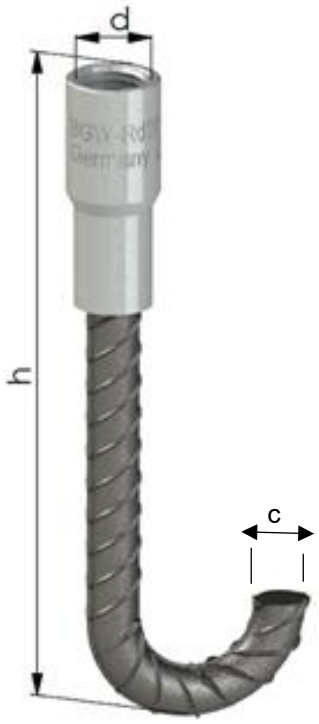
EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW-_Krueckstockanker_alleLaststufen.pdf

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- crutch anchor M and Rd thread

- Sleeve Stainless steel V2A, V4A

Rd thread Item no. V2A	M thread Item no. V2A	Rd thread Item no. V4A	M thread Item no. V4A	Type d x h	Load level t	c mm	PU piece	Weight kg/piece	Price V2A €/piece	Price V4A €/piece
0587E	0587ME	0587EE	0587MEE	Rd/M20 x 2100	2,0	14	50	2,870		
0588E	0588ME	0588EE	0588MEE	Rd/M20 x 2300	2,0	14	50	3,319		
05910E	05910ME	05910EE	05910MEE	Rd/M24 x 490	2,5	16	25	1,123		
05900-1E	0590E	05900-1EE	0590EE	Rd/M24 x 500	2,5	16	25	2,697		
05670E	0567E	05670EE	0567EE	Rd/M24 x 550	2,5	16	25	2,380		
05900-600E	0590-600E	05900-600EE	0590-600EE	Rd/M24 x 600	2,5	16	25	3,429		
0592E	0592ME	0592EE	0592MEE	Rd/M24 x 700	2,5	16	25			
0593E	0593ME	0593EE	0593MEE	Rd/M24 x 1000	2,5	16	25	2,210		
0577E	0577ME	0577EE	0577MEE	Rd/M24 x 2000	2,5	16	25			
05700E	0570E	05700EE	0570EE	Rd/M27 x 270	3,0		10			
05720E	0572E	05720EE	0572EE	Rd/M27 x 400	3,0		10	2,690		
0574-540E	0574E	0574-540EE	0574EE	Rd/M27 x 540	3,0		10			
0574-550E	05740E	0574-550EE	05740EE	Rd/M27 x 550	3,0		10	1,975		
05912E	0569-630E	05912EE	0569-630EE	Rd/M30 x 630	4,0	20	10	2,236		
0594E	0594ME	0594EE	0594MEE	Rd/M30 x 900	4,0	20	10			
05690E	0569E	05690EE	0569EE	Rd/M30 x 1500	4,0	20	10	8,300		
0578E	0578ME	0578EE	0578MEE	Rd/M30 x 2000	4,0	20	10			
05914E	05914ME	05914EE	05914MEE	Rd/M36 x 790	6,3	25	10	4,273		
05916E	05916ME	05916EE	05916MEE	Rd/M42 x 860	8,0	28	10	6,107		
0582E	0582ME	0582EE	0582MEE	Rd/M42 x 1000	8,0	28	10			
0582-2000E	0582M-2000E	0582-2000EE	0582M-2000EE	Rd/M42 x 2000	8,0	28	10	11,319		
0584E	0584ME	0584EE	0584MEE	Rd/M52 x 1500	12,5	32	10			
0584-2000E	0584M-2000E	0584-2000EE	0584M-2000EE	Rd/M52 x 2000	12,5	32	10	15,286		



EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW-_Krueckstockanker_alleLaststufen.pdf

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- crutch anchor sealed, M and Rd thread – galvanized

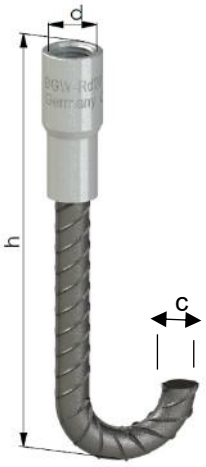
The "seal" is a sealant that is installed between the threaded anchor reinforcement and the threaded part of the transport anchor. This "seal" ensures that no rust can flow from the anchor's Reinforcing bar into the threaded part of the transport anchor. The low-viscosity sealant, an epoxy resin, is poured onto the Reinforcing bar in a layer with a thickness of approx. 3 mm into the grease-free, cleaned thread of the threaded sleeve, whereby the low-viscosity resin flows into every crack, into the Compression, between the threaded sleeve and the Reinforcing bar. Once this resin has hardened after a few hours, it is ensured that no more rust can flow from the Reinforcing bar of the anchor into the threaded part of the threaded transport anchor.



The illustration shows a cutaway transport anchor with this sealant.

Crutch anchor sealed – sleeve Galvanised

Rd thread Item no.	Type d x h	M thread Item no.	Type d x h	Load level t	c mm	PU piece	Weight kg/piece	Price €/piece
05510-110V	Rd12 x 110	0551-110V	M12 x 110	0,8	8	100	0,090	
05500V	Rd12 x 120	0550V	M12 x 120	0,8	8	100		
05510-130V	Rd12 x 130	0551-130V	M12 x 130	0,8	8	100	0,102	
05510V	Rd12 x 160	0551V	M12 x 160	0,8	8	100	0,112	
05900V	Rd12 x 180	0552V	M12 x 180	0,8	8	100	0,095	2,44
05540V	Rd12 x 240	0554V	M12 x 240	0,8	8	100		
05902V	Rd14 x 250	0555V	M14 x 250	0,8	10	100	0,240	2,81
05903V	Rd14 x 300	05903MV	M14 x 300	0,8	10	100	0,182	
05560V	Rd16 x 160	0556V	M16 x 160	1,2	10	100		
05570V	Rd16 x 200	0557V	M16 x 200	1,2	10	100	0,442	
05905V	Rd16 x 230	05905MV	M16 x 230	1,2	10	100		
05580V	Rd16 x 240	0558V	M16 x 240	1,2	10	100	0,505	
05904V	Rd16 x 310	05904MV	M16 x 310	1,2	10	100	0,368	3,17
05600V	Rd16 x 320	0560V	M16 x 320	1,2	10	100		
05905V	Rd16 x 360	05905MV	M16 x 360	1,2	10	100	0,228	
05860V	Rd16 x 375	0586V	M16 x 375	1,2	10	100	0,430	
0580V	Rd16 x 400	0580MV	M16 x 400	1,2	10	100		
05590V	Rd16 x 420	0559V	M16 x 420	1,2	10	100	0,790	
05610V	Rd16 x 450	0561V	M16 x 450	1,2	10	100	0,837	
05630V	Rd16 x 500	0563V	M16 x 500	1,2	10	100	0,916	
05620V	Rd16 x 600	0562V	M16 x 600	1,2	10	100		
0575V	Rd16 x 2000	0575MV	M16 x 2000	1,2	10	100		
05906V	Rd18 x 350	05906MV	M18 x 350	1,6	12	50	0,480	3,95
0581V	Rd18 x 360	0581MV	M18 x 360	1,6	12	50	0,450	
05911V	Rd20 x 170	05911MV	M20 x 170	2,0	14	50	0,465	
05907V	Rd20 x 190	05907MV	M20 x 190	2,0	14	50	0,465	
05640V	Rd20 x 200	0564V	M20 x 200	2,0	14	50		
05650-1V	Rd20 x 250	0565-1V	M20 x 250	2,0	14	50	0,880	
05660V	Rd20 x 300	0566V	M20 x 300	2,0	14	50		
0591V	Rd20 x 370	0591MV	M20 x 370	2,0	14	50	0,670	
05908V	Rd20 x 380	05908MV	M20 x 380	2,0	14	50	0,682	4,80
0591-400V	Rd20 x 400	0568V	M20 x 400	2,0	14	50	0,675	
05909V	Rd20 x 420	05909MV	M20 x 420	2,0	14	50	0,743	
05650V	Rd20 x 550	0565V	M20 x 550	2,0	14	50		
0589V	Rd20 x 1500	0589MV	M20 x 1500	2,0	14	50		
0587V	Rd20 x 2100	0587MV	M20 x 2100	2,0	14	50	2,870	
0588V	Rd20 x 2300	0588MV	M20 x 2300	2,0	14	50	3,319	
05910V	Rd24 x 490	05910MV	M24 x 490	2,5	16	25	1,123	5,75
05900-1V	Rd24 x 500	0590V	M24 x 500	2,5	16	25	2,697	
05670V	Rd24 x 550	0567V	M24 x 550	2,5	16	25	2,380	
05900-600V	Rd24 x 600	0590-600V	M24 x 600	2,5	16	25	3,429	
0592V	Rd24 x 700	0592MV	M24 x 700	2,5	16	25		
0593V	Rd24 x 1000	0593MV	M24 x 1000	2,5	16	25	2,210	



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- crutch anchor sealed – Galvanised, V2A, V4A

Rd thread Item no.	Type d x h	M thread Item no.	Type d x h	Load level t	c mm	PU piece	Weight kg/piece	Price €/piece
0577V	Rd24 x 2000	0577MV	24 x 2000	2,5	16	25		
05700V	Rd27 x 270	0570V	27 x 270	3,0		10		
05720V	Rd27 x 400	0572V	27 x 400	3,0		10	2,690	
0574-540V	Rd27 x 540	0574V	27 x 540	3,0		10		
0574-550V	Rd27 x 550	05740V	27 x 550	3,0		10	1,975	
05912V	Rd30 x 630	0569-630V	30 x 630	4,0	20	10	2,236	10,40
0594V	Rd30 x 900	0594MV	30 x 900	4,0	20	10		
05690V	Rd30 x 1500	0569V	30 x 1500	4,0	20	10	8,300	
0578V	Rd30 x 2000	0578MV	30 x 2000	6,3	20	10		
05914V	Rd36 x 790	05914MV	36 x 790	6,3	25	10	4,273	16,78
05916V	Rd42 x 860	05916MV	42 x 860	8,0	28	10	6,107	28,50
0582V	Rd42 x 1000	0582MV	42 x 1000	8,0	28	10		
0582-2000V	Rd42 x 2000	0582M-2000V	42 x 2000	8,0	28	10	11,319	
0584V	Rd52 x 1500	0584MV	52 x 1500	12,5	32	10		
0584-2000V	Rd52 x 2000	0584M-2000V	52 x 2000	12,5	32	10	15,286	

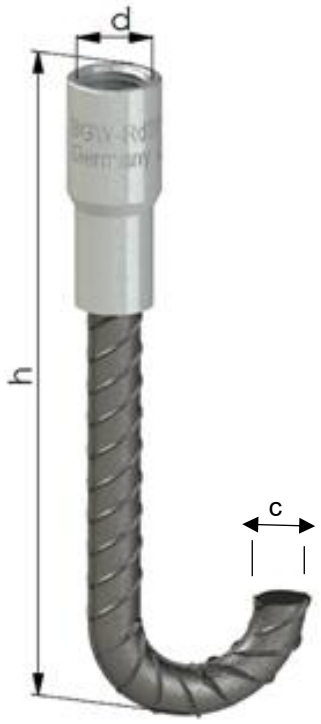
BGW- crutch anchor sealed, M and Rd thread - sleeve Stainless steel V2A, V4A

Rd thread Item no. V2A	M thread Item no. V2A	Rd thread Item no. V4A	M thread Item no. V4A	Type d x h	Load level t	c mm	PU piece	Weight kg/piece	Price V2A €/piece	Price V4A €/piece
05510-110EV	0551-110EV	05510-110EEV	0551-110EEV	Rd/M12 x 110	0,8	8	100	0,090		
05500EV	0550EV	05500EEV	0550EEV	Rd/M12 x 120	0,8	8	100			
05510-130EV	0551-130EV	05510-130EEV	0551-130EEV	Rd/M12 x 130	0,8	8	100	0,102		
05510EV	0551EV	05510EEV	0551EEV	Rd/M12 x 160	0,8	8	100	0,112		
05900EV	0552EV	05900EEV	0552EEV	Rd/M12 x 180	0,8	8	100	0,095		
05540EV	0554EV	05540EEV	0554EEV	Rd/M12 x 240	0,8	8	100			
05902EV	0555EV	05902EEV	0555EEV	Rd/M14 x 250	0,8	10	100	0,240		
05903EV	05903MEV	05903EEV	05903MEEV	Rd/M14 x 300	0,8	10	100	0,182		
05560EV	0556EV	05560EEV	0556EEV	Rd/M16 x 160	1,2	10	100			
05570EV	0557EV	05570EEV	0557EEV	Rd/M16 x 200	1,2	10	100	0,442		
05905EV	05905MEV	05905EEV	05905MEEV	Rd/M16 x 230	1,2	10	100			
05580EV	0558EV	05580EEV	0558EEV	Rd/M16 x 240	1,2	10	100	0,505		
05904EV	05904MEV	05904EEV	05904MEEV	Rd/M16 x 310	1,2	10	100	0,368		
05600EV	0560EV	05600EEV	0560EEV	Rd/M16 x 320	1,2	10	100			
05905EV	05905MEV	05905EEV	05905MEEV	Rd/M16 x 360	1,2	10	100	0,228		
05860EV	0586EV	05860EEV	0586EEV	Rd/M16 x 375	1,2	10	100	0,430		
0580EV	0580MEV	0580EEV	0580MEEV	Rd/M16 x 400	1,2	10	100			
05590EV	0559EV	05590EEV	0559EEV	Rd/M16 x 420	1,2	10	100	0,790		
05610EV	0561EV	05610EEV	0561EEV	Rd/M16 x 450	1,2	10	100	0,837		
05630EV	0563EV	05630EEV	0563EEV	Rd/M16 x 500	1,2	10	100	0,916		
05620EV	0562EV	05620EEV	0562EEV	Rd/M16 x 600	1,2	10	100			
0575EV	0575MEV	0575EEV	0575MEEV	Rd/M16 x 2000	1,2	10	100			
05906EV	05906MEV	05906EEV	05906MEEV	Rd/M18 x 350	1,6	12	50	0,480		
0581EV	0581MEV	0581EEV	0581MEEV	Rd/M18 x 360	1,6	12	50	0,450		
05911EV	05911MEV	05911EEV	05911MEEV	Rd/M20 x 170	2,0	14	50	0,465		
05907EV	05907MEV	05907EEV	05907MEEV	Rd/M20 x 190	2,0	14	50	0,465		
05640EV	0564EV	05640EEV	0564EEV	Rd/M20 x 200	2,0	14	50			
05650-1EV	0565-1EV	05650-1EEV	0565-1EEV	Rd/M20 x 250	2,0	14	50	0,880		
05660EV	0566EV	05660EEV	0566EEV	Rd/M20 x 300	2,0	14	50			
0591EV	0591MEV	0591EEV	0591MEEV	Rd/M20 x 370	2,0	14	50	0,670		
05908EV	05908MEV	05908EEV	05908MEEV	Rd/M20 x 380	2,0	14	50	0,682		
0591-400EV	0568EV	0591-400EEV	0568EEV	Rd/M20 x 400	2,0	14	50	0,675		
05909EV	05909MEV	05909EEV	05909MEEV	Rd/M20 x 420	2,0	14	50	0,743		
05650EV	0565EV	05650EEV	0565EEV	Rd/M20 x 550	2,0	14	50			
0589EV	0589MEV	0589EEV	0589MEEV	Rd/M20 x 1500	2,0	14	50			

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- crutch anchor sealed, M and Rd thread - sleeve Stainless steel V2A, V4A

Rd thread Item no. V2A	M thread Item no. V2A	Rd thread Item no. V4A	M thread Item no. V4A	Type d x h	Load level t	c mm	PU piece	Weight kg/piece	Price V2A €/piece	Price V4A €/piece
0587EV	0587MEV	0587EEV	0587MEEV	Rd/M20 x 2100	2,0	14	50	2,870		
0588EV	0588MEV	0588EEV	0588MEEV	Rd/M20 x 2300	2,0	14	50	3,319		
05910EV	05910MEV	05910EEV	05910MEEV	Rd/M24 x 490	2,5	16	25	1,123		
05900-1EV	0590EV	05900-1EEV	0590EEV	Rd/M24 x 500	2,5	16	25	2,697		
05670EV	0567EV	05670EEV	0567EEV	Rd/M24 x 550	2,5	16	25	2,380		
05900-600EV	0590-600EV	05900-600EEV	0590-600EEV	Rd/M24 x 600	2,5	16	25	3,429		
0592EV	0592MEV	0592EEV	0592MEEV	Rd/M24 x 700	2,5	16	25			
0593EV	0593MEV	0593EEV	0593MEEV	Rd/M24 x 1000	2,5	16	25	2,210		
0577EV	0577MEV	0577EEV	0577MEEV	Rd/M24 x 2000	2,5	16	25			
05700EV	0570EV	05700EEV	0570EEV	Rd/M27 x 270	3,0		10			
05720EV	0572EV	05720EEV	0572EEV	Rd/M27 x 400	3,0		10	2,690		
0574-540EV	0574EV	0574-540EEV	0574EEV	Rd/M27 x 540	3,0		10			
0574-550EV	05740EV	0574-550EEV	05740EEV	Rd/M27 x 550	3,0		10	1,975		
05912EV	0569-630EV	05912EEV	0569-630EEV	Rd/M30 x 630	4,0	20	10	2,236		
0594EV	0594MEV	0594EEV	0594MEEV	Rd/M30 x 900	4,0	20	10			
05690EV	0569EV	05690EEV	0569EEV	Rd/M30 x 1500	4,0	20	10	8,300		
0578EV	0578MEV	0578EEV	0578MEEV	Rd/M30 x 2000	6,3	20	10			
05914EV	05914MEV	05914EEV	05914MEEV	Rd/M36 x 790	6,3	25	10	4,273		
05916EV	05916MEV	05916EEV	05916MEEV	Rd/M42 x 860	8,0	28	10	6,107		
0582EV	0582MEV	0582EEV	0582MEEV	Rd/M42 x 1000	8,0	28	10			
0582-2000EV	0582M-2000EV	0582-2000EEV	0582M-2000EEV	Rd/M42 x 2000	8,0	28	10	11,319		
0584EV	0584MEV	0584EEV	0584MEEV	Rd/M52 x 1500	12,5	32	10			
0584-2000EV	0584M-2000EV	0584-2000EEV	0584M-2000EEV	Rd/M52 x 2000	12,5	32	10	15,286		



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- screw anchor (SA) M and Rd thread – Galvanised

Screw anchor – Galvanised sleeve

Threaded anchors can be very useful not only as Transport anchors, but also for temporarily fastening components, steel components such as supports, struts, signs, etc. Due to their design, BGW screw anchors are suitable for slim precast concrete elements and for installation in thin walls, such as garages, transformer stations, shaft rings, etc. A round thread (Rd) is cut into the Galvanised or Stainless steel sleeve, which should be greased before installation in the precast concrete element. BGW- holding magnets type HM4 are recommended for fixing to steel formwork. Plastic sealing plugs or Retaining discs are used to prevent dirt and concrete from entering the thread of the sleeve. The ends of the anchor rods are painted in colors that match the corresponding Rope loops. The anchor lengths and rod diameters can be modified to suit your specific installation, but please note that this may change the load level.

EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW- Screw anchors_all load levels.pdf
Installation instructions: https://www.bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf

M thread Item no.	Type d x h	Rd thread Item no.	Type d x h	Load level t	PU piece	Weight kg/piece	Price €/piece
0380M-55	M12 x 55	0380-55	Rd12 x 55	0,5	200	0,050	0,83
0387M	M12 x 60	0387	Rd12 x 60	0,5	300	0,052	0,89
0380M	M12 x 70	0380	Rd12 x 70	0,5	200	0,048	1,03
0380M-100	M12 x 100	0380-100	Rd12 x 100	0,5	200	0,100	1,60
0381M	M14 x 70	0381	Rd14 x 70	0,8	100	0,079	1,10
0382M-70	M16 x 70	0382-70	Rd16 x 70	1,2	100	0,106	1,15
0382M-80	M16 x 80	0382	Rd16 x 80	1,2	100	0,110	1,21
0382M-90	M16 x 90	0382-90	Rd16 x 90	1,2	100	0,114	1,35
0382M-105	M16 x 105	0382-105	Rd16 x 105	1,2	100	0,145	1,44
0382M-118	M16 x 118	0382-118	Rd16 x 118	1,2	100	0,154	1,57
0382M	M16 x 140	0382-140	Rd16 x 140	1,2	100	0,162	1,80
0383M-90	M18 x 90	0383-90	Rd18 x 90	1,6	50	0,194	1,64
0383M	M18 x 100	0383	Rd18 x 100	1,6	50	0,206	1,71
0384M-90	M20 x 90	0384-90	Rd20 x 90	2,0	50	0,231	2,03
0384M20-100	M20 x 100	0384-100	Rd20 x 100	2,0	50	0,241	2,10
0384M-107	M20 x 107	0384-107	Rd20 x 107	2,0	50	0,252	2,14
0384M20-127	M20 x 127	0384	Rd20 x 127	2,0	50	0,260	2,16
0384M20-150	M20 x 150	038420-150	Rd20 x 150	2,0	50	0,270	2,65
0385M-80	M24 x 80	0385-80	Rd24 x 80	2,5	50	0,215	2,45
0385M-115	M24 x 115	0385-115	Rd24 x 115	2,5	50	0,337	2,48
0385M-120	M24 x 120	0385-120	Rd24 x 120	2,5	50	0,359	2,57
0385M	M24 x 140	0385	Rd24 x 140	2,5	50	0,370	2,69
0385M-200	M24 x 200	0389	Rd24 x 200	2,5	50	0,483	2,85
0386M-150	M30 x 150	0386-150	Rd30 x 150	4,0	30	0,621	4,17
0386M	M30 x 170	0386	Rd30 x 170	4,0	10	0,683	4,74
0386M-240	M30 x 240	0386-240	Rd30 x 240	4,0	10	0,805	7,40



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- screw anchor (SA) M and Rd thread
- Sleeve Stainless steel V2A, V4A

EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW- Screw anchors_all load levels.pdf
Installation instructions: https://www.bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf

Rd thread Item no. V2A	Rd thread Item no. V4A	M thread Item no. V2A	M thread Item no. V4A	Type d x h	Load level t	PU piece	Weight kg/piece	Price €/piece V2A	Price €/piece V4A
0380-55E	0380-55EE	0380M-55E	0380M-55EE	Rd/M12 x 55	0,5	200	0,050	2,49	2,99
0387E	0387EE	0387ME	0387MEE	Rd/M12 x 60	0,5	200	0,052	2,67	3,20
0380E	0380EE	0380ME	0380MEE	Rd/M12 x 70	0,5	200	0,048	3,09	3,71
0380-100E	0380-100EE	0380M-100E	0380M-100EE	Rd/M12 x 100	0,5	200	0,100	3,65	4,38
0381E	0381EE	0381ME	0381MEE	Rd/M14 x 70	0,8	100	0,079	3,30	3,96
0382-70E	0382-70EE	0382M-70E	0382M-70EE	Rd/M16 x 70	1,2	100	0,106	3,45	4,14
0382E	0382EE	0382M-80E	0382M-80EE	Rd/M16 x 80	1,2	100	0,110	3,63	4,36
0382-90E	0382-90EE	0382M-90E	0382M-90EE	Rd/M16 x 90	1,2	100	0,114	3,95	4,75
0382-105E	0382-105EE	0382M-105E	0382M-105EE	Rd/M16 x 105	1,2	100	0,145	4,32	5,18
0382-118E	0382-118EE	0382M-118E	0382M-118EE	Rd/M16 x 118	1,2	100	0,154	4,71	5,65
0382E-140	0382EE-140	0382ME	0382MEE	Rd/M16 x 140	1,2	100	0,092	5,20	6,25
0383-90E	0383-90EE	0383M-90E	0383M-90EE	Rd/M18 x 90	1,6	50	0,194	4,92	5,90
0383E	0383EE	0383ME	0383MEE	Rd/M18 x 100	1,6	50	0,206	5,13	6,16
0384-90E	0384-90EE	0384M-90E	0384M-90EE	Rd/M20 x 90	2,0	50	0,231	6,09	7,31
0384-100E	0384-100EE	0384M20-100E	0384M20-100EE	Rd/M20 x 100	2,0	50	0,180	6,30	7,56
0384-107E	0384-107EE	0384M-107E	0384M-107EE	Rd/M20 x 107	2,0	50	0,252	6,42	7,70
0384E	0384EE	0384M20-127E	0384M20-127EE	Rd/M20 x 127	2,0	50	0,230	7,12	8,55
0384-150E	0384-150EE	0384M20-150E	0384M20-150EE	Rd/M20 x 150	2,0	50	0,270	7,40	8,85
0385-80E	0358-80EE	0385M-80E	0385M-80EE	Rd/M24 x 80	2,5	50	0,170	7,10	8,25
0385-115E	0385-115EE	0385M-115E	0385M-115EE	Rd/M24 x 115	2,5	50	0,337	7,44	8,93
0385-120E	0385-120EE	0385M-120E	0385M-120EE	Rd/M24 x 120	2,5	50	0,359	7,71	9,25
0385E	0385EE	0385ME	0385MEE	Rd/M24 x 140	2,5	50	0,300	8,07	9,68
0389E	0389EE	0389M-200E	0389M-200EE	Rd/M24 x 200	2,5	50	0,264	8,55	10,26
0386-150E	0386-150EE	0386M-150E	0386M-150EE	Rd/M30 x 150	4,0	10	0,621	12,51	15,01
0386E	0386EE	0386ME	0386MEE	Rd/M30 x 170	4,0	10	0,499	14,22	17,06
0386-240E	0386-240EE	0386M-240E	0386M-240EE	Rd/M30 x 240	4,0	10	0,805	16,95	20,34



BGW- screw anchor (SA) sealed , M and Rd thread – Galvanised

The "seal" is a sealant that is installed between the threaded anchor reinforcement and the threaded part of the transport anchor. This "seal" ensures that no rust can flow from the anchor's Reinforcing bar into the threaded part of the transport anchor. The low-viscosity sealant, an epoxy resin, is poured onto the Reinforcing bar in a layer with a thickness of approx. 3 mm into the grease-free, cleaned thread of the threaded sleeve, whereby the low-viscosity resin flows into every crack, into the Compression, between the threaded sleeve and the Reinforcing bar. Once this resin has hardened after a few hours, it is ensured that no more rust can flow from the Reinforcing bar of the anchor into the threaded part of the threaded transport anchor.

Screw anchor (SA) sealed – Galvanised sleeve

Installation instructions: https://www.bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf
EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW- Screw anchors_all load levels.pdf

M thread Item no.	Type d x h	Rd thread Item no.	Type d x h	Load level t	PU piece	Weight kg/piece	Price €/piece
0380M-55V	M12 x 55	0380-55V	Rd12 x 55	0,5	200	0,050	1,48
0387MV	M12 x 60	0387V	Rd12 x 60	0,5	200	0,052	1,54
0380MV	M12 x 70	0380V	Rd12 x 70	0,5	200	0,048	1,68
0380M-100V	M12 x 100	0380-100V	Rd12 x 100	0,5	200	0,100	2,25
0381MV	M14 x 70	0381V	Rd14 x 70	0,8	100	0,079	1,75
0382M-70V	M16 x 70	0382-70V	Rd16 x 70	1,2	100	0,106	1,8
0382M-80V	M16 x 80	0382V	Rd16 x 80	1,2	100	0,110	1,86
0382M-90V	M16 x 90	0382-90V	Rd16 x 90	1,2	100	0,114	2
0382M-105V	M16 x 105	0382-105V	Rd16 x 105	1,2	100	0,145	2,09
0382M-118V	M16 x 118	0382-118V	Rd16 x 118	1,2	100	0,154	2,22
0382MV	M16 x 140	0382-140V	Rd16 x 140	1,2	100	0,162	2,45
0383M-90V	M18 x 90	0383-90V	Rd18 x 90	1,6	50	0,194	2,39
0383MV	M18 x 100	0383V	Rd18 x 100	1,6	50	0,206	2,46
0384M-90V	M20 x 90	0384-90V	Rd20 x 90	2,0	50	0,231	2,78
0384M20-100V	M20 x 100	0384-100V	Rd20 x 100	2,0	50	0,241	2,85
0384M-107V	M20 x 107	0384-107V	Rd20 x 107	2,0	50	0,252	2,89
0384M20-127V	M20 x 127	0384V	Rd20 x 127	2,0	50	0,260	2,91
0384M20-150V	M20 x 150	038420-150V	Rd20 x 150	2,0	50	0,270	3,4
0358M-80V	M24 x 80	0358-80V	Rd24 x 80	2,5	50	0,215	3,2
0385M-115V	M24 x 115	0385-115V	Rd24 x 115	2,5	50	0,337	3,23
0385M-120V	M24 x 120	0385-120V	Rd24 x 120	2,5	50	0,359	3,32
0385MV	M24 x 140	0385V	Rd24 x 140	2,5	50	0,370	3,44
0385M-200V	M24 x 200	0389V	Rd24 x 200	2,5	50	0,483	3,6
0386M-150V	M30 x 150	0386-150V	Rd30 x 150	4,0	10	0,621	5,17
0386MV	M30 x 170	0386V	Rd30 x 170	4,0	10	0,683	5,74
0386M-240V	M30 x 240	0386-240V	Rd30 x 240	4,0	10	0,805	8,4

BGW- screw anchor (SA) sealed, M and Rd thread - Sleeve Stainless steel V2A, V4A

Installation instructions: https://www.bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf
EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW- Screw anchor_all load levels.pdf

Rd thread Item no. V2A	Rd thread Item no. V4A	M thread Item no. V2A	M thread Item no. V4A	Type d x h	Load stage t	PU piece	Weight kg/piece	Price €/piece V2A	Price €/piece V4A
0380-55EV	0380-55EEV	0380M-55EV	0380M-55EEV	Rd/M12 x 55	0,5	200	0,050	3,14	3,64
0387EV	0387EEV	0387MEV	0387MEEV	Rd/M12 x 60	0,5	200	0,052	3,32	3,85
0380EV	0380EEV	0380MEV	0380MEEV	Rd/M12 x 70	0,5	200	0,048	3,74	4,36
0380-100EV	0380-100EEV	0380M-100EV	0380M-100EEV	Rd/M12 x 100	0,5	200	0,100	4,3	5,03
0381EV	0381EEV	0381MEV	0381MEEV	Rd/M14 x 70	0,8	100	0,079	3,95	4,61
0382-70EV	0382-70EEV	0382M-70EV	0382M-70EEV	Rd/M16 x 70	1,2	100	0,106	4,1	4,79
0382EV	0382EEV	0382M-80EV	0382M-80EEV	Rd/M16 x 80	1,2	100	0,110	4,28	5,01
0382-90EV	0382-90EEV	0382M-90EV	0382M-90EEV	Rd/M16 x 90	1,2	100	0,114	4,6	5,4
0382-105EV	0382-105EEV	0382M-105EV	0382M-105EEV	Rd/M16 x 105	1,2	100	0,145	4,97	5,83
0382-118EV	0382-118EEV	0382M-118EV	0382M-118EEV	Rd/M16 x 118	1,2	100	0,154	5,36	6,3
0382E-140V	0382EE-140V	0382MEV	0382MEEV	Rd/M16 x 140	1,2	100	0,092	5,85	6,9
0383-90EV	0383-90EEV	0383M-90EV	0383M-90EEV	Rd/M18 x 90	1,6	50	0,194	5,67	6,65
0383EV	0383EEV	0383MEV	0383MEEV	Rd/M18 x 100	1,6	50	0,206	5,88	6,91
0384-90EV	0384-90EEV	0384M-90EV	0384M-90EEV	Rd/M20 x 90	2,0	50	0,231	6,84	8,06
0384-100EV	0384-100EEV	0384M20-100EV	0384M20-100EEV	Rd/M20 x 100	2,0	50	0,180	7,05	8,31
0384-107EV	0384-107EEV	0384M-107EV	0384M-107EEV	Rd/M20 x 107	2,0	50	0,252	7,17	8,45
0384EV	0384EEV	0384M20-127EV	0384M20-127EEV	Rd/M20 x 127	2,0	50	0,230	7,87	9,3
0384-150EV	0384-150EEV	0384M20-150EV	0384M20-150EEV	Rd/M20 x 150	2,0	50	0,270	8,15	9,6
0358-80EV	0358-80EEV	0358M-80EV	0358M-80EEV	Rd/M24 x 80	2,5	50	0,170	7,85	9
0385-115EV	0385-115EEV	0385M-115EV	0385M-115EEV	Rd/M24 x 115	2,5	50	0,337	8,19	9,68
0385-120EV	0385-120EEV	0385M-120EV	0385M-120EEV	Rd/M24 x 120	2,5	50	0,359	8,46	10
0385EV	0385EEV	0385MEV	0385MEEV	Rd/M24 x 140	2,5	50	0,300	8,82	10,43
0389EV	0389EEV	0389M-200EV	0389M-200EEV	Rd/M24 x 200	2,5	50	0,264	9,3	11,01
0386-150EV	0386-150EEV	0386M-150EV	0386M-150EEV	Rd/M30 x 150	4,0	1	0,621	13,51	16,01
0386EV	0386EEV	0386MEV	0386MEEV	Rd/M30 x 170	4,0	1	0,499	15,22	18,06
0386-240EV	0386-240EEV	0386M-240EV	0386M-240EEV	Rd/M30 x 240	4,0	1	0,805	17,95	21,34



BGW- anchor - universal transport anchor HFAM – System for recessed anchor installation

Galvanised, marked with Manufacturer, type, and maximum load level



This transport anchor is characterized by its large anchoring surface, which is installed in the component below the Reinforcement.
It consists only of the anchoring surface with the threaded part and the drum space, which has room for dirt and slinging equipment.
It is characterized by minimal material usage. Non-load-bearing steel is not installed.
No expensive additional reinforcement needs to be installed in the HFAM system.

Safe installation: The transport anchors are delivered ready for installation. Even laypeople cannot make any installation errors. Confusion with unrelated load-bearing equipment is no longer possible with the HFAM.
There is always a place in the component where the HFAM can be installed.
The HFAM is a universally applicable transport anchor. It is suitable for installation in all concrete components.
in the shells of double walls, wall discs, and shaft structures
in concrete pipes
as a transport anchor when installed on both sides in sandwich panels with strong thermal insulation
When installed opposite each other at the center of gravity, for swiveling and rotating components
When installed opposite each other for transporting precast concrete elements, walls, plates, supports, etc.
Loads per opposite anchor up to 8 t with concrete strength C 30/37.

Tensile tests – photo documentation: https://www.bgw-bohr.de/pdf/Zugversuch_HFAM.pdf

With any transport anchor system, the piece of material that is close to the surface is wasted material because this surface-close material does not support the component.
A transport anchor bears deeper into the concrete. The transport anchors bear most below the Reinforcement built into the component if the transport anchor has a sufficient anchoring surface below the Reinforcement. In the case of transverse and diagonal tension, this non-load-bearing piece of the transport anchor must be additionally reinforced with Material to prevent Material failure or tearing.

It is advantageous if the Reinforcement installed in the concrete component can also be used to absorb the forces. The thread of this anchor is below the concrete surface, preferably below the Reinforcement, and its depth is determined by the recess body used. The transverse forces cannot therefore act on the threaded part of the anchor. These forces are transferred to the surrounding concrete and the built-in Reinforcement and absorbed.
Behind the thread of the anchor is a large, deep chamber in which dirt that has fallen into the anchor accumulates and the thread retains its function.



When installing the HFAM in components such as wall discs, shaft components, etc., the HFA should be installed in such a way that the largest possible mass of concrete is above the HFAM so that the HFAM lifts the load from below and cannot tear out upwards.
The HFAM system can be used to rotate and swivel components by installing an HFAM on both sides at the center of gravity and attaching the Load-bearing device to the HFAM on both sides with a cordless screwdriver.
The crossbeam must be slightly wider and the ropes longer than half the height of the component so that this component can be pushed through the crossbeam when turning on its axis.

You can see the HFAM as a rotary coupling system here:
1.https://www.bgw-bohr.de/video/2021-03-16_HFAM_Drehen_von_Betonteilen.avi
2.https://www.bgw-bohr.de/video/2021-03-17_Drehen_von_Betonteilen_2.avi

HFAM instead of Stainless steel!
Another advantage of the HFAM is that the metal, the concrete cover of the HFAM, always corresponds to the height and depth of the recess body used and is located at least 50 mm below the concrete surface.
When the opening of the recess body for the slinging equipment is cast, the metal part of the anchor, i.e., the Transport anchors, is located deep below the concrete surface, depending on which recess body is used, which is why no Stainless steel anchor needs to be installed when this recess is cast. Sufficient concrete cover (50 mm) is already provided by the recessed installation of the Transport anchors.

The metallic values given in the following table for material failure of the anchor

include a minimum safety factor of 1.5. The steel installed and the concrete are primarily responsible for transferring the forces into the component.
installed steel and the concrete are primarily responsible for transferring the forces into the component. The metallic breaking value is approx. 3.5 t for HFAM12, approx. 6.5 t for HFAM16, and 7.5 t for HFAM 20.

Item no.	Load level Metal Axial t as an assembly aid	Load level t HFAM installed as a transport anchor under the Reinforcement applies to all tensile directions	Diameter of the anchoring surface mm	Thread	PU pieces	Weight kg/piece	Price €/piece
HFAM12	2,3	1,0	60x3	M12	1000	0,089	1,65
HFAM16	4,3	2,0	60x3	M16	1000	0,074	1,88
HFAM20	5,0	3,0	60x3	M20	1000	0,096	2,10

The metallic safety factor against steel breakage under axial tension is at least 3 times the nominal load. The metallic safety factor against steel breakage under axial tension is at least 3 times the nominal load.

The HFAM is used as a transport anchor in double wall production and during assembly.

When using the HFAM system, there is no longer any need to store these bulky steel brackets for double wall transport anchors of different widths and Load levels, saving on expensive storage space. The environment also benefits when trucks no longer have to transport tons of such transport anchors around the world.
The advantages are no costly storage and the associated inventory maintenance. Using the HFAM requires little or no storage space. Installation is simple – installation errors are no longer possible because the same steps always have to be followed.

HFAM anchor installation for horizontal wall transport



If the Double wall can be transported horizontally from production, six HFAMs would have to be installed in the first shell. Four of these HFAMs are used for horizontal transport from production and for unloading the Double wall from the truck at the construction site. In the first concrete shell, two HFAM 16 anchors with the corresponding Magnetic recessed body are placed on the steel formwork approx. 0.3 m from the upper edge and at a distance of 0.6 m. Two of these HFAM 16 anchors installed at the top edge are used as Transport anchors, while the other two are intended for securing the diagonal supports. Two additional HFAMs must be installed in the lower area, opposite the Transport anchors from above, for horizontal transport of the Double wall. It is important to ensure that the overhang on exterior walls is taken into account when installing the HFAM and that it is installed deeper in accordance with the overhang. When concreting double wall shell 2, one HFAM is installed at the top opposite the two HFAMs provided in the first concrete shell for transporting the double wall, and then, when assembling the wall, the load-bearing device, HFAMLB, can be attached to the inside and one to the outside. In this example, two HFAMLP must be attached to the inside and two HFAMLB must be attached using a cordless screwdriver with a 10 mm Allen key.
Using the turning station, if available, the first concrete shell is vibrated into the fresh concrete board on the second side of the wall. Once the concrete of the Double wall has hardened, the recessed bodies of the HMFA are removed from the Double wall. These four Transport anchors of the first concrete shell, which are embedded in concrete, are attached to the corresponding suspension device and removed horizontally from production. When assembling the wall, the two approximately opposite HFAM transport anchors are then attached using a cordless screwdriver.
The corresponding load-bearing device BGW- HFAMLB with the BGW- Coupling bands is recommended for attaching the double walls. The slinging equipment can be screwed into the HFAM in approx. 5 seconds using a cordless screwdriver with a 10 mm Allen key. The second HFAM transport anchor set in concrete is used to attach the diagonal braces for positioning the wall. This spacious space, up to 37 mm deep, on the rear side of the HFAM also serves as a screw-in space for longer support screws when performing flanging on mounting supports. If no such screw-in space were available, the longer screws would break off the concrete above the HFAM when screwed in, and this broken-off concrete would fall into the cavity between the concrete shells of the Double wall. Such disturbances could allow water to penetrate the Building.

- **Installation in solid walls**
- **Installation in sandwich panels**
- **For turning components during installation in the center of gravity**
- **Accessories for HFAM transport anchor system – System for recessed anchor installation**

BGW- Accessories for HFAM transport anchor system – System for recessed anchor installation

BGW- rope loop waisted

Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

When attaching the HFAM using the Rope loop, care must be taken to ensure that the specified load values of the Rope loops are not exceeded. The Rope loops of the load groups have the same load capacity for axial, diagonal, and transverse tension. The threaded piece of the Rope loop cannot be bent by oblique or transverse tension when attaching it to the installed HFAM. The threaded piece is subject to axial tension in every direction of tension.
The rope loop is screwed into the HFAM until it reaches the end of the smooth-running thread of the rope loop and rests on top of the HFAM.
There is a mark on the rope of the rope loop so that the correct screw-in depth can be seen visually.
If the load-bearing device cannot be easily screwed into the HFAM, a qualified slinger must check the reason for this and remedy it before use.

Please note:

The thread of the rope loop must always be screwed in as far as it will go. Rope loops must be replaced if the wire is broken, the thread is damaged, there are signs of crushing, corrosion scars, or buckling.
Inspection at least once a year by a competent person (UVV VBG 9a § 42).

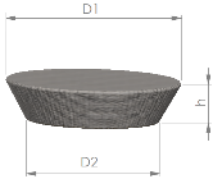
Item no.	Thread	Load level T Axial	Load level t Diagonal	Load level t Transverse pull	Height mm	Thread	PU piece	Weight	Price €/piece
0651S 455	M12	0,5	0,5	0,5	455	M12	50	0,162	11,05
0654S 455	M16	1,2	1,2	1,2	455	M16	50	0,291	14,30
0659S 455	M20	2,0	2,0	2,0	455	M20	50	0,452	20,15







BGW- Closing disc made of glass fiber concrete





Item no.	Ø D1 mm	Ø D2 mm	h1 mm	Weight kg	PU	Price €/piece
HFAMV	49	44	9	0,040	100	5,76

BGW- holding magnet HFAM - recess former

For installing HFAM anchors in concrete, for attaching the Transport anchors, and for removal using compressed air

These magnetic recessed bodies are required for installing the threaded transport anchor, the HFAM anchor. The thread of this innovative HFAM anchor is attached to the pin of this double-sided magnetic recessed body. The HFAM anchor adheres magnetically to this pin on its own. This adhesion is strong enough to allow it to be used in an automated feeding system.





This HM4-HFAM system, double-sided magnetic retaining discs, is available in different installation depths, which can be used to install the anchor in the concrete part. The recess body must be coated with a release agent.

The deeper the anchor is installed in the same concrete, the more the anchor supports, especially in double walls. The thickness of the available concrete shell should therefore be fully utilized.

Item no.	Ø Retaining disc mm	Height mm	Installation depth HFA mm	Ø Thread mm	Adhesive force retaining disc kg approx.	Adhesive force HFA side kg approx.	Weight kg/piece	Price €/piece
HM4-HFAM1250	50/45	10	50	M12	100	7	0,270	70,00
HM4-HFAM1260	50/45	10	60	M12	100	7	0,270	75,00
HM4-HFAM1270	50/45	10	70	M12	100	7	0,270	80,00
HM4-HFAM1280	50/45	10	80	M12	100	7	0,270	85,00
HM4-HFAM1650	50/45	10	50	M16	100	7	0,270	70,00
HM4-HFAM1660	50/45	10	60	M16	100	7	0,270	75,00
HM4-HFAM1670	50/45	10	70	M16	100	7	0,270	80,00
HM4-HFAM1680	50/45	10	80	M16	100	7	0,270	85,00
HM4-HFAM2080	50/45	10	80	M20	100	7	0,270	95,00

Magnetic recessed body ASK for BGW- HFAM



The HFAM anchor is turned on the recess body coated with formwork oil and placed on the steel formwork. Once the concrete has hardened, the recess body is unscrewed from the HFAM anchor using the Allen key.

Item no.	Ø retaining disc mm	Height mm	Installation depth HFA mm	Ø Thread mm	Adhesive force Retaining discs kg approx.	Weight kg/piece	Price €/piece
HM4-HFAMG1250	50/45	10	50	M12	100	0,270	70,00
HM4-HFAMG1260	50/45	10	60	M12	100	0,270	75,00
HM4-HFAMG1270	50/45	10	70	M12	100	0,270	80,00
HM4-HFAMG1280	50/45	10	80	M12	100	0,270	85,00
HM4-HFAMG1650	50/45	10	50	M16	100	0,270	70,00
HM4-HFAMG1660	50/45	10	60	M16	100	0,270	75,00
HM4-HFAMG1670	50/45	10	70	M16	100	0,270	80,00
HM4-HFAMG1680	50/45	10	80	M16	100	0,270	85,00
HM4-HFAMG2080	50/45	10	80	M20	100	0,270	95,00

BGW- transport loop - swivel coupling for the HFAM system

Our transport loop for the HFAM for lateral flanging
Examples: Wall discs, shaft components, pipes, etc.

The transport loops for the HFA transport anchor system are precisely matched to the recessed body of the HFA for the corresponding load level under tension Transport loops for the HFAM transport anchor system are precisely matched to the recessed body of the HFAM for the corresponding load level under tension 90° opposite the installed HFAM. The main parts of the transport loop are the matching rotary part for the recesses of the corresponding double-sided magnetic retaining discs. The hole, centered through the rotary part, is used for flanging to the HFAM in the component.

The slightly protruding 20 mm long centering cone on the rotating part is inserted into the opening in the concrete created by the double-sided magnetic Retaining discs and screwed to the already installed HFAM with the fastening screw. When tightening the fastening screw, make sure that the centering cone is completely seated in this opening and that the front flange of the rotating part is firmly against the concrete part.
The wire rope, which is inserted into a ring groove and pressed into an 8 shape with a rope press clamp, is used to attach another load-bearing device. Most of the tensile load on the wire rope is transferred to the concrete part via the flange and the centering cone.
This system is particularly well suited for turning pipes, for example for pressure testing, for lowering into the shaft during pipe jacking in jacking pipes, for transporting and installing pipes and shafts, and as a rotary coupling.

If the concrete used cannot withstand tensile forces due to its quality or if the edge distances to the direction of tension are insufficient, a stirrup reinforcement must be installed on the double-sided magnetic retaining disc, immediately after the magnetic plate, in the expected direction of tension.
The installed HFAM mainly serves as a fastening stop for the transport loop.
Grade 8.8 machine screws are used to fasten the transport screw to the HFAM.
The fastening screw must be screwed at least 25 mm deep into the HFAM.

BGW HFAM transport loops, Galvanised

Item no.	Load level t only 90 °	Flange diameter mm	Cone Ø mm	rope Ø mm	Height approx. mm	Weight kg approx.	PU piece	Price per piece
HFAM12G8	1,0	44x10	19x20	8	400	0,6	25	36,00
HFAM16G8	2,5	44x10	25x20	12	600	1,2	25	48,00
HFAM20G8	4,0	44x10	30x25	16	800	1,4	20	60,00



BGW- HFAMASW Load-bearing device for the installed anchor

HFAMASW
Can be used for axial pull, transverse pull, oblique pull, or as a rotary coupling.

The HFAMASW load-bearing device is currently available in three thread sizes and load levels: 1t M12; 2t M16 and 3t M20 .
The load levels are the same for axial pull and oblique pull. To avoid confusion, each load level has a different color.
The HFAMASW has a load-bearing capacity that can be adjusted in all directions by means of ball bearings and is always fully loadable.



http://www.bgw-bohr.de/video/202-03-01_Anschlagwirbel_HFAM.avi

To avoid confusion, the lifter does not fit into the recesses of another Load level.
The greased thread of the load receptor can be screwed into the cleaned thread of the installed HFAM by the slinger and tightened with the open-end wrench.
The lifter must sit flush on the recesses of the recess body.

Maintenance work:

The moving parts of the HFAMASW lifter must be protected from damage and contamination and must be greased.
The thread must be protected from damage.
Always ensure that the thread moves smoothly.
The slinger must visually inspect the HFAMASW load-bearing device before each slinging.
If there is any damage, it must be permanently destroyed.

Item no.	Weigh t M	Chain link	Outer Ø mm	Axial tension t	Angular transverse load t	Screw-in depth mm	Wrench size mm	Weight kg/piece	Price €/piece
HFAM12ASW	12	30x55	49	1	1	28	30	0,700	70,00
HFAM16ASW	16	30x55	49	2	2	28	30	0,700	78,00
HFAM20ASW	20	35X70	49	3	3	28	30	0;800	95;00



BGW- HFAMDWS Load suspension device for the installed anchor

Can be used for axial pull, transverse pull, oblique pull, or as a rotary coupling.



The HFAMDWS load-bearing device is currently available in three thread sizes and load levels: 1t M12; 2t M16 and 3t M20.
The load levels are the same for axial pull and oblique pull. To avoid confusion, each load level has a different color.
The lifter can be screwed in and out in just a few seconds using a cordless screwdriver.
The big advantage of this anchor system is that this load-bearing device can be screwed into and out of the Transport anchors in a matter of seconds using a cordless screwdriver and an 8 mm Allen key. Can be aligned in all directions thanks to its bearings (see video).
The lifter can also be fully loaded with transverse and diagonal tension.
To avoid confusion, the lifter does not fit into the recess of any other load level.
The greased thread of the load-bearing device can be screwed into the cleaned thread of the installed HFAM anchor by the slinger using a cordless screwdriver. It is important to ensure that the torque of the cordless screwdriver is set to match the lifter. The lifter must sit flush on the recesses of the recess body.



Maintenance work:

The moving parts of the HFAMADWS lifter must be protected from damage and contamination and must be greased.
The thread must be protected from damage.
Always ensure that the thread moves smoothly.
The slinger must visually inspect the HFAMADWS load-bearing device before each use.
If there is any damage, it must be permanently destroyed.

Item no.	Weight M	Chain link	Outer Ø mm	Axial tension t	Angular transverse load t	Screw-in depth mm	Wrench width Allen	Weight kg/piece	Price €/piece
HFAM12DWS	12	100x65	49	1	1	28	8	1,00	70,00
HFAM16DWS	16	100x65	49	2	2	28	8	1,00	78,00
HFAM20DWS	20	150x95	49	3	3	28	8	2,20	95,00

BGW- HFAMLB Load-bearing device for the built-in anchor

Can be used for axial pull, transverse pull, oblique pull, or as a rotary coupling.
The HFAMLB load-bearing device is currently available in three thread sizes and load levels: 1t M12, 2t M16, and 3t M20.
The load levels are the same for axial pull and oblique pull. To avoid confusion, each load level has a different color.
The lifter can be screwed in and out in just a few seconds using a cordless screwdriver.
The big advantage of this anchor system is that this load-bearing device can be screwed into and out of the Transport anchors in seconds using a cordless screwdriver and an 8 mm Allen key. Can be aligned in all directions due to its bearing (see video). The lifter can also be fully loaded with transverse and diagonal tension. To avoid confusion, the lifter does not fit into the recesses of another load level.



The greased thread of the load-bearing device can be screwed into the cleaned thread of the built-in HFAM anchor by the slinger using a cordless screwdriver.
It is important to ensure that the torque setting on the cordless screwdriver matches that of the lifter.
The lifter must sit flat on the recesses of the recess body.



Maintenance work:

The moving parts of the HFAMLB lifter must be protected from damage and contamination and must be greased. The thread must be protected from damage.
Always ensure that the thread moves smoothly.
The slinger must visually inspect the HFAMLB load-bearing device before each slinging.
If there is any damage, it must be permanently destroyed.

Item no.	Weigh t M	Chain link	Outer Ø mm	Axial tension t	Angular transver se load t	Screw-in depth mm	Wrench size Allen	Weight kg/piece	Price €/piece
HFAM12LB	12		49	1	1	28		1,00	70,00
HFAM16LB	16		49	2	2	28		1,00	78,00
HFAM20LB	20		49	3	3	28		2,20	95,00



These HFAMs can then also be used as a better alternative to Transport anchors for double walls. To achieve this, they are installed on both sides of the double wall.

Screw

The screw with dirt chambers is an improved product compared to standard DIN screws.

Thread M	Length mm
12	110
16	110

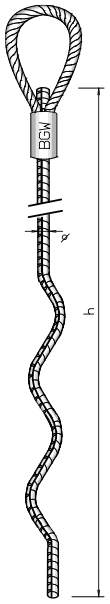
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Masonry anchors, crutch anchors and liapor anchors

Tensile tests: http://www.bgw-bohr.de/pdf/Zugversuche_Mauerwerksanker.pdf

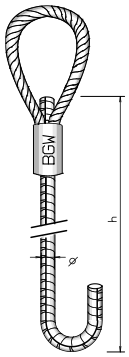
Masonry anchors

The BST 500 S material with pressed-on Rope loop made of Galvanised steel cable is specially for transporting prefabricated Masonry and Liapor products.
The anchor lengths can be modified to suit your specific installation requirements on request.



Masonry anchors – Version mit corrugiertem Design

Item no.	Load level kg	Height h mm	Price €/piece	Weight kg
4000	1200	2600	1,84	1,22
4002	1500	2600	2,30	1,74
4004	2300	2600	2,66	2,45
4006	3200	2600	3,99	3,48
4008	4000	2600	4,70	4,55
4010	4000	2000	4,40	3,88

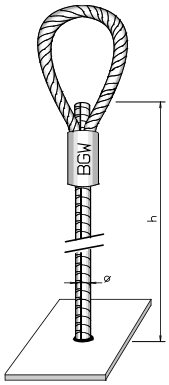


Masonry anchor – Version "Krückstock"

Item no.	Load level kg	Height h mm	Price €/piece
4020	1200	2600	1,84
4022	1500	2600	2,30
4024	2300	2600	2,66
4026	3200	2600	3,99
4028	4000	2600	4,70
4027	4000	2000	4,55

Liapor anchor with welded base plate for load bearing

The anchor lengths and the size of the base plate can be modified to suit your specific installation requirements. Additional welded parts available on request.

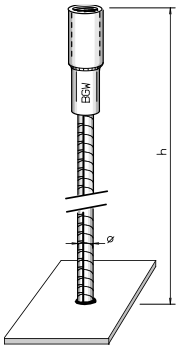


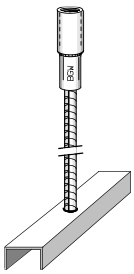
Liapor anchor with Rope loop and welded base plate

Item no.	Load level kg	Height h mm	Price €/piece
4760	1200	1000	on request
4762	1500	1000	
4764	2300	1000	
4766	3200	1000	
4768	4000	1000	

Liapor anchor with threaded sleeve and welded base plate

Item no.	Load level kg	Thread Rd	Height h mm	Price €/piece
4720	1200	16	1000	on request
4722	1600	18	1000	
4724	2000	20	1000	
4726	2500	24	1000	
4728	4000	30	1000	
4730	6300	36	1000	





Variant
with U-profile
on request

BGW- transport anchor system for prefabricated masonry – reusable





Installation description: System for transporting prefabricated brick walls, e.g., Rebloc
A hole with a minimum diameter of 25 mm is drilled into the front of the brick from above, centered, to the middle of the lower brick. Where the long, deep hole ends in the center of the last, bottom brick, a hole with a diameter of 45 mm is also drilled through the wall – this connects to the hole from above.
To transport the wall, the transport anchor rod with the pressed-on wire rope loop is pushed from above to the bottom of the deep hole.
The loop at the bottom of the transport anchor rod must be visible at the bottom of the cross hole and be eyelet-shaped so that the cross pin can be inserted through it.
All transport anchor rods must be the same length.
The highest wall determines the length of the transport anchor rod.

This mandrel is secured by both sides so that it cannot slip out of the brick wall and thus out of the Rope loop at the bottom of the transport anchor rod.

On the opposite side of the transport anchor rod, there is either a wire rope loop, as at the bottom of the brick wall, or a threaded sleeve into which a Load-bearing device can be screwed for attachment to a Load-bearing device.

Transport anchors

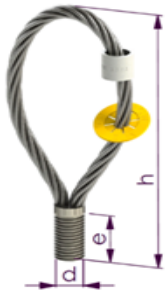
Item no.	Load stage t	Length of transport anchor rod mm	Material BSt 500 Ø transport anchor rod	Rope loop pressed on at bottom Ø mm	Rope loop bottom and top mm	Threaded sleeve top Rd	Weight kg piece	PU piece	Price € piece
0841	0,8	2700	10	7 x 160	7 x 160		1,9	100	5,70
0842	1,2	2700	12	8 x 160	8 x 160		2,5	100	7,50
0843	0,8	2700	10	7 x 160		Rd14	1,9	100	6,70
0844	1,2	2700	12	8 x 160		Rd16	2,5	100	8,50

Cross mandrel Ø 28 mm complete with side hole for folding pin

Item no.	Load group t	Effective length mm	Weight kg Piece	PU piece	Price € piece
4491	0,8 – 1,2	250	1,5	10	15
4492	0,8 – 1,2	350	2,0	10	16
4493	0,8 – 1,2	400	2,5	10	18
4494	0,8 – 1,2	450	2,7	10	19

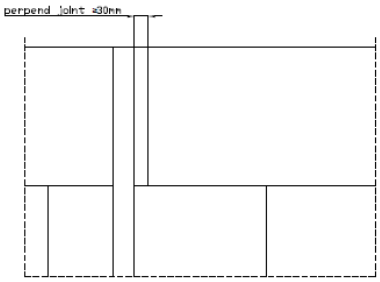
BGW- Rope loops for screwing into the threaded sleeve

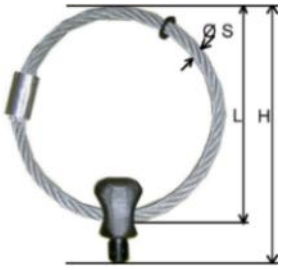
Item no.	Rd thread	Rope Ø/mm	Color Data ring	Load level t Axial	-45° Diagonal pull	+45° -60° Diagonal pull	Weight kg	Height mm	PU piece	Price €/piece
0652	Rd14	7	Pure white	0,8	0,54	0,4	0,080	155	25	4,19
0654	Rd16	8	fire red	1,2	0,8	0,6	0,134	155	25	5,78

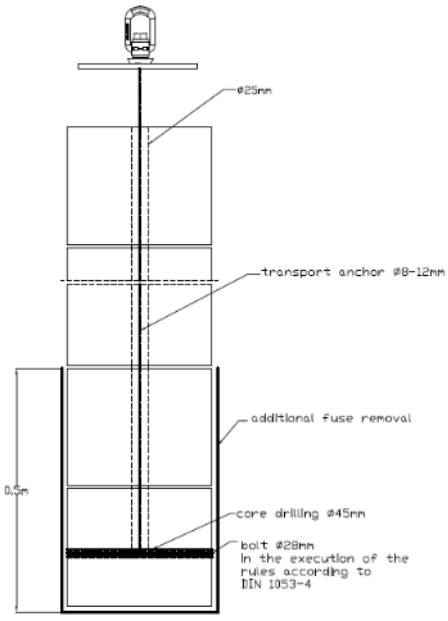


BGW- rope loop type Goliath for screwing into the threaded sleeve

Item no.	Rd thread	Ge weight kg	Color Data ring	Load level t Axial	-45° Angle -pull	+45° -60 Angled pull	Height H mm	Ø S rope mm	Ø Mounting Positioning surface a/mm	Ø L mm	PU piece	Price €/piece
0652G	Goliath Rd14	0,304	Pure white	0,8	0,54	0,4		8	25		10	
0654G	Goliath Rd16	0,316	fire red	1,2	0,8	0,6	215	8	25	170	10	23,52





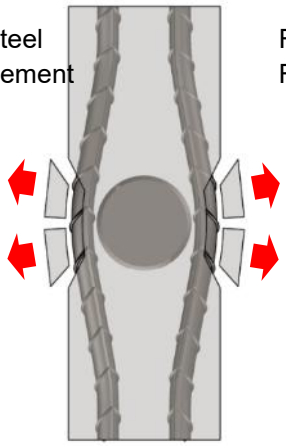




BGW- FBA transport anchor with flat steel reinforcement for thin walls

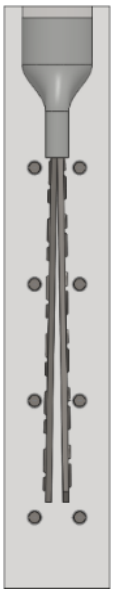
The BGW- FBA transport anchor with flat steel reinforcement is particularly suitable where there is no space for conventional transport anchors between the reinforcement of the precast concrete element. This is especially true for thin walls and large cross-sections of the load-bearing reinforcement. Due to the geometry of the flat steel, the anchor and the Reinforcement do not interfere with each other. This allows for more Concrete cover, so that the minimum Concrete cover permitted by DIN EN 1992 can also be maintained with thin walls.

Round steel Reinforcement



Flat steel Reinforcement







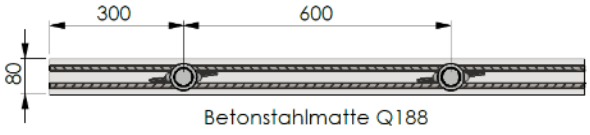


The transport anchors consist of a threaded sleeve into which a corresponding load-bearing device is screwed, as well as flat steel reinforcement through which the anchor is anchored in the concrete. The steel cross-section of the flat steel reinforcement depends on the corresponding load level of the transport anchor.
Another advantage is the larger contact area between the concrete and the anchor. This achieves better force distribution in the concrete than with anchors with Reinforcing bars of the same cross-section. For this reason, the BGW transport anchor with flat steel reinforcement also offers the greatest possible resistance to pulling out or tearing out.
In addition, there is better rust protection due to the higher concrete cover in the anchor area.
The shape and surface texture of the flat steel reinforcement are decisive for secure anchoring in concrete. For this reason, the surface of the flat steel reinforcement is ribbed. The shape of the flat steel reinforcement is conical towards the threaded sleeve.

Advantages:
Compliance with permissible Concrete cover for thin walls in accordance with DIN EN 1992
Higher load-bearing capacity due to larger contact area of larger size
Greater safety during transport due to greater Concrete cover
Superior anchoring in concrete
Better rust protection due to higher concrete cover in the anchor area

Before installation, the threaded sleeve should be closed with a sealing plug. The concrete grade must be at least C25/30. The tensile direction is axial (linear to the anchor).

Anchor spacing in concrete

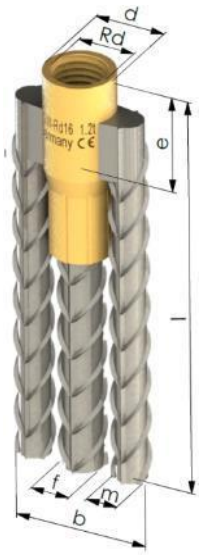


BGW- Transport anchors with flat reinforcement anchors FBA

Item no.	Load level t	Thread Rd	Thread length e mm	Sleeve Ø d mm	Length L mm	Flat steel Width b mm	Flat steel Thickness hmm	Distance f/mmm	Weight kg	Price €/piece
0116FBA	4	30	56	38	500	45	4	5	1,85	9,83
0120FBA	6,3	36	69	48	650	56	5	5	3,80	16,67
0124FBA	8	42	80	54	800	71	5	5	5,60	24,12

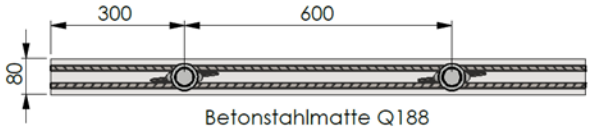
BGW- bar anchor reinforced

Similar to BGW- flat reinforcement anchors, BGW- bar anchors reinforced are particularly suitable for installation in thin concrete components.
In order to achieve the steel load rating of the transport anchors, additional load-bearing Reinforcing bars are welded to the side of the threaded sleeve with pressed-in Reinforcement. By dividing the steel cross-section over several anchor bars, the anchoring surface of the anchor bars in the concrete is increased, which increases the load capacity for the same anchor width.



Before installation, the threaded sleeve should be closed with a sealing plug.
The concrete grade must be at least C25/30. The tensile direction is axial (linear to the anchor).

Anchor spacing in concrete



BGW- bar anchor reinforced

Item no.	Load Level t	Thread Rd	Thread length e mm	Sleeve Ø d mm	Length L mm	Pressed-in center Bar Ø f mm	Welded outer Bar Ø m mm	Weight kg	Price €/piece
0116V	4	30	56	38	500	14	12	2,20	10,20
0120V	6,3	36	69	48	650	16	12	3,40	16,20
0124V	8	42	80	54	800	20	14	5,60	24,30

BGW- spacers / pressure plate for threaded anchors

The purpose of this spacer is to ensure that the transport anchor is recessed in the concrete after stripping. The transport anchor is fastened from the outside with a screw that passes through the formwork and the spacer.

EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW- Spacers_all load levels.pdf

Item no.	Thread	Concrete Coverage mm	Ø D1 mm	Ø D2 mm	PU piece	Weight kg/piece	Price €/piece
090140D	M10	10	40	30	10	0,090	8,50
090040D	M12	10	40	30	10	0,065	8,50
0904D	M16	10	55	45	10	0,136	13,60
0908D	M20	10	55	45	10	0,127	13,60
0910D	M24	10	55	45	10	0,116	13,60
0912D	M30	10	70	60	10	0,200	20,00
0914D	M36	10	70	60	10	0,180	20,00
0916D	M42	10	96	86	10	0,385	39,00
0918D	M52	10	96	86	10	0,326	39,00





BGW- sleeve ring anchor

BGW- sleeve ring anchor – Ready-to-install lifiting socket



The sleeve ring anchor is delivered ready for installation. This means that the worker does not have to bend any Reinforcement, as this responsibility has been taken off their hands.
Because the sleeve ring anchor is delivered with the Reinforcement completely ready for installation, the anchor costs can also be calculated with certainty.
The BGW- sleeve ring anchor can be installed in precast concrete elements with a low installation height. The reinforcement ring around this threaded sleeve ensures that the tensile load on the thread is transferred to a large area of the component.

BGW- holding magnets type HM4 are recommended for fixing to steel formwork. To ensure that the anchor is correctly seated when installed, BGW retaining discs or BGW recessed bodies with markings must be used. BGW data clips with side claws are used to fix additional diagonal reinforcement.

Plastic sealing plugs or retaining discs are used to prevent dirt and concrete from entering the thread of the sleeve.
Installation instructions: https://www.bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf

For your information:

The specifications for the metal load capacity of BGW cross hole sleeves were first verified on January 24, 1990, by test report M-No. B 1031/89 LGA Bavaria.

Patent application BGW- sleeve ring anchor:
https://www.bgw-bohr.de/pdf/Patentanmeldung_Huelsenringanker.pdf
Image documentation BGW- sleeve ring anchor:
https://www.bgw-bohr.de/pdf/Bilddokumentation_Huelsenringanker.pdf

Tensile tests were carried out in accordance with DIN 50145, and the tensile load, which was four times the nominal load, did not cause any change to the sleeve. This is still monitored today through tests carried out in our own laboratory.

BGW Sleeve ring anchor

Item no.	Load group t	Thread + height approx. mm	Ring Ø approx.	Ø BST reinforcement	Thread depth mm	Packaging Piece	Weight kg	Price €/piece
0004R	1,2	Rd16 x 54	50	6	27	250	0,110	3,02
0005R	2,0	Rd20 x 70	80	8	35	150	0,278	4,45
0006R	2,5	Rd24 x 80	100	10	43	100	0,495	5,98
0008R	4,0	Rd30x100	150	12	56	50	0,930	10,86

's breakaway attempt:





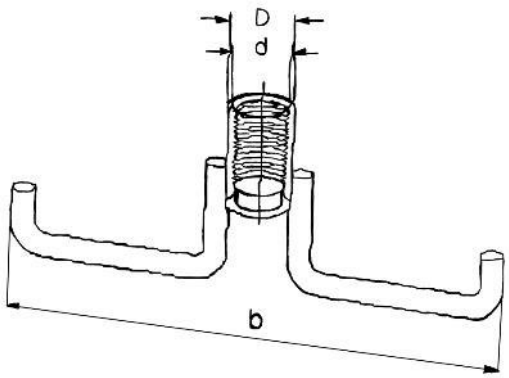
BGW- toggle anchor

BGW- toggle anchors are Transport anchors that are incorporated into the Reinforcement of precast concrete elements with a low construction height. Transport forces are thus absorbed by the Reinforcement.



Item no.	Load level t	Type d x h	D Ø	Leg length mm b	Weight kg/piece	Price €/piece
05008-RD12	0,5	Rd 12 x 175	16	315	0,115	5,60
05008-RD14	0,8	Rd 14 x 200	18	320	0,200	6,50
05008-RD16	1,2	Rd 16 x 200	21	320	0,310	7,20
05008-RD18	1,6	Rd 18 x 250	24	325	0,350	8,00
05008-RD20	2,0	Rd 20 x 250	26,9	370	0,560	9,00
05008-RD24	2,5	Rd 24 x 300	31	370	0,580	10,40
05008-RD30	4,0	Rd 30 x 350	38	380	0,930	18,70
05008-RD36	6,3	Rd 36 x 400	47	430	1,490	25,50
05008-RD42	8,0	Rd 42 x 450	54	430	1,960	26,30
05008-RD52	12,5	Rd 52 x 500	63,5	500	3,720	62,30





Marking of threaded transport anchors



BGW data ring

BGW data rings are used for the marking of threaded transport anchors after installation (see safety rules BGR 106). The BGW data ring is made of different colored plastic. The color of the BGW data ring for the threaded transport anchor corresponds to the color marking of the load-bearing device (Rope loop).

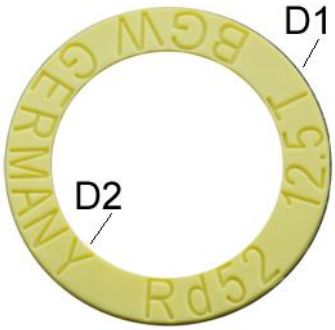
Installation and usage instructions:

The BGW data ring is an important component of the BGW threaded transport anchor system and is used for the marking of threaded transport anchors after installation. The data ring, which is conical in its outer diameter, is placed between the transport anchor and the Retaining discs. The Retaining discs secure the transport anchor during the concreting process. They can be made of plastic or steel or be magnetic. When concreting, the lettering on the data ring must face the retaining disc. The retaining disc and the data ring are screwed firmly to the anchor. After the precast concrete element has been stripped and the retaining disc removed, the technical values of the concreted transport anchor are clearly legible on the data ring.
Once the concrete component has been installed, a plastic part in the concrete is only a nuisance. For this reason, the data ring can be easily removed from the concrete with a tool such as a screwdriver.

For each load level

Item no.	Thread M/Rd	Color	RAL	D1/ mm	D2/ mm	Weight kg/100 pcs.	PU piece	Price €/ 100 pcs.
56951	12	Pastel orange	2003	21	12	0,04	100	10,00
56953	14	Pure white	9010	25	14	0,05	100	11,00
56954	16	Fire red	3000	27	17	0,06	100	12,00
56955	18	Light pink	3015	31	19	0,08	100	12,00
56956	20	White-green	6019	33	21	0,10	100	13,00
56957	24	Anthracite gray	7016	38	26	0,12	100	20,00
56958	30	Emerald green	6001	48	32	0,17	100	24,00
56959	36	Light blue	5012	54	38	0,22	100	31,00
56971	42	Silver gray	7001	59	44	0,27	100	43,00
56972	52	Sulphur yellow	1016	76	54	0,44	100	84,00







Marking of threaded transport anchors

BGW- Data clip



BGW data clips are used to clearly identify the anchor type, Load level, and Manufacturer of threaded transport anchors in accordance with the safety regulations of BGR 106. The BGW data clip is made of different colored plastic. The color of the BGW data clip for the threaded transport anchor corresponds to the color coding of the load-bearing device. Furthermore, the diameter that the diagonal tension reinforcement must have in order to be fixed is noted on the data clip.

Installation and usage instructions:



The BGW data clip is an important component of the BGW threaded transport anchor system and is used for the marking of threaded transport anchors after installation. The data clip is pressed onto the sleeve of the transport anchor. The retaining discs secure the transport anchors during the concreting process. The retaining disc and the data clip are screwed tightly to the anchor. After the precast concrete element has been stripped and the retaining disc removed, the technical values of the embedded transport anchor are clearly legible on the data clip. The open claws of the BGW data clip are used to attach steel reinforcement to the transport anchor. To do this, the diagonal reinforcement is simply attached to the transport anchor sleeve in the side retaining claws without much time and effort. To prevent it from folding over, the diagonal reinforcement should be fixed at the free end. The same applies to the transverse reinforcement. This prevents the reinforcement from drifting sideways.

Item No.	Anchor Type	Ø Bst. 500S mm	Color	RAL	Load level t	Weight kg / PU	PU	Price EUR / 100 pcs
569511	Rd12	6	Pastel orange	2003	0,5	0,12	100	15,00
569531	Rd14	6	Pure white	9010	0,8	0,15	100	16,00
569541	Rd16	8	Fire Red	3000	1,2	0,18	100	18,00
569551	Rd18	8	Light pink	3015	1,6	0,31	100	18,00
569561	Rd20	8	White-green	6019	2,0	0,33	100	20,00
569571	Rd24	10	Anthracite gray	7016	2,5	0,36	100	30,00
569581	Rd30	12	Emerald green	6001	4,0	0,87	100	34,00
569591	Rd36	14	Light blue	5012	6,3	1,20	100	45,00
569711	Rd42	16	Silver gray	7001	8,0	1,35	100	65,00
569721	Rd52	20	Sulphur yellow	1016	12,5	2,25	100	115,00





BGW- universal lifter U1 = lifting swivel and U2 = load block for Threaded anchors – For diagonal and transverse pull

Our BGW universal lifting hooks U1 and U2 for our BGW threaded transport anchors have a number of key useful features. The most notable advantages are convenient, time-saving, and effortless attachment of the threaded transport anchors in the precast concrete element.



All universal lifters can be attached with a single tool. All load levels of the U1 and U2 series lifters, from 12 mm to 42 mm threads, have the same tool holder, the 10 mm Allen key, for screwing the lifter into the threaded transport anchor. This is a major advantage in the precast plant and even more so during loading and on the construction site when assembling the components.

The U1 and U2 universal lifters can be attached to the threaded transport anchor in the component in the precast plant and during assembly using a screwdriver (cordless screwdriver). The machine screws a U1 or U2 universal lifter into the built-in threaded anchors 6 times faster than a worker can screw a rope loop or swivel into the threaded transport anchor by hand. The same applies when unscrewing. It is almost as fast as using a coupling system. Attaching the anchor using the machine also reduces strain on the worker's wrists. The machines and bags for the machines are available for purchase from us.

This saves a lot of time and hassle if the thread in the transporter has been damaged or contaminated, or if ice and snow have clogged the thread flanks, rendering the thread unusable and requiring reworking.
The threaded part of the U1N and U2N universal lifters is shaped like a thread recutter. When the universal lifter is screwed in, the damaged, dirty thread is made usable again at the same time. This universal lifter reworks the thread in a single operation at virtually no cost.
For this reason, the threaded part of the U1N and U2N universal extractors should be kept wet with thread cutting oil. You can purchase this special oil from us. If the threaded part of the universal extractor is damaged, we will rework it for you.

On construction sites, the problem often arises that the components come from different manufacturers, and each manufacturer may have used different recesses for fastening the threaded transport anchors during installation. As a result, the pressure plates of the lifters may not fit into the existing recesses because their size is too large or too small. The pressure plates of the universal lifters are interchangeable and can always be adapted to the recesses of the nail plates, retaining discs, etc. used. This ensures that the lifter is screwed onto the Threaded anchors with a secure fit, always has the correct support on the component in the event of diagonal and transverse tension, and that the thread is always screwed deep enough into the threaded transport anchor. The pressure plates can be purchased from us according to your specifications.

Safety note:

The lifter must always sit flat, at a right angle to the Threaded anchors and at a right angle to the concrete. If the lifter is not level and tightly fastened, pressing against the threaded sleeve and the concrete surface, there is a risk that the thread of the lifter will be curved and then break off if subjected to repeated diagonal tension. The installation instructions for the BGW threaded transport anchor must be observed.

Application notes:

The contact surface must be flat (level).
Tighten hand-tight with a DIN 695, 894 wrench
Observe accident prevention regulations VBG 9a § 42
Swivel suitable for M and Rd sleeves

Technical description at https://www.bgw-bohr.de/pdf/BGW- bohr-Anschlagwirbel_technische_Beschreibung.pdf
Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pd f

BGW- universal lifter U1 = lifting swivel and U2 = load block for threaded anchors

BGW- Universal lifter U1 = stop swivel with minimum distance (lever) to Threaded anchors

M thread		Rd thread						
Item no.	Thread M x thread length mm	Item no.	Thread Rd x thread length mm	Load level 90° t	Load level Axial t	Weight approx. kg	Pressure plate Ø mm	Price €/piece M/Rd
0603U1	M12	0690U1	Rd12					
0606U1	M16 x 36	0691U1	Rd16 x 36	1,25	2,0	0,500	34	100
0610U1	M20 x 51	0693U1	Rd20 x 51	2,0	4,0	1,000	52	120
0612U1	M24 x 51	0694U1	Rd24 x 51	3,15	6,3	1,500	52	150
0614U1	M30 x 58	0695U1	Rd30 x 58	5,3	10,6	2,000	68	220
0616U1	M36 x 66	0696U1	Rd36 x 66	8,0	11,8	3,500	68	240
0618U1	M42 x 75	0697U1	Rd42 x 75	10	15	4,000	68	400
0620U1	M52 x 75	0698U1	Rd52 x 75	10	15	5,000	68	900



BGW- Universal lifter U2 = Load block minimum distance to Threaded anchors

M thread		Rd thread						
Item no.	Thread M x thread length mm	Item no.	Thread Rd x thread length mm	Load level 90° t	Load level Axial t	Weight approx. kg	Pressure plate Ø mm	Price €/piece M/round
0603U2	M12	0690U2	Rd12					
0606U2	M16 x 36	0691U2	Rd16 x 36	1,25	2,0	0,500	31	100
0610U2	M20 x 41	0693U2	Rd20 x 41	2,0	4,0	1,000	45	120
0612U2	M24 x 48	0694U2	Rd24 x 48	3,15	6,3	1,500	45	150
0614U2	M30 x 60	0695U2	Rd30 x 60	5,3	10,6	2,000	60	220
0616U2	M36 x 62	0696U2	Rd36 x 62	8,0	11,8	3,500	60	240
0618U2	M42 x 73	0697U2	Rd42 x 73	10	15	4,000	98	400
0620U2	M52 x 73	0698U2	Rd52 x 73	10	15	5,000	98	900

EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW-Universalabheber_Lastbock_alleLaststufen.pdf
Technical description at https://www.bgw-bohr.de/pdf/BGW- drilling-swivel_technical_description.pdf

BGW- universal lifter U1 = lifting swivel and U2 = load block for threaded anchors

Technical description at https://www.bgw-bohr.de/pdf/BGW- bohr-Anschlagwirbel_technische_Beschreibung.pdf

BGW- Thread cutting oil

Item no.	Price €/l
80022	35

BGW- Universal lifter U1 with reworking function

M thread		Rd thread						
Item no.	Thread M x weight Length mm	Item no.	Thread M x thread length mm	Load level 90° t	Load level Axial t	Weight approx. kg	Pressure plate Ø mm	Price €/piece M/Rd
0603U1N	M12	0690U1N	Rd12					
0606U1N	M16 x 36	0691U1N	Rd16 x 36	1,25	2,0	0,500	34	110
0610U1N	M20 x 51	0693U1N	Rd20 x 51	2,0	4,0	1,000	52	132
0612U1N	M24 x 51	0694U1N	Rd24 x 51	3,15	6,3	1,500	52	165
0614U1N	M30 x 58	0695U1N	Rd30 x 58	5,3	10,6	2,000	68	242
0616U1N	M36 x 66	0696U1N	Rd36 x 66	8,0	11,8	3,500	68	264
0618U1N	M42 x 75	0697U1N	Rd42 x 75	10	15	4,000	68	440
0620U1N	M52 x 75	0698U1N	Rd52 x 75	10	15	5,000	68	990





EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW-Universalabheber_Lastbock_alleLaststufen.pdf

BGW- universal lifter U1 = lifting swivel and U2 = load block for threaded anchors

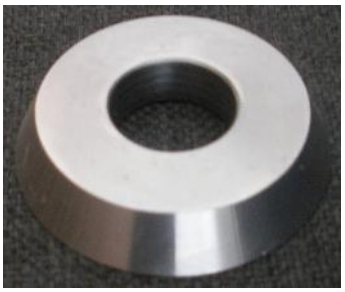
BGW- Universal lifter U2 with reworking function

M thread		Rd thread						
Item no.	Thread M x Weight Length mm	Item no.	Thread M x thread length mm	Load level 90° t	Load level Axial t	Weight approx. kg	Pressure plate Ø mm	Price €/piece M/Rd
0603U2N	M12	0690U2N	Rd12					
0606U2N	M16 x 36	0691U2N	Rd16 x 36	1,25	2,0	0,500	31	110
0610U2N	M20 x 51	0693U2N	Rd20 x 51	2,0	4,0	1,000	45	132
0612U2N	M24 x 51	0694U2N	Rd24 x 51	3,15	6,3	1,500	45	165
0614U2N	M30 x 58	0695U2N	Rd30 x 58	5,3	10,6	2,000	60	242
0616U2N	M36 x 66	0696U2N	Rd36 x 66	8,0	11,8	3,500	60	264
0618U2N	M42 x 75	0697U2N	Rd42 x 75	10	15	4,000	98	440
0620U2N	M52 x 75	0698U2N	Rd52 x 75	10	15	5,000	98	990



BGW- spacers / pressure plate for threaded anchors

Item no.	Thread	Concrete Cover mm	Ø D1 mm	Ø D2 mm	PU piece	Weight kg/piece	Price €/piece
090040D	M12	10	40	30	10		
0904D	M16	10	55	45	10	0,136	13,60
0908D	M20	10	55	45	10	0,127	13,60
0910D	M24	10	55	45	10	0,116	13,60
0912D	M30	10	70	60	10	0,200	20,00
0914D	M36	10	70	60	10	0,180	20,00
0916D	M42	10	96	86	10	0,385	39,00
0918D	M52	10	96	86	10	0,326	39,00



EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW-Universalabheber_Lastbock_alleLaststufen.pdf
Technical description at https://www.bgw-bohr.de/pdf/BGW- bohr-Anschlagwirbel_technische_Beschreibung.pdf

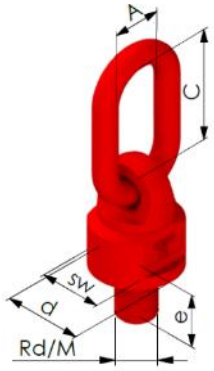
BGW- lifting swivel (AW) - for diagonal and transverse tension

Features:

- Compact and lightweight design
- Robust, stable, durable
- Ball bearing swivel joint
- Low space requirement
- Quick installation
- No alignment in the direction of pull, as the mounting member can be rotated into the correct position



EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW-Universalabheber_Anschlagwirbel_alleLaststufen.pdf
Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf



Application instructions:

- The contact surface must be flat
- Tighten hand-tight with a DIN 695, 894 wrench
- Observe accident prevention regulations VBG 9a § 42
- Swivel suitable for M and Rd sleeves

The values can be found in the inclined pull table shown.

M thread		Rd thread					Load limit / t at:						
Item no.	Thread M	Item no.	Thread Rd	Load stage t	Color Data ring	Outer Ø dmm	90	0	e mm	Key width sw	Chain link AxC mm	Weigh t kg	Price €/ piece
0600	M10	-	-	0,30		36,0	0,45	0,9	19	30	30 x 55	0,509	37,02
0602	M12	0689	Rd12	0,50	Pastellorange	36,0	0,50	1,0	19	30	30 x 55	0,468	39,32
-	-	06891	Rd12	0,50	Pastellorange	36,0	0,50	1,0	19	30	51 x 95	0,600	39,32
0604	M14	0690	Rd14	0,80	Reinweiß	36,0	0,50	1,0	21	30	30 x 55	0,478	42,23
0606	M16	0691	Rd16	1,20	Feuerrot	36,0	1,25	2,0	21	30	30 x 55	0,485	47,14
0607	M16	06911	Rd16	1,25	Feuerrot	36,0	1,25	2,0	21	30	60 x 110	0,666	47,14
0608	M18	0692	Rd18	1,60	Hellrosa	50,0	1,25	2,0	31	30	30 x 55	0,503	52,66
0610	M20	0693	Rd20	2,00	Weißgrün	50,0	2,00	4,0	31	30	35 x 70	0,936	61,61
-	-	06931	Rd20	2,00	Weißgrün	50,0	2,00	4,0	31	30	60 x 110	1,152	61,61
0612	M24	0694	Rd24	2,50	Anthrazitgrau	57,0	3,15	6,3	35	46	40 x 85	1,493	64,68
-	-	06941	Rd24	2,50	Anthrazitgrau	57,0	3,15	6,3	35	46	75 x 135	1,756	64,68
0614	M30	0695	Rd30	4,00	Smaragdgrün	66,0	5,30	10,6	45	46	40 x 85	2,297	91,27
-	-	06951	Rd30	4,00	Smaragdgrün	66,0	5,30	10,6	45	46	75 x 135	3,750	91,27
0616	M36	0696	Rd36	6,30	Lichtblau	80,0	8,00	11,8	54	65	50 x 115	3,758	201,0
0618	M42	0697	Rd42	8,00	Silbergrau	80,0	10,00	15,0	62	65	50 x 115	4,130	320,0
-	-	06971	Rd42	8,00	Silbergrau	80,0	10,00	15,0	62	65	75 x 135	5,900	320,0
0620	M52	0698	Rd52	12,50	Schwefelgelb	80,0	10,00	15,0	68	65	50 x 115	4,710	437,5

Subject to design changes

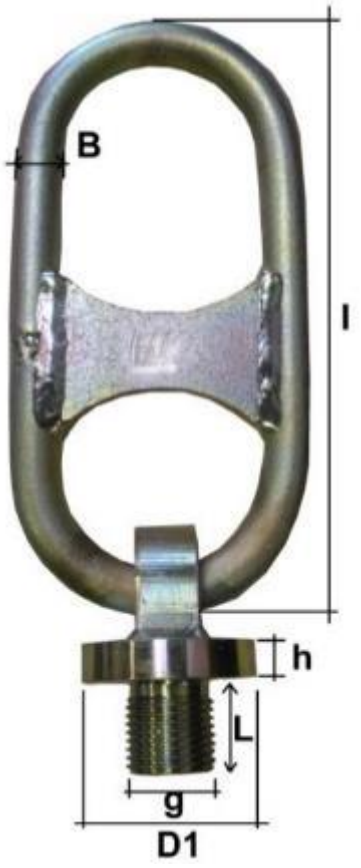
BGW- lifter for threaded anchors

Safety note:

The lifter must always be placed flat, at a right angle to the Threaded anchors and at right angles to the concrete. If the lifter is not level and tightened securely, on the threaded sleeve and the concrete surface, there is a risk that repeated oblique pulling will curve the thread of the lifter and it will then break off. The installation instructions for BGW straight bar anchors must be observed.

EC Conf.: https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW-Abheber_für_Gewindeanker_alleLaststufen.pdf
Expert opinion on the conditions of use for BGW transport anchor systems: https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

Item no.	Load level t	Thread /mm	Ø stirrups B mm	L x g /mm	D1 /mm	h /mm	l /mm	Weight kg	Price €/piece
P-0218-52	12,5	Rd52	36	60 x 52	120	25	430	7,990	500,00
P-0273	15,0	Rd56	36	60 x 56	120	25	430	15,000	500,00
P-0218-60	20,0	Rd60	36	60 x 60	120	25	430	7,990	500,00
P-0218-1	22,0	Rd48	36	60 x 48	120	25	430	14,400	500,00



BGW- Transport loops system (TS) – TPS system – Slinging equipment



BGW- Transport loops are used for lateral attachment to shaft structures, cisterns, etc. in built-in Threaded anchors. Lateral attachment also changes the load-bearing behavior of the built-in Threaded anchors, even if these Threaded anchors are marked with a different or lower load.
In such cases, the load specified on the transport loops, with the permanently installed screw, is always the nominal load of the installed Threaded anchors.
The changing load behavior of the threaded anchors installed in the component when using the transport loops can also be found in the tables here.
Transport loops are also available from us in different rope lengths.
The transport loops have a color-coded data carrier on which the Manufacturer, type, and load level are indicated.
Transport loops without data carriers may no longer be used due to the lack of traceability.

BGW- Transport loop with permanent screw

BGW- Transport loop with permanently rotatable, captive DIN hexagon screws with DIN washers under the screw heads in the holes of the transport loops. The DIN hexagon screw has been permanently secured using a specially developed press-in washer. The thread length and thread protrusion correspond approximately to the possible screw-in depth in Threaded anchors.
Other rope lengths available on request.

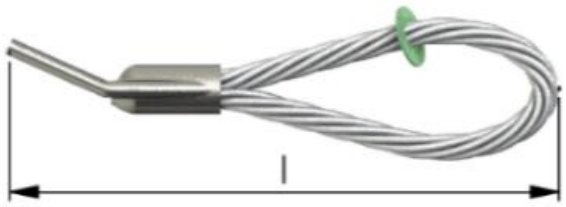
Item no.	Load level t	Color Data ring	For threads M/Rd	Usable thread protrusion mm	Total length L mm	Weight kg	Price €/piece
0681D	2,0	White-green	16	25	280	0,442	8,80
0682D	4,0	Emerald green	24	43	310	1,464	14,50
0683D	5,2	Curry yellow	30	56	390	2,375	27,80
06831D	6,3	Light blue	36	69	525	3,326	39,00

BGW- Transport loop

Additional rope lengths available on request.

Item no.	Load level t	Color Data ring	For threads M/Rd	Total length L mm	Weight kg	Price €/piece
0681	2,0	White-green	16	280	0,350	5,35
0682	4,0	Emerald green	24	310	1,220	7,25
0683	5,2	Curry yellow	30	390	1,832	13,75
06831	6,3	Light blue	36	525	2,336	18,49





BGW- transport loop system (TS) – TPS system – Hexagonal screws and transport loop anchors

Hexagon screws

Item no.	Hexagon screw d x h	Weight kg	Price €/piece
562430	M16 x 40 mm	0,092	0,42
56932	M24 x 40 mm	0,244	1,79
56914	M24 x 50 mm	0,270	1.95
562433	M30 x 60 mm	0,543	5,85
569036	M36 x 80 mm	0,990	9,30



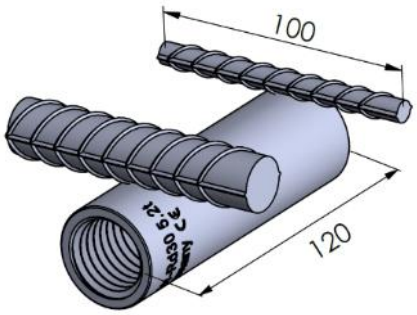
RD 16 & 24

BGW- Transport loop anchor – Galvanised sleeve

Item no.	Load level t	Type d x h	PU piece	Price €/piece
0681A	2,0	Rd16 x 95	100	3,60
0682A	4,0	Rd24 x 110	50	5,40
0683A	5,2	Rd30 x 120	25	9,50
0364	6,3	Rd36 x 80	10	8,39



RD 36



RD 30

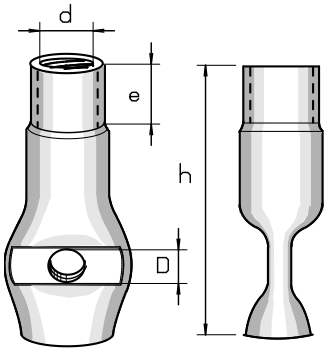
The BGW transport loop system is also ideal for securing loads of precast concrete elements on the means of transport. For this purpose, threaded anchors with sufficient additional reinforcement must be installed in the component in the direction of tension and shear.

The transport loop can then be attached to such a thread in the component and connected tightly to the means of transport.
The direction of pull must always be in the plane of the transport loop.









BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Threaded terminal – End fitting on the rope, with continuous thread

Completely Stainless steel or with Galvanised rope

The wire rope is pressed together with the threaded part in a non-detachable, form-fitting manner.
Threaded terminal with thread on both sides.
The piece pressed onto the ends of the Stainless steel side for the thread is made of Stainless steel.
The cut section can be used completely throughout. The thread can be screwed into a male thread up to the rope entry point, making this press point invisible.
Thread lengths and rope lengths are manufactured according to customer requirements, customer drawings, or sketches.

BGW- Terminal for maritime use, concrete works, elevator construction, forestry, vehicle construction, etc.

Item no. V2A	Weight Stainless steel	Ø Rope - Stainless steel mm	Breaking Strength 6x19 FE kN	Total length mm	PU	Price €/piece
401903	M8x50		9,6	500	20	75
601895-1	M8x130		9,6			
601895	M8x180		9,6			
401904	M10x 60	5	15	500	20	85
401905	M12x80	6	21	500	20	95
401907	M12x135		21			
401906	M12x170		21			
401908	M14x90	7	29	500	20	105
401909	M16x100	8	38	500	20	115
401910	M20x110	12	86	500	20	125
403665	M20x170		86			
602729	M20x230	12	86	230	20	
401911	M22x120	14	118	500	20	135
401912	M24x140	16	154	500	20	145





Shaking table suspensions - Tilting ropes, ropes with eyelets, with and without thimbles from 4-50 mm

Total length (rope + both threaded sleeves)	46 cm
Length of one threaded sleeve	10,5 cm
Length of rope between the sleeves	25 cm
Required thread length per sleeve	6 cm
Max. diameter of sleeve	23 cm
Thread	M20 (2x right-hand)



BGW- rope loops - rope eyelets with External thread

For attaching threaded transport anchors with Internal thread

Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

BGW rope loops with pressed-on threaded pieces are available with Rd or M threads depending on the load level for our transport anchor system and the anchor type.

The data carrier for the BGW transport anchor system located on the Rope loop is color-coordinated with the corresponding M anchor or Rd anchor system. The BGW Rope loop has been developed designed to be a cost-effective load-bearing device for transporting components from the prefabricated parts factory to the construction site. To prevent the Rope loop from bending in the area of the threaded press point and damaging the wire rope, an oblique pull of up to 45° is possible without any problems when installed on the component surface. If the threaded anchor has been installed deeper than the threaded part, i.e., the rope press sleeve, then the bend point of the Rope loop is also deeper. In the case of diagonal and transverse pull, the rope of the Rope loop now rests against the component, so that any angle can be pulled with the Rope loop. BGW rope loops are available in many standard and special lengths. We have already listed these lengths as standard in the catalog on the following pages.

BGW rope loops are such an inexpensive load-bearing device that in most cases it is not worth retrieving them from the construction site, also because no one knows what they were used for outside the company. BGW rope loops are also used in mechanical engineering and prefabricated timber construction.

Please note:

The thread of the rope loop must always be screwed in to the end of the rope loop thread
. Rope loops must be replaced if the wire is broken, the thread is damaged, there are dents, corrosion marks, or Buckling. Inspection at least once a year by a qualified person (UVV VBG 9a § 42).

For your information:

BGW- Rope loops with threaded pieces were first tested and approved by the LGA Bavaria in test report no. 2930652/I – 293065/IX and MK2301174 by LGA Bayern in accordance with section 4.4.3. of the safety rules for Transport anchors and approved – https://BGW- bohr.de/pdf/BelastungspruefunganStahldrahtseilenLGA.pdf. Product monitoring through production monitoring/initial piece approval for new production.

BGW- Rope loop if recessed installation of the transport anchor was not possible

EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen/EG-Konf_BGW- Seilschlaufe_alle_Laststufen.pdf

M thread Pitch Standard thread		Rd thread		Rope Ø/mm	Color Data ring	Load	-45°	+45°	Weigh t	Heigh t	PU	Price
d x e	Item no.	d x e	Item no.	DIN 3060		Step t Axial	Angular pull	-60° Oblique pull	kg	mm	piece	€/piece
M8 x 18	**0647**	**-**	**-**	**3**		**0,2**	**0,14**	**0,1**	**0,006**	**110**	**50**	**4,50**
M10 x 20	0649	-	-	5		0,4	0,27	0,2	0,040	120	25	4,00
M12 x 22	0651	Rd12 x 22	0650	6	pastel orange	0,5	0,34	0,25	0,070	155	25	4,09
M14 x 24	0653	Rd14 x 24	0652	7	Pure white	0,8	0,54	0,4	0,080	155	25	4,19
M16 x 27	0655	Rd16 x 27	0654	8	fire red	1,2	0,8	0,6	0,134	155	25	5,78
M18 x 34	0657	Rd18 x 34	0656	9	Light pink	1,6	1,1	0,8	0,189	190	25	6,90
M20 x 35	0659	Rd20 x 35	0658	10	white-green	2,0	1,4	1,0	0,266	215	25	8,18
M24 x 37	0661	Rd24 x 37	0660	12	Anthracite gray	2,5	1,7	1,25	0,360	255	25	9,36
M30 x 50	0663	Rd30 x 50	0662	16	Emerald green	4,0	2,7	2,0	0,894	300	10	14,67
M36 x 65	0665	Rd36 x 65	0664	18	Light blue	6,3	4,2	3,15	1,361	340	10	28,27
M42 x 70	0667	Rd42 x 70	0666	20	silver gray	8,0	5,4	4,0	1,966	425	1	35,84
M52 x 80	06691	Rd52 x 80	0668	26	sulfur yellow	12,5	8,4	6,25	3,510	480	1	58,80

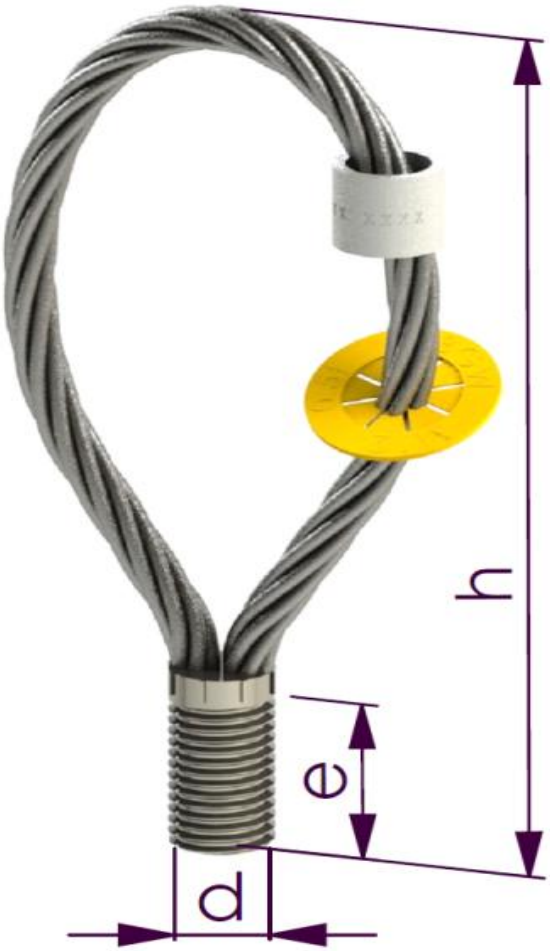
BGW- rope loops - rope eyelets with external thread for attaching threaded transport anchors with internal thread

Wire strength: 1770 N/m; Galvanised steel insert;
Minimum breaking load until the rope breaks

EC Declaration of Conformity:
https://BGW- bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Seilschlaufe_alleLaststufen.pdf

Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

Thread M / Rd d x e	Rope SE Ø/mm DIN 3060	Strength 1770 N/mm² Minimum breaking load	Strength 2 strands 1770N/mm² Minimum breaking load	For transport anchor systems Rope breakage Safety factor 1/4 Load group
M8 x 18	3	5,77 KN x 2 =	11,54 KN	0,2885t
M10 x 20	5	16 KN x 2 =	32 KN	0,8t
Rd12 x 22	6	23,1 KN x 2 =	46,2KN	1,155t
Rd14 x 24	7	31,4 KN x 2 =	62,8 KN	1,57t
Rd16 x 27	8	41 KN x 2 =	82 KN	2,05t
Rd18 x 34	9	51 KN x 2 =	102 KN	2,55t
Rd20 x 35	10	64,1KN x 2 =	128,2 KN	3,205t
Rd24 x 37	12	92,3KN x 2 =	184,6 KN	4,615t
Rd30 x 50	16	164KN x 2 =	328 KN	8,20t
Rd36 x 65	18	204 KN x 2 =	408 KN	10,2t
Rd42 x 70	20	252 KN x 2 =	504 KN	12,60t
Rd52 x 80	26	426 KN x 2 =	852 KN	21,3t



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- rope loops - rope eyelets with external thread – for attaching threaded transport anchors with internal thread

Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf
EC Declaration of Conformity:
https://BGW- bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Seilschlaufe_alleLaststufen.pdf



M thread Pitch Standard thread		Rd thread		Rope Ø/mm DIN 3060	Color Data ring	Load level t Axial	-45 Oblique pull	+45 -60 Diagonal pull	Weigh t kg	Height mm	PU piece	Price €/piece
d x e	Item no.	d x e	Item no.									
M10 x 20	0649-1	-	-	5		0,4	0,27	0,2	0,037	230	25	6,50
M10 x 20	0649-2	-	-	5		0,4	0,27	0,2	0,040	250	25	6,80
M12 x 22	0651-95	Rd12 x 22	0650-95	6		0,5	0,34	0,25	0,050	95	25	7,30
M12 x 22	0651-165	Rd12 x 22	0650-165	6	pastel orange	0,5	0,34	0,25	0,070	165	25	5,50
M12 x 22	0651 180	Rd12 x 22	0650 180	6	pastel orange	0,5	0,34	0,25	0,076	180	25	5,80
M12 x 22	0651 200	Rd12 x 22	0650 200	6	pastel orange	0,5	0,34	0,25	0,080	200	25	6,00
M12 x 22	0651 220	Rd12 x 22	0650 220	6	pastel orange	0,5	0,34	0,25	0,064	220	25	6,60
M12 x 22	0651 250	Rd12 x 22	0650 250	6	pastel orange	0,5	0,34	0,25	0,071	250	25	6,90
M16 x 27	0655-110	Rd16 x 27	0654-110	8	fire red	1,2	0,8	0,6	0,108	110	25	6,60
M16 x 27	0655-115	Rd16 x 27	0654-115	8	fire red	1,2	0,8	0,6	0,105	115	25	6,70
M16 x 27		Rd16 x 27		8	Fire red	1,2	0,8	0,6	0,134	155	25	5,78
		Rd16 x 27	0654-173	8	fire red	1,2	0,8	0,6	0,140	173 Ph	25	5,84
M16 x 27	0655-200	Rd16 x 27	0654-200	8	fire red	1,2	0,8	0,6	0,152	200	25	8,50
M16 x 27	0655-210	Rd16 x 27	0654-210	8	fire red	1,2	0,8	0,6	0,158	210	25	8,60
M16 x 27	0655-215	Rd16 x 27	0654-215	8	fire red	1,2	0,8	0,6	0,150	215	25	8,65
M16 x 27	0655-230	Rd16 x 27	0654-230	8	fire red	1,2	0,8	0,6	0,162	230	25	8,70
M16 x 27	0655-255	Rd16 x 27	0654-255	8	fire red	1,2	0,8	0,6	0,180	255	25	8,90
M16 x 27	0655-300	Rd16 x 27	0654-300	8	fire red	1,2	0,8	0,6	0,220	330	25	9,50
M16 x 27	0655-350	Rd16 x 27	0654-350	8	fire red	1,2	0,8	0,6	0,240	350	25	9,80
M16 x 27	0655-450	Rd16 x 27	0654-450	8	fire red	1,2	0,8	0,6	0,305	450	25	10,80
M16 x 27	0655-455	Rd16 x 27	0654-455	8	fire red	1,2	0,8	0,6	0,315	455	25	11,00
M16 x 27	0655-500	Rd16 x 27	0654-500	8	fire red	1,2	0,8	0,6	0,325	500	25	12,50
M16 x 27	0655-600	Rd16 x 27	0654-600	8	fire red	1,2	0,8	0,6	0,360	600	25	14,20
M16 x 27	0655-650	Rd16 x 27	0654-650	8	fire red	1,2	0,8	0,6	0,372	650	25	15,70
M20 x 35	0659-125	Rd20 x 35	0658-125	10	white-green	2,0	1,4	1,0	0,230	125	25	8,20
M20 x 35	0659-130	Rd20 x 35	0658-130	10	white-green	2,0	1,4	1,0	0,201	130	25	8,30
M20 x 35	0659-240	Rd20 x 35	0658-240	10	white-green	2,0	1,4	1,0	0,293	240	25	12,80
M20 x 35	0659-300	Rd20 x 35	0658-300	10	white-green	2,0	1,4	1,0	0,350	300	25	14,50
M20 x 35	0659-320	Rd20 x 35	0658-320	10	white-green	2,0	1,4	1,0		320	25	15,70
M20 x 35	0659-350	Rd20 x 35	0658-350	10	white-green	2,0	1,4	1,0	0,388	350	25	16,40
M20 x 35	0659-650	Rd20 x 35	0658-650	10	white-green	2,0	1,4	1,0		650	25	23,70
M22	0659-22	Rd22	0658-22			2,0	1,4	1,0		255	25	31,20
M24 x 37	0661-1000	Rd24 x 37	0660-1000	12	Anthracite gray	2,5	1,7	1,25		1000	25	25,30
M27	0661-1	Rd27	0660-1			3,0	2,3	1,5	0,510	288	25	21,30
M30 x 50	0661-420	Rd30 x 50	0662-420	16	Emerald green	4,0	2,7	2,0	1,107	420	10	23,70
M30 x 50	0663-450	Rd30 x 50	0662-450	16	Emerald green	4,0	2,7	2,0		450	10	35,00
M30 x 50	0663-1000	Rd30 x 50	0662-1000	16	Emerald green	4,0	2,7	2,0		1000	10	42,60
		Rd36 x 65	0664-378	18	Light blue	6,3	4,2	3,15	1,360	378 Ph	10	28,66
M36 x 65	0665-500	Rd36 x 65	0664-500	18	Light blue	6,3	4,2	3,15	1,718	500	10	37,30
M36 x 65	0665-530	Rd36 x 65	0664-530	18	Light blue	6,3	4,2	3,15	1,620	530	10	42,20
M36 x 65	0665-540	Rd36 x 65	0664-540	18	Light blue	6,3	4,2	3,15	0,638	540	10	43,20
M42 x 70	0665-480	Rd42 x 70	0666-480	20	silver gray	8,0	5,4	4,0		480	1	
M42 x 70	0667-500	Rd42 x 70	0666-500	20	silver gray	8,0	5,4	4,0	2,203	500	1	
		Rd52 x 80	0668-556	26	sulfur yellow	12,5	8,4	6,25	3,870	556 Ph	1	60,48
M52 x 80	06691-580	Rd52 x 80	0668-580	26	sulfur yellow	12,5	8,4	6,25	3,342	580	1	110,00
M52 x 80	0667-800	Rd52 x 80	0668-800	26	sulfur yellow	12,5	8,4	6,25		800	1	

BGW- Rope loop waisted – for attaching threaded transport anchors



To make it easier to screw the rope loop through the precast part with the transport anchor, it is held together in the middle with a press clamp. The central compression makes it easier to screw the rope loop into the transport anchor, as it also serves as a guide in the precast part.
These rope loops are tapered for recessed installation so that no diagonal tensile loads can act on the threaded part. Please note: The thread of the rope loop must always be screwed in to the end of the thread. Rope loops must be replaced in the event of wire breaks, damage to the thread, crushing, corrosion scars, or buckling.
Inspection at least once a year by a qualified person (UVV VBG 9a § 42).

EC Declaration of Conformity:
https://BGW- bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW-Seilschlaufen_tailliert_alleLaststufen.pdf
Image documentation of rope loops:
https://www.bgw-bohr.de/pdf/Bilddokumentation_Seilschlaufen_tailliert.pdf
Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

M thread Pitch Standard thread		Rd thread		Rope Ø/mm DIN 3060	Color Data ring	Load level t Axial	-45° Diagonal pull	+45° -60° Diagonal pull	Weight kg	Height mm	PU piece	Price €/piece
d	Item no.	d	Item no.									
M12x22	0651S 455				pastel orange	0,5	0,34	0,25	0,162	455	50	11,05
M12x22	0651S 500				pastel orange	0,5	0,34	0,25	0,164	500	50	
M12x22	0651T	Rd12x22	0650T	6	pastel orange	0,5	0,34	0,25	0,070	500	25	
M14x	0653T	Rd14x	0652T	7	pure white	0,8	0,54	0,4	0,080	455	25	
M16x27	0654S				fire red	1,2	0,8	0,6	0,217	300		
M16x27	0654S 455	Rd16x27	0654T	8	fire red	1,2	0,8	0,6	0,291	455		14,30
M16x27	0654S 500				fire red	1,2	0,8	0,6	0,313	500		16,25
M16x27	0654S 550				fire red	1,2	0,8	0,6	0,350	550		
M18x34	0657T	Rd18x34	0656T	9	Light pink	1,6	1,1	0,8	0,189	455	25	
M20x35	0659T	Rd20x35	0658T	10	white-green	2,0	1,4	1,0	0,266	455	25	
M20x35	0659S 455				white-green	2,0	1,4	1,0	0,452	455		20,15
M20x35	0659S 500 G60				white-green	2,0	1,4	1,0		500		
M24x37	0661T	Rd24 x37	0660T	12	Anthracite gray	2,5	1,7	1,25	0,360	450	25	
M30 x50	0663T	Rd30x50	0662T	16	Emerald green	4,0	2,7	2,0	0,894	500	10	
M36 x65	0665T	Rd36x65	0664T	18	Light blue	6,3	4,2	3,15	1,361	500	10	
M42 x70	0667T	Rd42 x70	0666T	20	silver gray	8,0	5,4	4,0	1,966	600	1	
M46x	06689T	Rd46	06690T	28	----------	22,0	15,4	11,0	5,20	800	1	
M52 x80	06691T	Rd52x80	0668T	26	sulfur yellow	12,5	8,4	6,25	3,510	700	1	
M56x	06693T	Rd56x	06692T	26	----------	15,0	10,5	7,5	5,60	800	1	
M60x	06695T	Rd60x	06694T	28	----------	20,0	14,0	10,0	6,30	800	1	

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- rope loop with 2 pressed-in ropes - for attaching threaded transport anchors



Item no.	Load level t	-45° inclined pull	+45°-60° Oblique pull	Height mm	Thread	PU piece	Weight	Price €/piece
0662SS	4,0	2,7	2,0	300	Rd30	50	0,766	

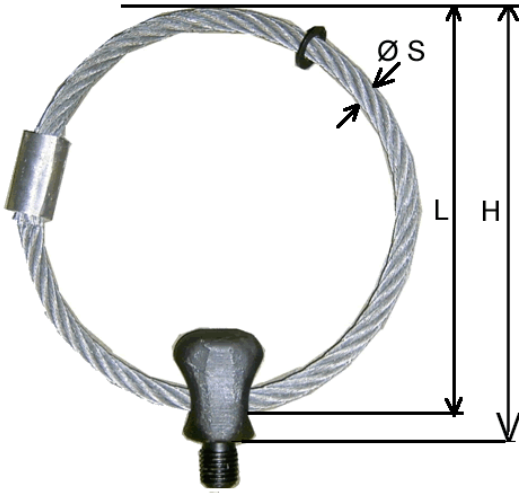
BGW- rope loop Goliath with forged head for transverse and diagonal pulling

- for attaching threaded transport anchors

EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW-_Seilschlaufe_Goliath_O-Verpressung_alleLaststufen.pdf
Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

Rope in O-compression

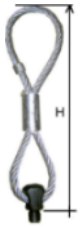
M thread Pitch Standard thread		Rd thread		Weight kg	Color Data ring	Load level t Axial	-45° Angle -pull	+45° -60 Angled pull	Height H mm	Ø S rope mm	Ø Mounting Positioning surface a/mm	Ø L mm	PU pcs	Price €/piece
d	Item no.	d	Item no.											
M10 x 20	0649G	-	-	0,294		0,4	0,27	0,2	200	6	25	150	2	18,41
M12 x 20	0651G	Rd12 x 20	0650G	0,294	pastel orange	0,5	0,34	0,25	200	8	25	150	2	18,41
M14 x 20	0653G	Rd14 x 20	0652G	0,304	Pure white	0,8	0,54	0,4		8	25		2	
M16 x 20	0655G	Rd16 x 20	0654G	0,316	fire red	1,2	0,8	0,6	215	8	25	170	2	23,52
M20 x 26	0659G	Rd20 x 26	0658G	1,043	white-green	2,0	1,4	1,0	280	10	45	200	2	33,23
M24 x 31	0661G	Rd24 x 31	0660G	1,398	Anthracite gray	2,5	1,7	1,25	360	12	45	250	2	35,79
M30 x 36	0663G	Rd30 x 36	0662G	1,765	Emerald green	4,0	2,7	2,0	390	16	45	290	2	41,93
M36 x 54	0665G	Rd36 x 54	0664G	5,364	Light blue	6,3	4,2	3,15	-	18	75	-	2	127,82
M42 x 62	0667G	Rd42 x 62	0666G	7,200	silver gray	8,0	5,4	4,0	-	20	75	-	2	163,61
M52 x 68	0669G	Rd52 x 68	0668G	7,873	sulfur yellow	12,5	8,4	6,25	-	26	75	-	2	230,08





BGW bohr GmbH GERMAN QUALITY SINCE 1986

Rope in 8-compression



EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen/EG-Konf_BGW-_Seilschlaufe_Goliath-8-Verpressung_alle_Laststufen.pdf

M thread Pitch Standard thread		Rd thread		Color Data ring	Load level t Axial	-45° Angle -pull	+45°-60° Angled -pull	Height H mm	Ø S Rope e mm	Ø contact surface a/mm	PU pcs	weight kg	Price €/piece
d	Item no.	d	Item no.										
M10 x 20	0649G8	-	-		0,4	0,27	0,2	335	6	25	2	0,350	18,41
M12 x 20	0651G8	Rd12 x 20	0650G8	pastel orange	0,5	0,34	0,25	335	8	25	2	0,276	18,41
M14 x 20	0653G8	Rd14 x 20	0652G8	Pure white	0,8	0,54	0,4	385	8	25	2	0,430	23,52
M16 x 20	0655G8	Rd16 x 20	0654G8	fire red	1,2	0,8	0,6	385	8	25	2	0,718	23,52
M20 x 26	0659G8	Rd20 x 26	0658G8	Light pink	1,6	1,1	0,8	470	10	45	2	1,133	29,23
M24 x 31	0661G8	Rd24 x 31	0660G8	white-green	2,0	1,4	1,0	470	10	45	2	1,293	33,23
M30 x 36	0663G8	Rd30 x 36	0662G8	Anthracite gray	2,5	1,7	1,25	550	12	45	2	1,567	35,79
M36 x 54	0665G8	Rd36 x 54	0664G8	Emerald green	4,0	2,7	2,0	590	16	45	2	2,268	41,93
M42 x 62	0667G8	Rd42 x 62	0666G8	Light blue	6,3	4,2	3,15	780	18	75	2	7,500	127,82
M52 x 68	0669G8	Rd52 x 68	0668G8	silver gray	8,0	5,4	4,0	860	20	75	2	8,165	163,61

BGW- Goliath rope loop with forged head and pressure plate

- for attaching threaded transport anchors

For recessed installation of threaded transport anchors, we recommend BGW- recessed bodies with marking. The corresponding recessed body ensures that the matching pressure plate is fully supported on the concrete surface.

Rope in 8-compression

Item no.	Thread	Plate Ø mm	Color Data ring	Load rating t Axial	-45° Angle -pull	+45°-60° Angled -pull	Load limit / t at 90°:	Length h mm	Ø rope mm	PU	Weight kg	Price €/unit
0650G8-D	Rd12 x 20	Ø 46	pastel orange	0,5	0,34	0,25	0,25	335	8	2	0,461	42,84
0654G8-D	Rd16 x 20	Ø 54	fire red	1,2	0,8	0,6	0,60	385	8	2	0,523	59,58
0658G8-D	Rd20 x 26	Ø 68	white-green	2,0	1,4	1,0	1,00	470	10	2	1,426	71,46
0660G8-D	Rd24 x 31	Ø 72	Anthracite gray	2,5	1,7	1,25	1,25	550	12	2	1,694	84,33
0662G8-D	Rd30 x 36	Ø 88	Emerald green	4,0	2,7	2,0	2,00	590	16	2	2,766	100,80
0664G8-D	Rd36 x 54	Ø 99	Light blue	6,3	4,2	3,15	3,15	780	18	2	6,616	145,35
0666G8-D	Rd42 x 62	Ø 107	silver gray	8,0	5,4	4,0	4,00	860	20	2	3,783	196,20
0668G8-D	Rd52 x 68	Ø 120	sulfur yellow	12,5	8,4	6,25	6,25	1080	26	2	11,706	315,90

BGW- recessed body with marking





BGW- Goliath rope loop with forged head and pressure plate

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Rope loops with internal thread

- for transport anchors with external thread for transporting foundations with threaded rods



BGW- Rope loops with pressed-on internal threaded piece are available with Rd or M thread or with inch thread.
The press sleeve with the Internal thread is marked with the product data on the circumference. Manufacturer, load level, type.
The rope loops with internal thread are for axial load bearing.
Please note: The thread of the rope loop must always be screwed in to the end of the rope loop thread. Rope loops must be replaced in the event of wire breaks, damage to the thread, crushing, corrosion damage, or buckling. Inspection at least once a year by a competent person (UVV VBG 9a § 42).

EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen/EG-Konf_BGW- Seilschlaufe_alle_Laststufen.pdf

M thread Pitch Standard thread		Rd thread		Rope Ø/mm	Color Data ring	Load	-45°	+45°	Weight	Height	PU	Price
d x e	Item no.	d x e	Item no.	DIN 3060		Stage t Axial	Angular pull	-60° Oblique pull	kg	mm	piece	€/piece
M8 x 18	0647i	-	-	3		0,2	0,14	0,1	0,006	110	50	18,00
M10 x 20	0649i	-	-	5		0,4	0,27	0,2	0,040	120	25	16,00
M12 x 22	0651i	Rd12 x 22	0650i	6	pastel orange	0,5	0,34	0,25	0,070	155	25	16,36
M14 x 24	0653i	Rd14 x 24	0652i	7	Pure white	0,8	0,54	0,4	0,080	155	25	16,76
M16 x 27	0655i	Rd16 x 27	0654i	8	fire red	1,2	0,8	0,6	0,134	155	25	23,12
M18 x 34	0657i	Rd18 x 34	0656i	9	Light pink	1,6	1,1	0,8	0,189	190	25	27,60
M20 x 35	0659i	Rd20 x 35	0658i	10	white-green	2,0	1,4	1,0	0,266	215	25	32,72
M24 x 37	0661i	Rd24 x 37	0660i	12	Anthracite gray	2,5	1,7	1,25	0,360	255	25	37,44
M27	0661-1i			14		3,0	2,3	1,5	0,510	288	25	85,20
M30 x 50	0663i	Rd30 x 50	0662i	16	Emerald green	4,0	2,7	2,0	0,894	300	10	58,68
M36 x 65	0665i	Rd36 x 65	0664i	18	Light blue	6,3	4,2	3,15	1,361	340	10	113,08
M42 x 70	0667i	Rd42 x 70	0666i	20	silver gray	8,0	5,4	4,0	1,966	425	1	143,36
M52 x 80	06691i	Rd52 x 80	0668i	26	sulfur yellow	12,5	8,4	6,25	3,510	480	1	235,20



BGW- rope loop, G-inch pipe thread

For screwing into inch thread connections, for transporting hydraulic control blocks, base plates, row flange plates, and engine blocks.

Expert opinion on conditions of use for BGW transport anchor systems:

Item no.	G-inch Pipe thread	Thread per inch	Thread Ø mm	Rope Ø/mm DIN 3060	Load level t Axial	-45° Oblique pull	+45° -60° Diagonal pull	Weight kg	Height mm	PU piece	Price €/piece
0651Z	¼“	19	13	6	0,5	0,34	0,25	0,070	155	25	20,45
0655Z	3/8“	19	16,5	8	1,2	0,8	0,6	0,134	155	25	28,90
0659Z	½“	14	20,8	10	2,0	1,4	1,0	0,266	215	25	40,90
0661Z	¾“	14	26,3	12	2,5	1,7	1,25	0,360	255	25	46,80
0663Z	1“	11	33,3	16	4,0	2,7	2,0	0,894	300	10	73,35
0667Z	11/4“	11	41,9	20	8,0	5,4	4,0	1,966	425	1	179,20
0667Z-2	11/2“	11	47,8	22	8,0	5,4	4,0	1,966	425	1	179,20
06691Z	2“	11	59,6	28	12,5	8,4	6,25	3,510	480	1	294,00

https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

Other possible versions:

M12x1,5	M14x1,5	M16x1,5	M18x1,5	M20x1,5	M22x1,5	M24x1,5
M27x2	M30x2	M33x2	M36x2	M42x2	M48x2	M52x2

Marked with Manufacturer, load level, and Thread by Ring on the rope.





BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Rope loop for inclined pull

(also for setting up horizontal precast concrete elements)

Rope loop support through form fit by means of a stop collar on the built-in threaded sleeve of the transport anchor.

The loop collar has a depth stop and a collar with a keyway, which enables the rope loop to be screwed securely into the Threaded anchors and forms a positive connection with the Transport anchors, even if the thread is stiff.

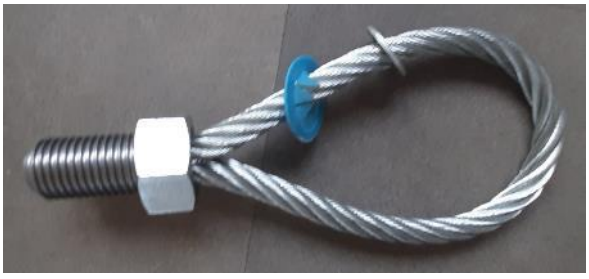
This technically and practically prevents the threaded part from bursting or bending under transverse or diagonal tension.



BGW- Rope loop for diagonal tension (with hexagon for wrench attachment)

M thread Pitch Standard thread		Rd thread		Rope Ø/mm	Color Data ring	Load	-45°	+45°	Weight	Height	PU	Price
d x e	Item no.	d x e	Item no.	DIN 3060		Step t Axial	Angular pull	-60° Oblique pull	kg	mm	piece	€/piece
M8 x 18	0647SZ	-	-	3		0,2	0,14	0,1	0,006	110	50	5,85
M10 x 20	0649SZ	-	-	5		0,4	0,27	0,2	0,040	120	25	5,20
M12 x 22	0651SZ	Rd12 x 22	0650SZ	6	pastel orange	0,5	0,34	0,25	0,070	155	25	5,32
M14 x 24	0653SZ	Rd14 x 24	0652SZ	7	Pure white	0,8	0,54	0,4	0,080	155	25	5,45
M16 x 27	0655SZ	Rd16 x 27	0654SZ	8	fire red	1,2	0,8	0,6	0,134	155	25	7,51
M18 x 34	0657SZ	Rd18 x 34	0656SZ	9	light pink	1,6	1,1	0,8	0,189	190	25	8,97
M20 x 35	0659SZ	Rd20 x 35	0658SZ	10	white-green	2,0	1,4	1,0	0,266	215	25	10,63
M24 x 37	0661SZ	Rd24 x 37	0660SZ	12	Anthracite gray	2,5	1,7	1,25	0,360	255	25	12,17
M30 x 50	0663SZ	Rd30 x 50	0662SZ	16	Emerald green	4,0	2,7	2,0	0,894	300	10	19,07
M36 x 65	0665SZ	Rd36 x 65	0664SZ	18	Light blue	6,3	4,2	3,15	1,361	340	10	36,75
M42 x 70	0667SZ	Rd42 x 70	0666SZ	20	silver gray	8,0	5,4	4,0	1,966	425	1	46,59
M52 x 80	06691SZ	Rd52 x 80	0668SZ	26	sulfur yellow	12,5	8,4	6,25	3,510	480	1	76,44





BGW- eyebolt DIN 580 with rope and thimble in 8 grooves

The DIN 580 eye bolt must be pressed onto the component with the front side of the eye bolt.
The specified load levels are given for axial tension at 0°.
0° = 100%, 45° = 75%, 90° = 50% of the Load level.

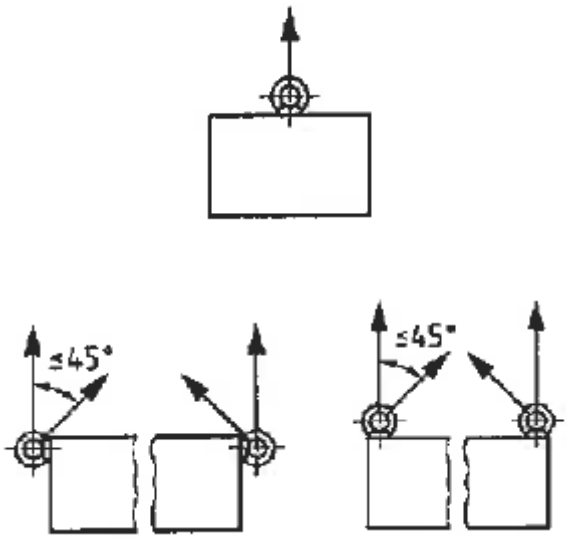
The accident prevention regulations VBG 9a § 42 DGUV Rule 109-017 must be observed.

The length of the thread and the length of the Rope loop can be adjusted to suit the application.

Item no.	Thread d x h	Axial per ring screw	With 2 ring bolts Up to 45° per ring bolt	with 2 eye bolts Front side up to 45° per eye bolt	Length mm Wire rope 8 Compression	Eye bolt DIN 580	PU piece	Weight Approx Pieces/kg	Price €/piece
4837	M8x30	140	100	70	335	580	10	0,35	18,41
4839	M10	230	170	115	335	580	10	0,44	18,41
4840	M12	340	240	170	335	580	10	0,46	18,41
4841	M12x90	340	240	170	400	580	10	0,50	40,00
4844	M16	700	500	350	385	580	10	0,50	23,52
4847	M16x90	700	500	350	400	580	10	0,70	40,00
4848	M20	1200	860	600	470	580	10	0,70	33,23
4849	M20x90	1200	860	600	400	580	10	0,70	40,00
4850	M24	1800	1290	900	550	580	10	1,60	35,79
4852	M30	3200	2300	1600	590	580	10	3,05	41,93

Further information can be found in DIN 580:2010-09.





BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- re-cutter / reworking screw with dirt groove

- for M or Rd threads

BGW- Recutter for reworking contaminated, iced threads.
The reamer can be screwed into the dirty Thread using a cordless screwdriver and a suitable BGW Allen key.

Operating instructions

Carefully remove the dirt/ice from the thread.
The damaged thread of the transport anchor is made usable with the thread repair tool by placing the oiled thread repair tool on the thread of the transport anchor and running it into the first thread. Once the tool has been screwed into the first thread, the machine can be attached using the BGW Allen key. If the thread is very dirty, it should be reworked by screwing it in and out several times.
If the thread has not been reworked in the thread pitch, the thread must no longer be used to attach the Load-bearing device.

Rd thread

Item no.	Thread	Allen key Ø mm	Price €/piece
80158N	12	6	25,00
801584N	14	6	25,00
80363N	16	10	28,00
801583N	18	10	28,00
80361N	20	10	30,00
80362N	24	10	35,00
80251N	30	10	40,00
803422N	36	10	45,00
801010N	42	10	50,00
80100N	52	10	60,00



Metric thread

Item no.	Thread	Allen key Ø mm	Price €/piece
800491N	M8	4	25,00
80077N	M10	5	25,00
800494N	M12	6	25,00
80338N	M14	6	25,00
80078N	M16	10	28,00
80070N	M20	10	30,00
800711N	M24	10	35,00
800730N	M30	10	40,00
80340N	M36	10	45,00
800042N	M42	10	50,00
800752N	M52	10	60,00





BGW- Thread cutting oil

Item no.	Price €/l
80022	35,00

BGW- Allen key

Item no.	Ø mm	Thread	Price €/piece
803864	4	Rd/M8	8,00
803865	5	Rd/M10	10,00
803867	6	Rd/M12	12,00
803863	10	Rd 16/ M16 - Rd 52/ M52	15,00



Cordless screwdriver

Item no.	Model	Price €/piece
804041	Makita DDF343RYLJ 14.4V	250,00
80404	Cordless screwdriver Bosch GSR 12V	250,00

BGW- Transport anchor (Fili2) for double walls , type-tested

Filigree anchors

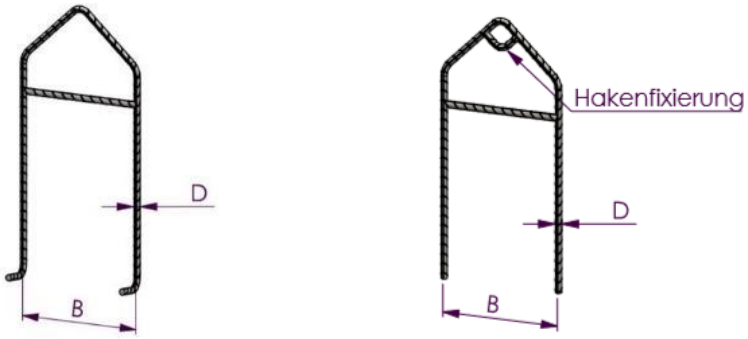
BGW filigree anchors are used for transporting and moving double walls.
The anchors consist of stirrups and a crossbar made of highly ductile concrete ribbed steel BST 500 S.
These transport anchors are suitable for installation in production without a turning station.

The transport anchors were embedded in double-shell concrete bodies and subjected to pull-out tests until failure. The tests were carried out with regard to centric tensile stress, oblique tensile stress, and transverse tensile stress. Based on these tests, BGW transport anchors can be used for load levels up to 8.8 t.

BGW transportanchors for double walls are manufactured in Germany, which means we can guarantee short delivery times, even for small quantities. We can manufacture the transport anchors according to your requirements, or you can use our type-tested BGW transportanchors for double walls, type 2 or type 3.

Instructions for use, load capacity tables, and type calculation Ø12 mm (3.2 t) and 14 mm (4.5 t)
https://www.bgw-bohr.de/pdf/Filigrananker_Verwendungsanleitung, and load capacity tables.pdf
https://www.bgw-bohr.de/pdf/Filigrananker Ø12, 14_Type calculation.pdf
Instructions for use, load capacity tables, and type calculation Ø16 mm (5.8 t) and 20 mm (8.8 t)
https://www.bgw-bohr.de/pdf/Filigrananker_Verwendungsanleitung, and load capacity tables.pdf
https://www.bgw-bohr.de/pdf/Filigrananker Ø16, 20_Type calculation.pdf
Photo documentation Type testing
https://www.bgw-bohr.de/pdf/Filigrananker_Fotodokumentation.pdf

Information on the BGW item number – Transortanker for double walls



1	2	3	4	5	6	7	8	9
Product group	Type	Load level t	Ø BST D	Width B/mm	Cut mm	BST ribbed=1	Hook Straight=0 Curved=1	Hook fixation Without=0 With=1
4	2	4,5	14	150	1200	1	0	0

1: Specifies the article group (always the same).
2: Specifies the anchor type.
3: Specifies the load level of the transport anchors.
4: Specifies the diameter of the concrete ribbed steel for the transport anchors.
5: Specifies the outer width of the transport anchor.
6: Specifies the length of the cut for the stirrups of the transport anchors. From an external width of 250 mm, the cut is 1500 mm. If D >= 16 mm, the cut is also 1500 mm. Otherwise, the cut has a length of 1200 mm.
7: Indicates that the high-ductility concrete ribbed steel is ribbed.
8: Specifies whether the anchor is straight or curved at the bottom.
9: Indicates whether the anchor has hook fixation or not.

You can use this table to specify the corresponding item number in your inquiry or order.

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- transport anchor (Fili2) for double walls, type-tested

Type 2: (DOWA) with welded Cross strut

The cross strut prevents the legs from collapsing when the wall is lifted and prevents the legs from being torn out of the concrete.



Item no.	Load level t	Ø BST	Width b mm	Cut mm	Weight kg	PU	Price
42321213012010000000	3,2	12	130	1200	1,2	500	3,26 €
42321215012010000000	3,2	12	150	1200	1,2	500	3,38 €
42321218012010000000	3,2	12	180	1200	1,2	500	3,42 €
42321220012010000000	3,2	12	200	1200	1,2	500	3,52 €
42321222012010000000	3,2	12	220	1200	1,2	500	3,64 €
42321224012010000000	3,2	12	240	1200	1,3	500	3,76 €
42321226015010000000	3,2	12	260	1500	1,5	250	4,12 €
42321228015010000000	3,2	12	280	1500	1,6	250	4,32 €
42321230015010000000	3,2	12	300	1500	1,6	250	4,40 €
42451411012010000000	4,5	14	110	1200	1,6	500	4,28 €
42451412012010000000	4,5	14	120	1200	1,6	500	4,32 €
42451412512010000000	4,5	14	125	1200	1,6	500	4,34 €
42451413012010000000	4,5	14	130	1200	1,6	500	4,38 €
42451414012010000000	4,5	14	140	1200	1,6	500	4,54 €
42451415012010000000	4,5	14	150	1200	1,6	500	4,62 €
42451415512010000000	4,5	14	155	1200	1,6	500	4,66 €
42451416012010000000	4,5	14	160	1200	1,6	500	4,72 €
42451417012010000000	4,5	14	170	1200	1,6	500	4,78 €
42451419012010000000	4,5	14	190	1200	1,6	500	4,84 €
42451420012010000000	4,5	14	200	1200	1,7	500	4,88 €
42451421012010000000	4,5	14	210	1200	1,7	500	4,96 €
42451422012010000000	4,5	14	220	1200	1,7	500	5,02 €
42451423012010000000	4,5	14	230	1200	1,7	500	5,10 €
42451425015010000000	4,5	14	250	1500	2,1	250	5,12 €
42451426015010000000	4,5	14	260	1500	2,1	250	5,16 €
42451427015010000000	4,5	14	270	1500	2,1	250	5,24 €
42451428015010000000	4,5	14	280	1500	2,1	200	5,30 €
42451431015010000000	4,5	14	310	1500	2,2	200	5,40 €
42451432015010000000	4,5	14	320	1500	2,2	200	5,48 €
42451435015010000000	4,5	14	350	1500	2,2	200	5,62 €
42451438015010000000	4,5	14	380	1500	2,2	200	5,70 €
42581615015010000000	5,8	16	150	1500	2,6	250	5,54 €
42581618015010000000	5,8	16	180	1500	2,6	250	5,80 €
42581621015010000000	5,8	16	210	1500	2,6	250	6,00 €
42581623015010000000	5,8	16	230	1500	2,7	250	6,08 €
42581625015010000000	5,8	16	250	1500	2,7	250	6,28 €
42581627015010000000	5,8	16	270	1500	2,7	250	6,40 €
42581628015010000000	5,8	16	280	1500	2,8	250	6,54 €
42581629015010000000	5,8	16	290	1500	2,8	250	6,62 €
42581631015010000000	5,8	16	310	1500	2,8	250	6,72 €
42882031015010000000	8,8	20	310	1500	4,4	125	8,94 €
42882032015010000000	8,8	20	320	1500	4,4	125	9,10 €
42882033015010000000	8,8	20	330	1500	4,4	125	9,28 €

BGW- transport anchor (Fili3) for double walls, type-tested ,

Type 3: (DOWA) with welded Cross strut

The protruding cross strut (Ø 20 mm) bears the greatest load of the wall, thus preventing the legs from contracting and tearing out of the concrete.

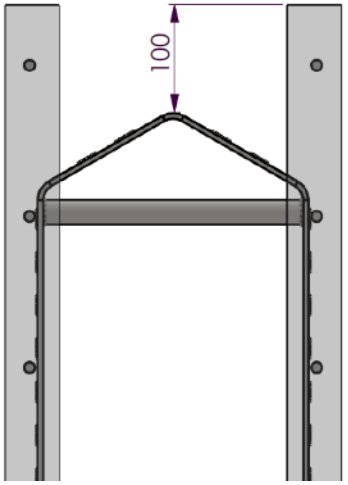


Item no.	Load level t	Ø BST	Width b mm	Cut mm	Weight kg	PU	Price
43321213012010000000	3,2	12	130	1200	1,4	500	3,76 €
43321218012010000000	3,2	12	180	1200	1,6	500	4,06 €
43321226015010000000	3,2	12	260	1500	2,0	250	4,90 €
43451413012010000000	4,5	14	130	1200	1,8	250	5,00 €
43451414012010000000	4,5	14	140	1200	1,8	250	5,06 €
43451415012010000000	4,5	14	150	1200	1,9	250	5,16 €
43451417012010000000	4,5	14	170	1200	1,9	250	5,22 €
43451419012010000000	4,5	14	190	1200	2,0	250	5,30 €
43451421012010000000	4,5	14	210	1200	2,0	250	5,50 €
43451423012010000000	4,5	14	230	1200	2,1	250	5,56 €
43451424012010000000	4,5	14	240	1200	2,1	250	5,60 €
43451428015010000000	4,5	14	280	1500	2,6	200	5,72 €
43451431015010000000	4,5	14	310	1500	2,6	200	5,90 €
43581614015010000000	5,8	16	140	1500	2,8	250	5,82 €
43581615015010000000	5,8	16	150	1500	2,8	250	5,88 €
43581617515010000000	5,8	16	175	1500	2,9	250	6,06 €
43581619015010000000	5,8	16	190	1500	2,9	250	6,12 €
43581621015010000000	5,8	16	210	1500	2,9	250	6,18 €
43581623015010000000	5,8	16	230	1500	3,0	250	6,24 €
43581628015010000000	5,8	16	280	1500	3,1	200	6,38 €
43581629015010000000	5,8	16	290	1500	3,1	200	6,56 €
43581631015010000000	5,8	16	310	1500	3,2	200	6,66 €
43882016015010000000	8,8	20	160	1500	4,1	250	8,32 €
43882019015010000000	8,8	20	190	1500	4,2	250	8,60 €
43882031015010000000	8,8	20	310	1500	4,5	125	9,18 €
43882032015010000000	8,8	20	320	1500	4,5	125	9,34 €
43882033015010000000	8,8	20	330	1500	4,6	125	9,52 €

If you require other external widths or special designs, we can of course manufacture these according to your specifications.

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- transport anchor Fili10 made of flat steel reinforcement



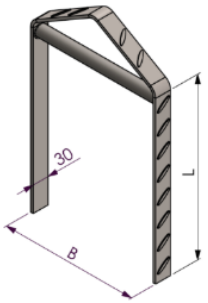
This "Fili 10" transport anchor type is made of flat reinforcement steel and was specially developed for components with low concrete cover. Replacing a transport anchor made of round reinforcement with a "Fili 10" transport anchor gains up to 10 millimeters of concrete cover.
This provides greater safety when transporting precast concrete elements. Alternatively, if there is sufficient concrete cover, the wall formwork can be made up to 10 millimeters narrower. This results in considerable savings in concrete and weight.

Advantages:

Greater concrete cover with walls of the same width
Greater safety when transporting precast concrete elements
The "Fili 10" transport anchor is manufactured from ribbed flat steel reinforcement 35 x 5 mm S235JR (Q235B). This steel has very good welding properties. The anchoring ribs have been hot-rolled into the steel on the outside of the Transport anchor. A cross strut made of concrete rib steel has been inserted between the legs of the load bracket as bracing. This prevents the legs of the Transport anchor from contracting under load.

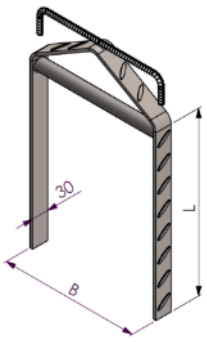
BGW- Double-wall transport anchor made of flat steel Reinforcement

Item no.	Load group/ Load level	Axial tension1 Load level per anchor	Diagonal pull2 60° Diagonal pull2 90° Load level per anchor	Transverse pull3 Load level per anchor	Wall thickness mm	External width b mm	Anchoring length L mm	Weight kg	PU	Price
10140	4,5t	4,5t	3,0t 2,0t	2,25t	200	140	300	1,266	500	3,20 €
10180	4,5t	4,5t	3,0t 2,0t	2,25t	240	180	300	1,358	500	3,40 €
10240	4,5t	4,5t	3,0t 2,0t	2,25t	300	240	300	1,510	500	3,80 €
10300	4,5t	4,5t	3,0t 2,0t	2,25t	360	300	300	1,663	500	4,20 €



BGW- Double wall transport anchor made of flat steel Reinforcement with hook safety catch

Item no.	Load group/ Load level	Axial tension1 Load level per anchor	Diagonal pull2 60° Diagonal pull2 90° Load level per anchor	Transverse pull3 Load level per anchor	Wall thickness mm	Outer Width b mm	Anchorage length L mm	Weight kg	PU	Price
101401	4,5t	4,5t	3,0t 2,0t	2,25t	200	140	300	1,390	500	4,20 €
101801	4,5t	4,5t	3,0t 2,0t	2,25t	240	180	300	1,508	500	4,40 €
102401	4,5t	4,5t	3,0t 2,0t	2,25t	300	240	300	1.690	500	4,80 €
103001	4,5t	4,5t	3,0t 2,0t	2,25t	360	300	300	1,883	500	5,20 €



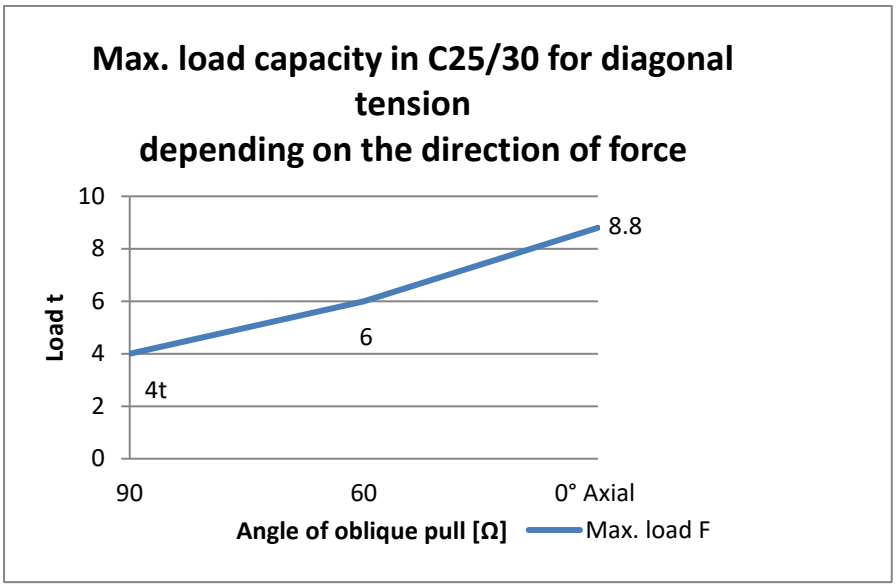
1Axial: Maximum load for vertical lifting.
2Inclined pull: Two anchors together support a component at the specified angle of inclination
The load in the table is specified for one load-bearing anchor,
see drawing on the next page.
3Transverse: A horizontal component is erected.
The load specifications always refer to one anchor.
Further versions available on request.

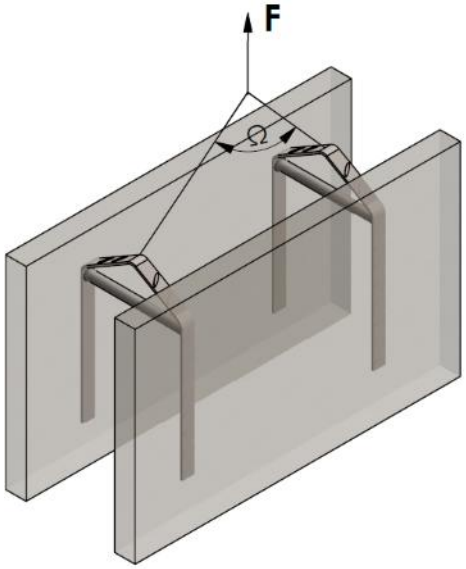
BGW- Transport anchors Fili10

The concrete strength must be at least C 25/30 and the concrete cover over the anchor legs must be at least 10 mm. The transport anchors are installed in the same way as BGW- double wall transport anchors with round Reinforcement. The transport anchors should be wide enough to rest against the inner reinforcement of the wall shells. The upper part of the transport anchor should be 100 mm below the upper edge of the wall. To prevent the anchor from tipping over when the reinforcement is loose, it is secured at the top to lattice girders with an auxiliary crossbeam.

Pictures of the tensile test
BGW- Fili14 with installation reinforcement: https://www.bgw-bohr.de/pdf/Zugtest_Fili14_Bilder.pdf

Photo documentation of type testing
https://www.bgw-bohr.de/pdf/Filigrananker_Fotodokumentation.pdf







BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- transport anchor Fili14 – for double walls

- Where safety, price, DIN conformity, and quick installation are the priorities -

The BGW- transport anchor Fili14 is used to transport double walls. This filigree anchor consists of a stirrup made of approved DIN 488 special grade steel and a crossbar (compression bar) made of thick-walled special grade steel tubing. These are connected to each other by means of a marking band. The marking tape is not UV-resistant. This type of transport anchor can be fully loaded once the concrete of the Double wall has hardened. This type of anchor cannot be used to screw the first wall shell into the second.

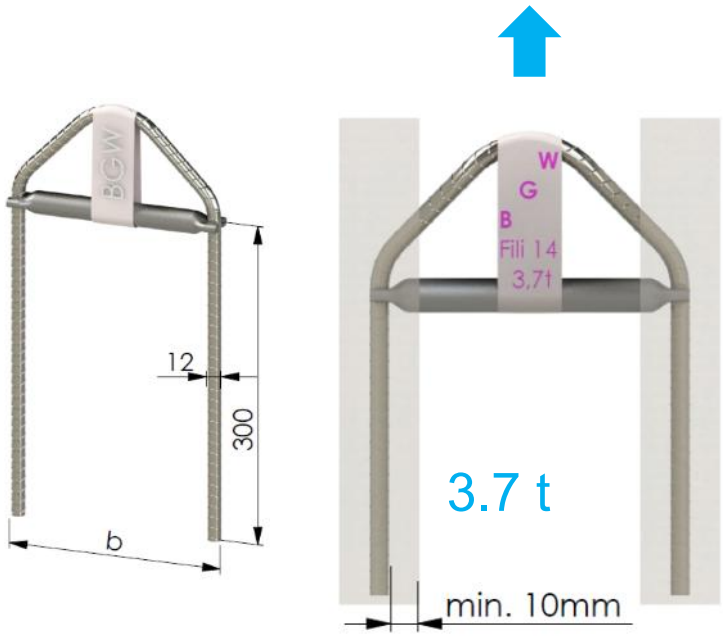
Up to now, the crossbar has usually been welded into the stirrups. According to the latest state of the art, the anchor stirrups and compression bar no longer need to be welded together in order to transfer the tensile forces at the anchor to the anchor legs. For these reasons, we have deliberately decided not to weld the crossbar into our Fili14. When coupling the wall for the first time in the precast plant, it is recommended to push/pull a BGW coupling band through the Transport anchors in order to couple or uncouple the components to the suspension without using a ladder. There is a very high risk of a worker falling from the ladder and injuring themselves when attaching the anchor to the component. The employers' liability insurance association has issued a guideline for a "ladder-free construction site." The pressure bar is shaped at both ends so that it fits securely onto the anchor legs. It is placed directly at the bends of the anchor legs to prevent deformation of the stop triangle. The anchor can be installed at an angle in the wall. Because the Fili14 is made of special-grade steel in accordance with DIN 488 and has no protruding hooks or waves, one anchor width can be used for multiple wall widths. It is important to ensure that the concrete cover of the legs is at least 10 mm. The gradation can be in increments of 20 mm. Example: The anchor with a width of 150 mm can be installed for anchors with widths of 140 mm and 130 mm. This can significantly reduce storage costs.

Without a Cross strut between the anchor legs, the load of the concrete wall could not be supported.
The anchor legs would be torn out of the concrete shell.
A cross strut shaped at the front, as in Fili14 and Fili16, bears more than one weld seam.
Once the concrete has hardened, it permanently fixes the Cross strut in place, preventing the anchor legs from being torn out of the concrete shells towards the center of the wall under the load of the Double wall.

Fili14 with reinforcing steel, Ø 12 and Ø 14
Load-bearing capacity tables/type calculation BGW double wall anchor Ø 12 and Ø 14 (PDF file)
Video of the BGW tensile test – Fili14 (Ø 12 mm): https://www.bgw-bohr.de/video/Zugtest-Doppelwandanker-2.mp4
Pictures of the BGW tensile test – Fili14: https://www.bgw-bohr.de/pdf/Zugtest_Fili14_Bilder.pdf
Photo documentation of type testing
https://www.bgw-bohr.de/pdf/HP_Fotodokumentationen/Fotodokumentation_DWAe Ø 20.pdf
https://www.bgw-bohr.de/pdf/HP_Fotodokumentationen/Fotodokumentation_DWA_Ausziehversuche.pdf

Fili14 with reinforcing steel, load level 3.7 t

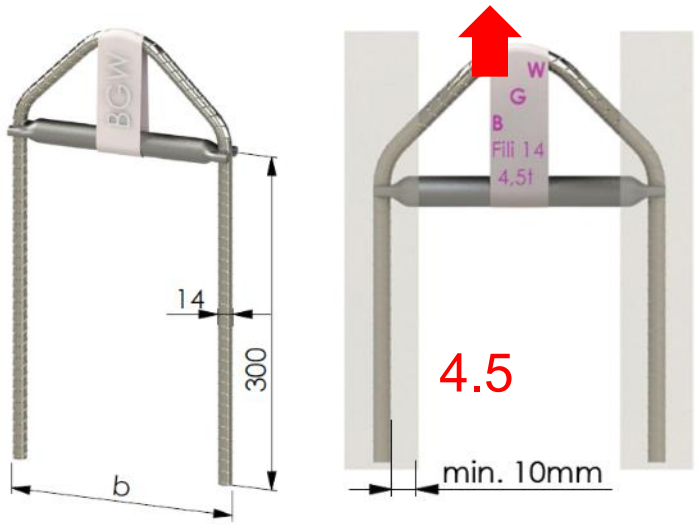
Item no.	Anchor -width b mm	Weight kg	PU/ Pallet	Price €/ piece
1412120	120	0,87	500	2,15
1412130	130	0,89	500	2,20
1412140	140	0,91	500	2,25
1412150	150	0,93	500	2,29
1412160	160	0,95	500	2,35
1412170	170	0,97	500	2,40
1412180	180	1,00	500	2,47
1412190	190	1,03	500	2,55
1412200	200	1,06	500	2,62
1412210	210	1,09	500	2,70
1412220	220	1,12	500	2,77
1412230	230	1,15	500	2,84
1412240	240	1,17	500	2,89
1412250	250	1,20	500	2,97
1412280	280	1,28	350	3,17
1412300	300	1,34	350	3,31



BGW- transport anchor Fili14 - for double walls

Fili14 with reinforcing steel, load level 4.5 t

Item no.	Anchor width b mm	Weight kg	PU/ Pallet	Price €/ piece
1414120	120	1,12	500	2,86
1414130	130	1,15	500	2,96
1414140	140	1,17	500	3,06
1414150	150	1,19	500	3,16
1414160	160	1,22	500	3,26
1414170	170	1,24	500	3,38
1414180	180	1,27	500	3,52
1414190	190	1,31	500	3,70
1414200	200	1,34	500	3,84
1414210	210	1,37	500	3,98
1414220	220	1,41	500	4,16
1414230	230	1,44	500	4,32
1414240	240	1,47	500	4,48
1414250	250	1,50	500	4,60
1414280	280	1,60	300	5,02
1414300	300	1,66	300	5,26

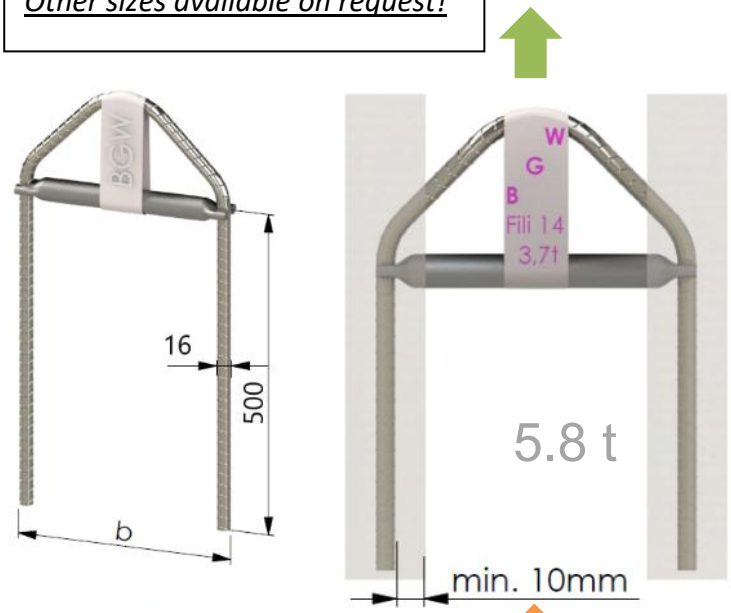


Fili14 with reinforcing steel, Ø 16 and Ø 20
Load-bearing capacity tables/type calculation BGW double wall anchor Ø 16 and Ø 20 (PDF file)
Video of the tensile test BGW- Fili14 (Ø 12 mm): https://www.bgw-bohr.de/video/Zugtest-Doppelwandanker-2.mp4
Photo documentation of type testing: https://www.bgw-bohr.de/pdf/HP_Fotodokumentationen/Fotodokumentation_DWA_16_und_20.pdf
https://www.bgw-bohr.de/pdf/HP_Fotodokumentationen/Fotodokumentation_DWA_Ausziehversuche.pdf

Fili14 with reinforcing steel, load level 5.8 t

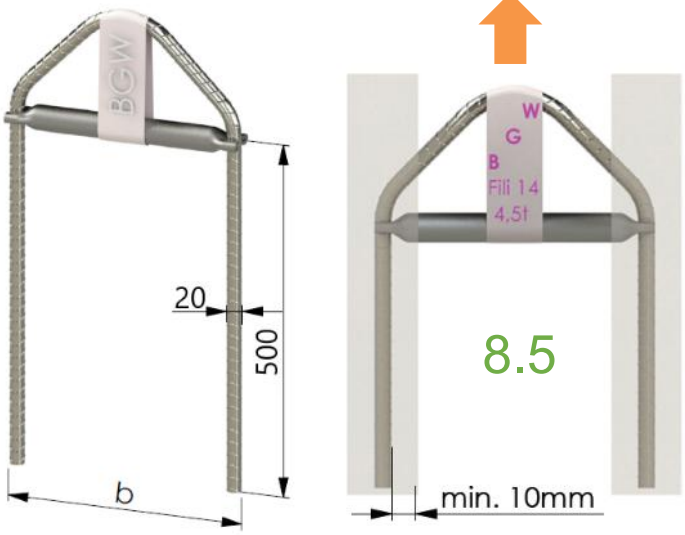
Item no.	Anchor width bmm	Weight kg	PU/ Pallet	Price €/ piece
141612	120	1,95	250	5,80
141613	130	2,00	250	5,87
141614	140	2,07	250	5,94
141615	150	2,13	250	6,01
141616	160	2,19	250	6,08
141617	170	2,26	250	6,15
141618	180	2,35	250	6,22
141619	190	2,38	250	6,29
141620	200	2,44	250	6,36
141621	210	2,51	250	6,43
141622	220	2,57	250	6,50
141623	230	2,63	250	6,57
141624	240	2,69	250	6,64
141625	250	2,75	250	6,71
141628	280	2,82	200	6,92
141630	300	2,88	200	7,30

Other sizes available on request!

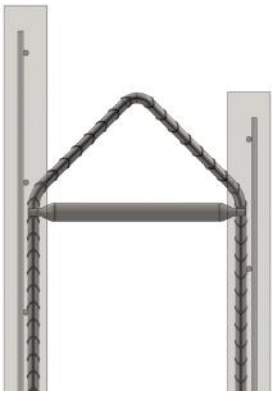


Fili14 with reinforcing steel, load level 8.5 t

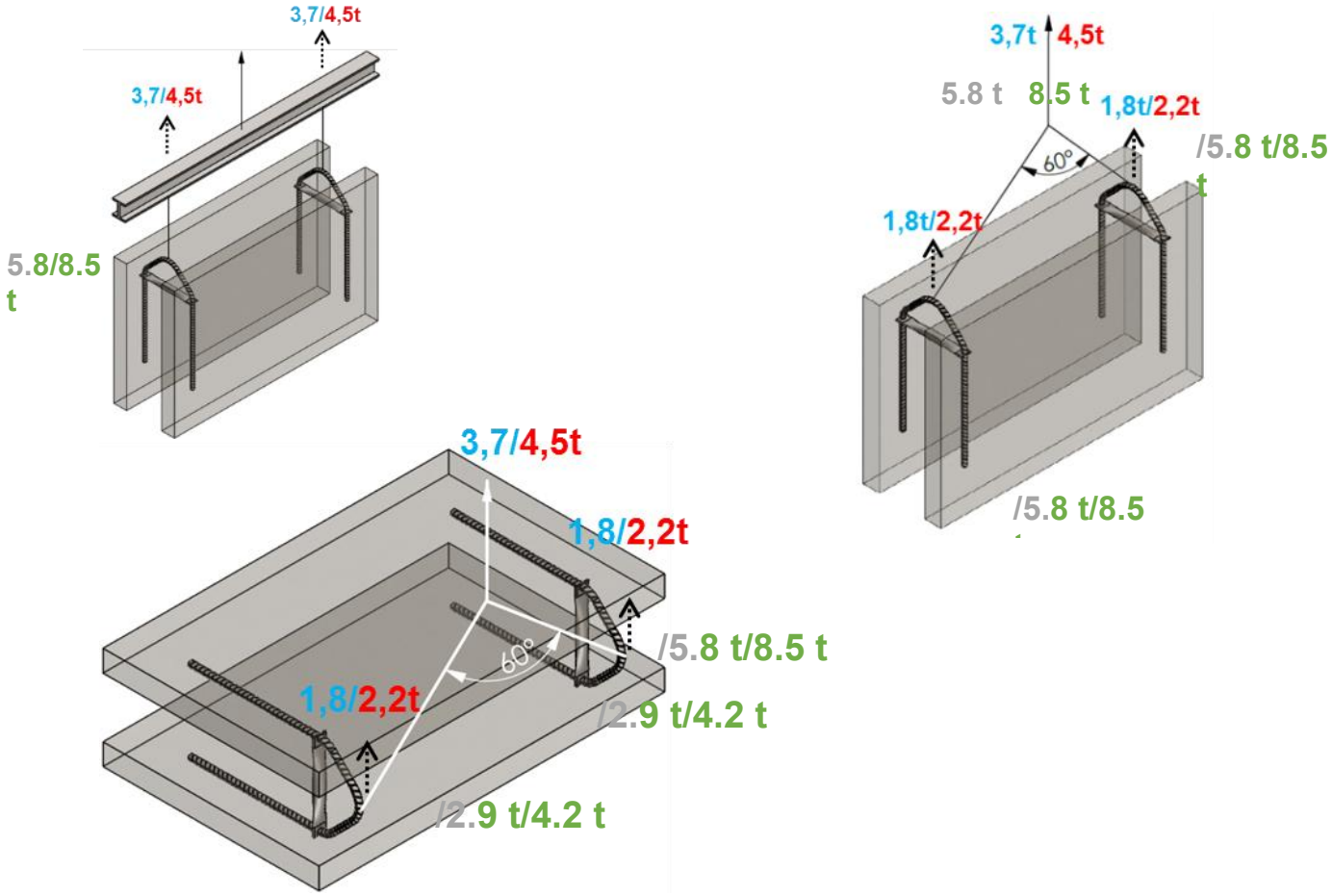
Item no.	Anchor width bmm	Weight kg	PU/ Pallet	Price €/ piece
1420120	120	3,05	175	7,40
1420130	130	3,12	175	8,00
1420140	140	3,19	175	8,10
1420150	150	3,26	175	8,20
1420160	160	3,33	175	8,30
1420170	170	3,40	175	8,40
1420180	180	3,47	175	8,50
1420190	190	3,54	175	8,60
1420200	200	3,61	150	8,70
1420210	210	3,68	150	8,80
1420220	220	3,75	150	8,90
1420230	230	3,88	150	9,00
1420240	240	4,27	125	9,10
1420250	250	4,34	125	9,20
1420280	280	4,41	125	9,40
1420300	300	4.48	125	9.90



BGW- transport anchor Fili14 - for double walls



In accordance with BGR 106, the Fili14 is permanently marked with the Manufacturer's details, anchor type, and load level in the lifting triangle by means of a marking band, as required by the safety regulations. Once the Fili14 has been set in concrete in the Double wall, this marking band can be pierced by the chain hook. Installation of the Fili14 transport anchor is very quick and easy, and there is no installation direction to consider. Installation is self-explanatory for professionals. The upper edge of the transport anchor should be at the same height or slightly lower than the upper edge of the lower wall shell. The transport anchors should be attached to the reinforcing steel behind the reinforcement mesh on the inside of the walls. The anchors must always be installed at a 90° angle to the wall plane.
For loose reinforcement, adjust the anchor as before and then attach the double wall anchor to it using a crossbeam resting on the lattice girders to the right and left of the double wall transport anchor. The BGW Fili14 transport anchor with Ø 12 reinforcing steel is designed for an axial load of 3.7 tons, Ø 14 for 4.5 tons, Ø 16 for 5.8 tons, and Ø 20 for 8.5 tons.
This has been tested with concrete strength C25/30 and a Concrete cover of at least 10 mm on both legs. The maximum load per anchor during installation or diagonal pull is 1.8 tons for Ø 12 reinforcing steel, 2.2 tons for Ø 14 reinforcing steel, 2.9 tons for Ø 16 reinforcing steel, and 4.2 tons for Ø 20 reinforcing steel. The crane lifting load factor must not exceed 1.1.
The attachment point for the load hook is located within the bending radius of the anchor bracket. The bending radius of the anchor bracket is adapted to the load hook for the corresponding Load level. The load hook must always correspond to the Load level of the anchor bracket in order to achieve a secure fit and even load distribution on the anchor bracket.



Video of the tensile test BGW- Fili14 (Ø 12 mm):
https://www.bgw-bohr.de/video/Zugtest-Doppelwandanker-2.mp4
Photo documentation of type testing
https://www.bgw-bohr.de/pdf/Filigrananker_Fotodokumentation.pdf

BGW- transport anchor Fili14 “self-assembly”

These stirrups for the Fili14 double wall anchors can be easily curved and assembled yourself using your machine and your Material, following our bending instructions.
See our video: https://www.bgw-bohr.de/video/2020-10-28_Montage_Fili14.avi
With the double wall anchor "self-assembly," we supply you with the appropriate cross strut and marking tape. This tape indicates the anchor type, load level, and Manufacturer and is used to fix the cross strut between the legs of the anchor bracket.

Advantages of self-assembly:

- Cost savings - Space-saving storage - Simplified logistics
In order to guarantee the consistent quality of the anchor stirrups, BGW manufactures them from concrete ribbed steel, from rings in special quality Din 488, using modern CNC bending machines. The material is curved in a way that preserves the structure, which is sufficient for most types of steel. In order to normalize the structure again, these stirrups would have to be heated in the bend.
This transport anchor is specially designed for installation in the production of double walls using a turning station.
Without a Cross strut between the anchor legs, the load of the concrete wall could not be supported.
The anchor legs would be torn out of the concrete shell.
A cross strut formed at the front end, as in Fili14 and Fili16, carries more than one weld seam.
Once the concrete has hardened, it permanently fixes the Cross strut in place, preventing the anchor legs from being torn out of the concrete shells toward the center of the wall under the load of the Double wall.

Installation instructions:

Insert the cross strut, which has been curved to the exact dimensions (bending rollers according to DIN)
https://www.bgw-bohr.de/video/DSCN0389.avi
, insert the cross strut with the appropriate length and load level between the anchor legs and press it firmly into the stop triangle. The cross strut must then be secured with the marking tape. To do this, insert the marking tape corresponding to the Load level of the anchor into the special dispenser and, starting at the attachment point for the Load-bearing device, wrap it around the cross strut and attachment point approximately three times.
When the Fili14 is manufactured according to the instructions provided by us and with the materials supplied by us, our technical documentation and approvals for double wall anchors can be used.

Installation example Photo documentation:
https://www.bgw-bohr.de/bilder/DSCN6757.jpg
https://www.bgw-bohr.de/bilder/DSCN6758.jpg

Fili14 installation tools

Device for mounting the Cross strut

Item no.	Load level t	Weight kg/piece	Length mm	Width mm	Price €/piece
1412001	3,7	15	400	200	290
1414001	4,5	15	400	200	290
1416001	5,8	15	400	200	320
1420001	8,5	15	400	200	320

BGW special dispenser for Fili14 marking tape

Item no.	Price €/piece
801572	25



BGW Fili14 marking tape (66 m per roll)

The marking tape is not UV-resistant.

Item no.	Load level t	PU Pieces/carton	Price €/piece
8024922	3,7	72	1,80
8024921	4,5	72	1,80
8024923	5,8	72	1,80
8024924	8,5	72	1,80

BGW- transport anchor Fili14 “self-assembly”





Information for ordering cross struts:
For the wall width (concrete wall width) specified in the table, it is assumed that the Transport anchors are 60 mm less wide on the outside (concrete cover) than the Double wall, i.e., there is 30 mm of concrete cover on each side of the anchor legs.
The calculated inner dimension of the Cross strut is the inner dimension of the anchor brackets between the legs.
Example: Concrete ribbed steel Ø 14 mm, concrete wall width on the outside 270 mm, concrete cover of both anchor legs 30 mm, 270 mm concrete wall band width - 60 mm concrete cover of the anchor legs = 210 mm outer width of the anchor bracket,
minus 2x Ø 14 mm concrete ribbed steel = 182 mm internal dimension of the anchor bracket,
minus approx. 2 mm for the ribs = 180 mm inner dimension of the anchor bracket leg or the length of the Cross strut inside the radius,
Cut of the pipe cross strut = 180 mm + 14 mm + 14 mm = 208 mm overall external length

Length of the pipe cross strut for anchor bracket load level 3.7 t = concrete wall thickness - 74 mm, for 4.5 t - 75 mm, for 5.8 t - 78 mm, for 8.5 t - 82 mm
Material: Special grade steel tube

Fili14 cross strut for load level 3.7 t
Material: Special grade steel tubing

Item no.	Wall width mm	Weight kg	Price €/piece
1412Q094	180	0,160	1,42
1412Q104	190	0,176	1,44
1412Q114	200	0,192	1,48
1412Q124	210	0,208	1,50
1412Q134	220	0,224	1,52
1412Q144	230	0,240	1,54
1412Q154	240	0,256	1,58
1412Q164	250	0,272	1,60
1412Q174	260	0,288	1,62
1412Q184	270	0,304	1,64
1412Q194	280	0,320	1,66
1412Q204	290	0,336	1,70
1412Q214	300	0,352	1,72
1412Q224	310	0,368	1,74
1412Q234	320	0,384	1,76
1412Q244	330	0,400	1,80
1412Q254	340	0,416	1,82
1412Q264	350	0,432	1,84
1412Q274	360	0,448	1,86
1412Q284	370	0,464	1,88
1412Q294	380	0,480	1,92
1412Q304	390	0,496	1,94
1412Q314	400	0,512	1,96
Other wall thicknesses available on request			

Fili14 cross strut for load level 4.5 t
Material: Special grade steel tubing

Item no.	Wall width mm	Weight kg	Price €/piece
1414Q090	180	0,154	1,48
1414Q100	190	0,170	1,52
1414Q110	200	0,186	1,54
1414Q120	210	0,202	1,58
1414Q130	220	0,218	1,62
1414Q140	230	0,234	1,64
1414Q150	240	0,250	1,68
1414Q160	250	0,266	1,72
1414Q170	260	0,282	1,74
1414Q180	270	0,298	1,78
1414Q190	280	0,314	1,80
1414Q200	290	0,330	1,84
1414Q210	300	0,346	1,86
1414Q220	310	0,362	1,92
1414Q230	320	0,378	1,94
1414Q240	330	0,394	1,96
1414Q250	340	0,410	2,00
1414Q260	350	0,426	2,02
1414Q270	360	0,442	2,06
1414Q280	370	0,458	2,08
1414Q290	380	0,474	2,12
1414Q300	390	0,490	2,16
1414Q310	400	0,506	2,18
1414Q320	410	0.522	1414Q320
1414Q330	420	0,538	2,22
1414Q340	430	0,554	2,24
1414Q350	440	0,570	2,26
1414Q360	450	0,586	2,28
1414Q370	460	0,602	2,30
1414Q380	470	0,618	2,32
1414Q390	480	0,634	2,34
1414Q400	490	0,650	2,38

BGW- transport anchor Fili14 “self-assembly”

Fili14 cross strut for load level 5.8 t
Material: Special grade steel tubing

Item no.	Wall width mm	Weight kg	Price €/piece
1416Q086	180	0,223	2,45
1416Q096	190	0,248	2,50
1416Q106	200	0,273	2,55
1416Q116	210	0,298	2,60
1416Q126	220	0,322	2,64
1416Q136	230	0,347	2,69
1416Q146	240	0,372	2,74
1416Q156	250	0,397	2,79
1416Q166	260	0,422	2,84
1416Q176	270	0,447	2,89
1416Q186	280	0,471	2,94
1416Q196	290	0,496	2,99
1416Q206	300	0,521	3,04
1416Q216	310	0,546	3,09
1416Q226	320	0,570	3,14
1416Q236	330	0,595	3,19
1416Q246	340	0,620	3,24
1416Q256	350	0,645	3,29
1416Q266	360	0,670	3,34
1416Q276	370	0,694	3,39
1416Q286	380	0,719	3,44
1416Q296	390	0,744	3,49
1416Q306	400	0,769	3,54

Fili14 cross strut for load level 8.5 t
Material: Special grade steel tubing

Item no.	Wall width mm	Weight kg	Price €/piece
1420Q078	180	0,267	3,13
1420Q088	190	0,300	3,20
1420Q098	200	0,333	3,27
1420Q108	210	0,366	3,33
1420Q118	220	0,399	3,40
1420Q128	230	0,432	3,46
1420Q138	240	0,465	3,53
1420Q148	250	0,498	3,60
1420Q158	260	0,531	3,66
1420Q168	270	0,564	3,73
1420Q178	280	0,597	3,79
1420Q188	290	0,630	3,86
1420Q198	300	0,663	3,93
1420Q208	310	0,696	3,99
1420Q218	320	0,729	4,06
1420Q228	330	0,762	4,12
1420Q238	340	0,795	4,19
1420Q248	350	0,828	4,26
1420Q258	360	0,861	4,32
1420Q268	370	0,894	4,39
1420Q278	380	0,927	4,45
1420Q288	390	0,960	4,52
1420Q298	400	0,993	4,59

Other wall thicknesses available on request

BGW- Fili15 transport anchors - with side-mounted anchoring legs

- A further development of the type-tested BGW Fili2, but without welded joints –

These transport anchors are particularly suitable for installation during the manufacture of double walls using a turning station.

Further features of the Fili15 are that the anchor bracket is inductively heated in the bending area/attachment area.
Here is a short video about this:
https://www.bgw-bohr.de/video/2021_04_13_Fili15.avi
The base material according to DIN 488 is the base material used for this anchor bracket.
To avoid the risk of embrittlement due to processing in the material used, we heat this safety-relevant area. The anchor bracket can cool down in a controlled manner after heating.
During inductive heating, the cross strut is clamped between the anchor legs with low tension. There are no structural changes, such as those caused by welding or even slight welding.
The cross strut is secured in position at the intersections with hot melt adhesive applied directly to the bending area on the anchor legs. This hot melt adhesive acts as a seal to detect any changes to the product.
The prescribed welding distance of the cross strut after bending is not required with this manufacturing process.
The cross strut is inserted directly into the bends at the stop triangle.
The anchor bracket remains permanently dimensionally stable even under load.
In the lower anchor leg area, the two anchor legs are held parallel to each other by means of thick plastic tape.
This plastic strap also bears the Manufacturer's data, the anchor type, and the load-bearing capacity for axial, transverse, and diagonal tension.
To further increase safety against concrete breakout in young concrete, we increase the Fili15 by slightly extending the anchor legs in the area of the plastic strap by a few mm by curving both anchor legs outwards to increase the anchoring surface of the anchor bracket.
The Fili15 transport anchor can be fully loaded on both sides, for diagonal and transverse tension, even in the area of the Cross strut, according to the tables.
It has been ensured that the transport anchors cannot fail in the area of the Load-bearing device attachment point and in the area of the built-in Cross strut.

Fili15 with reinforcing steel, Ø 14

Fili15 made of DIN 488 WR high-ductility steel, load level 4.5 t

Item no.	Anchor width b mm	Weight kg	PU/ Pallet	Price €/ piece
1514120	120	1,12	500	2,86
1514130	130	1,15	500	2,96
1514140	140	1,17	500	3,06
1514150	150	1,19	500	3,16
1514160	160	1,22	500	3,26
1514170	170	1,24	500	3,38
1514180	180	1,27	500	3,52
1514190	190	1,31	500	3,70
1514200	200	1,34	500	3,84
1514210	210	1,37	500	3,98
1514220	220	1,41	500	4,16
1514230	230	1,44	500	4,32
1514240	240	1,47	500	4,48
1514250	250	1,50	500	4,60
1514280	280	1,60	300	5,02
1514300	300	1,66	300	5,26



BGW- transport anchor Fili16 - for double walls

-Where safety, price, DIN compliance, and quick installation are the priorities –



The BGW- transport anchor Fili16 - for double walls.
This double wall anchor consists of stirrups made of approved DIN 488 steel and a crossbar (compression bar) made of S235 material.
The cross strut is molded at both ends to fit the legs of the anchor bracket. This molded cross strut is inserted into the bent corners of the set square and is secured in place with the closed rubber band by folding it over and hooking it in on the stop corner of the set square.

This transport anchor is specially designed for installation during the manufacture of double walls using a turning station.

The pressure bar is shaped at both ends so that it fits securely onto the anchor legs. It is positioned directly at the bends of the anchor legs to prevent deformation of the stop triangle under the wall load. During installation, ensure that the concrete cover of the legs is at least 10 mm.

The rubber band is intended for temporary, i.e., provisional fixing of the Cross strut until the anchor bracket has been set in concrete.
Without a Cross strut between the anchor legs, the load of the concrete wall could not be supported.
The anchor legs would be torn out of the concrete shell.
A cross strut shaped at the front, as in Fili14 and Fili16, bears more than a weld seam.
Once the concrete has hardened, it permanently secures the Cross strut in place, preventing the anchor legs from being torn out of the concrete shells toward the center of the wall under the load of the Double wall. Once the concrete has set, this rubber band is no longer needed.



Fili16 with reinforcing steel, Ø 12; Ø 14; Ø 16 and Ø 20
Load-bearing capacity tables/type calculation BGW double wall anchors Ø 12 and Ø 14 (PDF file)
Filis_16_20_type calculation.pdf
Video of the BGW tensile test – Fili16 (Ø 12 mm): https://www.bgw-bohr.de/video/Zugtest-Doppelwandanker-2.mp4
Images of the BGW tensile test – Fili16: https://www.bgw-bohr.de/pdf/Zugtest_Fili14_Bilder.pdf
Photo documentation of type testing
https://www.bgw-bohr.de/pdf/Filigrananker_Fotodokumentation.pdf

Fili16 with reinforcing steel, load level 3.7 t

Item no.	Wall width mm	Anchor width b mm	Weight kg	PU	Price €/ piece
1612120	180	120	0,81	500	2,81
1612130	190	130	0,81	500	2,81
1612140	200	140	0,82	500	2,82
1612150	210	150	0,83	500	2,83
1612160	220	160	0,84	500	2,84
1612170	230	170	0,85	500	2,85
1612180	240	180	0,86	500	2,86
1612190	250	190	0,87	500	2,87
1612200	260	200	0,88	500	2,88
1612210	270	210	0,89	500	2,89
1612220	280	220	0,89	500	2,89
1612230	290	230	0,90	500	2,90
1612240	300	240	0,91	500	2,91
1612250	310	250	0,92	500	2,92
1612280	340	280	0,95	350	2,95
1612300	360	300	0,97	350	2,97



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- transport anchor Fili16 - for double walls

Fili16 with reinforcing steel, load level 4.5 t



Item no.	Wall width mm	Anchor width b mm	Weight kg	PU	Price €/ piece
1614120	180	120	1,09021	500	3,09
1614130	190	130	1,10231	500	3,10
1614140	200	140	1,11441	500	3,11
1614150	210	150	1,12651	500	3,13
1614160	220	160	1,13861	500	3,14
1614170	230	170	1,15071	500	3,15
1614180	240	180	1,16281	500	3,16
1614190	250	190	1,17491	500	3,18
1614200	260	200	1,18701	500	3,19
1614210	270	210	1,19911	500	3,20
1614220	280	220	1,21121	500	3,21
1614230	290	230	1,22331	500	3,22
1614240	300	240	1,23541	500	3,24
1614250	310	250	1,24751	500	3,25
1614280	340	280	1,28381	300	3,28
1614300	360	300	1,30801	300	3,31

Fili16 with reinforcing steel, load level 5.8 t

Item no.	Wall width mm	Anchor width b mm	Weight kg	PU	Price €/ piece
1616120	180	120	1,42	250	3,42
161613000	190	130	1,436	250	3,44
1616140	200	140	1,452	250	3,45
1616150	210	150	1,458	250	3,46
1616160	220	160	1,484	250	3,48
1616170	230	170	1,499	250	3,50
1616180	240	180	1,515	250	3,52
1616190	250	190	1,521	250	3,52
1616200	260	200	1,547	250	3,55
1616210	270	210	1,563	250	3,56
1616220	280	220	1,578	250	3,58
1616230	290	230	1,594	250	3,59
1616240	300	240	1,61	250	3,61
1616250	310	250	1,626	250	3,63
1616280	340	280	1,673	200	3,67
1616300	360	300	1,705	200	3,71

Fili16 with reinforcing steel, load level 8.5 t

Item no.	Wall width mm	Anchor width b mm	Weight kg	PU	Price €/ piece
1620120	180	120	2,2196	175	4,22
1620130	190	130	2,2444	175	4,24
1620140	200	140	2,2692	175	4,27
1620150	210	150	2,294	175	4,29
1620160	220	160	2,3188	175	4,32
1620170	230	170	2,3436	175	4,34
1620180	240	180	2,3684	175	4,37
1620190	250	190	2,3932	175	4,39
1620200	260	200	2,418	150	4,42
1620210	270	210	2,4428	150	4,44
1620220	280	220	2,4676	150	4,47
1620230	290	230	2,4924	150	4,49
1620240	300	240	2,5172	125	4,52
1620250	310	250	2,542	125	4,54
1620280	340	280	2,6164	125	4,62
1620300	360	300	2,666	125	4,67

BGW- transport anchor Fili16 - “self-assembly”



- These stirrups for the Fili16 double wall anchors can be easily curved and assembled yourself using your machine and your Material, following our bending instructions.

Here is a video: https://www.bgw-bohr.de/video/2020-10-28_Montage_Fili14.avi

With the double wall anchor "self-assembly," we supply you with the appropriate Cross strut and the closed rubber band, as well as the data rings corresponding to the Load level. These rings contain information about the anchor type, Load level, and Manufacturer, and are used to fix the Cross strut between the legs of the anchor bracket.

Advantages of self-assembly:

- Cost savings - Space-saving storage - Simplified logistics

The rubber band is intended for temporary, i.e., provisional fixing of the Cross strut until the anchor bracket has been set in concrete.
Without a Cross strut between the anchor legs, the load of the concrete wall could not be supported.
The anchor legs would be torn out of the concrete shell.
A cross strut shaped at the front, as in Fili14 and Fili16, bears more than a weld seam.
Once the concrete has hardened, it permanently secures the Cross strut in place, preventing the anchor legs from being torn out of the concrete shells toward the center of the wall under the load of the Double wall. Once the concrete has set, this rubber band is no longer needed.

Fili16 cross strut for load level 3.7 t

Item no.	Wall width mm	Weight kg	Price €/ piece
1612Q108	180	0,095	1,10
1612Q118	190	0,104	1,10
1612Q128	200	0,113	1,11
1612Q138	210	0,123	1,12
1612Q148	220	0,132	1,13
1612Q158	230	0,141	1,14
1612Q168	240	0,15	1,15
1612Q178	250	0,158	1,16
1612Q188	260	0,167	1,17
1612Q198	270	0,176	1,18
1612Q208	280	0,185	1,19
1612Q218	290	0,194	1,19
1612Q228	300	0,203	1,20
1612Q238	310	0,212	1,21
1612Q248	320	0,22	1,22
1612Q258	330	0,229	1,23
1612Q268	340	0,238	1,24
1612Q278	350	0,247	1,25
1612Q288	360	0,256	1,26
1612Q298	370	0,265	1,27
1612Q308	380	0,274	1,27
1612Q318	390	0,283	1,28
1612Q328	400	0,292	1,29

Fili16 Cross strut for load level 4.5 t

Item no.	Wall width mm	Weight kg	Price €/ piece
1614Q106	180	0,129	1,13
1614Q116	190	0,141	1,14
1614Q126	200	0,153	1,15
1614Q136	210	0,165	1,17
1614Q146	220	0,177	1,18
1614Q156	230	0,189	1,19
1614Q166	240	0,201	1,20
1614Q176	250	0,213	1,21
1614Q186	260	0,225	1,23
1614Q196	270	0,237	1,24
1614Q206	280	0,25	1,25
1614Q216	290	0,262	1,26
1614Q226	300	0,274	1,27
1614Q236	310	0,286	1,29
1614Q246	320	0,298	1,30
1614Q256	330	0,31	1,31
1614Q266	340	0,322	1,32
1614Q276	350	0,334	1,33
1614Q286	360	0,346	1,35
1614Q296	370	0,359	1,36
1614Q306	380	0,37	1,37
1614Q316	390	0,383	1,38
1614Q 326	400	0,395	1,40
1614Q 336	410	0,407	1,41
1614Q 346	420	0,419	1,42
1614Q 356	430	0,431	1,43
1614Q 366	440	0,443	1,44
1614Q 376	450	0,455	1,46
1614Q 386	460	0,467	1,47
1614Q 396	470	0,479	1,48
1614Q 406	480	0,491	1,49
1614Q 416	490	0,503	1,50

BGW- transport anchor Fili16 - “self-assembly”

Fili16 cross strut for load level 5.8 t

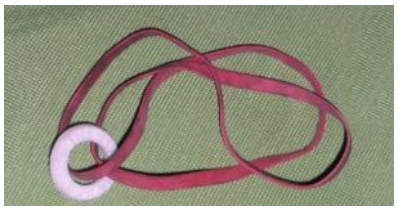
Item no.	Wall width mm	Weight kg	Price €/ piece
1616Q104	180	0,164	1,16
1616Q114	190	0,18	1,18
1616Q124	200	0,196	1,20
1616Q134	210	0,212	1,21
1616Q144	220	0,228	1,23
1616Q154	230	0,243	1,24
1616Q164	240	0,259	1,26
1616Q174	250	0,275	1,28
1616Q184	260	0,291	1,29
1616Q194	270	0,307	1,31
1616Q204	280	0,322	1,32
1616Q214	290	0,338	1,34
1616Q224	300	0,354	1,35
1616Q234	310	0,37	1,37
1616Q244	320	0,386	1,39
1616Q254	330	0,401	1,40
1616Q264	340	0,417	1,42
1616Q274	350	0,433	1,43
1616Q284	360	0,449	1,45
1616Q294	370	0,465	1,47
1616Q304	380	0,48	1,48
1616Q314	390	0,496	1,50
1616Q324	400	0,512	1,51

Fili16 cross strut for load level 8.5 t

Item no.	Wall width mm	Weight kg	Price €/ piece
1620Q100	180	0,248	1,25
1620Q110	190	0,273	1,27
1620Q120	200	0,298	1,30
1620Q130	210	0,322	1,32
1620Q140	220	0,347	1,35
1620Q150	230	0,372	1,37
1620Q160	240	0,397	1,40
1620Q170	250	0,422	1,42
1620Q180	260	0,446	1,45
1620Q190	270	0,471	1,47
1620Q200	280	0,496	1,50
1620Q210	290	0,521	1,52
1620Q220	300	0,546	1,55
1620Q230	310	0,57	1,57
1620Q240	320	0,595	1,60
1620Q250	330	0,62	1,62
1620Q260	340	0,645	1,65
1620Q270	350	0,67	1,67
1620Q280	360	0,694	1,69
1620Q290	370	0,719	1,72
1620Q300	380	0,744	1,74
1620Q310	390	0,769	1,77
1620Q320	400	0,794	1,79

Closed elastic band

Item no.	Price €/ piece
801510	0,10



BGW- Data carriers (data rings)

Item no.	Load level t	PU	Price €/ piece
56981	0,5	1000	0,20
56982	0,8	1000	0,20
56983	1,2	1000	0,20
56984	1,6	1000	0,20
56985	2,0	1000	0,20
56986	2,5	1000	0,20
56987	4,0	1000	0,20
56988	6,3	1000	0,20
56989	8,0	1000	0,20

BGW- Fili17 – The reusable transport system for double walls



Fili17 consists of the reusable "U-profile" component (80 × 45 × 6 mm length) and the magnetic base with a concrete cover of 50 mm. All system components are reusable.
One system covers all wall thicknesses, all Load levels, and all concrete shell thicknesses – you no longer need storage space for your many different double wall Transport anchors. No more cold bridges due to the Transport anchor bracket. Buy once, use every day – Fili17.
One investment – and you no longer have to think about double-wall transport anchors. No more anchor problems. The previous ongoing issue of "double-wall transport anchors" is now a thing of the past. The slinging equipment for transport can be installed at the concrete plant.
Once the reinforcement for the wall formwork has been laid, the component is positioned on the upper side of the double wall formwork, on the edge formwork, using the magnetic spacers and the U-profile of the "Fili17" screwed to it. If the double wall shell is to be transported or rotated with the "Fili17", a "Fili17" must also be inserted on the opposite side, i.e. at the bottom, on the edge formwork and concreted into the double wall shell. Care must be taken to ensure that distribution irons are also inserted in the magnetic base as far as possible in the later direction of pull. The "Fili17" U-profile must not be over-concreted and must remain free. The wall formwork with the cast-in double wall spacers or lattice girders is lifted from the formwork floor using straps or chain slings, raised and placed on the double wall inner side. In order to be able to subsequently immerse the double wall shell into the second wall shell, which has been prepared and concreted in the meantime, the "Fili17" that have not yet been attached to the horizontal first wall shell must be fitted with straps or chain slings.Once all attachment points have been connected, the first wall formwork is immersed in the prepared concrete bed of the second concrete shell and vibrated into place.
If the second wall shell is concreted, another "Fili17" must be concreted in opposite double walls with a width of more than 240 mm. For walls with a width of less than 240 mm, the second "Fili17" is installed offset by approx. 120 mm (to the right or left) so that the two anchor legs do not collide. The "Fili17" installed at the bottom of the double wall, which were used to turn the first double wall shell and are no longer needed for further transport, can be removed and reused. These "Fili17" can be removed from the hardened concrete in the precast concrete plant and reused when installing other double walls. The system's own slinging equipment, such as straps and chain slings, can be brought to the construction site by the transport company during transport, attached to the component, and then removed again after assembly and reused for the next component. The slinging option can be transported to the construction site together with the component and removed again after assembly. The openings for the magnetic Fili17 must always be used in pairs and opposite each other. Load tables using the magnetic base Ø 50/45. The usable suspension loads increase with a larger counter surface.



Item no.	Type	Profile U DIN 10279	Length Approx. mm	Load level Per pair Axial Opposite	Load level Erect From the control panel		Load level In pairs 60° inclined pull	Weight kg	PU Galvanised	Price
178045	Fili17	80/45	600	4,0t	2,0t		4,0t	5,5	2	18€



Magnetic base Concrete cover 50 mm



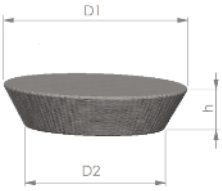
Item no.	Fili17 Base Ø	Height	Concrete Coverage mm	Adhesive force kg	Thread Ø x length	Weight Pieces/kg	Price per piece €
HM4- Fili17	50/45	10	50	100	M 16 x 25	0,275	70

Closing disc made of glass fiber concrete

For closing the openings of the magnetic base

Item no.	Fili17 Base Sealing disc	Height mm	Weight	PU	Price €/piece
HFAMV	Ø 49/44mm	9	0,040	100	5,76





Protective caps SW 24 M16

Item no.	Weight Protective caps	PU Pcs	Price per piece
0976	M16 H 53 mm	50	1,30€
0978	M16	50	0,50€





BGW- Fili18 – Double wall transport anchor for solid walls

For transporting double walls, hollow walls, filigree walls, double-shell walls



The reusable Fili18 transport anchor system consists of a magnetic base, which is used to position the DW15 anchor rod for sliding on the slotted tube for the desired wall thickness. The combination is then secured and compressed using the small base.

Installing the Fili18:
Slide the DW15 anchor rod onto the slit tube, which has been cut to length, with a little grease until the DW15 anchor rod protrudes on both sides. Screw the magnetic base and the small base onto the anchor rod by hand and check that the total length corresponds to the exact wall thickness.
Place this assembled component on the Formwork approx. 20 cm from the edge of the concrete shell. To reinforce this component against the direction of tension, wrap a reinforcement loop made of 10 mm reinforcement wire around it and cover with concrete. The finished double wall can be lifted off the reinforced anchor rod and placed on a shelf. To transport it to the construction site, the Fili18 is completely removed from the double wall by unscrewing the magnetic base and then removing the DW15 anchor rod on the opposite side. This reduces the diameter of the slotted tube, which can now also be removed. This leaves a reinforced hole which is then used to accommodate the DW15 anchor rod pushed through this hole when the Double wall is assembled.
During assembly, a DW15 anchor rod that is approx. 30 cm longer than the Double wall is inserted through this hole. If the Double wall is lighter than measured in the bending tests below, the component can be lifted with the Coupling bands after the DW15 anchor rod has been secured on both sides with swivel nuts with plate supports.
If the cavity in the Double wall has an internal distance of 120 mm, then our anchor rod DW15 with a safety factor of 2.5 can be used with 1.3 t at a distance of 140 mm, 1.2 t at 180 mm, 1.1 t at 240 mm, 0.9 t at 300 mm, 0.7 t at 360 mm, and 0.6 t at higher loads, the anchor rod DW15 may bend permanently.
For higher loads than those measured in the bending tests between the wall shells when transporting the double wall, our DW15 anchor rod is inserted through this hole in the double wall and also protrudes approx. 0.3 m on both sides to accommodate the load-bearing device and the DW15 swivel nuts.
See Figure 3.

BGW transport loops Fili18 Galvanised

Item no.	Load level t only 90°	Load level per pair Pull 90°	Flange diameter mm	Cone Ø mm	rope Ø mm	Height approx. mm	Weight kg approx. piece	PU pieces	Price €/piece
Fili18 TS2,5	2,5	5T	44x10	25x20	12	600	1,2	26	48,00





Magnetic stand

Item no.	Ø D1 mm	Ø D2 mm	h1 mm	Weight kg	PU	Price €/piece
Fili18StGM	50	45	10	0,275		80





BGW- Fili18 double wall transport anchor



Small stand

Item no.	Fili18 Small stand Ø	Ø D1 mm	Ø D2 mm	h1 mm	Weight kg	Price per piece €
Fili18Stkl		25	22	34		

BGW- Anchor rod

Item no.	Length mm	Weight kg / m	Price € / piece bare	Price € / piece Galvanised
DW15180	480	0,701		
DW15200	500	0,730		
DW15240	540	0,788		
DW15250	550	0,803		
DW15300	600	0,876		
DW15360	660	0,964		
DW15400	700	1,022		



BGW- Slotted tube

Item no.	Ø outside mm	Length mm	Weight kg / m	Price € / piece
Slr180	20	150	0,023	
Slr200	20	170	0,026	
Slr240	20	210	0,033	
Slr250	20	220	0,034	
Slr300	20	270	0,042	
Slr360	20	330	0,051	
Slr400	20	370	0,057	





BGW- Anchor rod nut/swivel nut

Item no.	Weight kg	PU piece	Price € / piece
DW15M	0,250	1	6,20



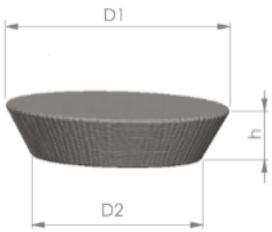
BGW- Sealing plug / closing disc made of glass fiber concrete for Fili18
For closing the openings of the small and large (magnetic) base of different sizes.



Small base / Large (magnetic) base

Item no.	Ø D1 mm	Ø D2 mm	h1 mm	Weight kg	PU	Price €/piece
Fili18StklV	24	21	34	0,025	100	3,70
Fili18StGMV	49	44	8	0,040	100	4,76





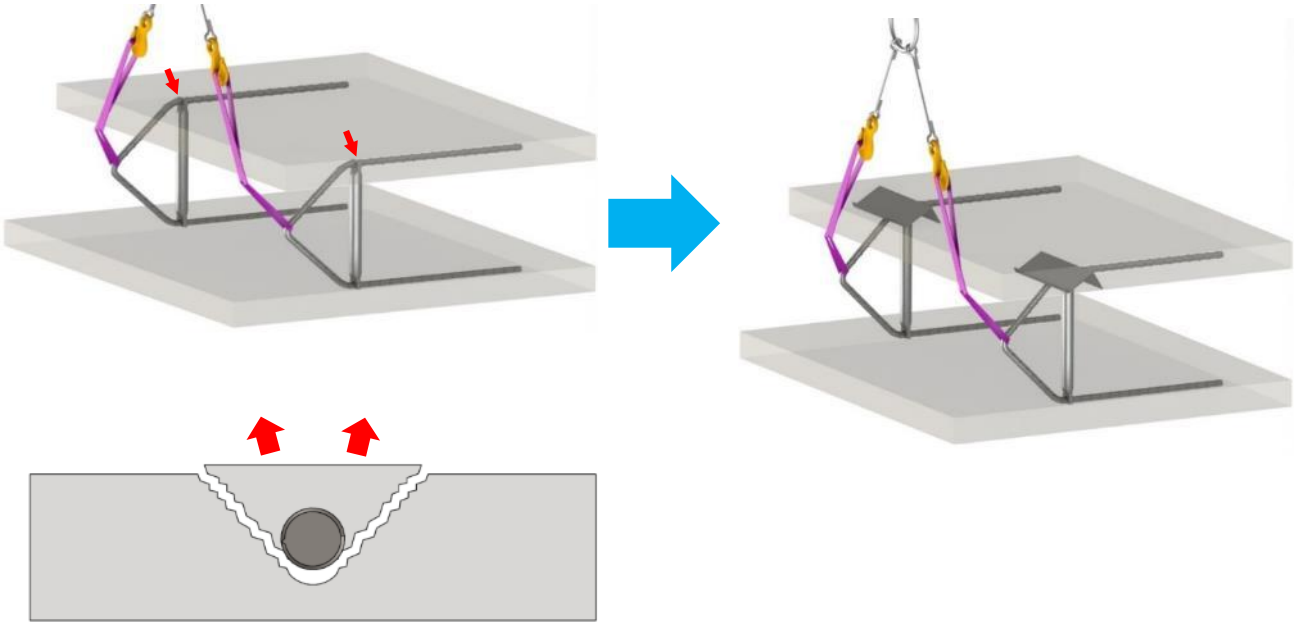
Einbauanleitung unter:
Einbauanleitung
Verschlussscheiben –
Verschlussschrauben
- Verschlussteller
(Suche über Strg + F)



BGW- installation reinforcement (Fili) for BGW- (DWA)

Double wall transport anchor

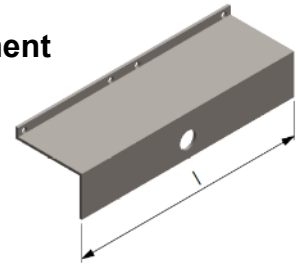
The erection reinforcement is a component of the BGW double wall Transport anchors system.
The BGW erection reinforcement is recommended to prevent cracks, especially when erecting and transporting double walls in a horizontal position. The erection reinforcement works by increasing the surface area between the filigree anchor and the concrete. This distributes the weight of the precast concrete element over a larger area, thus preventing cracks from forming in the load zone.



The erection reinforcement is usually a double-folded, rigid sheet metal part that is pushed over an anchor rod of the double wall anchor and attached to the stop triangle. The erection reinforcement can also be installed retrospectively before concreting when mounting the double wall anchor. It is installed in the wall shell that is at the top during transport.
With a concrete strength of C 25/30 for the load-bearing wall shell and a concrete shell thickness of approx. 60 mm, concrete breakage or initial cracks only occur at a minimum of 2500 kg per double wall anchor.

BGW- Installation reinforcement

Item no.	l mm	Price €/piece
4646	200	1,95





Cable ties

(for attaching BGW- installation reinforcement to the anchor)

Item no.	Price 100 pieces
56484	2,60



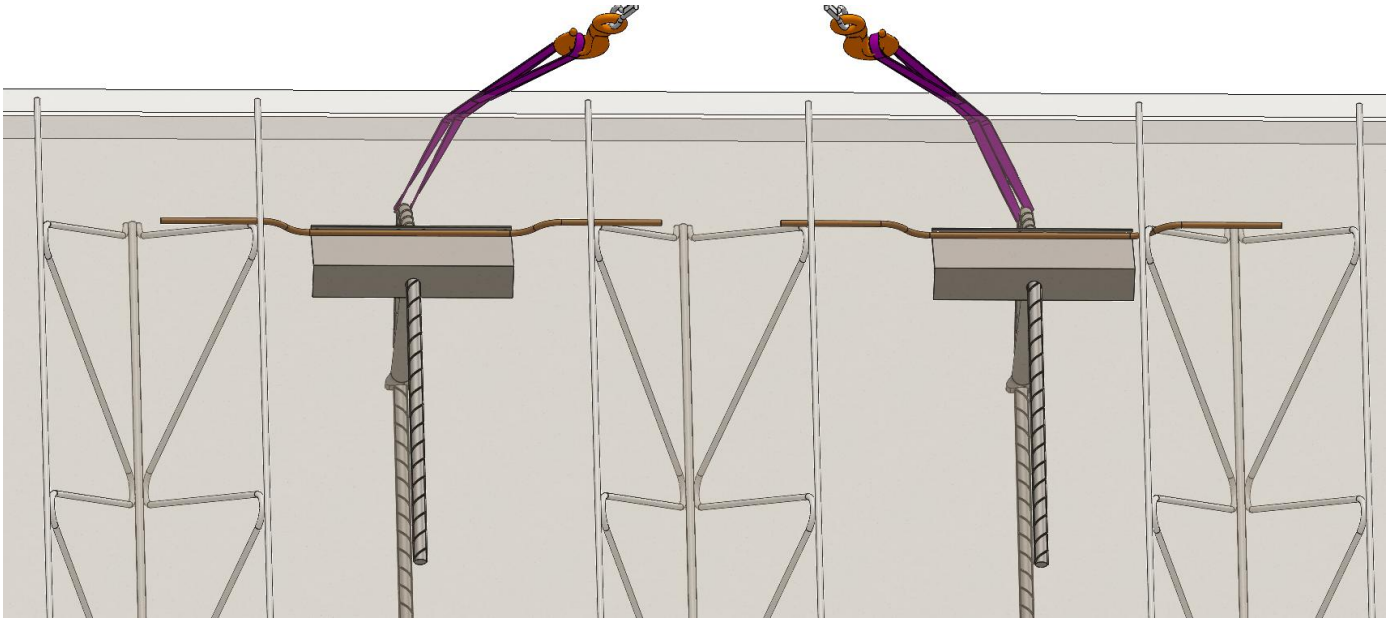
Photo documentation Type testing
https://www.bgw-bohr.de/pdf/HP_Fotodokumentationen/Fotodokumentation_DWA_Ausziehversuche.pdf
Images of the tensile test BGW- Fili14 with reinforcement:
https://www.bgw-bohr.de/pdf/Zugtest_Fili14_Bilder.pdf
Video of the tensile test BGW- Fili14 with reinforcement:
https://www.bgw-bohr.de/video/zugtest-Doppelwandanker.mp4
Video of the BGW- Fili14 tensile test (Ø 12 mm):
https://www.bgw-bohr.de/video/Zugtest-Doppelwandanker-2.mp4

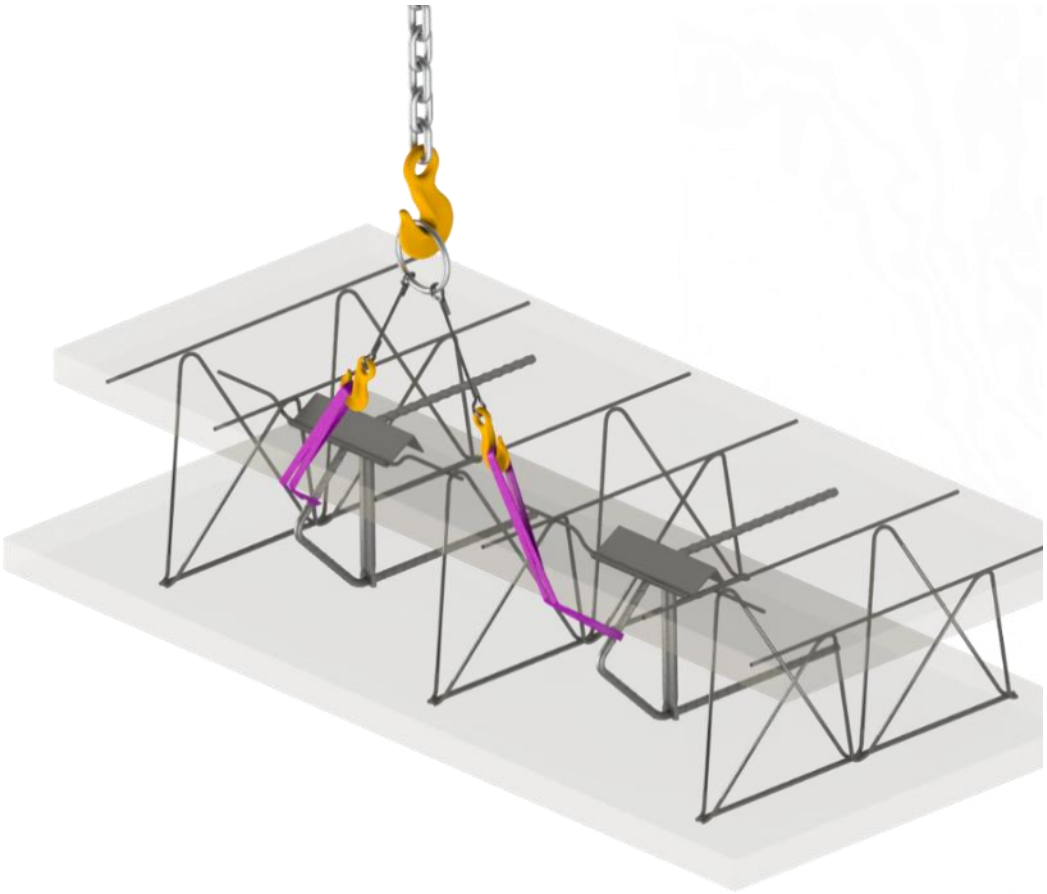
BGW- installation reinforcement (Fili) for BGW- (DWA)

Double wall transport anchor

Installation instructions for maximum load capacity:

To do this, place the double wall anchor between the lattice girders. In addition, a Reinforcing bar (approx. Ø 12 mm) is attached directly to the installation reinforcement along the channel of the installation reinforcement. This Reinforcing bar must overlap the adjacent lattice girders or be attached to these lattice girders. The formwork reinforcement must be secured in place so that it cannot slip during compaction of the concrete. The formwork reinforcement is installed in the first concrete shell. The concrete in this shell is normally at least one day older and stronger than the subsequent wall shell.





BGW- Double wall spacers = DWAH

For producing double walls, cavity walls, filigree walls, double-shell walls

The double wall spacer (DWAH) is a built-in component that is installed in double walls during construction. This component significantly determines the wall thickness and concrete cover of the double wall.
The double wall spacer (DWAH) is made of Ø 10 mm concrete rib steel curved U-stirrups.

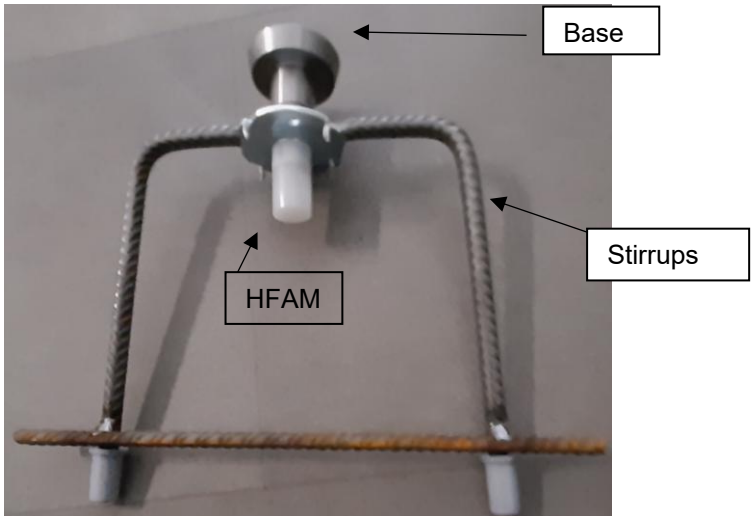
The legs of the U-stirrup are secured at the end by a welded strut to prevent the U-stirrup from bending open. Plastic caps approx. 30 mm long are fitted to the contact legs of the U-stirrup. A plug-in sleeve for the base is welded to the center of the stirrup.

The height of the DWAH corresponds to the wall thickness minus the concrete cover of the wall shell to be concreted first and can be supplied in any desired concrete cover thickness.

Such a double wall spacer – if not additionally reinforced with stirrups – can bear approx. 1000 kg with 20 mm concrete cover. The concrete on the side opposite the base fails.

The M16 thread in the double wall spacer, to which the base was screwed, can be used to attach diagonal supports during double wall installation.
The thread is protected by a plastic cap.

Item no.	Wall thickness mm	Concrete cover of the first shell mm	Stirrup height mm	Stirrup width approx. mm	Weight kg/piece	Price €/piece
DWAh180	180	30	150	200	0,470	2,45
DWAH200	200	30	170	200	0,500	2,50
DWAH220	220	30	190	200	0,550	2,60
DWAH240	240	30	210	200	0,575	2,65
DWAH250	250	30	220	200	0,587	2,70
DWAH300	300	30	270	200	0,650	2,80
DWAH360	360	30	330	200	0,685	2,90
DWAH400	400	30	370	200	0,740	3,00



BGW- Double wall spacer (DWAH) - Accessories

For producing double walls, hollow walls, filigree walls, double-shell walls

Base with magnets for steel formwork

This base version is used to hold the DWAH double wall spacer and is designed to be screwed onto HFAM M16. These threads can be used to secure supports after removing the base for transporting the double wall and during wall installation. The base is available with M16 thread sizes and is designed as standard for a concrete cover of 30 mm for the HFAM threaded parts. However, the base can be supplied in any desired concrete cover.

Item no.	Concrete cover mm	Thread M	PU	Price €/piece
Standfuß 30 M16	30	M16	1	85



Threaded anchors for fastening the diagonal supports or for transporting the finished horizontal Double wall.

Item no.	Load level Metal Axial t As an assembly aid	Load level t HFAM installed as a transport anchor under the Reinforcement applies to all tensile directions	Diameter of the anchoring surface mm	Thread	PU	Weight kg/piece	Price €/piece
HFAM16	4,3	2,0	60x3	M16	1000	0,074	1,88

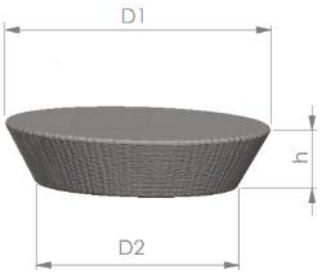




BGW- Glass fiber reinforced concrete sealing plug for wall spacers / For sealing the opening of the base

Item no.	Ø D1 mm	Ø D2 mm	h1 mm	Weight kg	PU	Price €/piece
HFAMV	49	44	9	0,040	100	5,76





BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- wall spacer (AH) for double walls

Wall spacer made of concrete ribbed steel Ø 10 mm with Cross strut and plastic cap (spacer cross)
The cap has 30 mm concrete cover, is 30 mm long and 30 mm high on the outside and 27 mm deep on the inside. The edge, the cap edge, is a water barrier that prevents water from penetrating the wall spacer into the component. This wall spacer is a built-in component that is also required in the production of double walls in order to achieve the correct wall thickness. During installation, the cross side of the wall spacer must first be set in concrete at a right angle to the Formwork. After the concrete of the first wall formwork has hardened and this has been inserted into the second double wall shell, the cross bar of the cross side holds the pressure of the first concrete shell, which is now on top and would otherwise sag downwards onto the second wall side. The side of the Double wall that is now on top is kept at exactly the right distance from the freshly concreted wall formwork until the concrete has hardened. The wall spacer to be installed should be installed approximately every meter.

Item no.	Wall thickness mm	Weight kg approx.	PU Piece	Price €/piece
5153	170	0,160	3000	1,02
5141	180	0,166	3000	1,02
5146	190	0,173	3000	1,04
5140	200	0,179	3000	1,04
5150	210	0,185	3000	1,10
5165	220	0,191	3000	1,12
5151	230	0,197	3000	1,12
5142	240	0,204	3000	1,14
5143	250	0,210	3000	1,14
5144	300	0,241	3000	1,22
5152	320	0,253	3000	1,26
5149	340	0,265	3000	1,28
5159	350	0,271	3000	1,28
5145	360	0,278	3000	1,32
5160	400	0,302	3000	1,38



Wall spacer Ø 8 mm with claw (up to upper chord 8 mm or 10 mm)
The claws of the wall spacer are made of plastic. These plastic claws, into which the Ø 8 mm Reinforcing bar is pressed to a depth of 34 mm, have a total length of 56 mm. There are transverse openings at the ends of the plastic claws through which the liquid concrete flows. The concrete cover, i.e. the distance between the Reinforcing bar and the concrete surface, is 22 mm. During installation, the claw is attached to the lattice girder at right angles to the Formwork. One of the claws has the opening facing to the right, the other faces to the left and is cast into the first shell. When concreting, make sure that the wall spacer rests on the formwork floor. When concreting the second wall shell, the grooved surface of the embedded claw absorbs the pressure from the first shell. The wall spacer should be installed in every corner and at intervals of 0.5 m to 1 m. This prevents the front plastic part of the spacer from being compressed too much by the weight of the first wall shell. Once the wall is finished, the front impressions of the spacers can be seen.

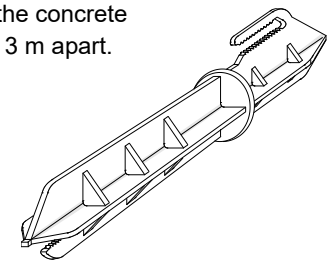
Item no. up to OG 8 mm	Wall thickness mm	Weight kg approx.	PU piece	Price €/piece
5200	180	0,072	3000	0,96
5202	200	0,080	3000	0,96
5204	240	0,095	3000	1,04
5206	250	0,099	3000	1,08
5208	300	0,119	3000	1,16
5210	350	0,139	3000	1,26
5212	360	0,143	3000	1,28
Item no. up to 10 mm	**Wall thickness mm**	**Weight kg approx.**	**PU piece**	**Price €/piece**
5220	180	0,072	3000	1,08
5222	200	0,080	3000	1,08
5224	240	0,095	3000	1,14
5226	250	0,099	3000	1,20
5228	300	0,119	3000	1,28
5230	350	0,139	3000	1,40
5232	360	0,143	3000	1,44



BGW- Assembly aids (Quickie)

BGW- wall spacer (AH) for double walls – Type Hering

is a built-in component that is required in the production of double walls in order to fix the desired wall thickness . During installation, the claw is attached to the lattice girder at a right angle to the Formwork and the first shell is poured. When the second shell is concreted, the surface of the ring embedded in the concrete Ring absorbs the pressure of the first shell. Installation quantity: in each corner and every 2 to 3 m apart.



Item no.	Wall thickness mm	Weight kg approx.	PU Piece approx.	Price €/piece
5300	180	0,042	3500	1,28
5301	200	0,042	3200	1,32
5302	240	0,062	3000	1,38
5303	300	0,062	2700	1,50

Other lengths available on request

BGW- Quickie for wood screws (plastic)



The BGW- Quickie is a plastic grout anchor that is glued to the steel formwork and set in concrete to facilitate the fastening of supports during the installation of precast concrete elements. A Ø 12x70 mm wood screw is used to fasten the support to the Quickie, which is screwed into the Quickie with an electric screwdriver until it stops.

Item no.	Description	Weight kg/piece	PU /piece	Price €/piece
5125	Quickie for wood screw Ø 12 mm	0,030	500	1,10
5126	Quickie for wood screw, lightweight concrete – with 3 holes Ø 7 for sewing	0,037	900	1,48





BGW- Hexagonal wood screw for Quickie

Item no.	Description	Type d x h mm	PU /piece	Price €/piece
56307	Wood screw DIN571, Galvanised	M8 x 40	100	0,27
563071	Wood screw DIN571, Galvanised	M 8 x 80	100	0,27
56934	Wood screw DIN571, Galvanised	M10 x 60	100	0,27
56281	Wood screw DIN571, Galvanised	M10 x 100	100	0,27
56273	Wood screw DIN571, Galvanised	M12 x 70	100	0,27
561781	Wood screw DIN571, Galvanised	M12 x 80	100	0,29
561782	Wood screw DIN571, Galvanised	M12 x 100	100	0,32

Plastic Quickie for wood screw∅ 12 mm

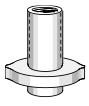
Item no.	For ∅	Weight	PU	€/piece
5125	12 mm	0,030 kg	1100 pieces	1,22
5126	Liapor	0,037 kg	900 pieces	1,64





ringanchor M 16

Item no.	Thread	Weight	PU	€/piece
0002M	M12	0,105 kg	250 pieces	2,04
0004M	M16	0,105 kg	250 pieces	2,46



plug M 16 x 50

Item no.	Thread	Weight	PU	€/piece
	M16	0,060 kg	250 pieces	0,98



BGW- CNC bending machine for double wall anchor brackets Ø 12 and Ø 14

We present a reliable, brand-new bending machine that has been specially developed for the gentle bending of double-wall anchor brackets with diameters of Ø 12 and Ø 14. Equipped with all programs and a roller straightening unit, it enables fast and precise work with steel without leaving any residual material behind. The CNC control system is very easy to use, and all bending programs are already included.
Our offer includes not only free delivery, but also comprehensive one-day training for your employees at our German factory. We attach great importance to ensuring that your team can make optimal use of all functions to increase productivity and achieve first-class results.
The bending machine only requires a 32-amp power connection, making it easy to integrate into your existing infrastructure. The total price for this powerful device is €40,000, including all the services mentioned.
Contact us today for more information or to arrange a personal consultation.

Video: Here you can find a brief insight into the machine in operation & bending machine in use

Brand new bending machine



Bending machine in use

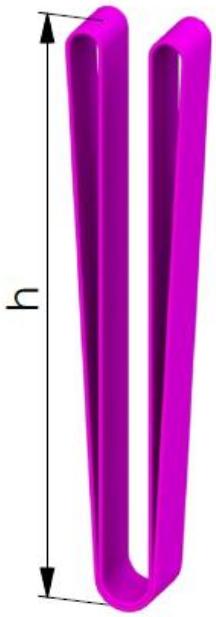




BGW- coupling strap the installation aid for walls

Installation without climbing

Advantages



No more ladders needed => Lower risk of accidents when hooking in and releasing
Faster hook-in and release of wall elements

The BGW coupling strap is an important component of the BGW double wall transport anchor system. The BGW coupling strap is used to avoid climbing walls when attaching the load-bearing device.

The BGW coupling strap can be pulled into the wall, which is still lying on the ground, using the transport anchors in the precast plant. The BGW coupling strap must be able to slide freely in the attachment area of the double wall anchor so that it can be pulled out of the attachment area of the anchor after one strand of the coupling band has been unhooked from the attachment sling. You can see how it works in practice in the film: https://www.bgw-bohr.de/video/BGW-Kupplungsband-Filigrananker.mp4

The BGW coupling band, item no. 4640, is approx. 6 m long. With a standing wall 3 m high, the rigger can unhook the band from the transport sling hook at a height of approx. 1.5 m while standing on the ground.

This brings us a step closer to meeting the requirements of the employers' liability insurance association for ladder-free construction sites. Ladders and other aids are no longer needed as often.



To prevent the coupling bands from being damaged by sharp-edged concrete, the double wall must be chamfered in the area of the transport anchors when the double wall is concreted.

As soon as the coupling band is damaged, it must be replaced with an undamaged one.

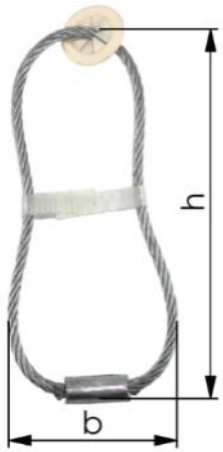
BGW- Coupling bands for filigree anchors

Item no.	Load level t	h mm	Weight kg/piece	Price €/piece
4640	4,8t	1500	0,730	7,00
4641	4,8t	625	0,290	5,80

Video of the application

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- concrete loops (BS loop) made of wire rope (Galvanised)/PP



BGW- Wire rope concrete loops are Transport anchors for precast concrete elements.
The concrete loops can be installed so that the wire rope protrudes above the precast concrete element. This means that this side of the component should no longer be visible after installation.
For recessed installation, a recessed body is used to ensure that the wire rope of the concrete loop is a few cm below the concrete surface.
With this recessed installation, it is important to ensure that the recess body is always adapted to the load level of the wire rope and can then be attached with the hook of the slinging equipment that matches the load level of the Rope loop.
The openings can then be closed with exposed concrete discs.

Load capacity tables, instructions for use, type calculation, and type testing:
https://www.bgw-bohr.de/pdf/Betonschlaufen_Tragfähigkeitstabelle_Verwendungsanleitung.pdf
https://www.bgw-bohr.de/pdf/Betonschlaufen_Fotodokumentationen.pdf

EC declaration of conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen/EG-Konf_BGW-_Betonschlaufe_alle_Laststufen.pdf

Please note:

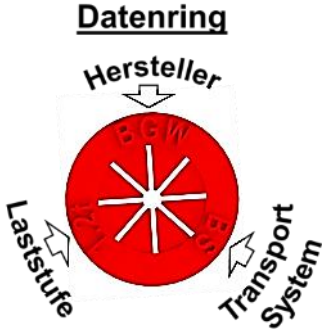
Concrete slings must be protected from crushing, corrosion, and buckling during storage and processing.
Aluminum rope clamp – also available in steel on request

BGW- Concrete slings made of wire rope, Galvanised

Item no.	Load level t	rope Ø mm	h mm	b mm	Width Strapping mm	Color Data ring	PU piece	Weight kg/piece	Price €/piece
4500	0,80	6	200	85	65	Pure white	100	0,07	1,70
4502	1,20	7	225	90	70	fire red	100	0,10	2,00
4504	1,60	8	245	100	70	Light pink	50	0,15	2,10
4506	2,00	9	265	125	95	white-green	50	0,21	2,80
4508-260	2,50	10	260	140	70	Anthracite gray	20	0,28	2,90
4508	2,50	10	285	140	115	Anthracite gray	20	0,28	2,90
4510	4,00	12	345	160	130	Emerald green	10	0,46	4,10
4512	5,20	14	390	180	160	curry yellow	1	0,70	5,90
4514	6,30	16	415	210	180	Light blue	1	1,02	8,20
4516	8,00	18	460	220	170	silver gray	1	1,60	11,30
4519	10,00	20	510	250	180	Bordeaux purple	1	2,10	16,90
4520	12,50	22	570	280	225	sulfur yellow	1	3,12	20,80
4522	16,00	24	640	295	240	blue-purple	1	4,71	31,20
4524	20,00	28	715	320	260	Yellow-gray	1	5,28	46,00
4526	25,00	30	800	380	300	clay brown	1	6,10	57,60



Item no.	Load level t	rope Ø mm	h mm	PU piece	Weight kg/piece	Price €/piece
4527	28,00	32	765	1	7,70	89,10
4523	32,00	32	770	1	10,68	90,40
4525	37,00	36	950	1	13,44	118,80
4528	42,00	40	1000	1	12,00	195,20
4521	47,00	44	1100	1	16,42	211,00
4529	52,00	44	1200	1	17,44	251,00
4531	57,00	44	1350	1	25,00	266,00
4543	65,00	48	1430	1	30,00	315,00
4544	75,00	50	1530	1	46,00	389,00
4545	85,00	52	1680	1	55,00	417,00
4549	99,00	56	1800	1	68,00	511,00



BGW- concrete loops made of polypropylene

BGW- concrete loops made of polypropylene are almost identical in design to BGW- wire rope concrete loops. Concrete loops made of polypropylene are easier to handle due to their elasticity and low weight.

Aluminum rope clamp – also available in steel on request

Item no.	Load level t	rope Ø mm	h mm	Color Data ring	PU piece	Weight kg/piece	Price €/piece
4601	0,150	6	200	telemagenta	100	0,013	0,66
4600	0,250	8	220	telemagenta	100	0,030	0,77
4602	0,360	10	235	telemagenta	50	0,049	0,92
4603	0,500	12	255	pastellorange	50	0,082	1,28
4604	0,875	14	280	telemagenta	20	0,119	1,71
4605	1,000	16	330	-	10	0,202	2,15



BGW- concrete loops made of wire rope, galvanized special lengths

BGW- Wire rope concrete loops are Transport anchors for precast concrete elements whose attachment side is no longer visible after installation. They are therefore particularly suitable for prefabricated foundations, beams, and retaining walls.
Note: BGW concrete loops made of wire rope with special lengths are manufactured to customer specifications and, because some of them have different lengths than our standard concrete loops, are not type-tested. The rope qualities, rope press clamps, and data rings are the same as the type-tested ones.
Please note: Concrete slings must be protected from crushing, corrosion, and Buckling during storage and processing. Aluminum rope clamp – also available in steel on request

BGW (German Association for Work Safety) – Concrete loops made of wire rope, Galvanised – special lengths en

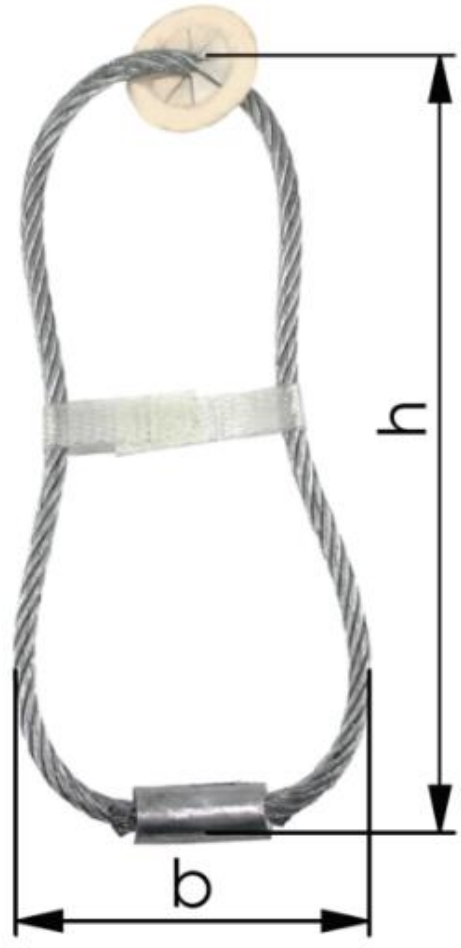
Item no.	Load level t	rope Ø mm	h mm	b mm	Color Data ring	PU piece	Weight kg/piece
4503	0,5		300		pastel orange	100	0,076
4500-2	0,8		200		pure white	100	0,080
4532	0,8		400		pure white	100	0,131
4500-550	0,8	6	550	85	Pure white	100	0,150
4500-600	0,8	6	600	85	pure white	100	0,178
4501	0,8	6	800	85	Pure white	100	
4502-400	1,2	7	400	90	fire red	100	0,080
4502-500	1,2	7	500	90	fire red	100	0,304
4533	1,6	8	300	100	Light pink	50	0,131
4504-330	1,6	8	330	100	Light pink	50	
4504-460	1,6	8	460	100	Light pink	50	0,283
4504-500	1,6	8	500	100	Light pink	50	
4504-545	1,6	8	545	100	Light pink	50	0,287
4504-600	1,6	8	600	100	Light pink	50	0,314
4506-360	2,0	9	360	125	white-green	50	0,255
4506-400	2,0	9	400	125	white-green	50	0,532
4506-600	2,0	9	600	125	white-green	50	
4508-330	2,5	10	330	140	Anthracite gray	20	0,416
4508-600	2,5	10	600	140	Anthracite gray	20	0,536
4508-620	2,5	10	620	140	Anthracite gray	20	
4508-750	2,5	10	750	140	Anthracite gray	20	0,310
4508-900	2,5	10	900	140	Anthracite gray	20	0,737
4508-1200	2,5	10	1200	140	Anthracite gray	20	
4510-500	4,0	12	500	160	Emerald green	10	0,623
4510-550	4,0	12	550	160	Emerald green	10	0,685
4510-600	4,0	12	600	160	Emerald green	10	0,800
4510-750	4,0	12	750	160	Emerald green	10	0,860



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- concrete loops made of wire rope, galvanized, special lengths

Item no.	Load level t	rope ⌀ mm	h mm	b mm	Color Data ring	PU piece	Weight kg/piece
4510-950	4,0	12	950	160	Emerald green	10	
4510-1050	4,0	12	1050	160	Emerald green	10	
4512-330	5,2	14	330		curry yellow	1	0,478
4512-340	5,2	14	340	80	curry yellow	1	0,580
4512-2	5,2	14	385	80	curry yellow	1	0,440
4514-380	6,3	16	380	210	Light blue	1	0,966
4514-600	6,3	16	600	210	Light blue	1	1,276
4514-620	6,3	16	620	210	Light blue	1	1,311
4514-700	6,3	16	700	210	Light blue	1	1,772
4514-1000	6,3	16	1000	210	Light blue	1	2,126
4514-1500	6,3	16	1500	210	Light blue	1	
4516-700	8,0	18	700	250	silver gray	1	2,32
4519-700	10,0	20	700	270	burgundy purple	1	2,96
4520-700	12,5	22	700	300	sulfur yellow	1	3,45
4518	15,0					1	5,874
4524-580	20,0	28	580		Yellow-gray	1	
4524-900	20,0	28	900		Yellow-gray	1	7,62
4526-650	25,0	30	650		clay brown	1	6,528
4526-900	25,0	30	900		clay brown	1	
4523-1250	32,0	32	1250	426		1	
4529-1750	52,0	44	1750	550		1	27,000





BGW- open concrete loop (BSO)

BGW open concrete loops, for installation even in narrow components. The non-slip stirrups made of strong Steel wire, which fits tightly against the wire rope, or the pressed-in Ring made of steel tubing ensures dimensional stability. The legs of the loop can be inserted deep into the component behind the Reinforcement and connected to the Reinforcement. The user is responsible for transferring the forces.
The rope cuts for the open concrete loop depend on the installation and can be determined by the customer, which will affect the price.

BGW- open concrete loop made of wire rope, Galvanised

Item no.	Load level t	rope Ø mm	Cut l mm	Width Strapping mm	Color Data ring	PU piece	Weight kg/piece	Price €/piece
4500O	0,8	6	940	65	Pure white	100	0,130	4,25
4502O	1,2	7	1.000	70	Fire red	100	0,190	5,00
4504O	1,6	8	1.200	70	Light pink	50	0,292	5,25
4506O	2,0	9	2.000	95	white-green	50	0,500	7,00
4509O	2,5	10	1.940	115	anthracite gray	20	0,739	
4508O	2,5	10	2.200	115	Anthracite gray	20	0,838	7,25
4510O	4,0	12	1.680	130	Emerald green	10	0,921	10,25
4511O	4,0	12	2.300	130	Emerald green	10	1,260	
4512-1	5,2	14	610	160	curry yellow	1	0,414	
4512O	5,2	14	2.000	160	curry yellow	1	1,358	14,75
4514O	6,3	16	2.250	180	Light blue	1	1,994	20,50
4516O	8,0	18	2.500	170	silver gray	1	2,200	28,25
4519O	10,0	20	2.750	180	Bordeaux purple	1	3,795	42,25
4520O	12,5	22	2.950	225	sulfur yellow	1	4,927	52,00
4522O	16,0	24	3.100	240	blue-purple	1	6,169	78,00
4524O	20,0	28	4.000	260	Yellow-gray	1	11,000	115,00
4526O	25,0	30	4.000	300	clay brown	1	13,000	144,00





BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Weldable concrete loop

The BGW- Weldable concrete loop is a standard type-tested BGW- concrete loop, also known as a BS anchor.



The difference between this and a concrete loop or BS anchor is that this concrete loop is equipped with additional pressed-on brackets. These brackets can be used to attach or weld the concrete loop to the Reinforcement bars to secure its position, even overhead. It is then firmly and inseparably connected to the Reinforcement and secured in position.

The concrete loop can be attached with soft wire o r with hard reinforcing bars for welding to the Reinforcement.

In the standard version, the concrete loop is supplied with the fastening option on the rope grout clamp ; the side fastening options are available on request.

The side fastenings are particularly recommended for so-called "open concrete loops" and for welding to the Reinforcement.

Item no.	Load level t	rope Ø mm	h mm	Wire length L mm	Wire Ø mm	Width Strapping/ mm	Width b mm	PU piece	Weight kg/unit	Price €/piece
4500S	0,80	6	200	100	2	65	85	100	0,07	2,20
4502S	1,20	7	225	100	2	70	90	100	0,10	2,60
4504S	1,60	8	245	200	2	70	100	50	0,15	2,75
4506S	2,00	9	265	200	2	95	125	50	0,21	3,65
4508S	2,50	10	285	200	2	115	140	20	0,28	3,80
4510S	4,00	12	345	200	2	130	160	10	0,46	5,35
4512S	5,20	14	390	200	2	160	180	1	0,70	7,70
4514S	6,30	16	415	250	2	180	210	1	1,02	10,65
4516S	8,00	18	460	250	3	170	220	1	1,60	14,70
4519S	10,00	20	510	250	3	180	250	1	2,10	22,00
4520S	12,50	22	570	300	3	225	280	1	3,12	27,00
4522S	16,00	26	640	300	3	240	295	1	4,71	40,60
4524S	20,00	28	715	300	3	260	320	1	5,28	59,80
4526S	25,00	30	800	300	3	300	380	1	6,10	74,80

BGW- concrete loop system for recessed installation

For various areas of application, it may be advantageous or necessary to implement a recessed installation of concrete loops. On the one hand, this can prevent damage to the ropes when stacking concrete elements, for example. On the other hand, the opening can then be sealed with mortar. For this purpose,



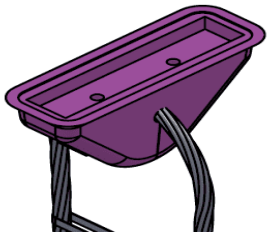
BGW offers a complete system. The system consists of:

- BS loop
- Polyurethane recess body: The size of the recess body is adapted to the chain hook of the respective Load level
- Retaining plate for nailing
- Magnetic retaining plate (type HM9)
- Demolding key for pulling the retaining plate from the recessed body
- Combination tool: for opening the recess body and removing the magnetic recessed body from the steel formwork.

Installation instructions:
https://www.bgw-bohr.de/pdf/Einbauanleitung_Betonschlaufen.pdf

BGW BS recess body – "boat" shape

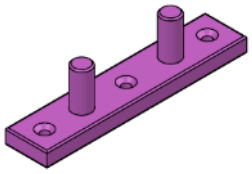
Item no.	Load level t	Length mm	Width mm	Price
16931	0,8	120	40	10,20
16932	1,2	120	50	14,20
16933	2,0	160	50	21,70
16934	2,5	160	50	25,70
16935	4,0	190	50	32,40



Other sizes available on request.

BGW nail retaining plate for BS recessed body in boat shape

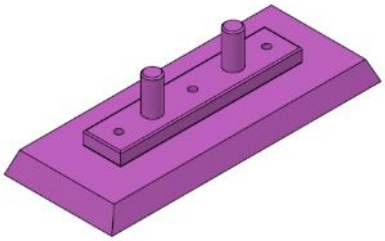
Item no.	Load level t	Length	Width mm	Price
16941	0,8	90	20	7,20
16942	1,2	90	30	10,80
16943	2,0	130	30	15,60
16944	2,5	130	30	15,60
16945	4,0	160	30	19,20



Other sizes available on request

BGW magnet HM9 for BS loop Concrete cover 12 mm

Item no.	Load level t	Adhesive force kg	Length mm	Width mm	Price
16951	0,8	100	150	70	85,00
16952	1,2	100	150	70	85,00
16953	2,0	100	200	80	95,00
16954	2,5	100	200	80	95,00
16955	4,0	150	230	80	135,00



Other sizes available on request

Additional accessories

Item no.	Description	Price
SchlüsselHM9	Tool for removing the magnet	17,90
	Release tool Length: 520 mm, sleeve 6.5 mm, sleeve 11 mm Ø	



Instructions for use:

The recess body and the adhesive magnet must be coated several times with a release agent on the side facing the concrete before first use.
The recess body is labeled with the load level, Manufacturer, and anchor type in accordance with BGR 106. This means that the information can be read in the recess after demolding.

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- angle loops and shaped bodies



BGW- Angle loops made of wire rope, Galvanised

BGW- Angle loops are suitable for installation in thin concrete elements such as ceilings, floor slabs, angle supports, and light wells.
The angle loop is additionally reinforced as required to transfer the load into the building. The eyelet for attaching the Crane hook can either protrude from the Plate or be installed with a recessed installation.
Variant: BGW- Angle loops with bendable angle for erecting concrete elements.

BGW- Angle loops can in principle be installed in many components. The BGW- Angle loop is made of Galvanised wire rope. To ensure that the flexible wire rope remains angled, the special iron rope clamp is angled approximately in the middle with the installed rope. The eye of the angle loop contains a data ring with information on the Manufacturer, load level, and anchor type. If there are any breaks or kinks in the wire rope, the angle loop must no longer be used. A thorough visual inspection must be carried out before each use of the angle loop.

A welding specialist can attach the Reinforcement for fixing the angle loop to the steel press sleeve. The load level of the angle loop indicated on the data ring always refers to the wire rope diameter. The user is responsible for ensuring that the forces acting on the wire rope are transferred to the component.

BGW- Concrete loops, angle loops also with Reinforcement already welded on

Data sheet: Installation and usage instructions:
https://www.bgw-bohr.de/pdf/Winkelschlaufe_Einbauanleitung.pdf

Item no.	Load capacity t	Loop h mm	Leg L mm	Steel cable d mm	Weight kg/piece	Price €/piece
4583	0,5	155	300	4		2,10
4584	0,5	200	300	4		2,20
4556	0,8	180	300	6	0,170	2,90
4557	1,2	180	400	7	0,250	4,20
4547	1,6	150	330	8	0,310	4,80
4558	2,0	180	500	9	0,450	5,30
4551120	2,5	120	630	10	0,420	5,70
4551	2,5	150	330	10	0,430	5,80
4551170	2,5	170	630	10	0,440	5,90
4546	2,5	180	350	10	0,490	6,00
4551200	2,5	200	350	10	0,510	6,10
4551240	2,5	240	630	10	0,550	6,40
4551270	2,5	270	350	10	0,540	6,90
4537	2,5	500	350	10	0,580	8,40
4553	4,0	160	380	12	0,670	9,30
4548	4,0	230	380	12	0,700	9,50
4590	4,0	240	630	12	1,400	10,50
4550	5,2	230	380	14	0,710	10,00
4550-1	5,2	290	290	14	0,755	10,50
4552	8,0	230	600	18	1,960	12,00





BGW- Angle loop with special fastener/special sleeve Can be bent straight



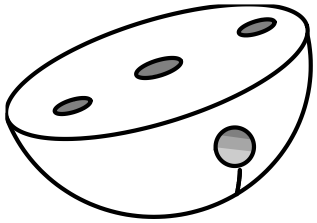
Item no.	Load capacity t	Loop h mm	Leg L mm	Steel cable d mm	Weight kg/piece	Price €/piece
4546-2	2,5	180	350	10	0,500	6,40
4550v	5,2	230	490	14	0,960	10,40

BGW- angle loops and shaped bodies

BGW- Molds for concrete loops,
Angle loops, half-round or boat-shaped

The BGW molded part is used to attach the concrete loop to the formwork during recessed installation

Item no.	Load capacity t	Ø rope mm	Price €/piece
1699	1,6	8	25,00
1691	2,5	10	25,00
1693	4,0	12	31,00
1694	6,3	16	65,00
1696	10,0	20	71,00





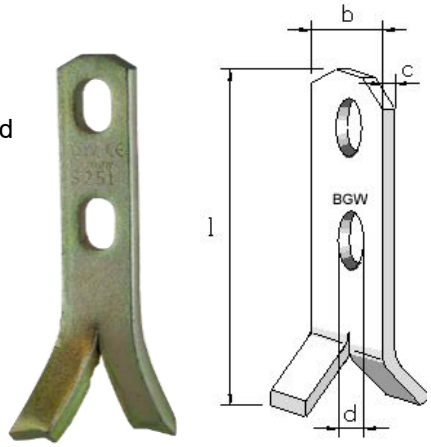


BGW- Concrete loop with welded rods



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- RKS expansion anchor



The BGW expansion anchor is a tried and tested transport anchor system. It is delivered ready for installation and is suitable for use in all precast concrete elements. Before using the expansion anchor, check the general conditions specified in the installation instructions. The BGW two-hole anchor is technically identical to the expansion anchor, but must be completed with Reinforcement in accordance with the installation instructions.

https://www.bgw-bohr.de/pdf/H+P RKS Type statics/RKS expansion anchor_Type statics_Instructions for use_Load tables.pdf

Stainless steel V4A and special lengths are available on request.

Item no.	Load group (t)	Length l mm	Flat steel b + c mm	Ø hole d mm	PU piece	Weight kg/piece	Price € (Blank)	Price € (Galvanised)	Price € (hot-dip Galvanised)
RKS-S-0,7-11	0,7	110	30 x 5	14 x 20	150	0,12	1,21	1,52	1,60
RKS-S-1,4-11	1,4	110	30 x 6	14 x 20	150	0,13	1,37	1,70	1,79
RKS-S-1,4-16	1,4	160	30 x 6	14 x 20	150	0,20	1,58	2,09	2,22
RKS-S-2,0-13	2,0	130	30 x 8	14 x 20	100	0,21	1,76	2,30	2,43
RKS-S-2,0-16	2,0	160	30 x 8	14 x 20	100	0,27	1,98	2,67	2,85
RKS-S-2,0-21	2,0	210	30 x 8	14 x 20	50	0,36	2,20	3,12	3,36
RKS-S-2,5-15	2,5	150	30 x 10	14 x 20	100	0,31	2,09	2,89	3,09
RKS-S-2,5-20	2,5	200	30 x 10	14 x 20	50	0,42	2,64	3,72	3,99
RKS-S-2,5-25	2,5	250	30 x 10	14 x 20	50	0,54	3,19	4,58	4,92
RKS-S-3,0-16	3,0	160	40 x 10	18 x 22	50	0,45	3,08	4,24	4,52
RKS-S-3,0-20	3,0	200	40 x 10	18 x 22	50	0,57	3,52	4,98	5,35
RKS-S-3,0-28	3,0	280	40 x 10	18 x 22	25	0,81	4,40	6,63	7,19
RKS-S-4,0-18	4,0	180	40 x 12	18 x 22	50	0,61	3,74	5,31	5,70
RKS-S-4,0-24	4,0	240	40 x 12	18 x 22	25	0,81	4,73	6,81	7,33
RKS-S-4,0-32	4,0	320	40 x 12	18 x 22	25	1,11	5,94	8,79	9,50
RKS-S-5,0-18	5,0	180	40 x 15	18 x 22	25	0,78	4,73	6,73	7,23
RKS-S-5,0-24	5,0	240	40 x 15	18 x 22	25	1,05	5,61	8,31	8,98
RKS-S-5,0-40	5,0	400	40 x 15	18 x 22	25	1,76	8,58	13,10	14,23
RKS-S-5,3-22	5,3	220	60 x 12	26 x 30	25	1,10	6,16	8,98	9,69
RKS-S-5,3-26	5,3	260	60 x 12	26 x 30	25	1,32	7,04	10,43	11,28
RKS-S-5,3-34	5,3	340	60 x 12	26 x 30	1	1,77	9,57	14,12	15,25
RKS-S-7,5-26	7,5	260	60 x 15	26 x 30	1	1,64	10,12	14,33	15,38
RKS-S-7,5-30	7,5	300	60 x 15	26 x 30	1	1,95	11,00	16,01	17,26
RKS-S-7,5-42	7,5	420	60 x 15	26 x 30	1	2,73	14,85	21,86	23,61
RKS-S-10,0-30	10,0	300	60 x 20	26 x 30	1	2,60	13,42	20,10	21,77
RKS-S-10,0-37	10,0	370	60 x 20	26 x 30	1	3,25	16,39	24,74	26,82
RKS-S-10,0-52	10,0	520	60 x 20	35 x 46	1	4,59	22,22	34,01	36,95
RKS-S-14,0-37	14,0	370	80 x 20	35 x 46	1	4,14	26,62	37,25	39,91
RKS-S-14,0-46	14,0	460	80 x 20	35 x 46	1	5,25	32,67	46,15	49,52
RKS-S-17,0-50	17,0	500	90 x 20	35 x 46	1	7,00	41,58	59,56	64,05
RKS-S-22,0-50	22,0	500	90 x 25	35 x 46	1	8,16	42,90	63,85	69,09
RKS-S-22,0-62	22,0	620	90 x 25	35 x 46	1	10,17	53,13	79,25	85,78

BGW- RKS expansion anchors ASK system accessories

BGW recess bodies are an important component of the BGW transport anchor system.
They are therefore dimensionally accurate and precisely tailored to our lifters, meaning that the use of other, non-BGW components will result in the system no longer being compatible and the warranty for the entire transport anchor system becoming void.

BGW- RKS recessed body rubber

Item no.	Load level t	Weight kg	Price €/piece
RKS-A -1,25	1,25	0,051	8,60
RKS-A -2,5	2,5	0,075	8,90
RKS-A -5,0	5,0	0,22	10,83
RKS-A -10,0	10,0	0,572	25,66
RKS-A -26,0	26,0	1,69	71,93



BGW- RKS magnetic recessed body PU with magnets

Item no.	Load level t	Adhesive force	Weight kg	Price €/piece
RKS-A-1,25M	1,25		0,180	65,00
RKS-A-2,5M	2,5	30	0,280	80,00
RKS-A-5,0M	5,0	30	0,480	95,00
RKS-A-10,0M	10,0	150	1,2	120,00
RKS-A-26,0M	26,0	200	3,3	240,00



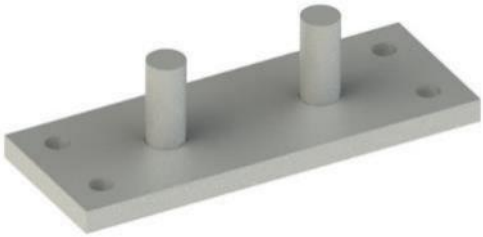
BGW- RKS recess body for single use made of hard plastic

Item no.	Suitable for	Weight kg	Price €/piece
RKS-AK-1,25	1.25 t universal anchor	0,014	0,46
RKS-AK-1,4	1.4 t expansion anchor 1.4 t two-hole anchor 1.4 t expansion anchor – both sides 1.4 t flat foot anchor	0,038	
RKS-AK-2,5	2.5 t expansion anchor – both sides	0,030	0,54
RKS-AK-4,0	4t set-up anchor – both sides	0,058	0,68
RKS-AK-5,0	5t set-up anchor – both sides	0,054	0,77



BGW- RKS retaining plate for nailing or welding on

Item no.	Load level t	Weight kg	Price €/piece
RKS-H1-1,25	1,25	0,025	4,00
RKS-H1-2,5	2,5	0,055	4,10
RKS-H1-5,0	5,0	0,131	4,40
RKS-H1-10,0	10,0	0,32	7,90
RKS-H1-26,0	26,0	0,98	11,50



BGW- HM9 magnetic holding plate for flexible positioning

Item no.	Load level of the anchor	Adhesive force	External dimensions	Concrete cover	Weight kg	Price €/piece
HM9-4-1,25	1,25 t	100 kg	83 x 45	12 mm	0,516	73,00
HM9-6-2,5	2,5 t	100 kg	144 x 64	12 mm	0,774	74,14
HM9-12-2,5	2,5 t	180 kg	144 x 64	12 mm	0,918	102,26
HM9-6-5,0	5,0 t	100 kg	144 x 64	12 mm	0,814	74,14
HM9-12-5,0	5,0 t	180 kg	144 x 64	12 mm	0,958	102,26
HM9-6-10,0	10,0 t	100 kg	210 x 95	15 mm	2,484	85,00
HM9-10-10,0	10,0 t	170 kg	210 x 95	15 mm	2,580	111,00
HM9-16-26,0	26,0 t	270 kg	370 x 140	15 mm	5,184	200,00



Key for magnetic holder HM9

Item no.	Price €/piece
SchlüsselHM9	17,90



BGW- RKS two-hole anchor / universal anchor / expansion anchor / plate anchor

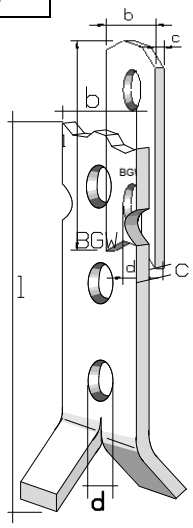


BGW- RKS two-hole anchor

Item no.	Load group (t)	Length l mm	Flat steel b + c mm	Ø hole d mm	PU piece	Weight kg/piece	Price € (Blank)	Price € (Galvanised)	Price € (hot-dip Galvanised)
RKS-Z-0,7-09	0,7	90	30 x 5	14 x 20	200	0,09	1,10	1,33	1,39
RKS-Z-1,4-09	1,4	90	30 x 6	14 x 20	200	0,10	1,10	1,36	1,42
RKS-Z-2,0-09	2,0	90	30 x 8	14 x 20	150	0,14	1,54	1,90	1,99
RKS-Z-2,5-09	2,5	90	30 x 10	14x 20	150	0,17	1,76	2,20	2,31
RKS-Z-3,0-12	3,0	120	40 x 10	18 x 22	50	0,31	2,64	3,44	3,64
RKS-Z-4,0-12	4,0	120	40 x 12	18 x 22	50	0,37	3,41	4,36	4,60
RKS-Z-5,0-12	5,0	120	40 x 15	18 x 22	50	0,46	3,85	5,03	5,33
RKS-Z-5,3-16	5,3	160	60 x 12	26 x 26	25	0,72	5,39	7,24	7,70
RKS-Z-7,5-16	7,5	160	60 x 16	26 x 26	25	0,96	7,26	9,73	10,34
RKS-Z-10,0-17	10,0	170	60 x 20	29 x 29	25	1,37	9,02	12,54	13,42
RKS-Z-14,0-24	14,0	240	80 x 20	35 x 35	1	2,56	16,69	23,26	24,91
RKS-Z-17,0-30	17,0	300	90 x 20	35 x 35	1	3,90	26,29	36,31	38,81
RKS-Z-22,0-30	22,0	300	90 x 25	35 x 35	1	4,74	27,94	40,11	43,16
RKS-Z-26,0-30	26,0	300	120 x 30	35 x 46	1	7,35	41,80	60,67	65,39

BGW- RKS universal anchor

https://www.bgw-bohr.de/pdf/H+PRKSTypenstatiken/RKS-Universalanker_Typenstatistik_Verwendungsaleitung_Tragtabellen.pdf



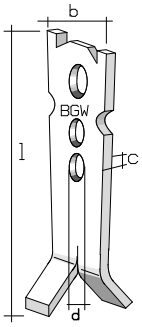
Item no.	Load group (t)	Length l mm	Flat steel b + c mm		Ø-Hole d mm	PU piece	Weight kg / piece	Price €	Price € (Galvanised)
RKS-U-1,25-10	1,25	100	30	6	10	100	0,110	1,54	1,82
RKS-U-1,25-12	1,25	120	30	6	10	100	0,164	1,62	2,01
RKS-U-1,25-12F	1,25	120	30	6	10	100	0,160	---	2,10
RKS-U-1,25-24	1,25	240	30	6	10	100	0,330	4,30	

BGW- RKS installation anchor – both sides (straight sides)

https://www.bgw-bohr.de/pdf/HP_RKS_Typenstatiken/RKS-Aufstellanker_Typenstatik_Verwendungsanleitung_Tragtabellen.pdf



Item no.	Load group (t)	Length l mm	Flat steel b + c mm		Ø-Hole d mm	PU piece	Weight kg / piece	Price € (Blank)	Price € (Galvanised)	Price € (hot-dip Galvanised)
RKS-SA-1,4-20	1,4	200	50	6	15 x 15	50	0,418	4,18	5,26	5,53
RKS-SA-2,5-23	2,5	230	50	10	15 x 15	25	0,830	5,83	8,12	8,69
RKS-SA-4,0-27	4,0	270	70	12	20 x 20	20	1,610	8,91	13,10	14,14
RKS-SA-5,0-29	5,0	290	70	15	20 x 20	20	2,156	11,22	16,77	18,15
RKS-SA-7,5-32	7,5	320	100	15	29 x 29	1	3,246	17,93	26,35	28,46
RKS-SA-10,0-39	10,0	390	100	20	29 x 29	1	5,484	25,30	36,60	39,42



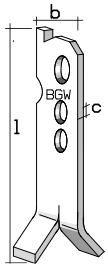
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- RKS installation anchor – double-sided – conical

Item no.	Load group (t)	Length l mm	Flat steel b + c mm		Ø-Hole d mm	PU piece	Weight kg / item	Price (Blank)	Price (galvanized)	Price (hot-dip Galvanised)
RKS-SA-1,4-20K	1,4	200	50	6	15 x 15	50	0,358	4,39	5,37	5,61
RKS-SA-2,5-23K	2,5	230	50	10	15 x 15	25	0,684	6,12	7,84	8,27
RKS-SA-4,0-27K	4,0	270	70	12	20 x 20	20	1,374	9,36	13,08	14,01
RKS-SA-5,0-29K	5,0	290	70	15	20 x 20	20	1,842	11,78	16,63	17,85
RKS-SA-7,5-32K	7,5	320	100	15	29 x 29	1	2,670	18,83	28,49	30,90
RKS-SA-10,0-39K	10,0	390	100	20	29 x 29	1	4,436	25,30	35,98	38,65
RKS-SA-12,5-50K	12,5	500	150	20	36 x 36	1	6,726	64,24	41,84	84,91
RKS-SA-17,0-50K	17,0	500	150	22	36 x 36	1	8,462	77,55	95,06	99,44
RKS-SA-22,0-50K	22,0	500	150	30	36 x 36	1	9,950	82,72	108,30	114,69

BGW- RKS installation anchor – single-sided





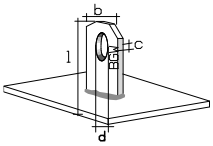
Item no.	Load group (t)	Length l mm	Flat steel b + c mm		Ø-Hole d mm	PU piece	Weight kg / piece	Price (Blank)	Price (Galvanised)	Price (hot-dip Galvanised)
RKS-SE-1,4-20	1,4	200	40	6	15 x 15	50	0,342	4,18	5,00	5,21
RKS-SE-2,5-23	2,5	230	40	10	15 x 15	25	0,642	5,94	7,56	7,96
RKS-SE-4,0-27	4,0	270	55	12	20 x 20	25	1,236	9,02	12,23	13,03
RKS-SE-5,0-29	5,0	290	55	15	20 x 20	25	1,680	11,33	15,54	16,59
RKS-SE-7,5-32	7,5	320	80	15	29 x 29	1	2,614	18,15	24,96	26,66
RKS-SE-10,0-39	10,0	390	80	20	29 x 29	1	4,282	25,52	36,87	52,81
RKS-SE-12,5-50	12,5	500	115	20	36 x 46	1	5,950	63,58	85,41	90,87
RKS-SE-17,0-50	17,0	500	115	25	36 x 46	1	7,478	76,78	104,51	111,45
RKS-SE-22,0-50	22,0	500	115	30	36 x 46	1	9,308	81,95	115,33	123,68

BGW- RKS plate anchor

https://www.bgw-bohr.de/pdf/HP_RKS_Typenstatiken/RKS-Plattenanker_Typenstatik_Verwendungsanleitung_Tragtabellen.pdf

Item no.	Load group (t)	Height h mm	Plate mm	Flat steel b + c mm		Ø-Hole d mm	PU piece	Weight kg / piece	Price (Blank)	Price (galvanized)	Price (Fire-Galvanized)
RKS-P-1,4-05	1,4	50	80 x 80	30	6	14 x 20	50	0,416	6,49	7,65	7,93
RKS-P-2,5-08	2,5	80	80 x 80	30	10	14 x 20	50	0,530	7,04	8,48	8,84
RKS-P-5,0-12	5,0	120	100 x 100	40	15	18 x 22	25	1,310	11,11	14,24	15,03
RKS-P-10,0-16	10,0	160	140 x 140	60	20	26 x 30	1	2,884	20,57	28,56	30,55
RKS-P 12,5-12	12,5	120	200x200	80	20	35x46	1	7	49,70	56,7	60,50

Further dimensions available on request!



BGW bohr GmbH GERMAN QUALITY SINCE 1986

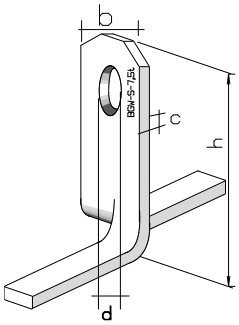
BGW- RKS flat foot anchors s / sandwich panel anchors / anchor bars



BGW- RKS sandwich panel anchors

https://www.bgw-bohr.de/pdf/H+PRKSTypenstatiken/RKS-Flachfussanker_Typenstatik_Verwendungsanleitung_Tragtabellen.pdf

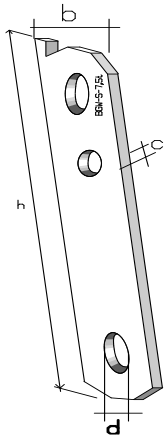
Item no.	Load group (t)	Height h mm	Flat steel b + c mm		Ø-Hole d mm	PU piece	Weight kg / piece	Price (Blank)	Price (Galvanised)	Price (hot-dip Galvanised)
RKS-F-0,7-06	0,7	60	30	5	14 x 20	100	0,076	2,53	2,74	2,79
RKS-F-1,4-06	1,4	60	30	6	14 x 20	100	0,110	2,75	3,03	3,10
RKS-F-2,0-07	2,0	70	30	8	14 x 20	100	0,184	3,19	3,65	3,77
RKS-F-2,5-07	2,5	70	30	10	14 x 20	100	0,205	3,52	4,06	4,19
RKS-F-3,0-09	3,0	90	40	10	18 x 22	50	0,408	4,62	5,67	5,94
RKS-F-4,0-11	4,0	110	40	12	18 x 22	25	0,490	5,17	6,43	6,74
RKS-F-5,0-12	5,0	120	40	15	18 x 22	25	0,694	6,49	8,26	8,70
RKS-F-5,3-15	5,3	150	60	12	26 x 30	25	0,996	7,81	10,38	11,02
RKS-F-7,5-17	7,5	170	60	15	26 x 30	1	1,428	10,23	13,90	14,82
RKS-F-10,0-20	10,0	200	60	20	26 x 30	1	2,268	13,09	18,92	20,38
RKS-F-12,5-22	12,5	220	80	20	35 x 46	1	4,140	19,03	29,66	32,32
RKS-F-17,0-27	17,0	270	80	25	35 x 46	1	5,800	27,50	42,39	46,12
RKS-F-22,0-30	22,0	300	90	25	35 x 46	1	7,560	42,68	62,09	66,95



BGW- RKS sandwich panel anchors

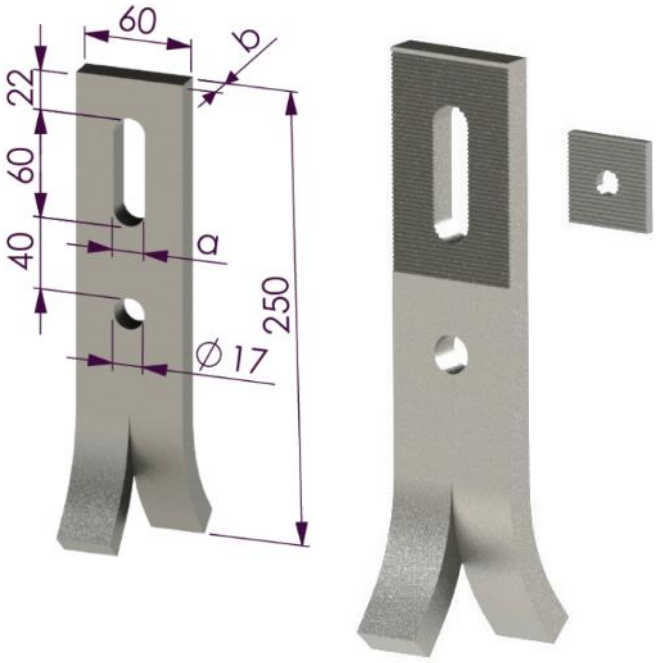
https://www.bgw-bohr.de/pdf/HP_RKS_Typenstatiken/RKS-Sandw.pl.Trspanker_Typenstatik_Verwendungsanleitung_Tragtabellen.pdf

Item no.	Load group (t)	Height h mm	Flat steel b + c mm		Ø-Hole d mm	PU piece	Weight kg / piece	Price (Blank)	Price (Galvanised)	Price (Fire-Galvanised)
RKS-ST-2,5-25	2,5	250	40	10	18 x 22	25	0,58	6,60	8,09	8,46
RKS-ST-5,0-30	5,0	300	60	16	26 x 30	20	1,80	10,89	15,51	16,67
RKS-ST-7,5-35	7,5	350	60	15	26 x 30	1	2,78	19,14	26,28	28,06
RKS-ST-10,0-35	10,0	350	80	20	35 x 46	1	3,59	24,97	34,19	36,49
RKS-ST-17,0-40	17,0	400	100	20	35 x 46	1	6,10	72,25	87,91	91,83



BGW- Anchor bars

Item no.	a mm	Thickness b mm	Weight kg/piece	Price €/piece
A-250-60-15	17,5	15	1,6	5,20
A-250-60-15-22	20	15	1,6	5,49
A-250-60-20	17,5	20	2,1	6,14



BGW- Anchor bars with teeth

Item no.	a mm	Thickness b mm	Weight kg/piece	Price €/piece
A-250-60-15-Z	17,5	15	1,5	6,47
A-250-60-15-22-Z	20	15	1,5	6,48
A-250-60-20-Z	17,5	20	2,0	7,41

BGW- Toothed disc for anchor bars

Item no.	Dimensions mm	Weight kg/piece	Price €/piece
7291	40x40x6	0,056	1,98

BGW- ring clutch

BGW- ring clutch for attaching BGW- two-hole anchors and BGW- expansion anchors
The dimensions of the BGW- ring clutch can be found in the instructions for use.



BGW- RKS ring clutch with chain link

Instructions for use:
https://www.bgw-bohr.de_Ringkupplung_Verwendungsanleitung.pdf

Item no.	Load level t	Height mm	Weight kg	Price €/piece
RKS-R1-2,50	2,5	165	1,08	86
RKS-R1-5,00	5,0	244	2,88	116
RKS-R1-10,0	10,0	300	7	204
RKS-R1-26,0	26,0	420	23	470

BGW- ring clutch with rope



Item no.	Load level t	Height mm	Weight kg	Price €/piece
RKS-R1-1,25-S	1,25	310	0,43	81
RKS-R1-2,50-S	2,5	500	1,51	93
RKS-R1-5,00-S	5,0	560	2,98	120
RKS-R1-10,0-S	10,0	730	7,10	210
RKS-R1-26,0-SO	26,0	1570	10,10	488

BGW- RKS spare parts – bolts

Item no.	Load group t	Weight kg	Price €/piece
565991	1,25		20,25
565990	2,5		21,50
565992	5,0		29
565993	10,0		15
565994	26,0		118

EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen/EG-Konf_BGW- Ring coupling_with_rope_all_load_levels.pdf

BGW bohr GmbH GERMAN QUALITY SINCE 1986

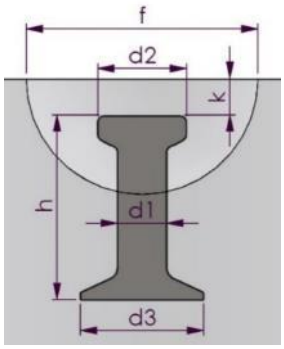
BGW- ball head anchor (KKA)

Suitable for transporting all types of precast concrete elements.

Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf
Installation instructions:https://www.bgw-bohr.de/pdf/Kugelkopfanker_Einbauanleitung.pdf
Construction test report:https://www.bgw-bohr.de/pdf/Kugelkopfanker_Prüfbericht Construction test.pdf
EC Machinery Directive: 2006_CE-Declaration_KKA-all load levels_26.02.2024.pdf (BGW- bohr.de)



Item no.	Load group t	Height h mm	Shaft Ø d1 mm	Head Ø d2 mm	Foot Ø d3 mm	Concrete cover k mm	Recess Ø f mm	PU piece	Weight kg/piece	Price €/piece
10010	1,3	35	10	19	25	10	60	400	0,040	0,43
1001	1,3	40	10	19	25	10	60	400	0,045	0,43
1003	1,3	45	10	19	25	10	60	400	0,047	0,43
1005	1,3	50	10	19	25	10	60	400	0,052	0,44
1000	1,3	55	10	19	25	10	60	400	0,056	0,48
1002	1,3	65	10	19	25	10	60	300	0,060	0,57
1004	1,3	85	10	19	25	10	60	300	0,073	0,59
1006	1,3	120	10	19	25	10	60	200	0,096	0,64
10070	1,3	170	10	19	25	10	60	200	0,131	0,68
1008	1,3	240	10	19	25	10	60	100	0,168	0,70
1010-2,5-40	2,5	40	14	26	35	11	74	200	0,106	0,67
1011	2,5	45	14	26	35	11	74	200	0,118	0,67
1010	2,5	55	14	26	35	11	74	200	0,120	0,68
1012	2,5	65	14	26	35	11	74	200	0,130	0,69
1014	2,5	85	14	26	35	11	74	150	0,150	0,72
1160	2,5	100	14	26	35	11	74	100	0,173	0,75
1016	2,5	120	14	26	35	11	74	100	0,190	0,77
1018	2,5	140	14	26	35	11	74	100	0,216	0,84
1020	2,5	170	14	26	35	11	74	100	0,247	0,96
10211	2,5	210	14	26	35	11	74	50	0,308	1,05
1021	2,5	240	14	26	35	11	74	50	0,336	1,14
1022	2,5	270	14	26	35	11	74	50	0,370	1,30
10220	2,5	280	14	26	35	11	74	50	0,386	1,33
1023	4	55	18	36	45	15	94	100	0,250	0,97
1019	4	65	18	36	45	15	94	100	0,258	1,02
1024	4	75	18	36	45	15	94	100	0,270	1,10
1059	4	85	18	36	45	15	94	50	0,286	1,15
1025	4	95	18	36	45	15	94	50	0,306	1,20
1026	4	100	18	36	45	15	94	50	0,320	1,23
1028	4	120	18	36	45	15	94	50	0,356	1,27
1027	4	150	18	36	45	15	94	50	0,416	1,33
1030	4	170	18	36	45	15	94	50	0,461	1,41
1031	4	210	18	36	45	15	94	50	0,536	1,65
10310	4	220	18	36	45	15	94	25	0,556	1,70
1032	4	240	18	36	45	15	94	25	0,596	1,82
1033	4	300	18	36	45	15	94	25	0,716	2,03
1034	4	340	18	36	45	15	94	25	0,796	2,17
10342	4	410	18	36	45	15	94	25	0,912	2,50
1045	5	55	20	36	50	15	94	50	0,256	1,25
1047	5	65	20	36	50	15	94	50	0,299	1,29
1036	5	75	20	36	50	15	94	50	0,327	1,32
1037	5	85	20	36	50	15	94	50	0,350	1,46
1038	5	95	20	36	50	15	94	50	0,369	1,60
1039	5	100	20	36	50	15	94	50	0,388	1,61
1043	5	110	20	36	50	15	94	50	0,412	1,64
1040	5	120	20	36	50	15	94	50	0,437	1,69
10400	5	140	20	36	50	15	94	25	0,547	1,71
10410	5	160	20	36	50	15	94	25	0,555	1,73
1041	5	170	20	36	50	15	94	25	0,560	1,76
1042	5	180	20	36	50	15	94	25	0,564	1,79
1125	5	210	20	36	50	15	94	25	0,594	1,84
1044	5	240	20	36	50	15	94	25	0,724	2,07
10440	5	300	20	36	50	15	94	25	0,907	2,46
1046	5	340	20	36	50	15	94	25	0,967	3,16
1048	5	480	20	36	50	15	94	15	1,323	4,04



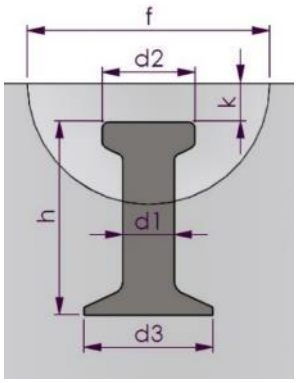
Material: S355J2/20Mn2
Surcharge for electroGalvanised: 1.00 €/kg
Surcharge for Hot-dip Galvanised: 1.50 €/kg
Prices for Stainless steel ball head anchors 1.4301 / AISI 304 / V2A: 22.00 €/kg Or 1.4571/1.4401 / AISI 316 / V4A: 33.00 €/kg

Further dimensions are available on request.

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- ball head anchor (KKA)

Item no.	Load group t	Height h mm	Shaft Ø d1 mm	Head Ø d2 mm	Foot Ø d3 mm	Concrete cover k mm	Recess Ø f mm	PU piece	Weight kg/piece	Price €/piece
10490	7,5	85	24	47	60	15	118	25	0,600	2,10
1049	7,5	95	24	47	60	15	118	25	0,626	2,20
1050	7,5	100	24	47	60	15	118	25	0,640	2,24
1051	7,5	105	24	47	60	15	118	25	0,654	2,27
1053	7,5	110	24	47	60	15	118	25	0,668	2,28
1052	7,5	120	24	47	60	15	118	25	0,704	2,29
1054	7,5	140	24	47	60	15	118	25	0,775	2,61
1055	7,5	150	24	47	60	15	118	25	0,823	2,65
1056	7,5	165	24	47	60	15	118	25	0,877	2,68
1058	7,5	200	24	47	60	15	118	25	1,000	3,11
1057	7,5	240	24	47	60	15	118	25	1,440	3,48
1060	7,5	300	24	47	60	15	118	10	1,660	4,01
10601	7,5	340	24	47	60	15	118	10	1,800	4,38
1061	7,5	540	24	47	60	15	118	10	2,200	6,38
1062	7,5	680	24	47	60	15	118	10	2,700	6,81
1064	10	115	28	47	70	15	118	25	0,905	4,08
1065	10	120	28	47	70	15	118	25	0,951	4,10
1066	10	135	28	47	70	15	118	25	1,024	4,39
1067	10	140	28	47	70	15	118	25	1,048	4,41
1068	10	150	28	47	70	15	118	25	1,075	4,43
1069	10	165	28	47	70	15	118	20	1,172	4,46
1070	10	170	28	47	70	15	118	20	1,190	4,48
1071	10	200	28	47	70	15	118	20	1,340	4,55
1072	10	210	28	47	70	15	118	15	1,359	4,59
1073	10	220	28	47	70	15	118	15	1,434	4,63
10730	10	250	28	47	70	15	118	15	1,538	4,75
10750	10	300	28	47	70	15	118	10	1,822	5,40
10741	10	325	28	47	70	15	118	10	1,851	5,63
1074	10	340	28	47	70	15	118	10	2,010	6,05
10760	10	420	28	47	70	15	118	10	2,358	6,65
10740	10	500	28	47	70	15	118	10	2,788	7,20
1075	10	540	28	47	70	15	118	10	3,000	7,82
1077	10	650	28	47	70	15	118	10	3,500	9,10
10770	10	680	28	47	70	15	118	10	3,654	9,52
10791	15	110	34	70	85	15	160	10	1,584	4,90
1079	15	120	34	70	85	15	160	10	1,688	4,91
1076	15	140	34	70	85	15	160	10	1,820	5,04
10781	15	155	34	70	85	15	160	10	1,900	5,07
1078	15	165	34	70	85	15	160	10	1,990	5,09
1081	15	180	34	70	85	15	160	10	2,050	5,60
1085	15	200	34	70	85	15	160	10	2,270	6,45
1083	15	240	34	70	85	15	160	10	2,540	6,85
1080	15	300	34	70	85	15	160	10	3,000	7,65
1082	15	400	34	70	85	15	160	10	3,500	9,97
10820	15	550	34	70	85	15	160	10	4,580	11,00
10822	15	650	34	70	85	15	160	10	5,133	12,29
10821	15	840	34	70	85	15	160	10	6,930	14,90
10841	20	120	39	70	98	15	160	10	2,198	9,70
10842	20	140	39	70	98	15	160	10	2,380	10,30
1084	20	165	39	70	98	15	160	10	2,400	10,98
10861	20	180	39	70	98	15	160	10	2,430	11,50
1086	20	200	39	70	98	15	160	10	2,700	11,98
1087	20	230	39	70	98	15	160	10	2,900	12,53
1088	20	240	39	70	98	15	160	10	3,000	12,66
10880	20	250	39	70	98	15	160	10	3,250	12,97
10881	20	280	39	70	98	15	160	10	3,708	13,56
1089	20	300	39	70	98	15	160	10	3,600	13,90
1090	20	340	39	70	98	15	160	10	4,000	14,37
1092	20	500	39	70	98	15	160	10	5,620	15,75



Marking:

BGW (=Manufacturer)K (=anchor type, e.g., K5=load group 5t) Metallic Breaking load see BGR 106

Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- ball head anchor (KKA)

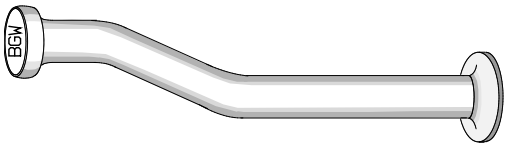
Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

Item no.	Load group t	Height h mm	Shaft Ø d1 mm	Head Ø d2 mm	Foot Ø d3 mm	Concrete cover k mm	Recess Ø f mm	PU piece	Weight kg/piece	Price €/piece
1093	32	200	50	88	135	27	214	1	5,700	19,42
1095	32	250	50	88	135	27	214	1	6,500	20,32
1099	32	260	50	88	135	27	214	1	6,600	20,61
1094	32	280	50	88	135	27	214	1	6,900	21,00
10994	32	300	50	88	135	27	214	1	7,200	24,50
10996	32	320	50	88	135	27	214	1	7,500	28,00
10995	32	500	50	88	135	27	214	1	11,180	34,00
1096	32	700	50	88	135	27	214	1	14,280	38,73
1098	32	1000	50	88	135	27	214	1	18,000	52,00
1097	32	1200	50	88	135	27	214	1	21,100	57,06

BGW- ball head anchor cranked ((for sandwich panels)

When ordering, please always specify the anchor offset/center of gravity offset.
For axial tension only







Item no.	Load level t	Length mm	Weight kg	Price €/piece
1006abgekröpft	1,3	120	0,092	1,79
1008abgekröpft	1,3	240	0,168	1,85
1018abgekröpft	2,5	140	0,219	2,34
1020abgekröpft	2,5	170	0,256	2,46
1021abgekröpft	2,5	240	0,336	2,50
1022abgekröpft	2,5	268	0,370	2,56
1031abgekröpft	4	210	0,528	4,15
10340	4	406	0,920	4,90
1042abgekröpft	5	180	0,575	4,29
1125abgekröpft	5	210	0,564	4,34
1046abgekröpft	5	340	0,955	5,66
1048abgekröpft	5	480	1,323	6,50
1060abgekröpft	7,5	300	1,321	9,44
1061abgekröpft	7,5	540	2,136	11,81
1062abgekröpft	7,5	680	2,700	12,24
10730abgekröpft	10	250	1,518	10,24
1074abgekröpft	10	340	1,926	11,64
1075abgekröpft	10	540	2,010	13,41
1077abgekröpft	10	650	3,500	14,69
10770abgekröpft	10	680	3,650	15,11
1082abgekröpft	15	400	3,616	22,74
10821abgekröpft	15	840	6,930	27,67
1091abgekröpft	20	1000	9,800	39,39
1098abgekröpft	32	1000	18,000	52,00



Anchor base with external thread for plate-shaped components and concrete pipes
The anchor base corresponds to the dimensions and load levels of the ball head anchors.
An adapter can be screwed onto the anchor base thread for recessed installation in the component. The adapter can have the shape of the ball head anchor head or another load-bearing device, such as a threaded sleeve with threads on both sides, etc. The idea behind this is that when the extension adapter is removed from the anchor base, the "anchor base" that remains permanently in the component is deep in the concrete and, when the opening is grouted, the "anchor base" is protected from water and therefore cannot rust or damage the component.
We offer adapters and accessories on request.

Item no.	Load group t	Length mm	Ø Shaft mm	Thread	Foot Ø approx. 2.5xd	Weight kg/piece	PU piece	Price €/piece
1000-10.0-60	10	60	28	M30x40	70	0,468	100	5,60
1000-20.0-100	20	100	39	M39x60	98	1,366	100	17,50
1000-20.0-130	20	130	39	M39x60	98	1,608	100	21,70
1000-32.0-120	32	120	50	M52x115	125	3,284	100	38,40

BGW- double ball head anchor (DKKA) / BGW- double head anchor (DKA) / Magazine tube anchor

BGW "Double Head Anchor" Special anchor for installation in T-beams and T-trusses with webs, in which only a narrow anchor foot can fit.

The so-called BGW "double-head anchor," which in this case is a transport anchor in its load level, differs from other transport anchors in its load level in that this transport anchor has a narrow anchor foot, no wider than the Anchor head, but with the same anchor foot length as the transport anchor in its load level.

BGW- Double-head transport anchors with narrow/flattened feet

Item no.	Load group t	Length mm	Ø Head mm	Ø base mm	PU piece piece	piece kg	Price €/piece
10742	10	340	47	47	10	2,01	16,25
10823	15	400	70	70	10	3,50	26,40
10921	20	500	70	70	10	5,62	47,20
10691	32	700	88	88	10	14,28	106,60
10692	32	1200	88	88	10	21,10	157,00







BGW- Double ball head anchor/BGW- Double head anchor with plastic ring – Hot-dip Galvanised

Item no.	Load group t	Length mm	Ø head mm	Ø Plastic ring mm	PU piece	piece kg	Price €/piece
1015B	2,5	85	25	25	150	0,160	0,97
1017B	2,5	120	25	26	100	0,210	1,20

BGW- recess former (ASK) for DKKA 2.5 t.

The DKKA is inserted into the holder, which is coated with a good release agent, without a sealing sleeve.
If a magnet is also installed in the holder, the DKKA is held securely in the ASK.

ASK made of steel for welding Price €60

Version	Adhesive force	Price
With magnets on the back	140kg	90€
With magnets inside to hold the KKA anchor in the ASK	30kg	80€
with magnets on the back / and with internal magnets to hold the KKA anchor in the ASK	140kg / 30kg	130€
With magnets on the inside to hold the KKA anchor in the ASK / and two M10 threaded holes on the back	30kg	90€



ASK made of Plastic Price €55

Version	Adhesive force	Price
With magnets on the back	140kg	85€
With magnets inside to hold the KKA anchor in the ASK	30kg	75€
with magnets on the back / and with internal magnets to hold the KKA anchor in the ASK	140kg / 30kg	125€
With magnets on the inside to hold the KKA anchor in the ASK / and two M10 threaded holes on the back	30kg	125€ / 85€





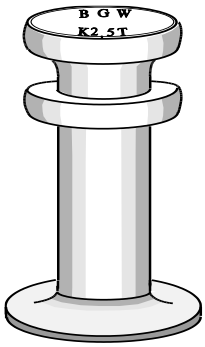
BGW- double ball head anchor/BGW- double head anchor with steel ring / magazine tube anchor



The double ball head anchor/double head anchor (quick-mount anchor) is suitable for non-hinged half-round recesses. When ordering the DKA, please ensure that it can be inserted into the existing hemispherical recess. The second "head" below the Anchor head, to which the Load-bearing device is attached, is the support ring, which centers the transporter vertically in the recessed body.

A sleeve between the Anchor head and the support ring improves the anchor seat in the recess body and prevents the anchor bolt from floating out of the recess body and thus being lost. A magnet in the base of the ASK can also help to prevent the transporter from being lost. These recessed bodies can be attached to the Formwork magnetically or permanently with screws or even welding. The lightly greased head of the Transport anchor and the support ring as well as the sleeve are inserted into the recess body protected with release agent when installing in the Formwork until the support ring is supported in the hole of the ASK and the Anchor head rests on the front side, inside the ASK. When concreting, care must be taken to ensure that the concrete does not push the anchor out of the ASK.

Item no.	Load group t	Length mm	Ø Head mm	Ø Steel ring mm	Ø Base mm	PU	piece	Price €/piece
						piece	kg	
1101	1,3	40	19	19	19	400	0,040	0,80
1009	1,3	50	19	19	19	400	0,050	0,82
10038	1,3	55	19	19		400	0,065	
1007	1,3	65	19	19	19	300	0,064	0,84
10039	1,3	70	19	19		300	0,073	
10040	1,3	85	19	19	25	250	0,082	
10071	1,3	120	19	19	19	200	0,096	0,91
10041	1,3	240	19	19		200	0,180	
10042	2,5	55				200	0,145	
1103	2,5	60	26	26		200	0,086	0,94
1013	2,5	65	25,4	25,4		200	0,140	0,95
1013	2,5	65	26	26		200	0,140	0,95
1105	2,5	70	26	26		150	0,145	0,96
10043	2,5	75			26	150	0,165	
1015	2,5	85	25,4	25,4		150	0,175	0,97
1015	2,5	85	26	26	oder	150	0,175	0,97
1015	2,5	85	26,7	26,7		150	0,175	0,97
1017	2,5	120	25,4	25,4	35	100	0,225	1,02
10044	2,5	140				100	0,235	
1017-2	2,5	170	25,4	25,4		100	0,260	1,45
1017-2	2,5	170	26	26		100	0,260	1,45
10045	2,5	240				100	0,370	
1139	4,0	170	36	36	36	100	0,470	3,95
1131	5,0	65	36	36		50	0,344	
1133	5,0	75	36	36		50	0,368	
1128	5,0	85	36	36	48	50	0,295	2,79
1130	5,0	90	36	36	48	50	0,312	2,95
1132	5,0	95	36	36	48	50	0,329	3,11
1134	5,0	100	36	36	48	50	0,347	3,27
1136	5,0	110	36	36	36	50	0,381	3,60
10401	5,0	120	36	36	48	50	0,416	3,93
1135	5,0	180	36	36		25	0,625	
1137	5,0	240	36	36	48	25	0,692	6,54



Surcharge for Galvanised: 1.00 €/kg

Surcharge for Hot-dip Galvanised: €1.50/kg

BGW- Ball-head T-bar anchor, ball-head T-bar anchor, cranked

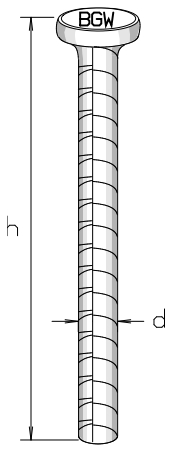
BGW- Ball-head T-Bar Anchor

Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

The KKA ball head T-Bar Anchor is a transport anchor that is mainly used for transporting precast concrete elements. The transport anchor head and the bar/foot are made of round steel using a forging and upsetting process.
The anchor – whether with a straight rod, a shaft, or a swaged foot – is completely encased in concrete except for the Anchor head. The load-bearing device belonging to the system – the lifiting shackle – is then hooked onto the swaged anchor "ball head", the part of the anchor that gave the transport anchor system its name, in order to lift the components.

All ball head anchors made of concrete ribbed steel DIN480 for axial tension only

Item no.	Load level	h	d	Weight	Price
	t	mm	mm	kg	€/piece
1100	2	400		0,457	3,50
1102	2,5	400	14	0,496	3,60
1104	2,5	520	14	0,627	3,85
1106	4	510	20	1,290	6,85
1108	4	720	20	1,810	7,30
1110	4	1150	20	3,000	8,20
1111	5	400	20	0,980	7,85
1112	5	580	20	1,500	8,35
1114	5	900	20	2,220	9,30
1118	7,5	1150	25	4,600	17,50
1120	10	870	28	4,360	20,20
1122-1200	10	1200	28	5,670	22,70
1122	10	1300	28	6,280	23,31
1124	15	1080	32	7,390	39,90
1126	15	1550	32	10,770	47,25
1129	20	1000	39	10,100	49,70



Further dimensions are available on request.

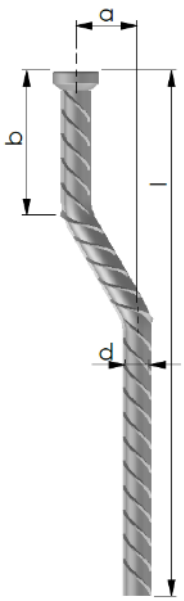
BGW- Ball head wavy tail anchor KKAW

Item no.	Load level t	h mm	Bar Ø mm	Ø head mm	Weight kg	Price €/piece
1107WK	1,3	140	10	18	0,120	1,96
1102WK	2,5	190	14	26	0,270	2,05
1106WK	4,0	230	20	36	0,672	3,45
1111WK	5,0	300	20	36	0,845	4,40
1118WK	7,5	270	25	47	1,284	5,50
1119WK	8,0	300	28	47	1,850	8,70
1120WK	10,0	325	28	47	1,870	10,45
1121WK	12,5	350	32	70	2,840	16,50
1124WK	15,0	400	36	70	3,200	39,80



Further dimensions are available on request.

BGW- ball head T-bar anchor - cranked



For axial pull only

Item no.	Load	Bar Ø	Offset	Distance	Length	Weight	Price
	Step t	d mm	a mm	b mm	L mm	kg	€/piece
1102abgekröpft	2,5	14	50	35	395	0,500	4,90
1104abgekröpft	2,5	14	50	35	515	0,660	5,15
1112abgekröpft	5	20	60	41	570	1,500	9,85
1114abgekröpft	5	20	60	41	890	2,260	11,00
1118abgekröpft	7,5	25	70	53	1140	4,530	19,30
1122abgekröpft	10	28	70	53	1290	6,380	25,50
1124abgekröpft	15	32	70	73	1070	7,390	43,90
1126abgekröpft	15	32	70	73	1540	10,770	51,25

- Material S355J2/20Mn2

- Surcharge for Galvanised: €1.00/kg
- Surcharge for Hot-dip Galvanised: €1.50/kg

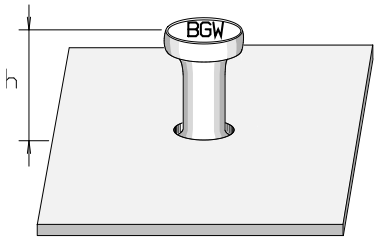
- Prices for Stainless steel version
- 1.4301 / AISI 304 / V2A: €22.00/kg
- or
- 1.4571/1.4401 / AISI 316 / V4A: €33.00/kg



BGW- ball head plate anchor (KKP)

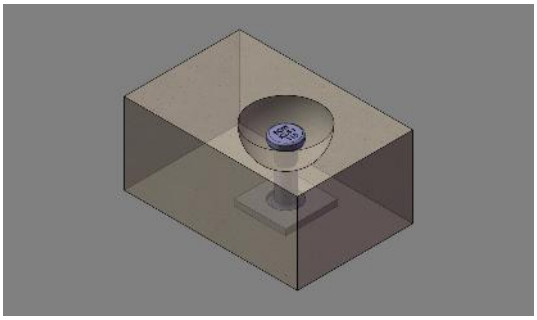
For use with thinner concrete slabs. The steel sheet is positioned so that the smaller Anchor head is guided through its central hole. The anchor foot is then permanently connected to the steel sheet by spot welding. The metallic anchor tensile forces are transferred to the steel sheet via the larger anchor foot. When installing in the concrete component, additional distribution bars can be attached to the enlarged anchor base.

Item no.	Load level	h	Plate	Weight kg	Price
	t	mm	mm		€/piece
1002-Platte	1,3	65	70 x 70 x 6	0,286	2,30
1200	2,5	55	70 x 70 x 6	0,348	3,07
1201	2,5	85	60 x 60 x 6	0,32	2,30
1202	2,5	120	70 x 70 x 6	0,42	3,23
1203	2,5	170	60 x 60 x 6	0,417	3,95
1216	5	47	90 x 90 x 8	0,764	4,01
1204	5	55	90 x 90 x 8	0,764	4,05
1206	5	65	90 x 90 x 8	0,807	4,11
1208	5	95	90 x 90 x 8	0,877	4,24
1210	5	110	90 x 90 x 8	0,92	4,29
1226	5	120	90 x 90 x 8	0,947	4,71
1229	5	128	90 x 50 x 8	0,98	4,72
1211	5	130	90 x 90 x 8	1,057	5,13
1225	5	180	90 x 90 x 8	1,074	7,23
1217	5	250	90 x 90 x 8	1,234	10,17
1223	7,5	110	90 x 90 x 10	1,276	9,75
1215	7,5	115	90 x 90 x 10	1,28	9,80
1212	10	115	90 x 90 x 10	1,42	10,13
1218	10	140	90 x 90 x 10	1,684	10,55
1213	10	150	90 x 90 x 10	1,711	10,80
1224	10	170	90 x 90 x 10	1,826	11,00
1219	15	120	200 x 200 x 10	4,78	15,30
1220	15	150	150 x 150 x 10	3,9	16,20
1221	20	150	150 x 150 x 10	4,166	21,70
1222	32	280	200 x 200 x 20	12,88	55,20





Further dimensions are available on request.







- BGW- Ball head plate anchor – also available with holes in the plate base,

for flush screwing onto wooden beams for transport, as well as for wood-concrete composites as head bolts.

EC Declaration of Conformity at:
https://www.bgw-bohr.de/pdf/CE_Zeichen/EG-Konf_BGW-_Kugelkopf-Plattenanker_alle_Laststufen.pdf

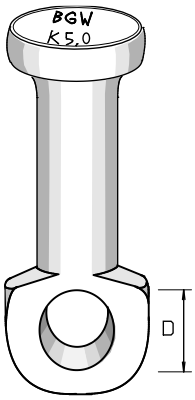
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- ball head eye anchor

Blank, Stainless steel V2A, V4A

The ball head eye anchor is installed with the ASK, like a ball head anchor.
The difference to the KKA is that instead of a forged anchor foot for back anchoring in concrete, it has an eye. The eye is this forged hole opposite the Anchor head in the anchor shaft.
In order for this eye anchor to absorb the entire load of its rated load, the additional reinforcement must be installed through this hole.
The principle works very similarly to the lifiting socket of threaded anchors. As with the lifiting socket, additional reinforcement must be installed in the load group of the eye anchor.

Item no.	Load level t	Length mm	Ø D mm Cross hole	PU piece	Weight kg	Price €/piece
1150	1,3	65	10	400	0,080	1,19
1152	2,5	90	14	100	0,200	2,39
1153	5,0	90	20	100	0,366	4,14
1154	5,0	120	20	50	0,510	5,25
1155	5,0	180	20	50	0,566	6,56
1157	10,0	115	28	20	0,921	9,59
1156	10,0	180	28	10	1,177	12,32
1158	20,0	250	39	10	3,262	32,91



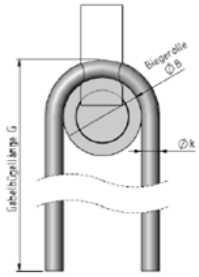
BGW- ball head eye anchor, Stainless steel V2A, V4A

Item no. V2A	Item no. V4A	Load level t	Length mm	Ø D mm Cross hole	PU piece	Weight kg
1150E	1150EE	1,3	65	10	400	0,080
1152E	1152EE	2,5	90	14	150	0,200
1153E	1153EE	5,0	90	20	100	0,366
1154E	1154EE	5,0	120	20	50	0,510
1155E	1155EE	5,0	180	20	50	0,566
1157E	1157EE	10,0	115	28	20	0,921
1156E	1156EE	10,0	180	28	20	1,177
1158E	1158EE	20,0	250	39	10	3,262



Reinforcement table for BGW- ball head eye anchors

Suitable eye anchor Item no.	Permissible axial load	Dimensions for the fork brackets made of BSt 500 S concrete ribbed steel (1 kg = 10 N; 1000 kg = 1 t = 10 kN)		
		k	G	B
1150	1,3 t	10	350	70
1152	2,5 t	14	450	100
1153, 1154, 1155	5,0 t	16	600	130
1157, 1156	10,0	25	650	200
1158	20,0	32	1200	300



Material S355J2/20Mn2

Surcharge for Galvanised: 1.00 €/kg
Surcharge for Hot-dip Galvanised: €1.50/kg

The surcharge for galvanizing is calculated based on the net price of the respective anchor.

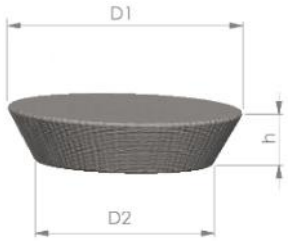
For hot-dip galvanizing, an additional weight of 0.07% is added to the net weight of the anchor.

BGW- ball head anchor (KKA) - Locking washers made of fiber-reinforced concrete, concrete casting molds



BGW- Sealing discs in exposed concrete quality are glued into the recesses of BGW- ball head anchors and thus sealed. The adhesive surfaces must be cleaned with primer. Care must be taken to ensure that the thickness of the adhesive material applied to the edge of the recess and also to the entire diameter of the Anchor head is sufficient so that the sealing disc rests fully on the Anchor head, the sealing disc is not hollow and rests on or fits against the edge of the recess.

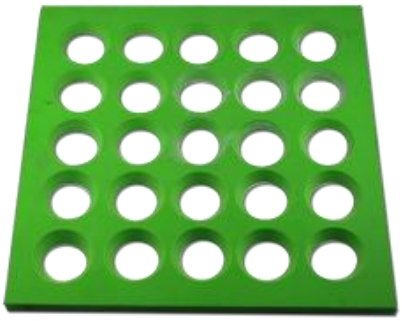
BGW- Cover plate for the recesses of ball head anchors



Item No.	Ball head anchor	Ø D1 mm	ø D2 mm	Weight kg/unit	PU	Price €/piece
09128	1,3	59	53	0,07	100	3,52
09129	2,5	73	67	0,125	100	6,88
091210	4 – 5	93	86	0,270	100	14,72
091211	7,5 – 10	116	108	0,425	100	23,20
091212	12 – 20	155	150	0,710	100	38,62
091213	32	215	203	2,5	100	136,00

Installation instructions at:
Installation instructions for sealing discs – sealing screws - Sealing plates (search using Ctrl + F)

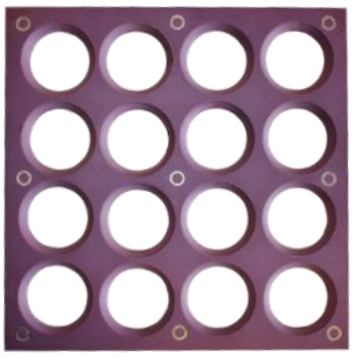
BGW- mold / casting template for sealing discs ,



for manufacturing sealing discs for the recesses of the retaining discs, the recess bodies for the ball head anchors.
These polyurethane casting dies are available in two versions: without built-in magnets and with built-in magnets.
The built-in magnets pull the casting mold tightly onto the steel formwork base so that the cement paste cannot flow out from under the casting template when it is filled.
The casting template without built-in magnets must be weighted down to prevent it from floating when filling the casting template. The sealing discs produced in this way have no bleeding edges.

Mold for the recesses of ball head anchors





Item No.	Ball-head anchor	ø D1 mm	ø D2 mm	Nests	Version	Price €/piece
0907	1,3	59	53	16	without magnet	150,00
0907M	1,3	59	53	16	with magnets	230,00
09010	2,5	73	67	9	without magnet	150,00
09010M	2,5	73	67	9	with magnets	230,00
09011	4 - 5	93	86	9	without magnet	150,00
09011M	4 - 5	93	86	9	with magnets	230,00
09012	7,5 - 10	116	108	9	without magnet	150,00
09012M	7,5 - 10	116	108	9	with magnets	230,00
09013	12 - 20	155	150	4	without magnet	140,00
09013M	12 - 20	155	150	4	with magnets	220,00
09015	32	215	203	1	without magnet	100,00
09015	32	215	203	1	with magnets	180,00

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- ball head anchor (KKA) - Accessories
– Rubber recess body (ASK), fixingscrews

BGW recessed bodies are an important component of the BGW transport anchor system and are therefore dimensionally accurate and precisely tailored to our lifters, meaning that the use of other, non-BGW components will result in the system no longer being compatible and the warranty for the complete transport anchor system becoming void.

The new recess body must be dipped in release agent several times before installation and coated with release agent before each reinstallation. Lightly tapping on the smooth upper side loosens the recess body from the freshly surrounding concrete. The recess body has two round holes on the side facing the Formwork.

These are for attaching the matching round rods, which are used to open the mouth of the recess body by pressing them together when the concrete-embedded transport anchors are removed from the formwork.

BGW- Round recess body (ASK) is made of rubber

and is used to fix ball head anchors. The recessed body is divided in the middle so that it can be opened to accommodate the BGW fixing nut/screw and ball head anchor.

Item no.	for Load group	Thread	∅ mm	Concrete Coverage	PU Piece	Weight kg/piece	€/piece Single
1600	1,0 – 1,3 t	M8	60	10 mm	20	0,036	5,10
1602	2,0 – 2,5 t	M10	74	11 mm	20	0,100	7,10
1604	4,0 – 5,0 t	M12	94	15 mm	20	0,300	10,50
1606	7,5 t	M12	118	15 mm	20	0,460	15,00
1608	8,0 – 10 t	M12	118	15 mm	20	0,430	15,00
1611	15 t	M12	160	15 mm	20	1,05	32,70
1610	20 t	M12	160	15 mm	20	1,05	32,70
1612	32 t	M16	214	27 mm	20	2,70	49,90



BGW- recessed body (ASK), round, made of rubber, complete with fixingscrew and wing nut

Item no. complete with fixingscrew & wing nut	for Load group	Thread & l/mm	∅ mm	Concrete Coverage	PU piece	Weight kg/piece	€/piece Complete (with nut & screw)
1600K	1,0 – 1,3 t	M8 / 65	60	10 mm	20	0,098	12,50
1602K	2,0 – 2,5 t	M10 / 65	74	11 mm	20	0,207	15,40
1604K	4,0 – 5,0 t	M12 / 65	94	15 mm	20	0,446	19,40
1606K	7,5 t	M12 / 65	118	15 mm	20	0,630	24,40
1608K	8,0 – 10 t	M12 / 65	118	15 mm	20	0,606	24,40
1611K	15 t	M12 / 65	160	15 mm	20	1,32	43,50
1610K	20 t	M12 / 65	160	15 mm	20	1,32	43,50
1612K	32 t	M16 / 65	214	27 mm	20	3,40	87,60



Thread length 65 mm; other lengths available on request!

BGW- recessed body (ASK) round, made of rubber, complete with flow-drilled fixing nut

Item no. complete with fixing nut	for Load group	Thread	∅ mm	Concrete Coverage	PU piece	Weight kg/piece	€/piece Complete with fixing nut
1600Kf	1,0 – 1,3 t	M8	60	10 mm	20	0,098	12,50
1602Kf	2,0 – 2,5 t	M10	74	11 mm	20	0,207	15,40
1604Kf	4,0 – 5,0 t	M12	94	15 mm	20	0,446	19,40
1606Kf	7,5 t	M12	118	15 mm	20	0,630	24,40
1608Kf	8,0 – 10 t	M12	118	15 mm	20	0,606	24,40
1611Kf	15 t	M12	160	15 mm	20	1,32	43,50
1610Kf	20 t	M12	160	15 mm	20	1,32	43,50
1612Kf	32 t	M16	214	27 mm	20	3,40	87,60



BGW- ball head anchor (KKA) – Accessories – Rubber recess formers (ASK), fixingscrews



BGW- recess body (ASK) narrow is made of rubber and is used to fix ball head anchors in narrow components, on or in the Formwork. Either the fixing nut or the fixingscrew is installed in the recess body.

The KKA is inserted into the open recess jaw. When fixing to the Formwork, the jaw of the recess body is closed by screwing in or tightening the screw to ensure that the KKA is securely seated.

Item no.	for Load group	Thread	∅ mm	Width mm	Concrete Coverage	PU Piece	Weight kg/piece	€/piece Single
1600S	1,0 – 1,3 t	M8	60	40	10 mm	20	0,048	6,12
1602S	2,0 – 2,5 t	M12	74	50	11 mm	20	0,080	8,52
1604S	4,0 – 5,0 t	M12	94	65	15 mm	20	0,240	12,60
1606S	7,5 t	M12	118	85	15 mm	20	0,368	18,00
1608S	8,0 – 10 t	M12	118	85	15 mm	20	0,344	18,00



BGW- recessed body (ASK), narrow, made of rubber, complete with fixingscrew and wing nut

Item no. complete with fixingscrew & wing nut	for load group	Thread & l mm	∅ mm	Width mm	Concrete Coverage	PU piece	Weight kg/piece	€/piece Complete (with nut & bolt)
1600SK	1,0 – 1,3 t	M8 / 65	60	40	10 mm	20	0,078	15,00
1602SK	2,0 – 2,5 t	M12 / 65	74	50	11 mm	20	0,166	18,48
1604SK	4,0 – 5,0 t	M12 / 65	94	65	15 mm	20	0,357	23,28
1606SK	7,5 t	M12 / 65	118	85	15 mm	20	0,504	29,28
1608SK	8,0 – 10 t	M12/ 65	118	85	15 mm	20	0,485	29,28



BGW- recessed body (ASK), narrow, made of rubber, complete with flow-drilled fixing nut

Item no. Complete with fixing nut	for Load group	Thread	∅ mm	Width mm	Concrete Coverage	PU piece	Weight kg/piece	€/piece Complete with fixing nut
1600SKf	1,0 – 1,3 t	M8	60	40	10 mm	20	0,078	15,00
1602SKf	2,0 – 2,5 t	M12	74	50	11 mm	20	0,166	18,48
1604SKf	4,0 – 5,0 t	M12	94	65	15 mm	20	0,357	23,28
1606SKf	7,5 t	M12	118	85	15 mm	20	0,504	29,28
1608SKf	8,0 – 10 t	M12	118	85	15 mm	20	0,485	29,28

BGW- Flow-drilled fixing nut

Item no.	Load group	Thread	∅ mm	PU piece	Weight kg/piece	€/piece
1644f	1,0 – 1,3 t	M8	8	20	0,009	4,25
1646f	2,0 – 2,5 t	M12	12	20	0,024	4,30
1640f	4,0 – 5,0 t	M12	12	20	0,051	4,65
1642f	7,5 – 10 t	M12	12	20	0,081	4,95
1648f	15 – 20 t	M12	12	20	0,196	5,55
1649f	32 t	M16	16	20	0,460	12,00

Fixing nut/
Fixing nut



BGW- ball head anchor (KKA) – Accessories – Rubber recess formers (ASK), fixingscrews

BGW- Fixing nut: reinforced version with longer Thread for automatic anchor setting tool

Item no.	Load group	Thread	∅ mm	Concrete cover h/mm	PU pieces	Weight kg/piece	€/piece
1644-1	1,0 – 1,3 t	M8	8	10	20	0,011	9,95
1646-1	2,0 – 2,5 t	M12	12	11	20	0,028	10,10
1640-1	4,0 – 5,0 t	M12	12	15	20	0,059	10,80
1642-1	7,5 – 10 t	M12	12	15	20	0,094	11,55
1648-1	15 – 20 t	M12	12	15	20	0,226	12,95
1649-1	32 t	M16	16	27	20	0,534	28,00



BGW- Fixingscrew without wing nut for rubber recessed body

Item no.	Load group	Thread l/mm	∅ mm	Thread rod length mm	PU piece	Weight kg/piece	€/piece
1620	1,0 – 1,3 t	M8 /65	8	65	20	0,027	3,00
1623-80	2,5 t	M10/65	10	65	20	0,086	3,50
1622	2,0 – 2,5 t	M12 / 65	12	65	20	0,058	4,45
1624	4,0 – 5,0 t	M12 / 65	12	65	20	0,097	4,85
1628	7,5 – 10 t	M12 / 65	12	65	20	0,126	4,95
1630	15 – 20 t	M12/ 65	12	65	20	0,242	6,05
1632	32 t	M16 /65	16	65	20	0,599	38,75

fixingscrew/
Fixing screw

BGW- Fixingscrew with wing nut DIN 315 for rubber recessed bodies

Item no.	Load group	Thread & l mm	Thread	∅ mm	Thread rod length mm	PU piece	Weight kg/piece	€/piece
1620-1	1,0 – 1,3 t	M8 /65	M8	8	65	20	0,038	3,30
1623-1-80	2,5 t	M10/65	M10	10	65	20	0,135	3,85
1622-1	2,0 – 2,5 t	M12 / 65	M12	12	65	20	0,107	4,80
1624-1	4,0 – 5,0 t	M12 / 65	M12	12	65	20	0,146	5,20
1628-1	7,5 – 10 t	M12 / 65	M12	12	65	20	0,175	5,30
1630-1	15 – 20 t	M12/ 65	M12	12	65	20	0,291	6,40
1632-1	32 t	M16 /65	M16	16	65	20	0,687	39,50

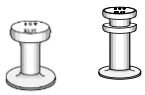


Fixingscrew with
wing nut

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- ball head anchor - accessories

Round steel pocket former (ASK) for screwing on or magnetic



BGW- Round recessed body (ASK), made of steel, for screw mounting

Item no.	Load level t	OuterØ with chamfer mm	OuterØ without chamfer mm	Concrete cover mm	Ø bore mm	Weight kg/piece	€/piece
1650	1,0 – 1,3	70	60	10	20	0,38	37,70
1652	2,0 – 2,5	84	74	11	27	0,70	40,30
1654	4,0 – 5,0	104	94	15	37	1,42	40,30
1656	7,5 – 10	128	118	15	48	3,20	78,00
1658	15 – 20	170	160	15	70	8,00	107,90
1659	32	224	214	27	88	20,00	360,00



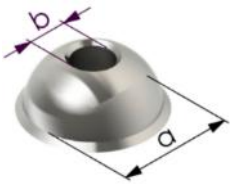
BGW- Round recess body (ASK), made of PU, for screw mounting

Item no.	Load level t	OuterØ with chamfer mm	OuterØ without chamfer mm	Concrete cover mm	Ø bore mm	Weight kg/piece	€/piece
1650GMS	1,0 – 1,3	70	60	10	20	0,12	75,40
1602GMS	2,0 – 2,5	84	74	11	27	0,20	80,60
1604GMS	4,0 – 5,0	104	94	15	37	0,40	80,60
1656GMS	7,5 – 10	128	118	15	48	0,60	117,00
1658GMS	15 – 20	170	160	15	70	1,50	146,90
1659GMS	32	224	214	27	88	3,20	360,00



BGW- Round recessed body (ASK), made of PU , magnetic

Item no.	Load level t	OuterØ with chamfer mm	ExternalØ without chamfer mm	Concrete cover mm	Ø e hole mm	Adhesive force kg	Weight kg/piece	€/piece
1650GM	1,0 – 1,3	70	60	10	20	25	0,10	75,40
1602GM	2,0 – 2,5	84	74	11	27	25	0,20	80,60
1604GM	4,0 – 5,0	104	94	15	37	65	0,40	80,60
1656GM	7,5 – 10	128	118	15	48	65	0,60	117,00
1658GM	15 – 20	170	160	15	70	140	1,50	146,90
1659GM	32	224	214	27	88	300	3,20	360,00



BGW- Holding magnet type HM5 – magnetic recessed body (ASK) round, made of steel

Item no.	Load level t	Outer Ø with bevel mm	Outer Ø without chamfer a mm	Concrete Cover mm	Inner Ø b mm	Adhesive force kg	Weight kg/piece	€/piece
HM5-3-1,3	1,3	70	60	10	20	50	0,380	39,90
HM5-3-2,5	2,5	84	74	11	27	50	0,650	53,20
HM5-6-2,5	2,5	84	74	11	27	140	0,700	66,50
HM5-3-5,0	5,0	104	94	15	37	50	1,400	59,80
HM5-6-5,0	5,0	104	94	15	37	140	1,410	73,00
HM5-8-5,0	5,0	104	94	15	37	180	1,420	106,30
HM5-12-5,0	5,0	104	94	15	37	180	1,420	132,90
HM5-3-10,0	10,0	128	118	15	48	50	3,200	73,10
HM5-6-10,0	10,0	128	118	15	48	100	3,200	86,41
HM5-8-10,0	10,0	128	118	15	48	130	3,200	113,00
HM5-12-10,0	10,0	128	118	15	48	230	3,200	146,20
HM5-8-20	20,0	170	160	15	71	150	8,000	250,00
HM5-12-20	20,0	170	160	15	71	220	8,000	290,00
HM5-16-20	20,0	170	160	15	71	300	8,000	330,00
HM5-20-32	32,0	224	214	23	88	600	20,00	520,00

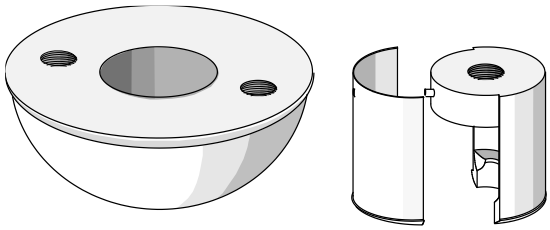
BGW- ball head anchor - accessories

Round steel pocket former (ASK), made of steel, with anchor fixing sleeve for screwing on

BGW- Round steel pocket former (ASK) with anchor fixing sleeve for screwing onto Formwork

The transport anchor is inserted into the open, greased anchor fixing sleeve, closed, and inserted into the corresponding recess body on the Formwork.

Item no.	for Load level t	Outside Ø with chamfer mm	Outer Ø without bevel mm	Concrete cover mm	Weight kg/ piece	€/piece Complete	Item no. Spare part ASK made of steel Hemisphere	€/piece Spare part ASK made of steel	Item no. Spare part Anchor fixing sleeve	€/piece Spare part Anchor fixing sleeve
1660	1,0 – 1,3	70	60	10	0,40	72,00	16001	38,00	16002	34,00
1661	2,0 – 2,5	84	74	11	0,75	101,60	16611	41,00	16612	60,00
1662	4,0	104	94	15	1,50	132,35	16621	55,00	16622	77,35
1663	5,0	104	94	15	1,50	132,35	16631	55,00	16632	77,35
1664	7,5	128	118	15	3,00	159,10	16641	78,00	16642	81,10
1665	10,0	128	118	15	3,00	159,10	16651	78,00	16652	81,10
1666	15,0	170	160	15	7,00	219,45	16661	110,00	16662	110,10
1667	20,0	170	160	15	7,00	219,45	16671	110,00	16672	110,10
1668	32,0	224	214	27		570,00	16681	360,00	16682	210,00





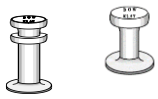


BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- ball head anchor - accessories

Recess body (ASK) oval, made of steel or PU, for screwing on or magnetic

The oval recess body is mounted with the ball head anchor.
A rubber sleeve is required for installation.



BGW- Recess body (ASK) oval, made of steel, for screwing on

Easy mounting on the Formwork with M12 Thread

Item no.	Load group t	Ø d mm with chamfer	Ø mm without chamfer	Concrete Coverage mm	Ø b mm	Weight kg/piece	€/piece
1651-1	1,0 – 1,3	70	60	10	20	0,50	37,70
1652-1	2,0 - 2,5	84	74	11	27	0,85	40,30
1653-1	2,0 - 2,5	84	74	11	30	0,85	40,30
1654-1	4,0 - 5,0	104	94	15	37	1,70	78,00
1664-1	7,5 t – 10,0	128	118	15	48	3,40	107,90



BGW- recessed body (ASK) oval, made of polyurethane, for screwing on

Easy to install on formwork with M12 thread

Item no.	Load group t	Ø d mm with chamfer	Ø mm without chamfer	Concrete cover mm	Ø b mm	Weight kg/piece	€/piece
1651-1PU	1,0 – 1,3	70	60	10	20	0,08	37,70
1652-1PU	2,0 - 2,5	84	74	11	27	0,18	40,30
1653-1PU	2,0 - 2,5	84	74	11	30	0,18	40,30
1654-1PU	4,0 - 5,0	104	94	15	37	0,26	78,00
1664-1PU	7,5 t – 10,0	128	118	15	48	0,60	107,90



BGW- magnetic recessed body (ASK) egg-shaped, made of steel, magnetic

Easy to install on the Formwork, magnetic

Item no.	Load group t	Ø d mm with chamfer	Ø mm without chamfer	Concrete Cover mm	Hole Ø b mm	Adhesive force kg	Weigh t kg/ piece	€/piece
1651-1M	1,0 – 1,3	70	60	10	20	50	0,50	75,40
1652-1M	2,0 - 2,5	84	74	11	27	140	0,85	80,60
1653-1M	2,0 - 2,5	84	74	11	30	140	0,85	80,60
1654-1M	4,0 - 5,0	104	94	15	37	180	1,70	117,00
1664-1M	7,5 t – 10,0	128	118	15	48	230	3,40	146,90



BGW- magnetic recessed body (ASK) egg-shaped, made of polyurethane

Easy mounting on Formwork, magnetic

Item no.	Load group t	Ø d mm with chamfer	Ø mm Without chamfer	Concrete Coverage mm	Hole Ø b mm	Adhesive force kg	Weight kg/piece	€/piece
1651-1PUM	1,0 – 1,3	70	60	10	20	25	0,115	75,40
1652-1PUM	2,0 - 2,5	84	74	11	27	25	0,200	80,60
1653-1PUM	2,0 - 2,5	84	74	11	30	25	0,200	80,60
1654-1PUM	4,0 - 5,0	104	94	15	37	65	0,400	117,00
1664-1PUM	7,5 t -10,0	128	118	15	48	65	0,600	146,90



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- ball head anchor accessories

For attachment to wooden formwork

BGW- Retaining plate

BGW- Retaining plate is used to attach BGW- Round rubber recess bodies to wooden formwork. To do this, the BGW- retaining plate is attached to the wooden formwork, e.g. with nails. The BGW- recess body is then placed onto the centering pins of the BGW- retaining plate together with the fixing nut and ball head anchor. The centering pins hold the recess body closed and fix it to the formwork.

Item no.	Load level	Ø mm	Price
1600-1	1,3	62	6,63
1602-1	2,5	77	7,05
1604-1	4-5	96	7,20
1608-1	7,5-10	122	8,28
1610-1	15-20	162	9,60
1612-1	32	222	11,25



BGW- Round recessed body (ASK), hinged, made of rubber for fixing ball head anchors

Item no.	for Load group	Ø mm	Concrete coverage	PU piece	Weight kg/piece	€/piece Single
1600	1,0 – 1,3 t	60	10 mm	20	0,006	5,10
1602	2,0 – 2,5 t	74	11 mm	20	0,100	7,10
1604	4,0 – 5,0 t	94	15 mm	20	0,300	10,50
1606	7,5 t	118	15 mm	20	0,460	15,00
1608	8,0 – 10 t	118	15 mm	20	0,430	15,00
1611	15 t	160	15 mm	20	1,05	32,70
1610	20 t	160	15 mm	20	1,05	32,70
1612	32 t	214	27 mm	20	2,70	49,90



BGW- Retaining plate with handle

BGW- Retaining plate with handle allows the recess body to be pressed directly into the fresh concrete together with the ball head anchor. The centering pins keep the recess body closed and fix the anchor in the recess body.

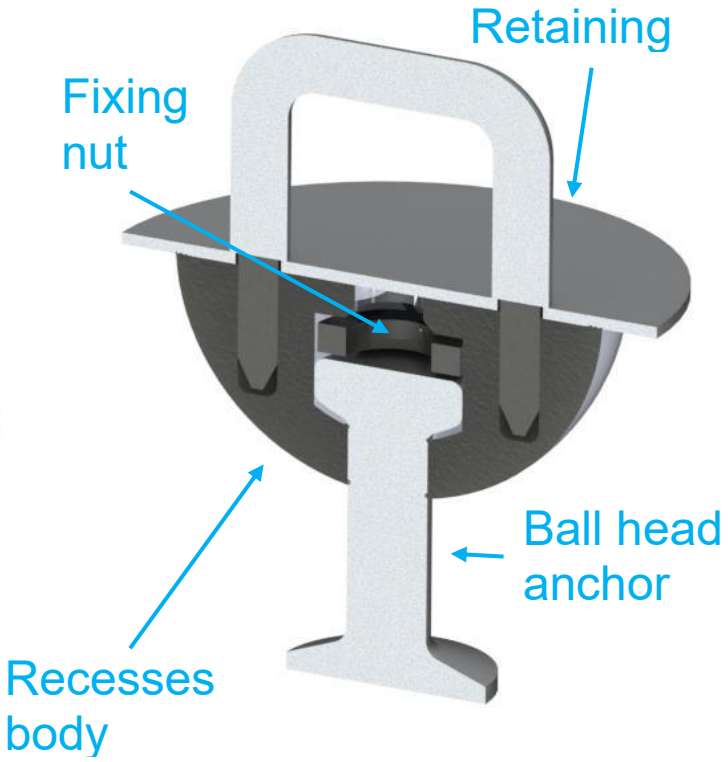
Item no.	Load level	Ø mm	Weight kg	Price
1600-2	1,3	100	0,185	10,63
1602-2	2,5	114	0,225	11,05
1604-2	4-5	144	0,305	11,20
1608-2	7,5-10	178	0,460	12,28
1610-2	15-20	240	0,825	13,60
1612-2	32	314	1,350	15,25



Load level 1.3t-2.5t



Load level 4t-32t



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- ball head anchor accessories

BGW- rubber sleeve for KKA recess former

Round and oval, made of steel or PU, as well as HM5 type magnetic holder

The sleeves for supporting the KKA ball head anchor are placeholders to prevent concrete from flowing into the recesses into which the KKA lifter is hooked after demolding.
The slotted sleeves are opened, placed around the anchor shaft below the Anchor head, and then closed again.

To ensure that the KKA with the sleeve can be easily pressed into the recess body ASK, it is advisable to coat the ASK and the sleeve with a release agent.

Before placing an order, the customer must measure the diameter of the Anchor head in the ASK in order to order the correct outer diameter of the sleeve.

The customer must also pay attention to the load level of the anchor that is to be installed with the sleeve in order to select the correct inner diameter of the sleeve.

Item no.	for load level t	Outer∅ mm	Inner∅ mm	Weight kg/piece	€/piece
1670	1,3	20	10	0,005	2,20
1679	2,5	25	14	0,006	3,00
1672	2,5	27	14	0,006	3,20
1673	2,5	30	14	0,010	3,50
1674	4,0	37	18	0,016	4,80
1674-1	4,0	38	18	0,017	4,80
1675-1	5,0	37	20	0,016	4,90
1675	5,0	38	20	0,017	4,90
1676	7,5	48	24	0,025	30,80
1678	10	48	28	0,029	53,80
1680	15	71	34	0,100	75,60
1682	20	71	39	0,115	88,40
1683	32	88	50	0,134	108,40



BGW- rubber sleeve for KKA recess former

round and oval,
made of steel or PU, as well as adhesive magnet type HM5, toothed

Item no.	for load level t	Outside∅ mm	Inner∅ mm	Weight kg/piece	€/piece
1670Z	1,3	20	10	0,005	2,20
1679Z	2,5	25	14	0,006	3,00
1672Z	2,5	27	14	0,006	3,20
1673Z	2,5	30	14	0,010	3,50
1674Z	4,0	37	18	0,016	4,80
1674-1Z	4,0	38	18	0,017	4,80
1675-1Z	5,0	37	20	0,016	4,90
1675Z	5,0	38	20	0,017	4,90
1676Z	7,5	48	24	0,025	30,80
1678Z	10	48	28	0,029	53,80
1680Z	15	71	34	0,100	75,60
1682Z	20	71	39	0,115	88,40
1683Z	32	88	50	0,134	108,40



BGW- recess former (ASK) made of steel - trumpet shape

– for ball-head transport anchors – load level 2.5 t

BGW- Recess body (ASK) steel – trumpet shape

Item no.	Version	Ø Shaft inside mm	Thread	Price €/piece
1653	Trumpet-shaped	30	M12	On request
16530	trumpet-shaped	27	M12	

trumpet-shaped



BGW- recess body (ASK) steel – trumpet shape with 1 internal magnet insert with which the ball head anchor is fixed in the recess body

Item no.	Version	Ø Shaft inside/mm	Thread	Adhesive force kg	Weight kg	Price €/piece
1653-M	Trumpet-shaped	30	M12	140	0,800	On request
16531	Trumpet-shaped	27	M12	140	0,750	



BGW- Holding magnet type HM5 – Trumpet shape

Also available with internal magnet insert

This magnet system is specially designed for attaching ball-head Transport anchors to steel formwork.
Unlike the magnetic holders previously available, the neodymium magnets used
used for this purpose, even in small spaces.
The adhesive force can be retrofitted if necessary.

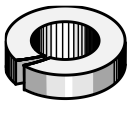


Item no.	Out Version	Ø Shaft inside mm	Internal lying magnet	External magnets	Adhesive force kg	Ø Outside	Weight kg	Price €/piece
HM5-3-2,5-1653	Trumpet-shaped	30	Without	3 pieces	50	74	0,800	
HM5-3-2,5-1653-M			With	3 pieces	50	74	0,800	
HM5-3-2,5-16530		27	Without	3 pieces	50	74	0,750	On
HM5-3-2,5-16531			With	3 pieces	50	74	0,750	Request
HM5-6-2,5-1653		30	Without	6 pieces	140	74	0,800	
HM5-6-2,5-1653-M			With	6 pieces	140	74	0,800	
HM5-6-2,5-16530		27	Without	6 pieces	140	74	0,750	
HM5-6-2,5-16531			With	6 pieces	140	74		



BGW- Rubber sleeve for recessed body, steel, 2.5 t

Item no.	For load group	Ø/mm	€/piece
1672	2,0 – 2,5 t	27	3,20
1673	2,0 – 2,5 t	30	3,20



With 6 magnets





With 3 magnets

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Recess former (ASK) made of steel, hinged

For ball-head transport anchors

The hinged recess body is durable and, when used properly, virtually indestructible. The ASK is protected inside and outside with a release agent to prevent concrete from sticking. The ball-head transport anchor of the corresponding load group is inserted into the mouth of the hinged ASK and closed. The ASK is attached to the formwork with the ball-head transport anchor inserted. The smooth back is available with a central Internal thread, a threaded pin, or adhesive magnets for attachment to the formwork. When attaching the recessed body horizontally to the formwork, ensure that the ASK is positioned vertically. Removing the recess body after the concrete has hardened: Detach it from the Formwork and tap lightly on the back of the ASK with a soft-faced hammer until it comes loose. Release the jaws of the ASK by pressing two Bar Ø 8 mm together like a pair of scissors and remove it from the component. **Advantages:** - Secure positioning of the ball head anchor - Secure closure

BGW- recess former (ASK) made of steel, hinged – with Internal thread

Item no.	Load level t	Outer Ø with chamfer mm	Outer Ø without chamfer mm	Internal Thread	Anchor jaw Ø mm	Height h mm	Concrete Cover mm	Weight kg/piece	€/piece
16502	1,3	66	60	M8	10	29	10	0,4	340,00
16522	2,5	82	74	M12	14	36	11	0,7	540,00
16542	5	104	94	M12	20	46	15	1,6	760,00
16552	7,5	128	118	M12	24	57	15	2,8	940,00
16562	10	128	118	M12	28	57	15	2,8	940,00
16572	15	170	160	M12	34	77	15	7,0	1140,00
16582	20	170	160	M12	39	77	15	7,0	1140,00
16592	32	230	220	M16	50	107	27	17	1300,00



BGW- Recess former (ASK) made of steel, hinged – with External thread

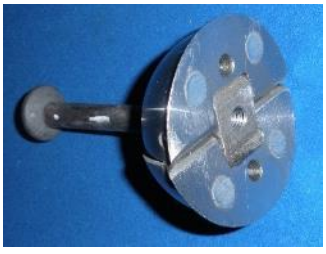
Item no.	Load level t	Outer Ø with bevel mm	Outer Ø without chamfer mm	Internal Thread	Fastening Thread Length mm	Anchor jaw Ø mm	Height h mm	Concrete Coverage mm	Weight kg/ piece	€/ piece
16502A	1,3	76	66	M8	80	10	29	10	0,4	340,00
16522A	2,5	92	82	M10	80	14	36	11	0,7	540,00
16542A	5	114	104	M12	80	20	46	15	1,6	760,00
16552A	7,5	138	128	M12	80	24	57	15	2,8	940,00
16562A	10	138	128	M12	80	28	57	15	2,8	940,00
16582A	20	180	170	M12	80	39	72	15	7,0	1140,00
16592A	32	234	224	M16	100	50	102	27	17	1140,00



BGW- Holding magnet type HM5 – Round steel pocket former, hinged, magnetic

Item no.	Load level t	Outer dimensions Ø with chamfer mm	Outer Ø without bevel mm	Concrete Cover mm	Inside Ø mm	Adhesive force kg	Weight kg/piece	€/ piece
HM5-3-1,3-A	1,3	70	60	10	10	50	0,38	
HM5-3-2,5-A	2,5	84	74	11	14	50	0,65	
HM5-6-2,5-A	2,5	84	74	11	14	140	0,70	
HM5-3-4,0-A	4,0	94	94	15	18	50	1,40	
HM5-6-4,0-A	4,0	104	94	15	18	140	1,41	
HM5-8-4,0-A	4,0	104	94	15	18	180	1,42	
HM5-12-4,0-A	4,0	104	94	15	18	180	1,42	
HM5-3-5,0-A	4,0	104	94	15	20	50	1,40	
HM5-6-5,0-A	5,0	104	94	15	20	140	1,41	
HM5-8-5,0-A	5,0	104	94	15	20	180	1,42	
HM5-12-5,0-A	5,0	104	94	15	20	180	1,42	
HM5-3-7,5-A	7,5,	128	118	15	24	50	3,20	
HM5-6-7,5-A	7,5	128	118	15	24	100	3,20	
HM5-8-7,5-A	7,5	128	118	15	24	130	3,20	
HM5-12-7,5-A	7,5	128	118	15	24	230	3,20	
HM5-3-10,0-A	10,0	128	118	15	28	50	3,20	
HM5-6-10,0-A	10,0	128	118	15	28	100	3,20	
HM5-8-10,0-A	10,0	128	118	15	28	130	3,20	
HM5-12-10,0-A	10,0	128	118	15	28	230	3,20	
HM5-8-15,0-A	15,0	170	160	15	34	150	8,00	
HM5-12-15,0-A	15,0	170	160	15	34	220	8,00	
HM5-16-15,0-A	15,0	170	160	15	34	300	8,00	
HM5-8-20,0-A	20,0	170	160	15	39	150	8,00	
HM5-12-20,0-A	20,0	170	160	15	39	220	8,00	
HM5-16-20,0-A	20,0	170	160	15	39	300	8,00	
HM5-20-32,0-A	32,0	224	214	23	50	600	20,00	





BGW- lifting shackle (KKA lifter)



BGW- lifting shackle (KKA lifter) – the cast steel head is a hardened steel, abrasion-resistant, low-maintenance, manually operated coupling available in various load ratings corresponding to those of the BGW ball head Transport anchors.
The BGW- lifting shackle (KKA lifter) is coupled to a BGW ball head anchor of the corresponding Load level set in concrete. Even under load, any rotational, tilting, and swiveling movement is possible and safe.

The old BGW-patented lifter, whose patent has since expired, has been "reinvented" in accordance with the new regulations.
Here is the patent application: https://www.bgw-bohr.de/pdf/KKA_Abheber_Patentanmeldung_11122017.pdf

One of the many changes and improvements is that under the load of the component, the jaw of the lifter closes until it stops at the guide rail.
This BGW KKA lifter can now also be attached to the lifter jaw opening without the anchor jaw being able to open.

Installation and usage instructions: https://www.bgw-bohr.de/pdf/Kugelkopfabheber_Verwendungsanleitung.pdf

EC Declaration of Conformity: https://www.bgw-bohr.de/pdf/2006_CE-Erklaerung_KKA-alleLaststufen_26.02.2024.pdf

BGW- lifting shackle (KKA lifter) with chain link



Item no.	Load group t	Height h mm	Weight kg/piece	Price €/piece
1510	1,0 - 1,3	157	0,70	73,60
1512	1,5 - 2,5	165	1,17	81,80
1514	3,0 - 5,0	244	3,08	122,70
1516	6,0 - 10,0	309	5,90	204,50
1518	12,0 - 20,0	438	18,50	368,10
1522	32,0	528	39,00	781,20

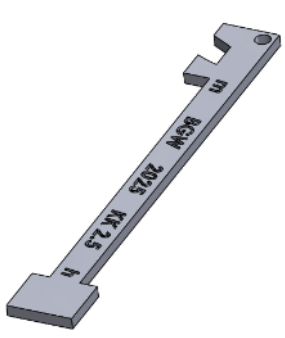
BGW- lifting shackle (KKA lifter) with steel cable

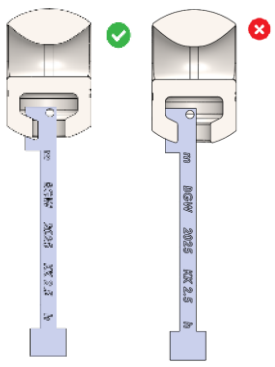


Item no.	Load group [t	Height h mm	Rope Ø mm	Weight kg/piece	Price €/piece
1510S	1,0 - 1,3	ca. 310	8	1,32	73,60
1512S	1,5 - 2,5	ca. 520	14	1,63	81,80
1514S	3,0 - 5,0	ca. 560	18	3,52	122,70
1516S	6,0 - 10,0	ca. 720	22	6,52	204,50
1518S	12,0 - 20,0	ca. 1200	28	17,8	480,00

BGW- Test gauge for lifting shackles

Test gauge set, complete

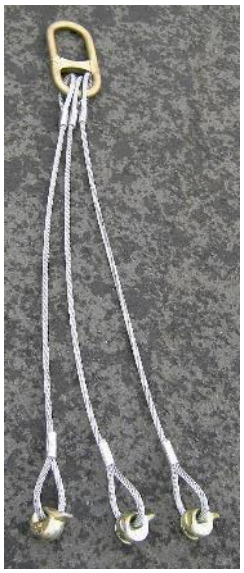




Item no.	Material	Load level t	Price €/piece
061803	Aluminum	1,3-32,0	100
061769	V2A Stainless steel	1,3-32,0	140

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- sling rope and BGW- sling hanger

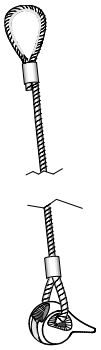


The installation of BGW ball-head transport anchors is required for the use of the BGW sling rope and sling.

The prerequisite for the safe functioning of the BGW sling rope and BGW- sling hanger is proper installation of the anchors. This is ensured by using BGW recess bodies and compliance with the specified installation depth.

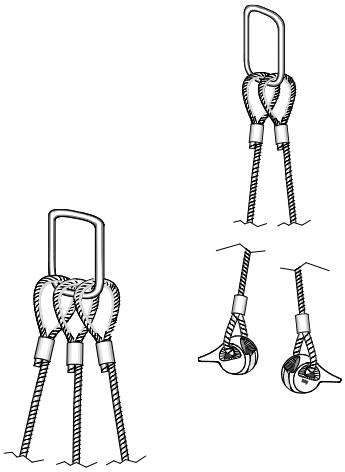
BGW- sling rope and BGW- sling hanger are a version of the BGW lifting shackle (KKA lifter).

Suspension rope



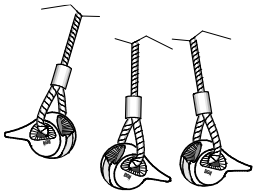
Item no. with steel cable	Item no. with strap	Load group t	Rope Ø	Price per piece
15301	15301B	1,3	10	92,03
15311	15311B	2,5	12	112,48
15321	15321B	5,0	16	199,40
15331	15331B	10,0	24	245,42

2-strand suspension



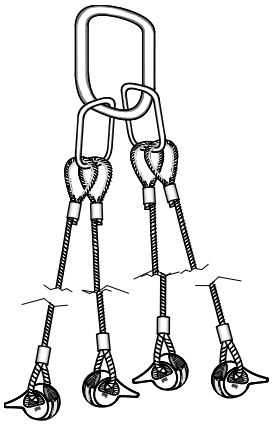
Item no. with steel cable	Item no. with strap	Load group t	Rope Ø	Price €/piece
15302	15302B	1,3	10	194,29
15312	15312B	2,5	12	224,97
15322	15322B	5,0	16	398,81
15332	15332B	10,0	24	490,84

3-strand suspension



Item no. with steel cable	Item no. with strap	Load group t	Rope Ø	Price €/piece
15303	15303B	1,3	10	276,10
15313	15313B	2,5	12	337,45
15323	15323B	5,0	16	598,21
15333	15333B	10,0	24	736,26

4-strand suspension



Item no. with steel cable	Item no. with strap	Load group t	Rope Ø	Price €/piece
15304	15304B	1,3	10	368,13
15314	15314B	2,5	12	449,94
15324	15324B	5,0	16	797,62
15334	15334B	10,0	24	981,68

Subject to design changes
Recommended prices for strand length 1.5 m, Galvanised rope DIN 3060 SE - 1770 N/mm² or by agreement
Other lengths or designs for your specific production requirements are available on request.

BGW- swivel coupling and transport coupling

Here you can see a short video: Swivel coupling in use
CE Declaration of Conformity: CE_Mark_Conformity/CE-DeclarationRotary-andTransport-CouplingallLoadLevels.pdf

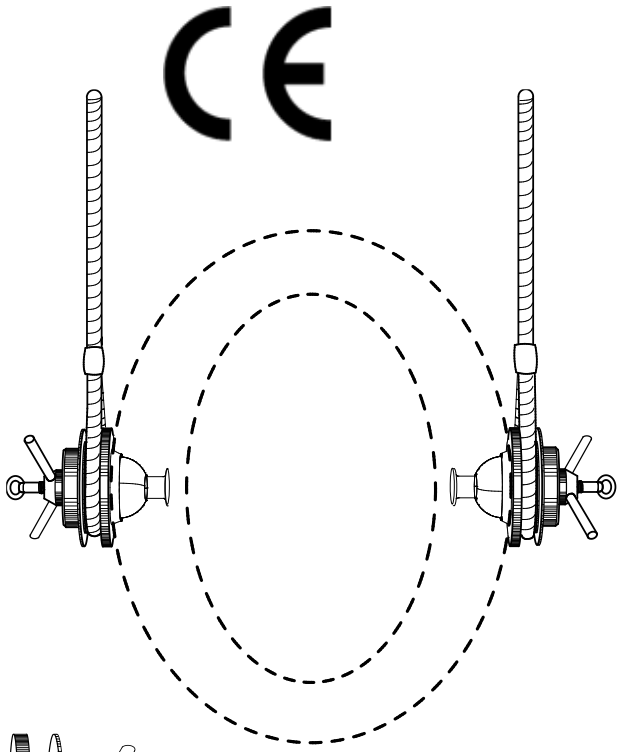
A manually operated coupling in various load stage designs, corresponding to those of the BGW ball head anchors.

The BGW turn- and transportation couplers are specially designed for transporting precast concrete elements, especially pipes, up to 32 t.
It makes it easy to perform all movement sequences: turning, lifting, loading, and laying.

The BGW- turn- and transportation couplers are flanged to a BGW- ball head transport anchor of the same load level and is flanged to the BGW recess body and supports in the recess formed by the BGW recess body.
For system-compatible use, two couplings are required, which have been specially matched to each other. The two individual couplings are connected to each other by means of a crossbeam.

On request, the BGW turn- and transportation couplers can be supplied with the rope already fitted. The two matching couplings are precisely matched to each other.

BGW turn- and transportation couplers are marked with the following information: BGW marking, CE marking, load level, year of manufacture, and machine number.



BGW- turn- and transport couplers

A manually operated coupler of different load levels, compatible with those of the BGW capstan lifters.

The BGW- turn- and transport coupler is specially constructed for transporting precast concrete units, especially pipes, up to a maximum weight of 32 tons.

When using it, most movements can be easily carried out: turning, lifting, loading, and laying of the concrete units.

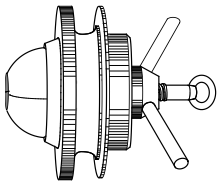
The BGW- turn- and transport coupler is fitted to a concreted BGW capstan lifter with the same load level, and sits itself in the gap formed by the BGW pocket former.

For systematic use, two couplers are needed, which are coordinated with each other.

The individual couplers are fitted to each other by using a traverse.

If needed, the BGW turn and transport couplers are delivered with an assembled rope attachment. In doing this, both corresponding couplings are matched exactly.

BGW turn and transport couplers are marked with the following information: BGW marking, CE marking, load level, year of manufacture, and machine number.





Item no.	Load group t	Weight kg/piece	Price €/piece
1524	5,0	15,30	3.383,72
1523	10,0	20,86	3.660,84
1520	20,0	43,76	4.299,96
1521	32,0	60,00	4.689,56

Prices do not include rope.

BGW- swivel coupling and transport coupling – Variants

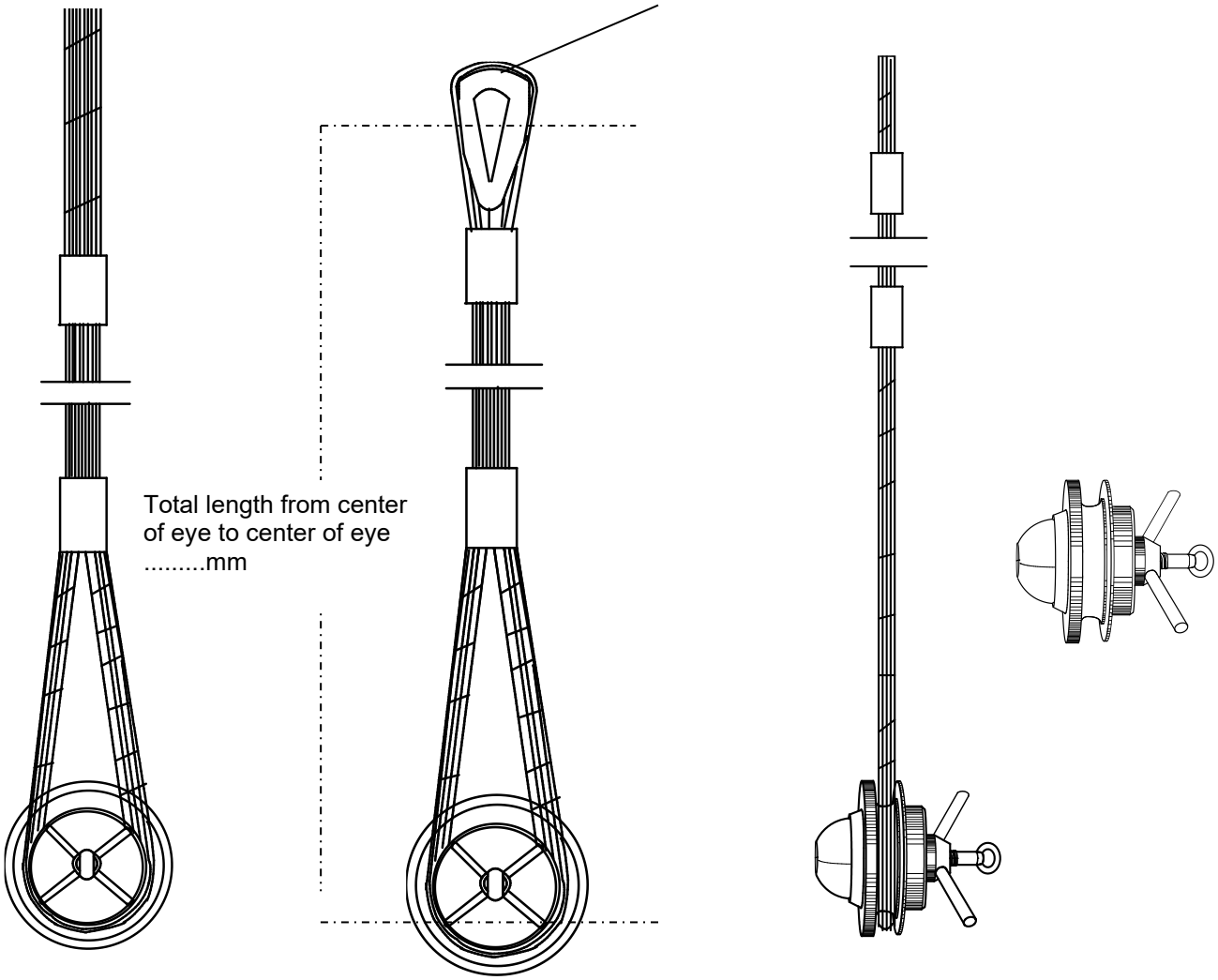
CE Declaration of Conformity: CE_Mark_Conformity/CE-DeclarationSwivel-andTransportCouplingsallLoadRanges.pdf

When ordering BGW turn- and transportation couplers, please specify the required variant and rope length.

Standard version without thimble – the thimble is an accessory and must be ordered separately

Variant A

Variant B



Eye rotated 90

Eye parallel

Item no. Rope	Load level t	Ø rope	DIN
1528-A	5 t	18 mm	3060
1528-B	5 t	18 mm	3060
1527-A	10 t	26 mm	3066
1527-B	10 t	26 mm	3066
1526-A	20 t	34 mm	3066
1526-B	20 t	34 mm	3066
1525-A	32 t	40 mm	3066
1525-B	32 t	40 mm	3066

BGW- prefabricated timber anchor system (HFA) - Drive-in anchor - Drive-in nut

This manually operated load-bearing device is designed for the safe and easy lifting of all types of timber components.

How the system works:

- Pre-drilling through the precast part – for HFA M12/16mm, HFA M16/19mm, HFA M20/24mm
- Insert the anchor into the pre-drilling and hammer in the staples
- Insert the anchor securing screws
- Feed the rope loop through the drilled hole and screw it into the transport anchor until the thread of the rope loop protrudes from the drive-in anchor
- Lift the load
- Release the anchor



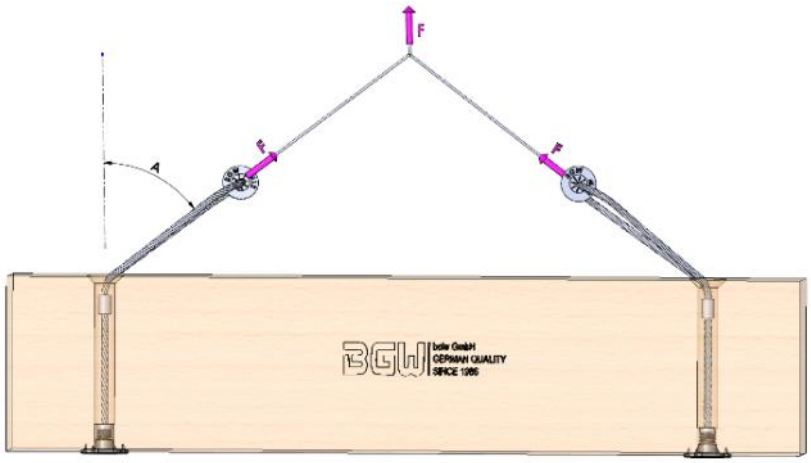
Please note:

When attaching to a Crane hook, ensure that it cannot damage the wire rope
After the precast element has been lifted a few centimeters, check (by listening) whether it is hanging steadily while suspended
Users must be trained before initial commissioning
The weights of the components to be lifted must be known and permissible
According to the BGR 106 safety regulations of the professional associations, only matching Transport anchors and load-bearing devices from the same Manufacturer may be used.
The user is responsible for the safe transfer of forces into the component.
The metal breaking values of the installed anchor and the load-bearing device must be three times the nominal load.
If a wire rope has been installed in the load-bearing device, as in the case of the Rope loop, it must be able to bear four times the nominal load in the test on the tensile testing machine.
Only the lifting equipment specified in the operating instructions may be used; this must also be observed during testing.
Load-bearing devices without visible markings on the load-bearing devices or Transport anchors without markings cannot/may not be used for load bearing.

Load specification:

Due to its installation specifications, the HFA can only ever be loaded axially.
If the HFA is installed differently, including in softer material than that specified in the MFPA test certificates, the load-bearing behaviour may change. The average metal breaking values in the test bench HFA M12/50kN, HFA M16/80kN, HFA M20/83kN.

Tests have shown that when installed and tested in a spruce wood board with a thickness of approx. 25 mm, the HFA is pressed approx. 10 mm deep into the soft spruce wood board under a tensile load of approx. 3.3 t, the metal body of the HFA deforms, stretches metallically and breaks. The HFA prefabricated wood anchor may be used once; multiple use of the HFA is not permitted for safety and liability reasons.



BGW- Prefabricated wood anchor (HFA) – Drive-in anchor – Insert nuts

Test report: https://www.bgw-bohr.de/pdf/Holzfertigteilanker_Bericht_MFPA_2014-02-10_1.pdf
EC Declaration of Conformity: https://www.bgw-bohr.de/pdf/2006_CE-Erklaerung_HFA.pdf



Transport anchors traditionally have four clamps around them, which are used to attach the anchor to the precast part. Two additional holes in the transport anchor can be used for further fastening.

The BGW drive-in anchor can be installed with the clamps facing the wood or vice versa.
The second option offers the advantage that no Pre-drilling is necessary for the Threaded pin.

The user is responsible for the safe transfer of forces into the component.

Item no.	Load level t	Clearance diameter	Thread	PU piece	Weight	Price €/piece
55176-000	0,5	60 x 3	M12	1000	0,068	1,14
55176-001	1,2	60 x 3	M16	1000	0,074	1,20
55176-002	2,0	60 x 3	M20	1000	0,072	1,25



BGW- rope loop waisted

To make it easier to screw the rope loop through the precast element with the Transport anchors, it is held together in the center with a press clamp. The central compression makes it easier to screw the rope loop into the Transport anchor, as it also serves as a guide in the precast part. These rope loops are tapered for recessed installation so that no diagonal tensile loads can act on the threaded part.

Please note:

The thread of the rope loop must always be screwed in to the end of the thread. Rope loops must be replaced in the event of wire breaks, damage to the thread, crushing, corrosion scars, or buckling.
Inspection at least once a year by a qualified person (UVV VBG 9a § 42).

Item no.	Load level t	Height mm	Thread d x h	PU piece	Weight	Price €/piece
0651S 455	0,5	455	M12 x 22	50	0,162	11,05
0651S 500	0,5	500	M12 x 22	50	0,164	
0654S	1,2	300	M16 x 27	50	0,217	
0654S 455	1,2	455	M16 x 27	50	0,291	14,30
0654S 500	1,2	500	M16 x 27	50	0,313	16,25
0654S 550	1,2	550	M16 x 27	50	0,250	
0659S 455	2,0	455	M20 x 35	50	0,452	20,15
0659S 500 G60	2,0	500	M20 x 35	50		



Further rope loops at:
BGW- Rope loops (search using Ctrl + F)

BGW- timber transport screw system (KKAH)

The KKAH transport anchor system enables safe and easy lifting of all types of timber components.

Test report:
https://www.bgw-bohr.de/pdf/Holzfertigteilanker_Zugversuche_Transportankersystem_MFPA.pdf

Installation and usage instructions:
https://www.bgw-bohr.de/pdf/Kugelkopfabheber_Verwendungsanleitung.pdf

How the KKAH system works:

- Screw in screw without Pre-drilling
- Engage the anchor
- Lift load
- Release anchor



Recessed installation for diagonal pull

Please note:

Transport anchor screw may only be used once
Read the operating instructions carefully before use
Users must be trained before initial commissioning
The weights of the components to be lifted must be known and permissible
Only the lifting equipment specified in the operating instructions may be used

BGW- KKAH wood transport anchor screw



Item no.	b mm	Length mm	Thread length mm	PU	Price €/piece
55176-100-100	12,0	100	60	50	0,64
55176-100-140		140	80	50	0,75
55176-100-220		220	120	50	1,32
55176-100-300		300	120	50	2,18
55176-100-320		320	120	50	2,27





BGW- lifting shackle (KKA lifter)

This manually operated load-bearing device made of high-quality steel is designed for the safe and easy lifting of all types of wooden components.



Item No.	Load group t	kg/piece	Price €/piece
1510	1,0 – 1,3	0,70	73,60

BGW- scaffolding shoes/scaffolding sleeves (for elevator construction)

This is a technical term for this product manufactured by us.

The scaffolding shoe is used in the elevator shaft to erect a working platform on top of it.
When using scaffolding shoes for insertion, openings are left in the component during the manufacture of the walls in the concrete plant. These can be created using the "scaffolding sleeve" that fits the scaffolding shoe or with the reusable magnetic recessed body.

Another type of scaffolding shoe is doweled to the elevator wall, but it could also be attached to the component using HKS screws in previously cast Anchor rails.

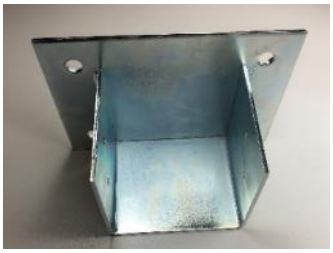
In order to be able to erect such a safe working platform on these scaffold shoes, these scaffold shoes must be arranged exactly opposite each other, as in the elevator shaft.

The safe cross-section of the wooden beams to be used is determined by the width of the beam support on the scaffold shoe.

Image documentation of scaffold shoes and accessories: https://www.bgw-bohr.de/pdf/Bilddokumentation_Geruestschuhe_und_Zubehoer.pdf

BGW- Scaffolding shoes for dowelling, Galvanised

For beams approx. 110 mm wide



Item no.		Weight kg/piece	Price €/piece
0581-200x140	200x140mm	1,860	12,50

BGW- Galvanised scaffolding shoe for insertion

For beams approx. 110 mm wide



Item no.	Square plug-in pin mm	Weight kg/piece	Price €/piece
0581-20	20	1,546	13,30
0581-25	25	1,891	14,30
0581-30	30	2,236	15,50

BGW- Scaffolding sleeve, Plastic for setting in concrete

Scaffolding sleeves are installed in the component as permanent Formwork when the elevator interior walls are concreted.
The corresponding scaffolding shoes are then inserted into the cavity created in the component during elevator installation.

Item no.	Square plug pin mm	Weight kg/piece	Price €/piece
09025	25x25x95	0,030	1,65
09030	30x30x95	0,030	2,15



BGW- magnets for holding scaffolding sleeves on the steel formwork

The magnet body, protected with a release agent, is pushed into the opening of the scaffolding sleeve.

To prevent the scaffolding sleeve containing the magnet from floating during concreting and to prevent concrete from entering the scaffolding sleeve, the front end must be sealed with thin adhesive tape.

The last two digits of the item number indicate the dimensions of the square section of the magnet body.



BGW- Magnetic scaffolding shoe recess body with base



When concreting components such as elevator shaft walls, the magnetic placeholders for the scaffolding shoe plugs are placed on the steel formwork and then removed from the component again once the concrete has hardened.

The advantage is that the plastic part, the "scaffolding sleeve," can be omitted.

Item no.	Adhesive force kg	Plug pin square mm	Weight kg/piece	€/piece
HM4-G-25	60	25	0,180	85,00
HM4-G-30	60	30	0,180	85,00



BGW- ASK recessed body for scaffolding shoe

Item no.	Adhesive force kg	Square	PU	Model	Weight kg/piece	€/piece
HM4G25/25	25	25 x 25	10	ETN		65
HM4G25/15	15	25 x 25	10	ETN		45
HM4G26/25	25	26 x 26	10	Stingl		65
HM4G26/15	15	26 x 26	10	Stingl		45
HM4G30/40	40	30 x 30	10	ETN		80
HM4G30/35	35	30 x 30	10	ETN		60
HM4G31/40	40	31 x 31	10	Hilti		80
HM4G31/35	35	31 x 31	10	Hilti		60



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- installation parts for elevator builders

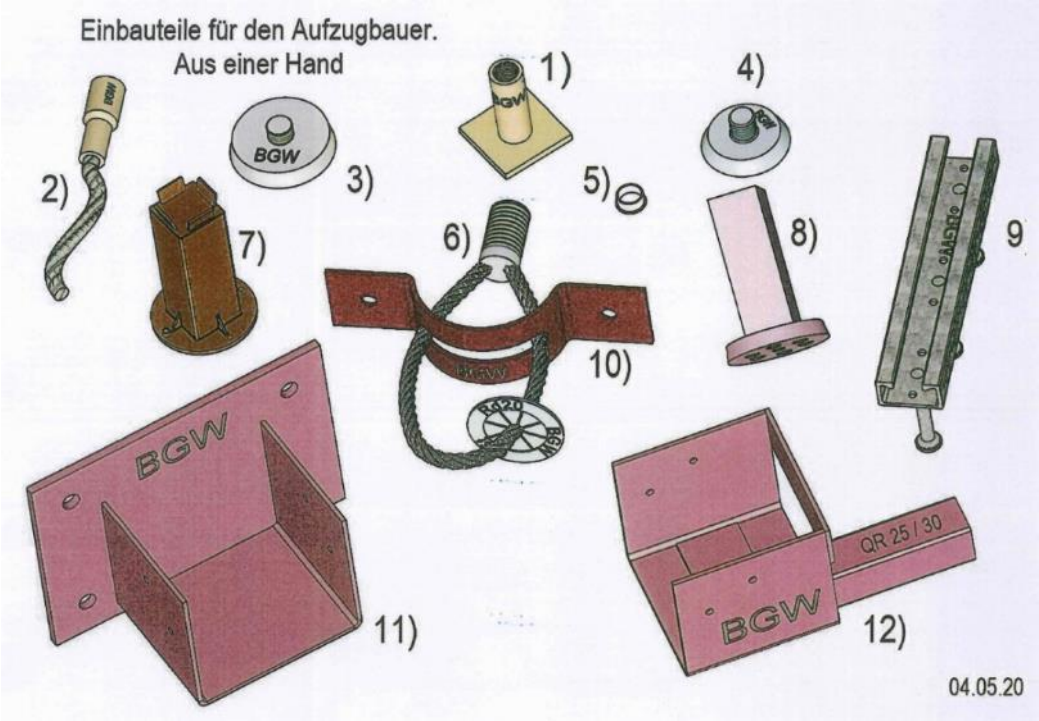
Alles aus einer Hand!

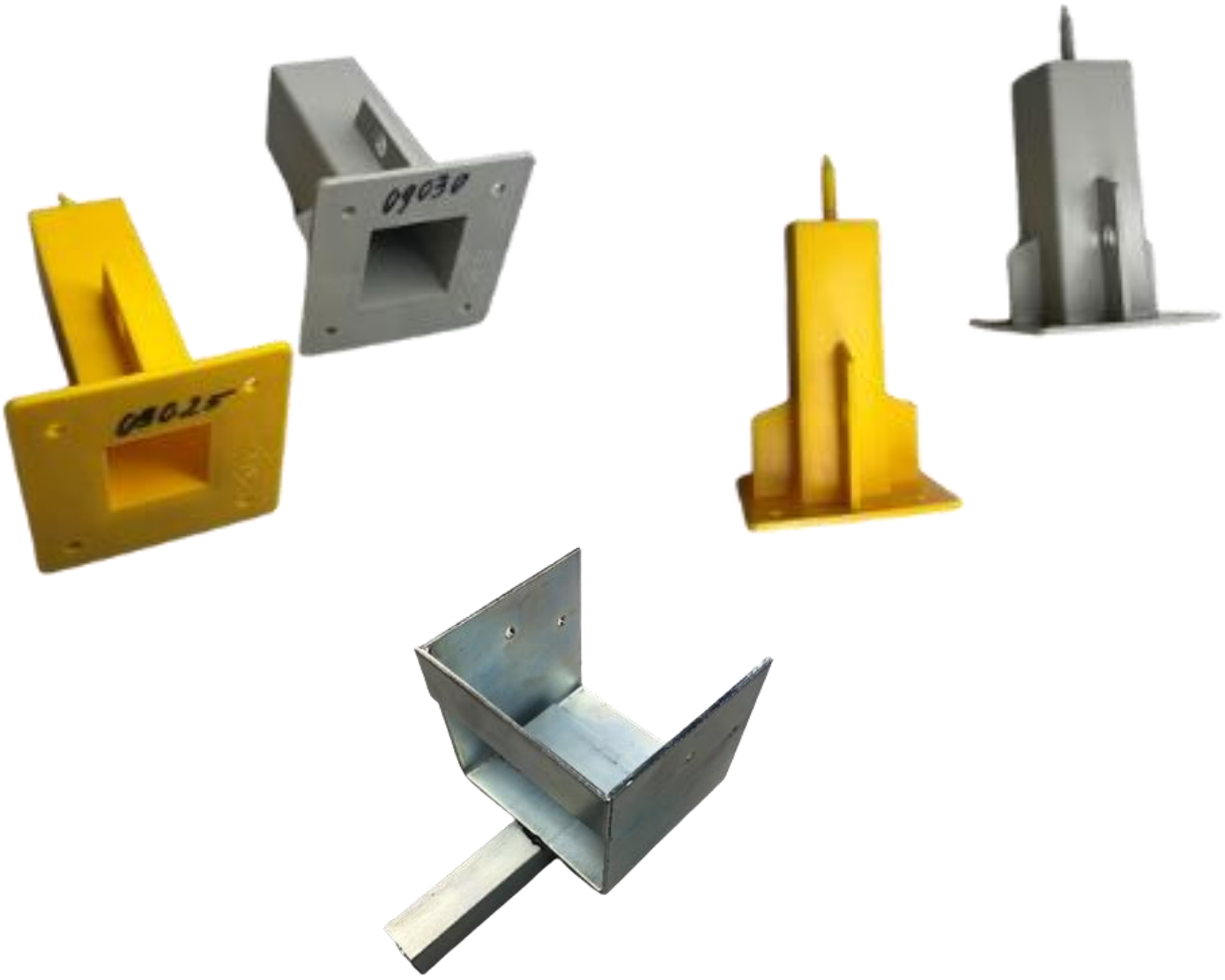
Pic	Item no.	Designation/Dimensions	€/piece
1	0354/55	Flat steel anchor – galvanized – without hole in plate Rd16 x 55 mm	2,60
1	0358	Flat steel anchor – galvanized – with hole in plate Rd20 x 47 mm	3,17
2	0254	DWK - Double shaft anchor, short form - Galvanized sleeve Rd16 x 167 mm	1,07
2	0258	DWK - Double shaft anchor, short form - Galvanized sleeve Rd20 x 187 mm	1,99
2	0204	DWL - Double wave anchor, long form - Galvanized sleeve Rd16 x 216 mm	1,18
2	0208	DWL - Double wave anchor, long form - Galvanized sleeve 20 x 257 mm	2,07
2	0471	Ribbed foot anchor – galvanized sleeve Rd16 x 140 mm	1,55
2	0437	Ribbed foot anchor – galvanized sleeve Rd20 x 170 mm	2,40
3	HM4-3 M16-1	Adhesive magnet M16	72,00
3	HM4-3 M20-1	Adhesive magnet M20	72,00
4	0904	Plastic retaining disc (nail plate) M16	0,35
4	0908	Plastic retaining disc (nail plate) M20	0,36
5	0954	sealing plug M16	0,11
5	0958	sealing plug M20	0,12
6	0654	Rope loop Rd16 x 155 mm	5,78
6	0658	Rope loop Rd20 x 215 mm	8,18
6	0658-130	Rope loop Rd20 x 130 mm	8,30
7	09025	Scaffolding sleeve for 25 mm shoe	1,65
7	09030	Scaffolding sleeve for 30 mm shoe	2,15
8	HM4-G-25	Magnet for scaffolding sleeve 25 mm	65,00
8	HM4-G-30	Magnet for scaffolding sleeve 30 mm	65,00
9	BGW anchor rails ETA-16/0387 approval		

Item No.		Profile	Length mm	Anzahl Anker	Weight kg/piece	Price €/pc	Price €/pc
fv	V4A					fv	V4A
AS-40/22-150	AS-40/22-150E	40/22	150	2	0,408	10,00	33,50
AS-40/22-200	AS-40/22-200E	40/22	200	2	0,524	10,50	41,00
AS-40/22-250	AS-40/22-250E	40/22	250	2	0,639	14,50	52,50
AS-40/22-300	AS-40/22-300E	40/22	300	2	0,755	16,00	61,00
AS-40/22-350	AS-40/22-350E	40/22	350	3	0,901	17,50	66,00
AS-40/22-400	AS-40/22-400E	40/22	400	3	1,016	19,50	73,50
AS-40/22-550	AS-40/22-550E	40/22	550	3	1,363	26,00	97,50
AS-40/22-800	AS-40/22-800E	40/22	800	4	1,971	34,50	143,50
AS-40/22-1050	AS-40/22-1050E	40/22	1050	5	2,579	43,50	187,00
AS-40/22-1300	AS-40/22-1300E	40/22	1300	6	3,188	55,50	
AS-40/22-1550	AS-40/22-1550E	40/22	1550	7	3,796	65,50	
AS-40/22-1800	AS-40/22-1800E	40/22	1800	8	4,404	75,50	
AS-40/22-2050	AS-40/22-2050E	40/22	2050	9	5,013	85,50	
AS-40/22-2300	AS-40/22-2300E	40/22	2300	10	5,621	95,50	
AS-40/22-2550	AS-40/22-2550E	40/22	2550	11	6,229	105,00	
AS-40/22-3050	AS-40/22-3050E	40/22	3050	13	7,446	111,50	495,00
AS-40/22-6070	AS-40/22-6070E	40/22	6070	25	14,792	215,50	988,00

10	0518-16-20	Anti-rotation device for Rope loopn Rd16 und Rd20	10,50
11	0581-200x140	Scaffolding shoe for doweling, galvanized	12,50
12	0581-25	Scaffolding shoe for insertion into 25 mm bolts, galvanized	14,30
12	0581-30	Scaffolding shoe for insertion into 30 mm bolts, galvanized	15,50

BGW- installation parts for elevator builders





BGW- Anti-unscrewing device for rope loops

Installation of the anti-unscrewing device for rope loops in elevator construction:

The rope loops are screwed into the Threaded anchors installed in the shaft head to hold loads.

To prevent the rope loops from unscrewing themselves during operation, the anti-unscrewing device for rope loops is installed to secure their position. The rope loop must be screwed completely into the threaded anchor in the shaft head, which is set in concrete. By turning the rope loop back slightly by up to 90°, it is brought into the correct working position.

The rope eye, the eye of the rope loop, is guided through the longitudinal groove of the anti-unscrewing device to ensure secure fixation. The anti-unscrewing device is permanently fixed in the working position by securing it with two Ø 8 mm dowels through the two Ø 10 mm holes in the anti-unscrewing device.

Item no.	Reaming device	Length x width	Hole distance	Hole Ø	Rope groove L x W	Arc Height	PU	Weight kg	Price piece
0518-16-20	M16/Rd16 M20/Rd20	210 x 50mm	155mm	10mm	80 x 12mm	45mm	50 Piece	0,245	10,50€










BGW-
Fastening technology

BGW

bohr GmbH
GERMAN QUALITY
SINCE 1986

BGW- Concrete screw magnet – Concrete thread

(Green production in precast concrete plants)

Screw in concrete screws without drilling holes, without cutting threads, without using a lot of force

The BGW- concrete screw system

What's new is that the finished threaded hole is already in the concrete part without having to drill, and even better, the thread for the concrete screw is already in the cast screw hole without having to cut it. The screw hole or screw holes for the concrete screws are already in the component and can be used immediately for temporary fastenings of supports and struts during assembly on the construction site. The BGW concrete screws made of hardened steel can be easily unscrewed from these threaded holes and reused. The system is low-wear.

If permanent fastening is required, an approved adhesive must first be applied to the threaded hole before the BGW concrete screw is screwed in. Once the adhesive has hardened, the concrete screw can no longer be removed. Concreting threaded fastening holes is more economical and sensible than drilling them on the construction site.

No extra dowels of any kind are required for fastening.
The waxed recess body with the threaded pin is measured and placed on the Formwork, then covered with concrete. The concrete screw threaded pin is approx. 100 mm long, so that it is clearly visible when concreting double wall shells.

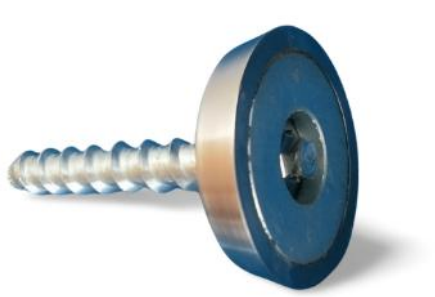
When stripping the formwork, these recess bodies with the threaded pin for the concrete screws are unscrewed from the hardened concrete in a counterclockwise direction using a 10 mm Allen key.
The recesses for the concrete thread are usually magnetic on the formwork side of steel formwork.
A BGW concrete screw (Ø 14 mm) screwed into such a concrete thread by hand can withstand 1500 kg or more in a tensile test until the concrete fails. In order to improve the pull-out values of the concrete screw in the concrete until the steel fails, the concrete would first have to be reinforced with iron in the area affected by the concrete screw.

To fasten stairs or balcony railings, the corresponding hole patterns are already incorporated into the Formwork at the concrete plant, thus ensuring that no load-bearing Reinforcement is destroyed when drilling fastening holes for the dowels.

HM4-B Magnetic recessed body for the BGW concrete thread

- with a threaded pin Ø 14

Item no.	Thread Ø mm	Threaded hole up to depth	Plate Ø D1 D2	Item no. Sealing washer	Adhesive force kg	PU Pcs	Weight piece kg	Price piece €
HM4-B-14-1	14	100	50x45	HFAMV	25	1	0,200	65,00





BGW- Adapter with lifting eye – for flanging and transporting components using the concreted thread

Adapter plate with Lifting eye for flanging to the recesses, with fastening thread, for mounting railings. These adapter plates are not only used for railing fastening, but can also be used for mounting balconies, for example, if no Transport anchors can be installed.
When installing the balcony, a suitable adapter plate is fastened in the concreted threads and the Recesses for the railing fastening. The balcony, the Horizontal component, is lifted and installed at an angle of approx. 90° to the concrete screws.



BGW- Intermediate plate, support plate for mounting inclined supports

These intermediate plates are for flanging to the support head and support foot of standard angle supports. They are designed to be used with two concrete screws or dowels, which can be fastened to the floor slabs and to the wall. The holes in the concrete for the screws are already recessed during the concreting of the wall and floor slab with the corresponding threaded pins.

Intermediate plate

Item No.	Screw for flanging Countersunk head	Plate Length Width Thickness	Slotted holes Length Width	For BGW Concrete screws Item no.	Countersunk head Screw with nut	PU Pcs.	Weight Piece kg	Price Piece €
563073	M12	200x60x12	50 x 15	563073	M12x30	10	0,970	22,60





Reusable hardened steel concrete screws for fastening mounting supports

BGW concrete screws can be screwed in using a 10 mm Allen key or a 16 mm hexagon socket.

Item no.	Length	Wrench size mm	Allen mm	Core hole in fresh concrete mm	Core hole in old concrete mm	Weight kg	PU piece	Price € piece
563073	90	16	10	10	bis 11	0,076	50	0,73

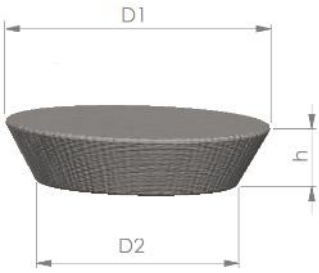


BGW- Glass fiber reinforced concrete sealing plugs

For sealing the openings of built-in components

Item no.	Ø D1 mm	Ø D2 mm	h1 mm	Weight kg	PU	Price €/piece
HFAMV	49	44	9	0,040	100	5,76





BGW- Data recessed bodies, Retaining discs (DASK) with marking for Threaded anchors



BGW- Data recessed bodies with marking for permanent and legible marking of Transport anchors in concrete.

The data recess body is screwed onto the transport anchor using a centering screw, which aligns the transport anchor at a right angle to the recess surface (for attaching the Load-bearing device). The formwork stop side of the plastic and metal versions are smooth and available for gluing, screwing or nailing through the threaded hole in wooden formwork, or magnetically in steel formwork. The anchor markings made after the hardened concrete has been stripped from the formwork ensure optimum identification of the transport anchor with the manufacturer, anchor type, load capacity, and additional information such as pull direction, pull angle, dynamic forces, etc., in accordance with the safety regulations for transport anchors and systems for precast concrete elements of the German Trade Association (Section 4.3).



This intelligent and quick fastening option is a simple way to avoid high additional costs for marking parts and downtime on the construction site due to missing safety information on Transport anchors, electrical installations, sanitary installations, etc.

Note: Before first use, place the data recess body in formwork oil, as it is reusable and will be removed from the formwork again. Do not nail the data recess body, but attach it to the formwork with a centering screw.

BGW- Data recess body (DASK) with marking

made of Plastic

Item no.	M/Rd	Ø	Height h mm	Price €/piece
0900-12-K	12	50,5	10	4,05
0900-14-K	14	55,5	10	4,27
0900-16-K	16	59,2	10	4,61
0900-18-K	18	62,5	10	5,00
0900-20-K	20	73,5	10	5,27
0900-24-K	24	78,2	12	8,21
0900-30-K	30	94,2	12	9,69
0900-36-K	36	105,2	12	13,10
0900-42-K	42	115,3	15	18,98
0900-52-K	52	135,3	15	33,58

Centering screw for recess body

Item no.	M/Rd	Ø D1/mm	Plate height mm	Price €/piece
0900-12-Z	12	23,5	8	4,05
0900-14-Z	14	26,5	8	4,23
0900-16-Z	16	30,5	8	4,56
0900-18-Z	18	33,5	8	4,96
0900-20-Z	20	37,0	8	5,27
0900-24-Z	24	41,0	9,5	8,21
0900-30-Z	30	50,0	9,5	9,69
0900-36-Z	36	59,0	9,5	13,06
0900-42-Z	42	67,0	12	18,98
0900-52-Z	52	81,0	12	33,54

Plastic - magnetic Stainless steel

Item no.	M/Rd	Ø	Height hmm	€/piece
0900-12-K-M	12	50,5	10	47,-
0900-14-K-M	14	55,5	10	49,-
0900-16-K-M	16	59,2	10	51,-
0900-18-K-M	18	62,5	10	53,-
0900-20-K-M	20	73,5	10	57,-
0900-24-K-M	24	78,2	12	61,-
0900-30-K-M	30	94,2	12	67,-
0900-36-K-M	36	105,2	12	74,-
0900-42-K-M	42	115,3	15	83,-
0900-52-K-M	52	135,3	15	106,-

Locking screw for centering screw

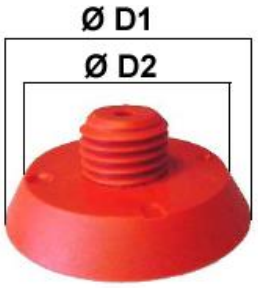
Item no.	M/Rd	Ø D1/mm	Price €/piece
0920E	12	Ø22	10,38
0902E	14	Ø25	11,77
0924E	16	Ø29	13,60
0926E	18	Ø32	15,15
0909E	20	Ø36	17,21
0928E	24	Ø40	22,14
0930E	30	Ø48	26,03
0932E	36	Ø58	32,91
0934E	42	Ø66	42,68
0936E	52	Ø80	53,72

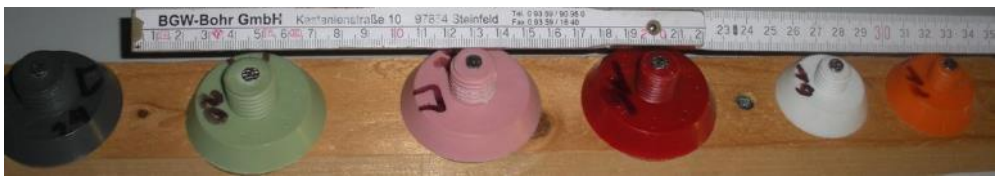
BGW- Nailing plates - retaining washers

BGW retaining discs are used for quick fastening of our Threaded anchors to wooden formwork.
BGW plastic retaining discs provide concrete cover of 10–15 mm for the threaded anchors, depending on the size of the threaded anchors. Sealing the thread prevents dirt from entering the thread of the threaded anchor during concreting.
BGW retaining discs are an important component of the BGW transport anchor system.
These BGW retaining discs are therefore made of dimensionally stable plastic, they are dimensionally accurate and fit perfectly for BGW lifters, locking screws, and locking discs made of glass fiber reinforced concrete.
If other retaining discs that are not BGW are used, they are no longer part of the system and the warranty for the complete threaded transport anchor system expires.
When working in winter, the plastic retaining discs should be warm to the touch.
Instructions for use: The retaining discs must be attached to the wooden formwork using the visible "nail holes" on the formwork side of the retaining disc. This fastening material could be nails or screws.The hole in the retaining disc, which is not yet completely through, can be made ready for use and made through with a drill or a nail that has been blunted beforehand.

BGW- Plastic retaining discs (Nail plates)

Item no.	Thread M/Rd	Concrete Covering mm	Ø D1 mm	Ø D2 mm	PU piece	Weight kg/piece	Price €/piece
090140	10	10	40	30	250	0,006	0,30
090040	12	10	40	30	250	0,006	0,30
090050	12	10	50	40	250	0,008	0,35
0903	14	10	40	30	250	0,006	0,35
0904	16	10	55	45	250	0,010	0,35
09041	16	10	50	40	250	0,010	0,35
0906	18	10	55	45	250	0,010	0,35
09061	18	10	50	40	250	0,010	0,35
0908	20	10	55	45	250	0,013	0,36
09081	20	10	78	68	250	0,020	0,50
0910	24	10	55	45	250	0,010	0,38
09101	24	10	78	68	250	0,010	0,50
0912	30	10	70	60	250	0,018	0,44
09121	30	10	78	68	250	0,019	0,50
0914	36	10	70	60	150	0,022	1,20
09141	36	10	96	86	150	0,043	1,95
0916	42	12	96	86	150	0,046	1,95
0918	52	12	96	86	150	0,061	2,40

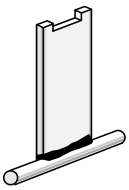






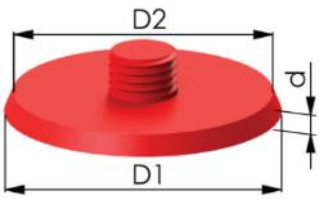
BGW- Key for retaining discs

Item no.	Thread M/Rd	Price €/piece
0913	10 – 24	4,60
09131	30 – 36	4,60
09132	42 – 52	4,60



BGW- Adhesive retaining disc made of plastic

Item no.	Thread	Concrete Covering d mm	Ø D1 mm	Ø D2 mm	PU piece	Weight kg/ piece	Price €/piece
090040-KL	M12	3,5	48	45	250	0,006	0,30
0904-KL	M16	3,5	48	45	250	0,006	0,35
0908-KL	M20	3,5	48	45	250	0,006	0,36



BGW- Nail plate – Conical retaining discs suitable for the BGW transport anchor system and for attaching Shibata fender anchors to the Formwork

With welded threaded pin for Allen key Ø10 mm.

The threaded pin can be moved independently of the Retaining discs.
Other dimensions and threads available on request.



Item no.	Load level t	Thread mm	Ø D1 mm	Ø D2 mm	Height mm	Weight kg	PU piece	Price €/piece
P-0218-M48-B-105	22,0	M48	115	105	20	0,450	1	28,00
P-0218-1-B	22,0	Rd48	135	125	25	0,600	1	28,00
P-0218-52-B	12,5	Rd52	135	125	25	0,645	1	28,00
P-0273-B	15,0	Rd56	135	125	25	0,700	1	28,00
P-0218-60-B	20,0	Rd60	135	125	25	0,800	1	28,00

BGW- magnetic retaining washer – Conical retaining disc Suitable for the BGW transport anchor system and for attaching Shibata fender anchors to the Formwork

With welded threaded pin for Allen key Ø10 mm.

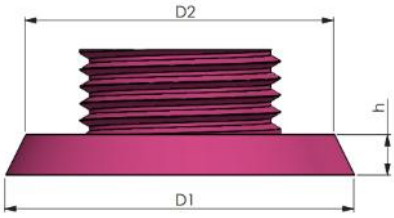
The threaded pin can be moved independently of the Retaining discs.
A neodymium magnet system, protected from vibrations, is cast into the plastic polyurethane in the retaining discs.
Other dimensions and threads available on request.

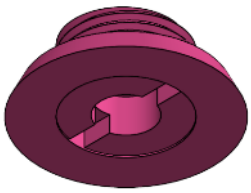
Item no.	Load level t	Thread mm	Ø D1 mm	Ø D2 mm	Adhesive force kg	Height mm	Weight kg	PU piece	Price €/piece
HM4-P-0218-M48-B-105	22,0	M48	115	105	200	20	0,650	1	145,00
HM4-P-0218-1-B	22,0	Rd48	135	125	200	25	0,800	1	150,00
HM4-P-0218-52-B	12,5	Rd52	135	125	200	25	0,845	1	150,00
HM4-P-0273-B	15,0	Rd56	135	125	200	25	0,900	1	150,00
HM4-P-0218-60-B	20,0	Rd60	135	125	200	25	1,000	1	150,00

Polyurethane retaining disc

The threaded pin is not movable and cannot be removed; the threaded pin and retaining disc are designed as a single cast part.

Item no.	Load level t	Thread mm	Ø D1 mm	Ø D2 mm	Height mm	Weight kg	PU piece	Price €/piece
0919		RD56	104	92	12		1	





BGW- Retaining washers with central thread , magnetic, for fixing Threaded anchors

BGW- holding magnets type HM4 with internal thread for screwing a threaded pin into the Galvanised steel disc, which is equipped with built-in magnets. It is also used for fixing Threaded anchors.

Item no.	Thread M	Height mm	Ø D1 mm	Ø D2 mm	Adhesive force kg	€/piece
HM4-M12-60I	12	10	72	70	60	70,00
HM4-M16-60I	16	10	72	70	60	70,00
HM4-M20-60I	20	10	72	70	60	70,00
HM4-M12-120I	12	10	72	70	120	95,00
HM4-M16-120I	16	10	72	70	120	95,00
HM4-M20-120I	20	10	72	70	120	95,00



BGW- washer/& screws made of Stainless steel

For retaining discs, alternatively any diameter for gluing in place (fastening with silicone)



Item no.	Concrete Covering mm	Ø D1 mm	Price €/piece
0911	2	46	8,00
09111	2	53	8,00

BGW- Stainless steel locking screw (fitting surface)



for plastic retaining discs, for HM4

For safety reasons, the locking screws are supplied as standard
on the visible side without openings for attaching a tool.
delivered.

On the threaded side, before screwing in, to close the recess in the concrete, on the inside of the slope of the threaded part, a
sealing the recesses in the concrete, silicone is applied to the inside of the bevel of the locking screw.

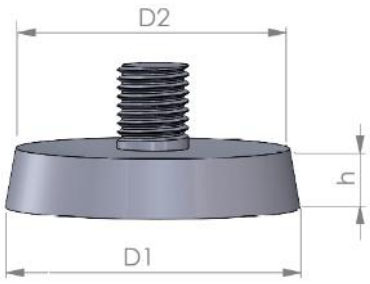
The silicone-coated locking screw can be tightened with the flat of the hand
beyond the diameter of the sealing screw into the opening Flush with the concrete surface.

This method of installing the screw cap prevents
stainless steel sealing screws from being removed.

If there are no slots or holes on the surface of the screw cap,
then these components also look more attractive.







BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Stainless steel screw plug (fitting surface) f. Plastic retaining discs, for HM4

You can also order these locking screws with openings for attaching a tool of your choice.
Slotted, Allen key – the additional price is €6.80/piece.

Item no.	Thread M/Rd	Ø D1 mm	Ø D2 mm	Price €/piece
0901-VE	10	39,0	29,0	21,30
0900-VE	12	39,0	29,0	21,40
0903-VE	14	39,0	29,0	21,60
0904-VE	16	54,0	44,0	22,80
0905-VE	18	54,0	44,0	30,20
0908-VE	20	54,0	44,0	30,25
0910-VE	24	54,0	44,0	38,55
0912-VE	30	69,0	59,0	46,85
0914-VE	36	69,0	59,0	54,00
0916-VE	42	95,0	85,0	85,00
0918-VE	52	95,0	85,0	85,00
0900-12-E	M12	64,5	59,5	55,00
0900-16-E	M16	64,5	59,5	55,00
0900-18-E	M18	64,5	59,5	55,00
0900-20-E	M20	64,5	59,5	55,00
0900-24-E	M24	64,5	59,5	55,00
0900-30-E	M30	64,5	59,5	55,00
0900-36-E	M36	64,5	59,5	55,00

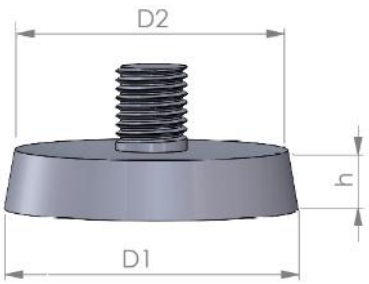


BGW- Stainless steel screw cap for HM4

BGW- Locking screw for centering screw, Stainless steel

Item no.	M/Rd	Ø D1 mm	Price €/piece
0920E	12	Ø22	10,38
0902E	14	Ø25	11,77
0924E	16	Ø29	13,60
0926E	18	Ø32	15,15
0909E	20	Ø36	17,21
0928E	24	Ø40	22,14
0930E	30	Ø48	26,03
0932E	36	Ø58	32,91
0934E	42	Ø66	42,68
0936E	52	Ø80	53,72





Installation instructions at:
Installation instructions for locking washers – locking screws
- Locking plates (search using Ctrl + F)

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- retaining plugs for empty conduits

- Fixing for empty conduits

In order to avoid unnecessary expensive work such as cutting slots on the construction site, the empty conduits for supply lines such as electrical cables are already provided for in the components at the precast concrete plant.
To ensure that these empty conduits are in the planned position in the component during concreting, they must first be sealed to prevent them from filling with concrete and then attached to the Formwork.
We prohibit the use of sealing plugs on the retaining discs.
We offer sealing plugs for nailing, gluing, and also for steel formwork with magnets for attachment.
We are a manufacturer and can manufacture these for any make, any application, and any diameter – simply send us your questions and sketches.

Item no.	Nominal width of empty pipe mm	Ø Spigot mm	Straight 90°	Bevel 45°	Tenon length mm	Complete length mm	Without magnet	With magnet	Weight kg/piece	Price €/piece
HM141590	15	15	ja		20	30	ja			20
HM141545	15	15		ja	20	63	ja			25
HM141590M	15	15	ja		20	30		ja		45
HM141545M	15	15		ja	20	66		ja		50
HM142090	20	20	ja		20	34	ja			22
HM142045	20	20		ja	20	70	ja			28
HM142090M	20	20	ja		20	34		ja		50
HM142045M	20	20		ja	20	70		ja		55
HM142590	25	25	ja		15	42	ja			28
HM142545	25	25		ja	15	68	ja			35
HM142590M	25	25	ja		15	42		ja		58
HM142545M	25	25		ja	15	68		ja		63
HM143290	32	32	ja		15	50	ja			36
HM143245	32	32		ja	15	80	ja			42
HM143290M	32	32	ja		15	50		ja		68
HM143245M	32	32		ja	15	80		ja		76



BGW- retaining plugs, tear-off plugs

A product adopted from mechanical engineering, for concealed installation, for fixing threaded sleeves, threaded transport anchors, sleeve dowels, fixing sockets

The threaded parts, which are concealed in the Building, must be screwed onto the Threaded pin.
The threaded parts with the retaining plugs are then pressed into the marking holes in the Formwork. These must be tightly secured in the holes so that they cannot be lost during concreting.
These retaining plugs with threaded sleeves can be used, for example, when forming gates for prefabricated garages. Once the concrete has hardened, the formwork frame is pushed or knocked out of the concrete opening. The retaining plug breaks off at its weak point. The formwork frame can then be removed. The threaded part for fastening the installation or attachment parts remains protected from dirt until the garage door, railings, etc. is installed.

Item no.	Spigot Ø mm	Weight Ø	Weight kg/piece	PU	Price €/piece
09508	11	M8	0,008	1000	0,35
095010	11	M10	0,008	1000	0,35
095012	11	M12	0,009	1000	0,35
095016	11	M16	0,010	1000	0,35



BGW- protective plugs

The data plug is placed on the threaded sleeve to protect the thread from contamination, sealing it off. This prevents water, dirt, etc. from entering the thread. The threaded anchors sealed in this way are installed flush with the upper edge in the liquid concrete.

To use the threaded anchor for transport, the data plug is opened at the predetermined breaking point using a tool and the broken-off protective disc is removed from the thread. Slinging equipment can now be screwed into the clean thread. The open data plug can be closed again after transport with a sealing plug.
The data plug shows the Manufacturer, the anchor type, and the load level.

Item no.	Thread Rd	Ø D1 mm	PU	Price €/piece
0990	16	30	500	0,18

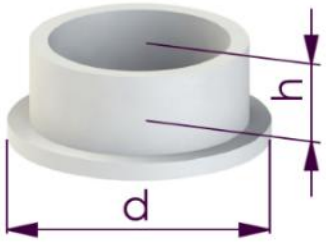


BGW- Sealing plugs (VS)

BGW- sealing plugs (VS) for pressing in

BGW- Sealing plugs are used to seal our transport anchors to prevent the threads from becoming dirty. (Packaging unit: 1,000 pieces)

Item no.	Thread M/Rd	d	h	Price € 1000 pieces
0973	8	9,6	4,0	90,00
0975	10	14,4	5,5	90,00
0950	12	14,4	5,5	90,00
0952	14	18,7	7	105,00
0954	16	18,7	7	105,00
0956	18	18,7	9	120,00
09561	18	24,6	9	
0958	20	24	9	120,00
0960	24	28,5	9	135,00
0962	30	33	11	195,00
0964	36	36	12	210,00
0966	42	45	12	420,00
0968	52	56	20	495,00



BGW- sealing plugs (VS) for permanently sealing the threads of threaded transport anchors

Item no.	Thread Rd	A mm	B mm	C mm	Weight kg	PU	Price 1000 pieces
0950G	12	18	10	10,6	0,002	1000	210,00
0954G	16	25	13	14	0,005	1000	240,00
0958G	20	35	15	18,5	0,015	1000	255,00
0960G	24	35	17,5	21,5	0,014	1000	315,00
0962G	30	42	19	27,5	0,019	1000	420,00
0964G	36	51	20	32,5	0,028	1000	450,00
0966G	42	59	20	38	0,036	1000	870,00
0968G	52	72	22,5	46	0,052	1000	990,00



A = Outer diameter of the plug
B = Height of the plug
C = Diameter of the threaded piece

BGW- plastic retaining plugs

For recessed installation of threaded anchors for greater corrosion protection or greater concrete cover

Item no.	Thread M	Concrete Coverage d mm	Ø D1 mm	PU	Price €/piece
5660	M12	15 mm	Ø27	250	0,62
5661	M16	15 mm	Ø27	250	0,71
5662	M20	15 mm	Ø27	250	0,74
5663	M24	15 mm	Ø27	250	0,78



BGW- (VS) sealing plugs

BGW- sealing plugs (VS) for retaining plugs in Stainless steel with slot





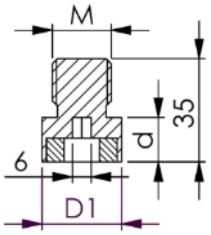
Item no.	Thread M	Concrete Cover d mm	Ø D1 mm	Weight kg	PU	Price €/piece
56601V	M12	15	Ø26	0,075	1	15,30
56611V	M16	15	Ø26	0,082	1	17,80
56621V	M20	15	Ø26	0,102	1	19,30
56631V	M24	15	Ø26	0,123	1	21,70

BGW- Steel retaining plug, magnetic, Galvanised

(for Allen key SW 6)

For recessed installation of threaded anchors for higher corrosion protection or higher concrete cover

Item no.	Thread M	Concrete Coverage d mm	Ø D1 mm	Allen mm	Weight kg	Adhesive force kg	PU	Price €/piece
56601	M12	15 mm	Ø27	6	0,075	30	1	48,00
56611	M16	15 mm	Ø27	6	0,082	30	1	48,00
56621	M20	15 mm	Ø27	6	0,102	30	1	48,00
56631	M24	15 mm	Ø27	6	0,123	30	1	48,00
56641	M30	20 mm	Ø48	10	0,270	120	1	105,00



Concrete plugs for gluing in

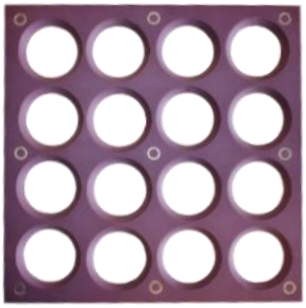
Item no.	Ø D1 mm	H mm	Ø D2 mm	H2 mm	Ø D3 mm	PU	Price €/piece	For item no.:
56640V	26,5	14,5			25,5	100	3,20	56601/56611/56621/56631
56641E	48	6	24,5	30	47	100		56641

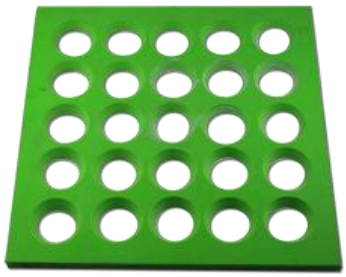


BGW- mold / casting template for sealing discs



BGW- Casting dies for the production of sealing discs for the recesses of the Retaining discs, the recess bodies for the ball head anchors, and the expansion anchors.
These polyurethane casting molds are available in two versions: without built-in magnets and with built-in magnets.
The built-in magnets pull the casting mold tightly onto the steel formwork base so that the cement paste cannot flow out from under the casting template when it is filled.
The casting template without built-in magnets must be weighted down to prevent it from floating when filling the casting template. The sealing discs produced in this way have no bleeding edges.





Mold for the recesses of BGW retaining discs (Threaded anchors)

Item No.	Thread M/Rd	ø D1 mm	ø D2 mm	Nests	Version	Price €/piece
090	10/12/14	40	30	25	without magnet	140,00
090M	10/12/14	40	30	25	with magnet	220,00
089	12/14/16/18	50	45	16	without magnet	140,00
089M	12/14/16/18	50	45	16	with magnet	220,00
091	16/18/20/24	55	45	16	without magnet	140,00
091M	16/18/20/24	55	45	16	with magnet	220,00
099	16	58,2	53,7	16	without magnet	140,00
099M	16	58,2	53,7	16	with magnet	220,00
092	30/36	70	60	16	without magnet	140,00
092M	30/36	70	60	16	with magnet	220,00
093	42/52	96	86	9	without magnet	140,00
093M	42/52	96	86	9	with magnet	220,00





The mat for recesses in ball head anchors

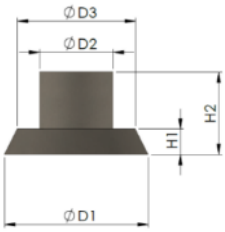
Item no.	Ball-head anchor	ø D1 mm	ø D2 mm	Nests	Version	Price €/piece
0907	1,3	59	53	16	without magnet	150,00
0907M	1,3	59	53	16	with magnet	230,00
09010	2,5	73	67	9	without magnet	150,00
09010M	2,5	73	67	9	with magnet	230,00
09011	4 - 5	93	86	9	without magnet	150,00
09011M	4 - 5	93	86	9	with magnet	230,00
09012	7,5 - 10	116	108	9	without magnet	150,00
09012M	7,5 - 10	116	108	9	with magnet	230,00
09013	12 - 20	155	150	4	without magnet	140,00
09013M	12 - 20	155	150	4	with magnet	220,00
09015	32	215	203	1	without magnet	100,00
09015M	32	215	203	1	with magnet	180,00



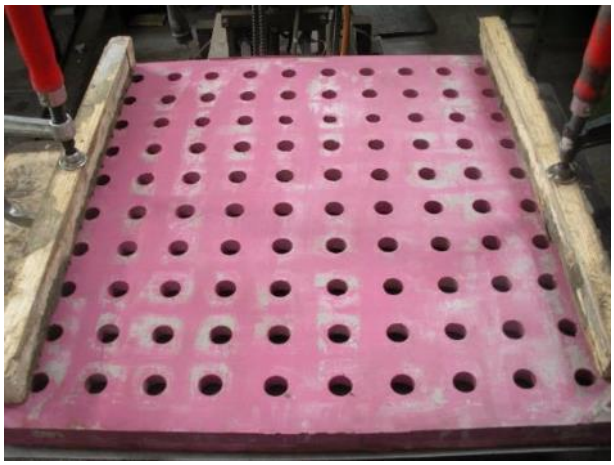
BGW- mold / casting template for sealing discs

Casting die for sealing plugs/discs

Item no.	Ø D1 mm	Ø D2 mm	Ø D3 mm	h1 mm	Nests	Version	Price €/piece
0900611	25		21	14	100	without magnet	1.000,00
0900611M	25		21	14	100	with magnet	1.500,00
0900622	42	21	30	7	100	without magnet	1.000,00
0900622M	42	21	30	7	100	with magnet	1.500,00
0900600	45	24/23	35	7	100	without magnet	1.000,00
0900600M	45	24/23	35	7	100	with magnet	1.500,00
0900644	45	27	32	7	100	without magnet	1.000,00
0900644M	45	27	32	7	100	with magnet	1.500,00
0900630	45	26,5	35	7	100	without magnet	1.000,00
0900630M	45	26,5	35	7	100	with magnet	1.500,00
HMAMVV0	49	24/22	44	9	100	without magnet	1.000,00
HMAFVV0M	49	24/22	44		100	with magnet	1.500,00







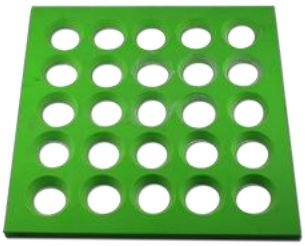
BGW- casting mold for sealing washer for recessed body (ASK) for recessed installation4of threaded transport anchors

- and for closing the recesses

BGW- mold / casting template for sealing discs:

for the production of sealing discs, Retaining discs, and recess bodies for recessed transport anchor installation.

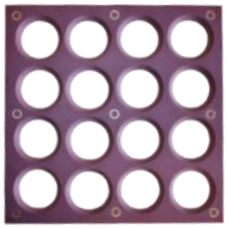
These polyurethane casting dies are available in two versions: without built-in magnets and with built-in magnets.



The built-in magnets pull the casting die tightly onto the steel formwork base so that the cement paste cannot flow under the casting template when it is filled, which would result in the edges of the sealing discs not being sharp.

The casting template without built-in magnets must be weighted down to prevent it from floating when filling the casting template. The sealing discs produced using this method have no bleeding edges and are sharp-edged all around.

The sealing disc for ASK with recessed installation

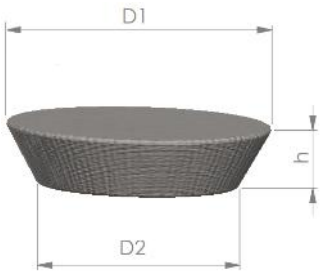


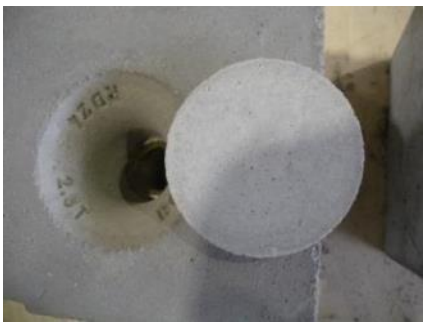
Item No.	Threaded anchors Ø	Ø D1 mm	Ø D2 mm	Thickness	Nests	Version	Quantity piece	Price €/piece
13671	20 + 24	68	59	10	16	Without magnet	1	160
13671M	20+24	68	59	10	16	With magnet	1	260

BGW- Glass fiber reinforced concrete cover for recesses for recessed installation

Item no.	Thread	Ø 70 / Thickness mm	Weight kg/piece	PU	Price €/piece
13672	M20	70 / 10	0,056	100	22€
136724	M24	70 / 10	0,056	100	22€





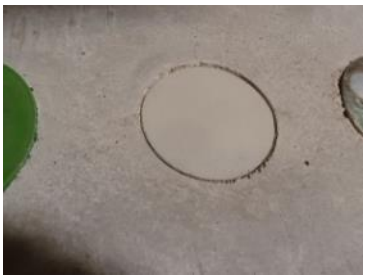


BGW- sealing discs/plugs made of glass fiber reinforced concrete

Any shape and diameter can be manufactured according to a sample or sketch. Please feel free to contact us at ! The glass fiber reinforced sealing disc in exposed concrete quality is glued into the recess of the BGW- magnetic retaining washer and thus sealed. Sealing discs are also available for all HM4 magnets .

BGW sealing disc for recesses in BGW retaining discs (Threaded anchors)

Item no.	Thread M/Rd	Ø D1 mm	ø D2 mm	Height mm	Weight kg/piece	PU	Price €/piece
09120	10/12/14	40	30	9	0,023	100	1,74
09123	12/14/16/18	50	40	9	0,040	100	1,98
09122	16/18/20/24	55	45	9	0,045	100	2,06
09127	12/30	65	60	9	0,080	100	2,16
09124	30/36	70	60	9	0,075	100	3,82
09126	42/52	96	86	9	0,150	100	5,12
09124-1	20/26/30	78	68	9	0,100	100	10,50



BGW- Cover plate for recesses for ball head anchors

BGW- Cover plates in exposed concrete quality are glued into the recesses of BGW ball head anchors and thus sealed. The adhesive surfaces must be cleaned with primer. Care must be taken to ensure that the thickness of the adhesive material applied to the edge of the recess and also to the entire diameter of the Anchor head is sufficient so that the sealing disc rests fully on the Anchor head, the sealing disc is not hollow and rests on or fits against the edge of the recess.

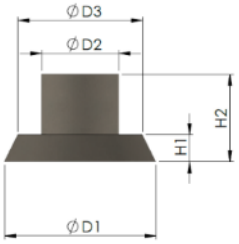


Item No.	Ball head anchor	Ø D1 mm	ø D2 mm	Weight kg/unit	PU	Price €/piece
09128	1,3	59	53	0,070	100	3,52
09129	2,5	73	67	0,125	100	6,88
091210	4 – 5	93	86	0,270	100	14,72
091211	7,5 – 10	116	108	0,425	100	23,20
091212	12 – 20	155	150	0,710	100	38,62
091213	32	215	203	2,500	100	136,00

BGW- Glass fiber reinforced concrete sealing plugs Wall spacers, Sealing cones, exposed concrete cones

Item no.	Ø D1 mm	Ø D2 mm	Ø D3 mm	h1 mm	H2 mm	Weight kg	PU	Price €/piece
090061	25		21	14		0,020	100	3,04
090062	42	21	30	7		0,035	100	3,36
090060	45	24	35	7		0,035	100	3,36
090064	45	27	32	7	18		100	
090063	45	26,5	35	7	25		100	
HMAMVV	49	24/22	44	9	29		100	
56641V	26,5	25,5	14,5				100	3,20



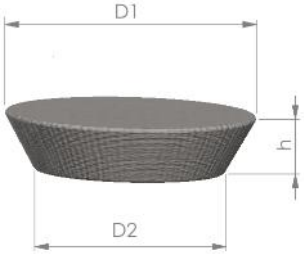


BGW- Glass fiber reinforced concrete sealing plugs for wall spacers

Sealing disc and sealing plug for transport anchors and Spacers
Slotted tube system, sealing disc for openings in slanted struts M12, M16, M20
Transport anchors, recessed installation HFAM M12, M16, M20

Item no.	Ø D1 mm	Ø D2 mm	H mm	Weight kg	PU	Price €/piece
HFAMVKK	25	21	9		100	
HFAMVK	25	22	9	0,025	100	4,25
HFAMV	49	44	9	0,040	100	5,76





Concrete plugs for gluing in

Item no.	Ø D1 mm	H mm	Ø D2 mm	H2 mm	Ø D3 mm	PU	Price €/piece	For item no.:
56640V	26,5	14,5			25,5	100	3,20	56601/56611/56621/56631
56641E	48	6	24,5	30	47	100		56641

BGW- Wire transport anchor (DRA) for installation in concrete - Cover plates



Variant 1 (Hebefix): This DRA wire transport anchor is installed surface-flush with the surface of the component using the plastic recess body. The plastic recess body remains in the component with the Stainless steel DRA wire transport anchor. The prescribed marking of the transport anchor with the manufacturer's anchor type and load rating must be legible on the base of the shank.

Variant 2: The DRA wire transport anchor can be installed using bare or galvanised wire, as these recessed bodies install the wire anchor 10 mm deep into the component. These recessed bodies can be reused many times. The anchor wire is inserted into the slotted mouth of the recessed body, which is opened with two round rods. This recessed body is then closed again. The wire transport anchor is in the mouth of the recessed body and is installed in the fresh concrete up to the upper edge of the recessed body.



As an installation aid, it is useful to pin the recess body to the formwork using the two holes on its smooth upper side and pins with a diameter of 8 mm when installing it sideways or overhead. The pins have an M8 thread.
When installing the wire transport anchor on the concrete surface, the recessed body with the inserted wire transport anchor is placed on the retaining plate with the retaining handle and pressed flush into the fresh concrete at the top..

This recessed body is removed by inserting Ø 8 mm iron rods into the two holes on the top of this recessed body and pressing these two iron rods against each other, which opens the mouth of the half-round recessed body and releases the Wire transport anchor.
The hand load hook is made of flat Galvanised material to distribute the load of the component attached to the Wire anchor over a larger area.







Recess without plastic recess body



Recess without plastic recess body

BGW- wire transport anchors (DRA) for installation in concrete - cover plates

The load rating should be specified as 150 kg for concrete strength C15/20..
The prescribed marking of the transport anchor with the manufacturer, anchor type and load rating is clearly legible on the base of the shim.

BGW- Wire transport anchor (Hebefix)



Variant 1: Recessed body with mounted stainless steel Wire anchor

Marking on the ASK: BGW DRA 150 kg

Item no.	Load level kg	Stainless wire Ø mm	Length mm	Width mm	Height mm	Weight kg/piece	PU piece	Price €/piece
43100	150	4	29	73	35	0,026		

BGW- Recess body ASK to open for DRA, made of polyurethane

The ASK can be opened in the middle. The DRA wire anchor is inserted into this slit-like opening and then closed again for installation in the Formwork or for piercing the retaining plate.

Variant 2: Recess body for 10 mm recessed wire anchor installation





Marking in concrete: BGW DRA 300 kg

Item no.	Load level kg	Length mm	Width mm	Height mm	Weight kg/piece	PU piece	Price €/piece
16600	300	73	25	30	0,486	20	12,80€

BGW- Wire transport anchor – made of bare wire/Galvanised/Stainless steel

Item no.	Material	Load level kg	Stainless steel wire Ø mm	Length mm	Width mm	Height mm	Weight kg/piece	PU piece	Price €/piece
43200	Blank	300	4		30,5	40	0,015	1000	0,32
43200C	Verzinkt	300	4		30,5	40	0,015	1000	0,35
43200E	Edelstahl (V2A)	300	4		30,5	40	0,015	1000	0,40
43200EE	Edelstahl (V4A)	300	4		30,5	40	0,015	1000	0,42

BGW- Tension pin, for marking out the recess body

Two holes for the tension pins are drilled into the formwork floor at the same spacing as the holes in the ASK. The tension pins are driven into these holes until they protrude by approx. 20 mm.

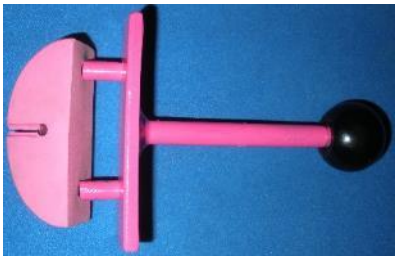
Item no.	Ø mm	Weight kg/piece	PU piece	Price €/100 pieces
16600-10	7		100	12



BGW- wire transport anchors (DRA) for installation in concrete - cover plates

BGW- Retaining plate with handle

For attaching the recessed body ASK with inserted Wire transport anchor DRA, for installation, for pressing in on the component surface
The steel plate has two tension pins 7 mm away from the holes in the ASK.
The DRA is placed in the open ASK and the ASK is closed.
The two clamping pins of the retaining plate are pressed into the two sockets of the closed ASK until the ASK rests on the underside of the retaining plate.



Retaining plate with handle

Item no.	Weight kg/piece	PU piece	Price €/piece
16600-1		1	25

BGW- Round rods for opening the recessed body

These offset round bars are inserted into the cast-in sockets of the ASK until they reach the stop. These two round bars are then pressed against each other until they cross over and the ASK is opened.
During this process, the round rods of the ASK must always be moved carefully so that it can be released from the concrete more easily.



Round rods

Item no.	Ø mm	Length mm	Weight kg/piece	PU piece	Price €/piece
16600-20	8	200	0,080	20	2,80

BGW- Hand load hook for DRA made of forged tool steel with ball handle.

This load hook is precisely matched to the built-in DRA.

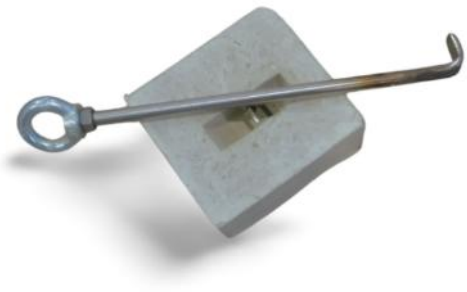
Load hook

Item no.	Ø mm	Weight kg/piece	PU piece	Price €/piece
16600-30			20	45





Recess without plastic recess body



Recess without plastic recess body

BGW- metal support centering devices

Description – Handling



Before concreting, a square formwork plate with a pointed hemisphere in the center is installed diagonally in the middle of the base of the column form.
After the component has been stripped, this concrete impression of the pointed hemispherical body then forms the central centering of the component in the concrete.

The axes, the support axes, are measured on the construction site. A hole approx. 8 mm in diameter and approx. 50 mm deep is then drilled into the concrete at the intersection of the axes.

The Ø 8 mm centering pin is driven into this hole, with the centering pin protruding approx. 50 mm above the concrete. This square plate with the pointed hemisphere is now placed on this centering pin.

This square plate with the pointed hemisphere has holes in the corners. Dowel holes are drilled into the concrete through these holes and this centering plate is doweled to it.

The central pin is pulled out and the component, this concrete support with the concreted female centering, can now be placed on the doweled male centering. Due to the weight of the component, the concrete support, the component then sits centrally on the support centering.

This support centering, this female centering, always remains inside the support form – the male centering, the doweled one, remains lost under the support.





Item no.	Name	Dimensions mm	Fastening type Dowel	Centering hole Ø mm	Bare Galvanised	Weight kg	PU piece	Price €/piece
051901	Support centering type A small	75x75x2	with 4 dowels 8 mm	8		0,160	100	6,85
05190	Support centering type B	110x110x2	For hammering in	8		0,160	100	6,65
051902	Support centering type A large	200x200x2	with 4 dowels 8 mm	8		0,630	100	12,50

BGW- potential connection / Earthing connection

Earthing feed-through



Earthing connection with M8, M10, M12, or M16 thread for
screwing on connecting cables and lugs for connecting components for the purpose of Potential equalisation.
Potential equalisation serves to minimise, conduct, and equalize voltages – positive and negative – between the bodies of electrical operating equipment and external conductive parts, such as iron in the component, in the ground – also known as grounding.
Equalized potential is more important today than ever before.
All components installed in highly sensitive electronic devices will fail immediately due to overvoltage if the potential is not balanced. The devices will then be damaged.

To ensure that the equalization can function without interference, the welded tab with threaded bushing must be connected to the steel reinforcement without resistance before concreting.
the welded flag with Threaded bushing must be connected to the steel reinforcement without resistance,
if possible by welding. In each component,
in every support, every wall panel on the left and right
at the same installation height as on the Support, such an
Earthing connection should be visibly installed.

To avoid any possibility of confusion with other threaded sleeves installed in the component, the grounding symbol, the thread diameter, and the Manufacturer are clearly marked on the flange of the threaded sleeve.
By installing and tightening the bridge cable with the screws in the threaded bushing, the electrical ring around the building is closed. Additional connection options for electrical installations and Metal pipes should also be provided.

The earthing connection consists of a flat iron with a thick-welded threaded sleeve M8, M10, M12, or M16 welded all around. A thick round washer with a large diameter is welded all around the front of the sleeve. This serves to reduce the ohmic resistance in welded joints. The threaded sleeve and flange disc are made of Stainless steel.

Another version is a threaded sleeve with a pressure plate disc welded onto the front end, while on the opposite side, the grounding lug is pressed onto the threaded sleeve over a large area and in a form-fitting manner.
To prevent the earthing connection from protruding after it has been connected to the cables, it should be recessed, installed using Retaining discs for nailing or magnetically.

BGW- Earthing connection with flat iron S235 connection lug

Item no.	Thread Ø x depth mm	Sleeve Ø x length mm V2A AISI304	Flanging washer Ø x Thickness mm V2A AISI304	Connection lug Flat iron Width x thickness x length mm Material S235	Weight kg/piece	PU piece	Price €/piece
57201	M8 x 16	12 x 50	24 x 2	20 x 3 x 200	0,150	50	8,00
57202	M10 x 20	14 x 50	30 x 2,5	25 x 3 x 250	0,200	50	10,00
57203	M12 x 25	16 x 50	37 x 3	30 x 4 x 300	0,350	50	12,00
57204	M16 x 40	22 x 54	50 x 3	40 x 5 x 400	0,612	50	14,00

BGW- Earthing connection with connection lug made of BSt 500

Item no.	Thread Ø x depth mm	Sleeve Ø x length mm V2A AISI304	Flanging washer Ø x mm V2A AISI304	Connection lug BSt 500 pressed in Ø x length mm	Weight kg/piece	PU piece	Price €/piece
57201/1	M8 x 16	12 x 50	24 x 2	6 x 200	0,150	50	8,00
57202/1	M10 x 20	14 x 50	30 x 2,5	8 x 250	0,200	50	10,00
57203/1	M12 x 25	16 x 50	37 x 3	10 x 300	0,350	50	12,00
57204/1	M16 x 40	22 x 54	50 x 3	12 x 400	0,612	50	14,00

BGW- coupling chamber - system with detachable and permanent connections

for producing permanent watertight components – wall connections using Bolts and detachable connections.

An inexpensive system for the secure, permanent connection of concrete components


Chamber bolts: double-leg ladder, single-leg ladder

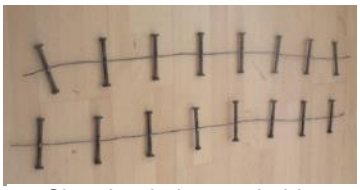
This system could be used as a replacement for:

VS connection loops, connection reinforcements, bar connectors, wall-to-wall connections, reinforcement systems, and cross connections.

The system consists of the chamber sword, the slotted tube, the chamber bolt, the centering device for the chamber sword, and the formwork removal tool.

The chamber bolts are used to stitch the components together. These chamber bolts are forged double-headed bolts – head sizes 2.5xd. These chamber bolts are available as double-leg ladders, single-leg ladders, and rope ladders.

The slotted tube for the Ø 10 mm chamber bolt forms the Ø approx. 45 mm grouting chamber in which the chamber bolts are inserted. The chamber sword spreads the slotted tube placed on the chamber sword under prestress. The component is cast with the built-in chamber sword and the slotted tube. Once the concrete has hardened, the chamber sword is removed from the slotted tube. The slotted tube, which has been enlarged under prestress, releases from the concrete and assumes its smaller Ø (pre-size).


Chamber bolt: rope ladder

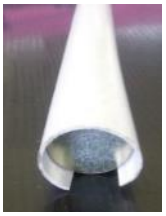

Chamber sword

The slotted tube can now be removed from the component, leaving the chamber for inserting the chamber bolts.

The chamber sword has the task of spreading the slotted tube. The height of the chamber sword determines the installation depth of the slotted tube in the component and thus the length of the chamber bolt to be installed. The chamber bolt is then installed, for example, 60 mm deep at the front end in the concrete and carries approx. 4.5 t until the component fails; the breakout cone is approx. 45°.

The chamber sword forms the channel in which the chamber bolts can then be inserted into the two components to be connected during assembly.
The chamber sword usually has the shape of a trapezoid on the side resting on the Formwork; this trapezoid then forms the grouting grooves in the components to be connected.
Once the coupling chambers have been filled with concrete and the concrete has hardened, these grouting grooves absorb the shear/transverse shear forces in the connection.


Chamber sword with spacers for centering the slotted tube


Slotted pipe

The chamber sword is magnetic on the side facing the steel formwork. It can also be supplied for screwing on. It can be placed exactly on the steel formwork with the slotted tube pushed on and the Spacers attached to both sides of the chamber sword.

During installation, the two components to be connected, coupling chamber to coupling chamber or grout groove to grout groove, are placed opposite each other.

There should be a gap between these components to be connected. This gap can be sealed with foam or other sealing material before filling the coupling chamber with concrete. It is a watertight and maintenance-free joint.

The chamber bolts of the correct length are inserted into the coupling chamber – other, non-matching lengths or diameters cannot be inserted into the coupling chamber. The coupling chambers are filled with normal concrete, which is then subjected to compaction. Once the concrete in the connection, coupling chamber, and grouting groove has hardened, the connection is resistant to shear, pressure, and tension. A 10 mm diameter chamber bolt can withstand tensile forces of approx. 4.5 t before it breaks the concrete.

This system is also available for 10 mm, 14 mm, and 20 mm chamber bolts. In dry connections, which are detachable connections, the chamber lock is inserted into the assembled components and can then be removed again and again, thereby releasing the components. The coupling lock can also be installed as a wet connection.


Chamber sword with slotted pipe

BGW- Coupling chamber for creating permanent wall connections using Bolts and detachable connections.

Several such coupling chambers with grouting chambers can also be provided next to each other at a joint.



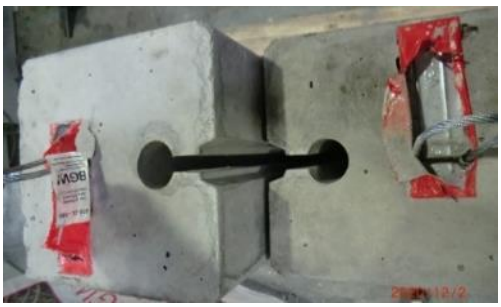
Demolding tool

What does the user need to be able to make such a connection?

- Slotted pipe
- Chamber blade
- Chamber bolt
- Spacers – for centering the slotted tube on the chamber blade
- Stripping tool – used to remove the chamber blade from the slotted tube during stripping

What is the price of this type of component connection with chamber bolts?

The price per 1.25 m chamber bolt, rope ladder or single-beam ladder with 6 chamber bolts is less than €15.

















BGW- stud link anchors/crank retaining anchors for aligning, setting up and fixing walls

In the precast concrete plant, round recesses are cast into the concrete on the underside of the wall on the right and left as required, approximately in the middle of the wall, as placeholders. These placeholders must fit the pin of the pin strap.





These round placeholders for this pin can be screwed onto the HM4 with an M12 threaded pin. When using wooden formwork, these round placeholders for the pin of the pin strap can be nailed to the formwork using the BGW retaining disc M12.
When the wall is stripped, these recess bodies are removed. Instead of the reusable recess bodies described above, disposable mandrel sleeves can also be installed.

When assembling the wall, the pin of the pin strap is inserted into these two blind holes and then hammered in until they are flush with the underside of the wall.
The wall is placed on the substrate, the Floor slab or the concrete ceiling with these dowel tabs hammered into the conical blind holes, and this wall is aligned in its final position.

Once the wall has been aligned, it is secured to the substrate using the Flat iron strap protruding from the side. To do this, a hole is drilled through this hole in the strap into the concrete of the floor slab or concrete ceiling for the dowel, to which the strap is then attached.
Other dimensions are available on request, for example by means of a sketch.

Item no.	Diameter of pin mm	Spike length mm	Round steel	Flat iron length mm	Diameter X mm	Diameter Y mm	Weight kg Piece	Price €/piece
4481	Ø 16	150	gerippt	250x40x5	Ø 16	Ø 13	0,630	4,70
4480	Ø 20	150	gerippt	250x40x5	Ø 16	Ø 13	0,720	5,40
4482	Ø 20	120	glatt	200x50x8		Ø 13	0,924	6,90

Surcharge for versions:
Hot-dip galvanised 2.00 €/kg
chromated 1.50
primed 2.20 €/kg

Magnetic recessed body for the mandrel tab, conical – available with plastic mandrels and steel mandrels

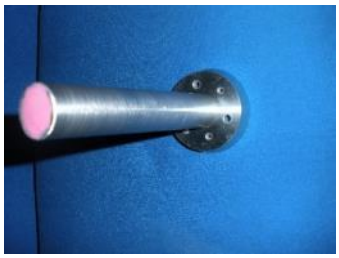
For ribbed mandrel Ø 24-22 mm, length 150 mm
For smooth mandrel Ø 22-20 mm, length 150 mm



Item no.	Material Mandrels	Diameter mm	Length mm	Weight kg Piece	Price €/piece
44800	Kunststoff	Ø 20	150	0,060	42,00
448001	Stahl	Ø 20	150		42,00

Recess body for the mandrel tab for nailing – available with plastic mandrels and steel mandrels

For ribbed mandrel Ø 24-22 mm, length 150 mm
For smooth mandrel Ø 22-20 mm, length 150 mm



Item no.	Material Pins	Diameter mm	Length mm	Weight kg/piece	Price €/piece
448000	Plastic	Ø 20	150	0,060	42,00
4480001	Steel	Ø 20	150		42,00

BGW- stud link anchors/crank holder anchors for aligning, setting up and fixing walls

Lightning anchor

Item no.	M	Price €/piece
56374	M12x110	1,80



BGW- concrete screw for fastening assembly supports

The BGW concrete screw is used to fasten assembly supports, either in a thread concreted in the concrete plant or in a hole drilled on the construction site.

With two drive options – a 16 mm external hexagon and a 10 mm Allen key – this concrete screw can be easily screwed into its anchor hole.

Using a powerful electric screwdriver and applying pressure, the concrete screw can be screwed into the concrete or pre-drilled hole in seconds.

Item no.	Length	Wrench size mm	Allen mm	Core hole in fresh concrete mm	Core hole in old concrete mm	Weight kg	PU piece	Price € piece
563073	90	16	10	10	bis 11	0,076	50	0,73

The concrete screw can be used multiple times.



BGW bohr GmbH GERMAN QUALITY SINCE 1966

BGW- flat steel anchors (FSA) M and Rd thread –Galvanised

Due to their low height, BGW flat steel anchors can be used in all parts of precast concrete construction. They are particularly suitable for fastening supports and struts during the installation of precast concrete elements, for installation in flat parts such as plates and pipes, and for machine use.



Installation instructions:
https://www.bgw-bohr.de_Flachstahlanker_Einbauanleitung.pdf
Test certificate: https://www.bgw-bohr.de/pdf/PruefberichtTUEV_QLHFSA.pdf
EC declaration of conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW- Flachstahlanker_alleLaststufen.pdf

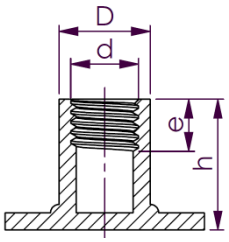
The electro-galvanised or stainless steel sleeve has an Rd or M thread, which should be greased before installation in the precast concrete element. BGW- holding magnets type HM4 are recommended for fixing to steel formwork. To ensure that the anchor is correctly seated when installed, BGW retaining discs or BGW recessed bodies with markings must be used. Plastic sealing plugs or retaining discs are used to prevent dirt and concrete from entering the thread of the sleeve.
The anchor lengths can be modified on request to suit your specific installation requirements.
Flat steel anchors – galvanised – Version: with hole in Plate (the hole is closed with a sealing cap). This hole in the Plate allows the sleeve to be better rinsed inside during galvanising, resulting in stronger galvanisation on the inside.

Rd thread Item no.	M thread Item no.	Load pcs.	Type d x h	Flat steel mm	e mm	D mm	PU piece	kg/100 pcs.	€/piece
Rd-Gewinde Art.-Nr.	M-Gewinde Art.-Nr.	Last- St. t	Typ d x h	Flachstahl mm	e mm	D mm	VPE Stück	kg/100 St.	€ Stück
0350	0350M	0,5	Rd/M12 x 30	35 x 35 x 3	22	16	100	5,0	1,94
0352	0352M	0,8	Rd/M14 x 33	35 x 35 x 3	25	18	100	5,8	1,99
0361	0361M	1,2	Rd/M16 x 35	35 x 35 x 3	27	21	100	8	
0354	0354M	1,2	Rd/M16 x 35	50 x 35 x 3	27	21	100	8,4	2,20
0361-43	0361M-43	1,2	Rd/M16 x 43	50 x 35 x 3	27	21	100	10,5	
0354/55	0354/55M	1,2	Rd/M16 x 55	80 x 60 x 5	27	21	50	27,0	2,60
0377	0377M	1,2	Rd/M16 x 60	50 x 50 x 5	45	21	100	17,2	2,20
03546		1,2	Rd/M16 x 60	50 x 50 x 5	27	21	100	17,2	2,10
0354/65	0354/65M	1,2	Rd/M16 x 65	130 x 130 x	27	21	100		
0354/71	0354/71M	1,2	Rd/M16 x 71	50 x 35 x 3	27	21	100		2,20
	0359M	1,2	Rd/M16 x 75	35 x 35 x 3	27	21	100	15,3	
0356	0356M	1,6	Rd/M18 x 44	60 x 45 x 5	34	25	50	16,6	2,66
0356-80-150	0356-80-150M	1,6	Rd/M18 x 80	150 x 150 x 5	34	25	50	99,4	
0358	0358M	2,0	Rd/M20 x 47	60 x 60 x 5	35	27	50	25,0	3,17
0359		2,0	Rd/M20 x 75	60 x 60 x 5	35	27	50	30	
0351	0351M	2,0	Rd/M20 x 80	60 x 60 x 5	35	27	50	31,7	
0357	0357M	2,0	Rd/M20 x 90	60 x 60 x 5	35	27	50	37,0	
03601	03601M	2,5	Rd/M24 x 54	60 x 60 x 5	43	32	50	29,0	3,30
0360	0360M	2,5	Rd/M24 x 54	80 x 60 x 5	43	32	50	31,2	3,32
0360-54-130	0360-54-130M	2,5	Rd/M24 x 54	130 x 130 x 8	43	32	10	120,7	
0360-65-130	0360-65-130M	2,5	Rd/M24 x 65	130 x 130 x 10	43	32	10	159,9	
0360-70	0360-70M	2,5	Rd/M24 x 70	190 x 70 x 5	43	32	25	66	4,10
0360-250	0360-250M	2,5	Rd/M24 x 70	250 x 60 x 5	43	32	25	80,3	
0360-73-130C	0360-73-130CM	2,5	Rd/M24 x 73	130 x 130 x 8	43	32	10	128,6	
0360-75-130	0360-75-130M	2,5	Rd/M24 x 75	130 x 130 x 8	43	32	10	123,0	
0360-80	0360-80M	2,5	Rd/M24 x 80	70 x 70 x 5	43	32	50	75,0	
0362-68	0362-68M	4,0	Rd/M30 x 68	120 x 120 x 8	56	38	25	114,9	
0362	0362M	4,0	Rd/M30 x 72	100 x 80 x 6	56	38	25	70,0	5,32
0376	0376M	4,0	Rd/M30 x 80	120 x 120 x 10	56	38	10	141,5	4,10
0362-107	0362-107M	4,0	Rd/M30 x 107	100 x 80 x 6	56	38	25	82,7	
0362-115	0362-115M	4,0	Rd/M30 x 115	200 x 100 x 6	56	38	10	137,2	
0362-170	0362-170M	4,0	Rd/M30 x 170	100 x 80 x 6	56	38	10	118,9	
0364	0364M	6,3	Rd/M36 x 80	130 x 100 x 6	69	48	10	118,0	8,39
0375-140	0375-140M	6,3	Rd/M36 x 140	190 x 100 x 10	69	48	10	224	9,00
0375-240	0375-240M	6,3	Rd/M36 x 240	190 x 100 x 10	69	48	10	340	9,00
0375	0375M	6,3	Rd/M36 x 255	190 x 100 x 10	69	48	10		
0366	0366M	8,0	Rd/M42 x 98	130 x 130 x 8	80	54	10	188,0	12,83
0373	0373M	12,5	Rd/M52 x 70	120 x 120 x 16	97	70	10		
0367	0367M	12,5	Rd/M52 x 90	120 x 120 x 8	97	70	10		23,78
0368	0368M	12,5	Rd/M52 x120	150 x 130 x 8	97	70	10	280	23,78

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- flat steel anchors (FSA) M and Rd thread

EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW- Flat steel anchors_all load levels.pdf



Flat steel anchors – Galvanised

Rd thread Item no.	M thread Item no.	Load level t	Type d x h	Flat steel mm	e mm	D mm	PU piece	Weight kg/100 pcs.	Price €/piece
03501	03501M	0,5	Rd/M12 x 30	35 x 35 x 3	22	16	100	6,0	1,08
03521	03521M	0,8	Rd/M14 x 33	35 x 35 x 3	25	18	100	5,8	1,14
0354-2	0354-2M	1,2	Rd/M16 x 35	50 x 35 x 3	27	21	100	8,4	1,24
03545	03545M	1,2	Rd/M16 x 45	60 x 60 x 5	27	21	100	18,7	
03540	03540M	1,2	Rd/M16 x 50	80 x 80 x 6	27	21	50	37,2	
0354/55-1	0354/55-1M	1,2	Rd/M16 x 55	80 x 60 x 5	27	21	50	27,0	1,86
03541	03541M	1,2	Rd/M16 x 60	50 x 50 x 5	50	21	100	17,2	2,20
03542	03542M	1,2	Rd/M16 x 65	80 x 80 x 6	27	21	100	38,0	
03543	03543M	1,2	Rd/M16 x 70	100 x 100 x 6	27	21	50	57,3	
03561	03561M	1,6	Rd/M18 x 44	60 x 45 x 5	34	25	50	16,6	1,74
03581	03581M	2,0	Rd/M20 x 47	60 x 60 x 5	35	27	50	25,0	2,20
03591	03591M	2,0	Rd/M20 x 55	100 x 100 x 6	35	27	50	59,3	
03592	03592M	2,0	Rd/M20 x 55	80 x 80 x 6	35	27	50	31,0	
03570	03570M	2,0	Rd/M20 x 90	60 x 60 x 5	35	27	50	37,0	
03601-2	03601-2M	2,5	Rd/M24 x 54	60 x 60 x 5	43	32	50	29,0	2,44
03602	03602M	2,5	Rd/M24 x 54	80 x 60 x 5	43	32	50	31,2	2,70
0360-70-1	0360-70-1M	2,5	Rd/M24 x 70	190 x 70 x 5	43	32	25	66	5,20
03621	03621M	4,0	Rd/M30 x 72	100 x 80 x 6	56	38	25	70,0	5,44
03641	03641M	6,3	Rd/M36 x 80	130 x 100 x 6	69	48	10	118,0	7,14
03661	03661M	8,0	Rd/M42 x 98	130 x 130 x 8	80	54	10	188,0	14,20
03681	03681M	12,5	Rd/M52 x120	150 x 130 x 8	97	70	10	280	20,24

Flat steel anchors – stainless steel Sleeve and Plate made of AISI 304 stainless steel

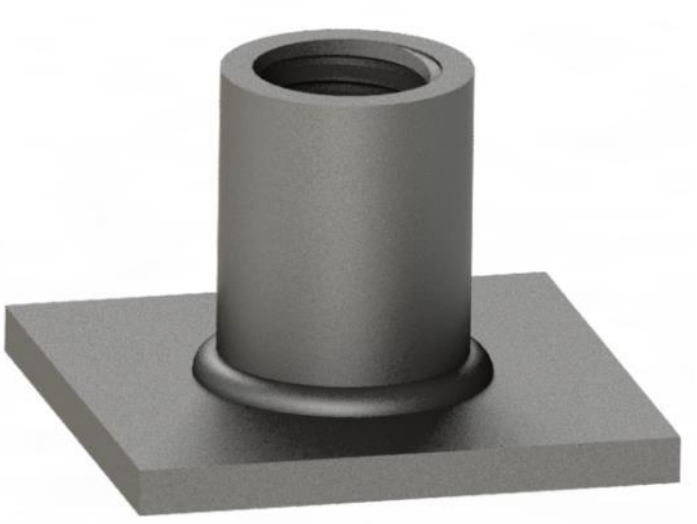
Rd thread Item no.	M thread Item no.	Load level t	Type d x h	Flat steel mm	e mm	D mm	PU piece	Weight kg/100 pcs.	Price €/piece
0350E	0350ME	0,5	Rd/M12 x 30	35 x 35 x 3	22	16	100	5,0	4,25
0352E	0352ME	0,8	Rd/M14 x 33	35 x 35 x 3	25	18	100	5,8	4,95
0354E	0354ME	1,2	Rd/M16 x 35	50 x 35 x 3	27	21	100	8,4	5,80
03545E	03545ME	1,2	Rd/M16 x 45	60 x 60 x 5	27	21	100	18,7	
03540E	03540ME	1,2	Rd/M16 x 50	80 x 80 x 6	27	21	50	37,2	
0354/55E	0354/55ME	1,2	Rd/M16 x 55	80 x 60 x 5	27	21	50	27,0	5,80
03541E	03541ME	1,2	Rd/M16 x 60	50 x 50 x 5	50	21	100	17,2	
03542E	03542ME	1,2	Rd/M16 x 65	80 x 80 x 6	27	21	100	38,0	
03543E	03543ME	1,2	Rd/M16 x 70	100 x 100 x 6	27	21	50	57,3	
0356E	0356ME	1,6	Rd/M18 x 44	60 x 45 x 5	34	25	50	16,6	11,05
0358E	0358ME	2,0	Rd/M20 x 47	60 x 60 x 5	35	27	50	25,0	11,85
03591E	03591ME	2,0	Rd/M20 x 55	100 x 100 x 6	35	27	50	59,3	
03592E	03592ME	2,0	Rd/M20 x 55	80 x 80 x 6	35	27	50	31,0	
03570E	03570ME	2,0	Rd/M20 x 90	60 x 60 x 5	35	27	50	37	
03601E	03601ME	2,5	Rd/M24 x 54	60 x 60 x 5	43	32	50	29,0	12,90
0360E	0360ME	2,5	Rd/M24 x 54	80 x 60 x 5	43	32	50	31,2	13,05
0360-70-1E	0360-70-1ME	2,5	Rd/M24 x 70	190 x 70 x 5	43	32	25	74	20,90
0362E	0362ME	4,0	Rd/M30 x 72	100 x 80 x 6	56	38	25	70	28,95
0364E	0364ME	6,3	Rd/M36 x 80	130 x 100 x 6	69	48	10	118	70,00
0366E	0366ME	8,0	Rd/M42 x 98	130 x 130 x 8	80	54	10	188	113,00
0368E	0368ME	12,5	Rd/M52 x 120	150 x 130 x 8	97	70	10	280	160,00

BGW- flat steel anchors (FSA) M and Rd thread

EC Declaration of Conformity:
https://www.bgw-bohr.de/pdf/CE_Zeichen_Konformitaets/CE-Erklaerung_BGW- Flat steel anchors_all load levels.pdf

Flat steel anchors – stainless steel Sleeve and Plate made of AISI 316 stainless steel

Rd thread Item no.	M thread Item no.	Load level t	Type d x h	Flat steel mm	e mm	D mm	PU piece	Weight kg/100 pcs.	Price €/piece
0350EE	0350MEE	0,5	Rd/M12 x 30	35 x 35 x 3	22	16	100	5,0	5,10
0352EE	0352MEE	0,8	Rd/M14 x 33	35 x 35 x 3	25	18	100	5,8	5,94
0354EE	0354MEE	1,2	Rd/M16 x 35	50 x 35 x 3	27	21	100	8,4	6,96
03545EE	03545MEE	1,2	Rd/M16 x 45	60 x 60 x 5	27	21	100	18,7	
03540EE	03540MEE	1,2	Rd/M16 x 50	80 x 80 x 6	27	21	100	37,2	
0354/55EE	0354/55MEE	1,2	Rd/M16 x 55	80 x 60 x 5	27	21	100	27,0	6,96
03541EE	03541MEE	1,2	Rd/M16 x 60	50 x 50 x 5	50	21	100	17,2	
03542EE	03542MEE	1,2	Rd/M16 x 65	80 x 80 x 6	27	21	100	38,0	
03543EE	03543MEE	1,2	Rd/M16 x 70	100 x 100 x 6	27	21	100	57,3	
0356EE	0356MEE	1,6	Rd/M18 x 44	60 x 45 x 5	34	25	50	16,6	13,26
0358EE	0358MEE	2,0	Rd/M20 x 47	60 x 60 x 5	35	27	50	25,0	14,22
03591EE	03591MEE	2,0	Rd/M20 x 55	100 x 100 x 6	35	27	50	59,3	
03592EE	03592MEE	2,0	Rd/M20 x 55	80 x 80 x 6	35	27	50	31,0	
03570EE	03570MEE	2,0	Rd/M20 x 90	60 x 60 x 5	35	27	50		
03601EE	03601MEE	2,5	Rd/M24 x 54	60 x 60 x 5	43	32	50	29,0	15,48
0360EE	0360MEE	2,5	Rd/M24 x 54	80 x 60 x 5	43	32	50	31,2	15,66
0360-70-1EE	0360-70-1MEE	2,5	Rd/M24 x 70	190 x 70 x 5	43	32	50	74	25,08
0362EE	0362MEE	4,0	Rd/M30 x 72	100 x 80 x 6	56	38	10	70	34,74
0364EE	0364MEE	6,3	Rd/M36 x 80	130 x 100 x 6	69	48	10	118	84,00
0366EE	0366MEE	8,0	Rd/M42 x 98	130 x 130 x 8	80	54	10	188	135,60
0368EE	0368MEE	12,5	Rd/M52 x120	150 x 130 x 8	97	70	10	280	225,00



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Fixing sockets (ÖSM) – Galvanised, V2A, V4A

The BGW- fixing socket is suitable for fastening supports and struts and for absorbing axial forces thanks to its low height and individual reinforcement options. The electro-galvanised (silver) or Stainless steel sleeve has an M thread cut into it, which should be greased before installation in the precast concrete element.

Material test Image documentation: https://www.bgw-bohr.de/pdf/Oesenmuffen_Materialtest.pdf
http://www.bgw-bohr.de/pdf/OESM.pdf
http://www.bgw-bohr.de/pdf/Zugversuche_Huelsenduebel.pdf

BGW- holding magnets type HM4 are recommended for fixing to steel formwork. Plastic sealing plugs or Retaining discs are used to prevent dirt and concrete from entering the sleeve thread.
Material S235 or 1.4301 can be assumed for Static calculations.

BGW fixing socket (sleeve dowel) – Galvanised

Item no.	Load level t	Type d x h	Screw-in depth max.	D mm	PU piece	Weight kg/piece	Price €/piece
0700	0,10	M6 x 35	12	6	500	0,010	0,37
0702	0,20	M8 x 40	17	8	500	0,013	0,37
0703	0,20	M8 x 50	27	8,7	500	0,016	0,38
0702801	0,20	M8 x 80	30	6	500	0,025	0,78
0704	0,35	M10 x 45	15	8,7	500	0,024	0,48
0704458	0,35	M10 x 45	15	8	500	0,024	0,48
0704-Loch10	0,35	M10 x 45	15	10	500	0,019	0,49
0705	0,35	M10 x 50	20	8,7	500	0,019	0,49
0706	0,35	M10 x 60	30	10	500	0,025	0,50
0708	0,50	M12 x 55	25	10	500	0,040	0,51
07081	0,50	M12 x 60	25	10	500	0,040	0,52
0710	0,50	M12 x 65	35	10	400	0,045	0,53
0710-1	0,50	M12 x 80	50	10	250	0,054	0,60
0710-4	0,50	M12 x 100	60	10	250	0,060	0,63
0710-5	0,50	M12 x 120	75	10	250	0,070	0,65
0710-2	0,50	M12 x 200	10	10	50	0,116	0,68
0870	0,50	M16 x 50	20	o.Loch	250	0,050	0,69
0713	1,00	M16 x 70	30	12	250	0,076	0,70
0713-1	1,00	M16 x 75	30	14	200	0,077	0,71
0712	1,00	M16 x 80	40	12	200	0,102	0,71
0714	1,00	M16 x 100	60	12	150	0,120	0,79
0715	1,00	M16 x 120	80	12	150	0,120	0,87
0716	1,25	M20 x 100	45	13	150	0,157	1,07
0718	1,25	M20 x 120	65	13	100	0,215	1,12
0794	1,25	M20 x 150	95	13	50	0,237	1,50
0725	1,25	M20 x 240	190	13	50	0,377	2,11
0720	1,68	M24 x 120	50	17	50	0,261	1,84
0721	1,68	M24 x 150	80	17	40	0,505	2,66
0723	2,20	M30 x 150	70	22	25	0,600	3,32

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Fixing sockets (ÖSM) – Galvanised, V2A, V4A

Material test Image documentation: https://www.bgw-bohr.de/pdf/Oesenmuffen_Materialtest.pdf
http://www.bgw-bohr.de/pdf/OESM.pdf
Tensile tests on sleeve dowels: http://www.bgw-bohr.de/pdf/Zugversuche_Huelsenduebel.pdf

BGW- Fixing socket (sleeve dowel) – Stainless steel V2A, V4A

Item no. V2A	Item no. V4A	Load stage t	Type d x h	Screw-in max.	D mm	PU piece	Weight kg/piece	Price €/piece V2A	Price €/piece V4A
0700E	0700EE	0,10	M6 x 35	12	6	500	0,006	0,99	1,15
0700E-40	0700EE-40	0,10	M6 x 40	17	6	500	0,008	0,99	1,15
0726	0726EE	0,20	M8 x 40	17	6	500	0,014	0,99	1,15
0726E	0703E	0,20	M8 x 50	27	8,5	500	0,017	1,04	1,21
0728	0728EE	0,35	M10 x 45	15	8,5	100	0,018	1,16	1,35
0704458E	0704458EE	0,35	M10 x 45	20	8	100	0,018	1,18	1,38
0707E	0707	0,35	M10 x 60	30	6	100	0,023	1,23	1,44
07082E	07082EE	0,50	M12 x 45	15	10	100	0,025	1,36	1,59
0730	0730EE	0,50	M12 x 55	25	10	100	0,038	1,43	1,68
0731E	0731	0,50	M12 x 60	30	10	100	0,050	1,51	1,77
0732E	0732	0,50	M12 x 70	40	10	100	0,054	1,65	1,94
0710-1E	0710-1EE	0,50	M12 x 80	20	10	100	0,047	2,02	2,38
0796E	0796EE	0,50	M12 x 100	63	12	50	0,055	2,3	2,72
0734E	0734	1,00	M16 x 80	40	12	50	0,090	2,91	3,45
0736	0736EE	1,00	M16 x 100	60	12	50	0,120	3,34	3,97
0737	0737EE	1,00	M16 x 120	80	12	50	0,130	3,65	4,34
0738	0738V4A	1,25	M20 x 100	45	13	50	0,200	4,8	5,72
0740	0740EE	1,68	M24 x 120	50	17	50	0,138	7,87	9,40

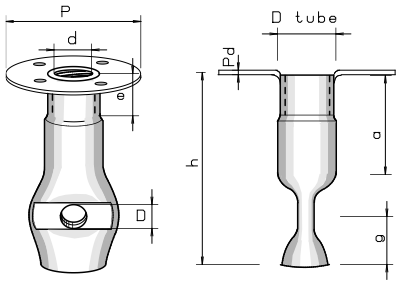
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- eyelet socket (ÖSM) with nail plate – Galvanised, V2A, V4A

Material test image documentation: https://www.bgw-bohr.de/pdf/Oesenmuffen_Materialtest.pdf

BGW- Fixing socket with nail plate – Galvanised

Item no.	Load level t	Type d x h mm	d Sleeve mm	Maximum screw-in depth	D Hole mm	P mm	Pd mm	g mm	PU piece	Weight kg/piece	Price €/ piece
0702NP	0,20	M8 x 40	10,5	17	6,2	34	1-2	8	500	0,010	0,85
0703NP	0,20	M8 x 50	10,5	27	6,2	34	1-2	8	500	0,010	0,90
07692NP	0,35	M10 x 45	13,5	15	6,2	34	1-2	12	500	0,020	0,86
0705NP	0,35	M10 x 50	13,5	20	6,2	34	1-2	12	500	0,020	0,88
0707NP	0,35	M10 x 60	13,5	30	6,2	34	1-2	12	500	0,020	0,90
0708NP	0,50	M12 x 55	17,0	25	10,0	40	1-2	15	500	0,040	1,09
0711	0,50	M12 x 60	17,0	30	10,0	40	1-2	15	500	0,042	1,11
0710NP	0,50	M12 x 65	17,0	35	10,0	40	1-2	15	250	0,050	1,19
0710-1NP	0,50	M12 x 80	17,0	50	10,0	40	1-2	15	250	0,050	1,30
0713NP	1,00	M16 x 70	21,3	30	12,2	44	1-2	22	250	0,080	1,40
0712NP	1,00	M16 x 80	21,3	40	12,2	44	1-2	22	150	0,122	1,45
0714NP-1	1,00	M16 x 100	21,3	60	12,2	44	1-2	22	150	0,140	1,76
0715NP	1,00	M16 x 120	21,3	80	13,0	48	1-2	22	100	0,150	1,98
0739-1	1,25	M20 x 100	26,9	45	13,0	48	1-2	22	100	0,160	2,25
0718NP	1,25	M20 x 120	26,9	65	13,0	48	1-2	22	50	0,210	2,45
0740NP	1,68	M24 x 120	33,7	50	17,0	57	1-2	25	25	0,240	4,06



BGW- Fixing socket with nail plate – Stainless steel V2A, V4A

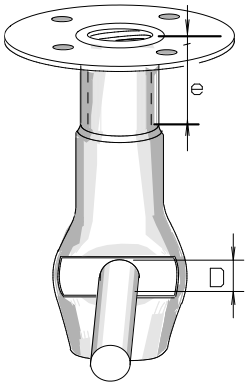
Item no. V2A	Item no. V4A	Load class t	Type d x h mm	d Sleeve mm	Insert Screw depth max.	D Hole mm	P mm	Pd mm	g mm	PU piece	Weight kg/piece	Price €/piece V2A	Price €/piece V4A
0702NPE	0702NPEE	0,20	M8 x 40	10,5	17	6,2	34	1-2	8	500	0,016	3,19	3,79
0707NPE	0707NPEE	0,35	M10 x 60	13,5	30	6,2	34	1-2	12	500	0,018	3,00	3,56
0730NP	0730NPEE	0,50	M12 x 55	17,0	25	10,0	40	1-2	15	250	0,040	3,80	4,52
0711NPE	0711NPEE	0,50	M12 x 60	17,0	30	10,0	40	1-2	15	250	0,045	3,84	4,57
0710NPE	0710NPEE	0,50	M12 x 65	17,0	35	10,0	40	1-2	15	250	0,050	4,16	4,95
0712NPE	0712NPEE	1,00	M16 x 80	21,3	40	12,2	44	1-2	22	150	0,122	6,45	7,70
0714NPE	0714NPEE	1,00	M16 x 100	21,3	60	12,2	44	1-2	22	150	0,140	8,00	9,56
0739	0739EE	1,25	M20 x 100	26,9	45	13,0	48	1-2	22	100	0,160	10,45	12,50
0740NPE	0740NPEE	1,68	M24 x 120	33,7	50	17,0	57	1-2	25	25	0,240	13,71	16,41

BGW- eyelet socket (ÖSM) with nail plate and cross bar – Galvanised, V2A, V4A

Material test Image documentation: https://www.bgw-bohr.de/pdf/Oesenmuffen_Materialtest.pdf

BGW- Fixing socket with nail plate and traverse bar – Galvanised

Item no.	Load level t	Type d x h mm	d Sleeve mm	Screw-in depth max.	D Hole mm	P m m	Pd mm	g mm	PU piece	Weight kg/piece	Price €/piece
0702NPQ	0,20	M8 x 40	10,5	17	6,2	34	1-2	8	500	0,010	1,63
0703NPQ	0,20	M8 x 50	10,5	27	6,2	34	1-2	8	500	0,010	1,65
0704NPQ	0,35	M10 x 45	13,5	15	6,2	34	1-2	12	500	0,030	1,67
0705NPQ	0,35	M10 x 50	13,5	20	6,2	34	1-2	12	500	0,030	1,83
0707NPQ	0,35	M10 x 60	13,5	30	6,2	34	1-2	12	500	0,040	2,16
0770NP	0,50	M12 x 55	17,0	25	10,0	40	1-2	15	200	0,090	1,88
0711Q	0,50	M12 x 60	17,0	30	10,0	40	1-2	15	200	0,100	1,92
0710NPQ	0,50	M12 x 65	17,0	35	10,0	40	1-2	15	250	0,060	1,97
0710-1NPQ	0,50	M12 x 80	17,0	50	10,0	40	1-2	15	250	0,070	2,10
0713NPQ	1,00	M16 x 70	21,3	30	12,2	44	1-2	22	150	0,130	3,00
0758NP	1,00	M16 x 80	21,3	40	12,2	44	1-2	22	150	0,140	3,14
0760NPQ	1,00	M16 x 100	21,3	60	12,2	44	1-2	22	100	0,164	3,61
0715NPQ	1,00	M16 x 120	21,3	80	12,2	44	1-2	22	100	0,190	3,80
0739NPQ	1,25	M20 x 100	26,9	45	13,0	48	1-2	22	100	0,210	4,50
0718NPQ	1,25	M20 x 120	26,9	65	13,0	48	1-2	22	50	0,240	5,00

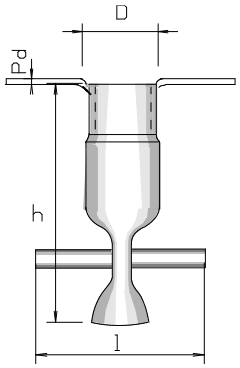


(Crossbar made of ungalvanized concrete ribbed steel as standard – Galvanised bar on request)

BGW- Fixing socket with nail plate and traverse bar – Stainless steel V2A, V4A

Item no. V2A	Item no. V4A	Load class t	Type d x h mm	d Sleeve mm	Screw-in depth max.	D Hole mm	P m m	Pd mm	g mm	PU piece	Weight kg/piece	Price €/piece V2A	Price €/piece V4A
0769NPQ	0769NPQEE	0,35	M10 x 45	13,5	15	6,2	34	1-2	12	500	0,044	6,08	7,26
0752NPQ	0752NPQEE	0,35	M10 x 60	13,5	30	6,2	34	1-2	12	500	0,050	8,04	9,61
0770P	0770PEE	0,50	M12 x 55	17,0	25	10,0	40	1-2	15	200	0,094	8,60	10,28
0771P	0771PEE	0,50	M12 x 80	17,0	50	10,0	40	1-2	15	200	0,096	9,40	11,30
0758NPQ	0758NPQEE	1,00	M16 x 80	21,3	40	12,2	44	1-2	22	150	0,137	14,90	17,84

(Crossbar made of ungalvanized ribbed concrete steel as standard – if Stainless steel is desired, please specify)

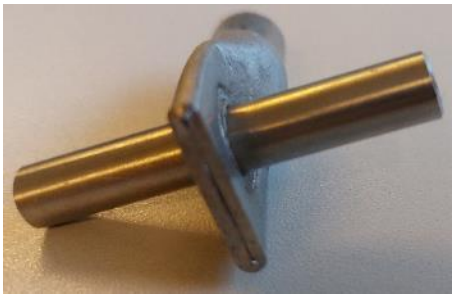


BGW bohr GmbH GERMAN QUALITY SINCE 1986

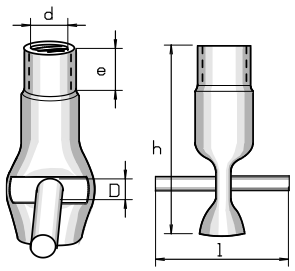
BGW- eyelet socket (ÖSM) with cross bar – Galvanised, V2A, V4A

Item no.	Load level t	Type d x h	In Screw max.	Crossbar D x L mm	PU piece	Weight kg/piece	Price €/piece
0751	0,10	M6 x 35	12	6 x 50	500	0,020	0,86
0781	0,20	M8 x 40	17	6 x 50	500	0,024	0,91
0703Q	0,20	M8 x 50	27	6 x 50	500	0,030	0,95
0750	0,35	M10 x 45	15	6 x 50	500	0,039	0,97
0753	0,35	M10 x 50	20	6 x 50	500	0,041	1,01
0752	0,35	M10 x 60	30	6 x 50	500	0,036	1,04
0754	0,50	M12 x 55	25	10 x 50	250	0,063	1,06
0755	0,50	M12 x 65	35	10 x 50	250	0,080	1,08
0756	0,50	M12 x 70	40	10 x 50	200	0,090	1,09
07561	0,5	M12x70	40	10x50	200	0,050	
0758	1,00	M16 x 80	40	12 x 100	250	0,150	1,40
0760	1,00	M16 x 100	60	12 x 100	100	0,194	1,49
0759	1,00	M16 x 120	80	12 x 100	100	0,200	1,67
0762	1,25	M20 x 100	45	13 x 100	50	0,270	1,89
0764	1,25	M20 x 120	65	13 x 100	50	0,420	1,99
0766	1,68	M24 x 120	50	17 x 100	25	0,660	2,86
0782	2,20	M30 x 150	70	22 x 100	15	1,160	4,70

(Crossbar made of ungalvanized concrete ribbed steel as standard – Galvanised bar on request)







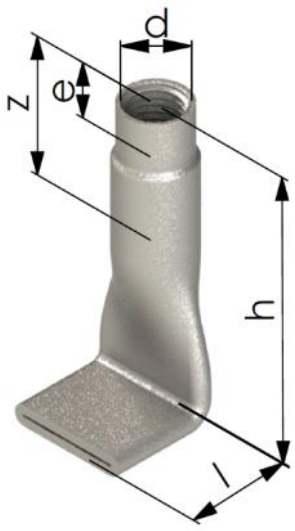
BGW- Fixing socket with traverse bar – Stainless steel V2A, V4A

Item no. V2A	Item no. V4A	Load level t	Type d x h	Single Screw max.	Crossbar D x L mm	PU piece	Weight kg/piece	Price €/piece V2A	Price €/piece V4A
0700EQ	0700EQEE	0,10	M6 x 40	17	6 x 50	500	0,020	3,24	3,85
0726Q	0726QEE	0,20	M8 x 40	17	6 x 50	500	0,030	3,47	4,12
0723Q	0723QEE	0,20	M8 x 50	27	6 x 50	500	0,030	3,65	4,34
0769	0769EE	0,35	M10 x 45	15	6 x 50	500	0,038	3,28	3,90
0770	0770EE	0,50	M12 x 55	25	10 x 50	250	0,060	3,64	4,33
0771EQ	0771	0,50	M12 x 60	30	10 x 50	250	0,071	3,72	4,42
0772	0772EE	0,50	M12 x 70	40	10 x 50	200	0,070	3,76	4,47
0710-3E	0710-3EE	0,50	M12 x 80	40	10 x 50	200	0,078	4,35	5,18
0774	0774EE	1,00	M16 x 80	40	10 x 100	250	0,160	6,20	7,40
0776	0776EE	1,00	M16 x 100	60	10 x 100	100	0,160	6,65	7,94
0777	0777EE	1,00	M16 x 120	80	10 x 100	100	0,180	7,55	9,02
0778	0778EE	1,25	M20 x 100	45	12 x 100	50	0,250	8,65	10,34
0779	0779EE	1,25	M20 x 120	65	12 x 100	50	0,280	9,15	10,94
0780	0780EE	1,68	M24 x 120	50	16 x 100	25	0,410	9,51	11,37

(Crossbar made of non-galvanized ribbed concrete steel as standard – if Stainless steel is desired, please specify)

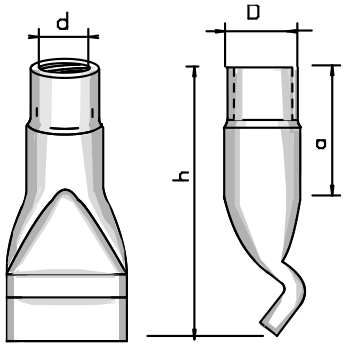
BGW- Angled fixing socket – Galvanised & Stainless steel V2A, V4A

Galvanised	Item no. V2A	Item no. V4A	Load stage t	Type d x h	Thread Length e	Screw-in max. z	l mm	PU piece	Weight kg/piece	Price €/piece V2A	Price €/piece V4A	Price €/piece Galvanised
0800	0800E	0800EE	0,20	M8 x 30	8	15	26	500	0,017	2,59	3,07	
0790	0790E	0790EE	0,20	M8x35	8	15	26	500	0,017			
0801	0801E	0801EE	0,20	M8x50	8	25	26	500	0,020			
0790-40			0,2	M8x40	8	20	26	500	0,018			
0817			0,3	M10x45	10	20	26	500	0,05			
0802	0795	0795EE	0,30	M10 x 35	10	15	26	500	0,028	2,76	3,27	
		0819	0,30	M10x40	10	15	26	500	0,032			
08171			0,3	M10x60	10	30	27	500	0,036			
0804	0804E	0804EE	0,40	M12 x 45	13	25	27	250	0,040	3,04	3,61	
0791	0804E-55		0,4	M12x55	13	30	35	250	0,05			
0804-60			0,4	M12x60	13	35	27	250	0,06			
0804-70	0810	0810EE	0,50	M12 x 70	13	35	27	250	0,070	3,60	4,28	
0806	0806E	0806EE	1,00	M16 x 60	16	30	38	100	0,100	4,35	5,18	
0809	0814	0814EE	1,00	M16 x 80	16	40	38	100	0,110	4,50	5,36	
0807	0816	0816EE	1,00	M16 x 100	16	50	38	100	0,130	5,15	6,14	
0713-2			1,0	M16x70	16	35	38	100	0,09			
0808			1,0	M16x90	16	45	38	100	0,12			
0784			1,0	M16x250	16		38	50	0,29			
0820	0820V2A	0820E	1,4	M20x70	20	35	38	100	0,18			
0822		0821EE	1,4	M20x100	20	50	38	50	0,23			
0818			1,8	M24x80	24	30	44	50	0,325			



BGW- eyelet socket (ÖSM) with shaft end – Galvanised, V2A, V4A

Item no.	Load level t	Type d x h	Screw-in max.	PU piece	Weight kg/piece	Price €/piece
0700W	0,10	M6 x 35	15	500	0,010	0,33
0702 W	0,20	M8 x 40	17	500	0,011	0,37
0703W	0,20	M8 x 50	20	500	0,020	0,38
0703 60 W	0,20	M8 x 60	37	500	0,020	0,39
0703 80 W	0,20	M8 x 80		500	0,030	0,41
0704-1W	0,35	M10 x 40	20	500	0,020	0,45
0705W	0,35	M10 x 50	20	500	0,025	0,49
0706W	0,35	M10 x 60	30	500	0,030	0,51
0709W	0,50	M12 x 50	20	500	0,030	0,52
0710W	0,50	M12 x 65	35	500	0,054	0,53
0710-1W	0,50	M12 x 80	50	400	0,056	0,60
0710-4W	0,50	M12 x 100	60	400	0,059	0,68
0719W	1,00	M16 x 60	25	200	0,070	0,69
0712W	1,00	M16 x 80	40	200	0,100	0,71
0714W	1,00	M16 x 100	60	200	0,126	0,85
0716W	1,25	M20 x 100	45	100	0,159	1,07
0720W	1,68	M24 x 120	50	50	0,261	1,84



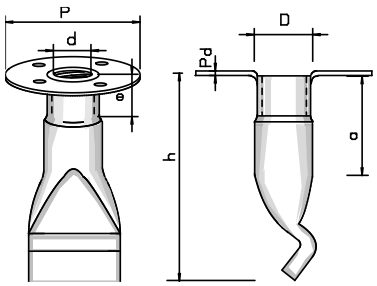
BGW- Fixing socket with wave end – Stainless steel V2A, V4A

Item no. V2A	Item no. V4A	Load level t	Type d x h	Maximum screw-in depth	PU piece	Weight kg/piece	Price €/piece V2A	Price €/piece V4A
0701	0701EE	0,10	M6 x 40	17	500	0,010	0,99	1,15
0703WE	0703WEE	0,20	M8 x 50	20	500	0,020	1,12	1,30
0706WE	0707WEE	0,35	M10 x 60	30	500	0,030	1,23	1,44
0731WE	0731W	0,50	M12 x 60	30	500	0,048	1,51	1,77
	0710-1WEE	0,50	M12 x 80			0,045		
0734WE	0734W	1,00	M16 x 80	40	200	0,100	2,91	3,45
0736W	0736WEE	1,00	M16 x 100	60	200	0,100	3,34	3,97
0738W	0738W-1	1,25	M20 x 100	45	100	0,160	4,80	5,72
0739W	0739WEE	1,68	M24 x 120	50	50	0,260	7,87	9,40

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- eyelet socket (ÖSM) with nail plate and shaft end – Galvanised, V2A, V4A

Item no.	Load level t	Type d x h mm	d Sleeve mm	Screw-in depth max.	P mm	Pd mm	g mm	PU piece	Weight kg/piece	Price €/piece
0706NP	0,35	M10 x 60	13,5	30	34	1-2	12	500	0,032	0,90
0711NP	0,50	M12 x 60	17,0	30	40	1-2	15	250	0,060	1,11
0710NPW	0,50	M12 x 65	17,0	35	40	1-2	15	250	0,070	1,19
0756NPW	0,50	M12 x 70	17,0	35	40	1-2	15	250	0,080	1,23
0714NP	1,00	M16 x 80	21,3	40	44	1-2	22	200	0,120	1,45
0760NPW	1,00	M16 x 100	21,3	60	44	1-2	22	150	0,140	1,76
0716NP	1,25	M20 x 100	26,9	45	48	1-2	22	100	0,172	2,25
0720NP	1,68	M24 x 120	33,7	50	57	1-2	25	50	0,380	4,06



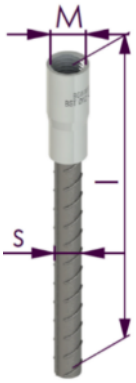
BGW- Fixing socket with nail plate and corrugated end – Stainless steel V2A, V4A

Item no. V2A	Item no. V4A	Load class t	Type d x h mm	d Sleeve mm	Screw screw max.	D Hole mm	P mm	Pd mm	g mm	PU piece	Weight kg/piece	Price €/piece V2A	Price €/piece V4A
0705NPE	0705NPEE	0,20	M8 x 40	10,5	17	6,2	34	1-2	8	500	0,020	3,19	3,79
0706NPE	0706NPEE	0,35	M10 x 60	13,5	30	6,2	34	1-2	12	500	0,034	3,00	3,56
0713NPE	0713NPEE	0,50	M12 x 60	17,0	30	10,0	40	1-2	15	500	0,060	3,84	4,57
0710NPWE	0710NPWEE	0,50	M12 x 65	17,0	35	10,0	40	1-2	15	250	0,070	4,16	4,95
0714NPWE	0714NPWEE	1,00	M16 x 80	21,3	40	12,2	44	1-2	22	200	0,120	6,45	7,70
0760NPWE	0760NPWEE	1,00	M16 x 100	21,3	60	12,2	44	1-2	22	150	0,140	8,00	9,56
0716NPE	0716NPEE	1,25	M20 x 100	26,9	45	13,0	48	1-2	22	100	0,160	10,45	12,50
0720NPE	0720NPEE	1,68	M24 x 120	33,7	50	17,0	57	1-2	25	50	0,220	13,71	16,41

BGW- Reinforcement connection ss - B500 B high-ductility Concrete steel (in accordance with DIN 488)

sleeve bar (mother)

Item no.	Bar Ø s [mm]	Length L [mm]	Thread M	Weight [kg]	Price €/piece
70007	10	1000	M12	0,64	3,22
7000	12	570	M16	0,57	2,44
7002	12	800	M16	0,77	3,00
7004	14	660	M18	0,90	4,92
7006	14	930	M18	1,20	5,72
7008	16	1020	M20	1,74	6,70
7010	16	1440	M20	2,41	7,80
7012	20	1280	M24	3,39	9,07
7014	20	1800	M24	4,67	11,35
7016	25	1600	M30	6,52	15,53
7018	25	2260	M30	9,06	20,14
7020	28	1790	M36	9,26	20,57
7022	28	2530	M36	12,84	27,26
70221	32	1400	M42	9,70	31,63
7023-1600	40	1600	M48	17,70	49,63



Surcharge for special work
(minimum quantity 50 pieces):
Bending bar connectors:
0.75 €/piece
Shortening bar connectors:
0.75 €/piece

The lengths can be modified to suit your specific installation requirements on request

Test report for socket rod:
https://www.bgw-bohr.de/pdf/Bewehrungsanschluss_Prüfbericht.pdf

B500 B high-ductility concrete steel (in accordance with DIN 488)

- Yield strength fyk = min. 500 N/mm²
- Tensile strength = min. 550 N/mm²
- Suitable for reverse bending if the provisions of the DBV information sheet on back bending are observed

Connecting rod (male) Type 1 Sleeve with Threaded pin

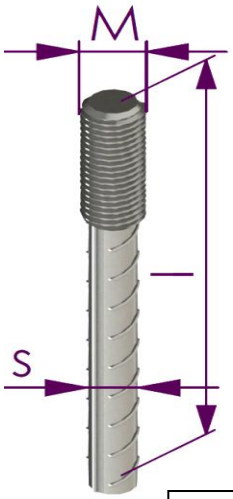
Item no.	Bar Ø s [mm]	Length L [mm]	Thread M	Weight [kg]	Price €/piece
7059-1000	10	1000	M12	0,69	3,58
7024	12	570	M16	0,64	3,41
7026	12	800	M16	0,83	4,03
7028	14	660	M18	0,98	5,93
7030	14	930	M18	1,30	6,65
7032	16	1020	M20	1,90	6,96
7034	16	1440	M20	2,56	8,45
7036	20	1280	M24	3,63	10,97
7038	20	1800	M24	4,92	13,10
7040	25	1600	M30	6,99	17,62
7042	25	2260	M30	9,53	22,99
7044	28	1790	M36	9,46	25,54
7046	28	2530	M36	13,15	30,88
7048	32	1400	M42	11,22	39,77
7049-1600	40	1600	M48	18,21	59,33



Type 1

Connection rod (father) Type 2 forged

Item no.	Bar Ø s [mm]	Length L [mm]	Thread M	Weight [kg]	Price €/piece
700101000	10	1000	M12	0,63	5,30
70012570	12	570	M16	0,53	5,90
70012800	12	800	M16	0,73	6,82
70014660	14	660	M18	0,80	6,22
70014930	14	930	M18	1,16	7,01
700161020	16	1020	M20	1,65	8,21
700161440	16	1440	M20	2,31	9,50
700201280	20	1280	M24	3,26	11,30
700201800	20	1800	M24	4,54	13,80
700251600	25	1600	M30	6,32	17,14
700252260	25	2260	M30	8,86	22,01
700281790	28	1790	M36	8,84	22,63
700282530	28	2530	M36	12,41	29,40
700321400	32	1400	M42	9,09	23,47
700401600	40	1600	M48	16,18	37,44



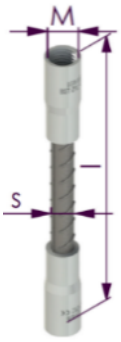
Type 2



BGW- reinforcement connection - B500 B high-ductility concrete steel (in accordance with DIN 488)

double sleeve bar

Item no.	Bar Ø s [mm]	Length L [mm]	Thread M	Weight [kg]	Price €/piece
7068	10	1000	M12	0,64	2,77
7070	12	500	M16	0,58	3,29
7072	14	500	M18	0,75	4,58
7074	16	500	M20	1,04	6,79
7076	20	500	M24	1,69	8,62
7078	25	500	M30	2,63	12,19
7080	28	500	M36	3,64	13,78
7081	32	1150	M42	8,98	33,05
7082	40	1000	M48	13,40	56,50



hermaphrodite connector

Item no.	Bar Ø s [mm]	Length L [mm]	Thread M	Weight [kg]	Price €/piece
7088	10	1000	M12	0,65	2,78
7090	12	1000	M16	1,08	5,35
7092	14	1000	M18	1,45	8,52
7094	16	1000	M20	2,00	9,41
7096	20	1000	M24	3,15	12,32
7098	25	1000	M30	5,03	17,16
7099	28	1000	M36	6,86	23,66
7089	32	1370	M42	11,57	38,93



Test report for socket rod:
https://www.bgw-bohr.de/pdf/Bewehrungsanschluss_Prüfbericht.pdf

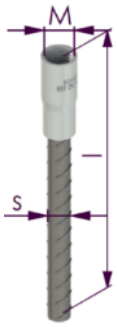
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- reinforcement connection – special lengths n

Highly ductile B500 B concrete steel (in accordance with DIN 488)

Sleeve bar (mother) – special lengths

Item no.	Bar Ø s [mm]	Length L [mm]	Thread M	Weight [kg]
7001-200	10	200	M12	0.176
7059-350	10	350	M12	0.257
70001	10	400	M12	0.270
70008	10	600	M12	
7059	10	640	M12	0.439
7059-650	10	650	M12	
7059-720	10	720	M12	0.488
70004	10	750	M12	
70006	10	800	M12	0.544
70001-900	10	900	M12	0.577
70002	10	1480	M12	0.936
70005	8	1500	M12	0.650
70001-1500	10	1500	M12	0.969
70001-1750	10	1750	M12	
70003	10	930	M14	0.625
70003-4150	10	4150	M14	2.594
70003-4600	10	4600	M14	
70003-4700	10	4700	M14	2,954
7000-160	12	160	M16	0.210
7000-170	12	170	M16	0.221
7050-300	12	300	M16	0.360
7000-370	12	370	M16	0.393
70011	12	375	M16	0.399
70012	12	400	M16	0.421
70014	12	410	M16	0.346
7000-450	12	450	M16	0.600
7000-470	12	470	M16	0.464
70012-490	12	490	M16	0.417
7000-500	12	500	M16	0.417
70013	12	600	M16	0.599
70013-610	12	610	M16	0.515
70013-615	12	615	M16	0.596
7002-650	12	650	M16	0.558
7002-750	12	750	M16	0.719
7002-820	12	820	M16	0.693
7002-840	12	840	M16	0.710
7002-860	12	860	M16	0.780
7003	12	1000	M16	0.944
7003-1020	12	1020	M16	0.956
7003-1060	12	1060	M16	0.915
7003-1100	12	1100	M16	0.950
7002-1170	12	1170	M16	0.998
7003-1180	12	1180	M16	1.021
70030	12	1200	M16	1,065
70030-1225	12	1225	M16	1,133
7003-1500	12	1500	M16	1,314
7003-1700	12	1700	M16	1,492
7003-2000	12	2000	M16	1,758
7000-3000	12	3000	M16	2,732
7000-3500	12	3500	M16	3,176
7000-4000	12	4000	M16	3,525
7000-4150	12	4150	M16	3,753
7000-4500	12	4500	M16	4,064
7000-4700	12	4700	M16	
7000-5000	12	5000	M16	4,413
7000-5700	12	5700	M16	4,887
7000-6000	12	6000	M16	5,393
7000-6100	12	6100	M16	5,482
7006-700	14	700	M18	0.917
7006-750	14	750	M18	0.981
7006-1000	14	1000	M18	1,284
7004-1400	14	1400	M18	1,768
7006-1500	14	1500	M18	1,889
7009-150	16	150	M20	



Sleeve bar (mother) – special lengths

Item no.	Bar Ø s [mm]	Length L [mm]	Thread M	Weight [kg/piece]
7009-200	16	200	M20	0,421
70093-250	16	250	M20	0,520
70093-275	16	275	M20	0,559
70091	16	320	M20	0,615
70081	16	400	M20	0,757
70081-450	16	450	M20	0,828
70081-500	16	500	M20	0,907
70081-520	16	520	M20	
70092	16	550	M20	0,980
70092-5	16	560	M20	1,002
70092-1	16	565	M20	1,010
70093-600	16	600	M20	1,073
70093-640	16	640	M20	1,128
70095	16	660	M20	1,180
7006-670	16	670	M20	0,851
70093-700	16	700	M20	1,223
70093-710	16	710	M20	
70093-720	16	720	M20	1,254
70093-750	16	750	M20	
70093	16	800	M20	1,389
70093-810	16	810	M20	1,460
70093-850	16	850	M20	1,460
70093-900	16	900	M20	
70094	16	1000	M20	1,705
7008-1110	16	1110	M20	1,750
7008-1200	16	1200	M20	2,021
7008-1300	16	1300	M20	
7010-1380	16	1380	M20	2,313
7008-1450	16	1450	M20	2,416
7010-1500	16	1500	M20	2,495
7010-1600	16	1600	M20	3,490
7010-1700	16	1700	M20	
7010-1800	16	1800	M20	2,977
7010-2000	16	2000	M20	3,293
7010-2400	16	2400	M20	
7010-2500	16	2500	M20	4,055
7010-2750	16	2750	M20	4,470
7010-2800	16	2800	M20	4,537
70096	16	2900	M20	4,690
70093-4150	16	4150	M20	6,682
7010-4600	16	4600	M20	
7010-4700	16	4700	M20	7,551
70093-5130	16	5130	M20	8,230
7010-6000	16	6000	M20	3,293
70093-7550	16	7550	M20	12,054
70114	20	400	M24	1,280
7012-450	20	450	M24	1,386
7012-480	20	480	M24	1,488
7014-515	20	515	M24	1,557
7014-550	20	550	M24	1,420
7014-500	20	500	M24	1,300
7012-540	20	540	M24	
7014-600	20	600	M24	1,757
7012-695	20	695	M24	1,992
70111	20	700	M24	2,020
7014-705	20	705	M24	2,016
70111-710	20	710	M24	2,046
7014-715	20	715	M24	2,051
7012-735	20	735	M24	
7014-780	20	780	M24	2,635
7014-800	20	800	M24	2,261
7014-900	20	900	M24	2,457
7014-950	20	950	M24	2,631
70112	20	1000	M24	2,772

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- reinforcement connection – special lengths

Highly ductile B500 B concrete steel (in accordance with DIN 488)

Sleeve bar (mother) – special lengths

Item no.	Bar Ø s [mm]	Length L [mm]	Thread M	Weight [kg/piece]
7012-1200	20	1200	M24	3,249
7012-1380	20	1380	M24	3,711
70115	20	1500	M24	4,007
701155	20	1550	M24	4,007
7014-1850	20	1850	M24	4,854
7014-1960	20	1960	M24	5,116
7014-2000	20	2000	M24	5,000
7014-2020	20	2020	M24	5,274
7014-2100	20	2100	M24	6,690
7014-2200	20	2200	M24	5,719
7014-2600	20	2600	M24	6,707
7014-2620	20	2620	M24	6,756
7014-2700	20	2700	M24	6,954
7015	20	2930	M24	7,400
7015-3000	20	3000	M24	7,702
7015-4100	20	4100	M24	10,346
7014-5100	20	5100	M24	12,882
7014-5500	20	5500	M24	13,870
70175	25	400	M30	1,850
7016-500	25	500	M30	2,238
7016-530	25	530	M30	2,354
7016-555	25	555	M30	2,450
7016-560	25	560	M30	
7016-600	25	600	M30	3,047
7016-650	25	650	M30	2,855
70173	25	660	M30	
7016-900	25	900	M30	3,780
70171	25	1000	M30	4,223
70170	25	1025	M30	4,261
7018-1250	25	1250	M30	5,167
7016-1300	25	1300	M30	5,321
70172	25	1500	M30	6,149
70172-1550	25	1550	M30	
7018-1800	25	1800	M30	14,000
70171-2000	25	2000	M30	
701720	25	2500	M30	9,955
7018-3000	25	3000	M30	11,909
7018-3400	25	3400	M30	13,483
7018-4000	25	4000	M30	15,762
7016-5300	25	5300	M30	20,733
70202	28	300	M36	0,530
70202-400	28	400	M36	2,474
70202-750	28	750	M36	4,189
70203	28	900	M36	9,188
7020-1000	28	1000	M36	5,396
70201	28	1200	M36	6,330
7020-2000	28	2000	M36	10,226
7020-2260	28	2260	M36	11,458
7021	32	400	M42	3,300
7021-700	32	700	M42	
7021-760	32	760	M42	5,593
7021-800	32	800	M42	
7021-850	32	850	M42	6,193
70221-950	32	950	M42	6,792
70221-1000	32	1000	M42	7,108
70221-1020	32	1020	M42	7,266
70221-1150	32	1150	M42	8,055
70221-1200	32	1200	M42	
70221-1300	32	1300	M42	9,033
7021-1475	32	1475	M42	10,138
70221-1500	32	1500	M42	10,296
7021-1600	32	1600	M42	10,927
7021-1700	32	1700	M42	
7021-1780	32	1780	M42	12,064

Sleeve bar (mother) – special lengths

Item no.	Bar Ø s [mm]	Length L [mm]	Thread M	Weight [kg/piece]
7021-1800	32	1800	M42	12,158
70221-2000	32	2000	M42	
7021-2580	32	2580	M42	17,114
7021-3000	32	3000	M42	19,766
7021-3950	32	3950	M42	25,763
7021-4000	32	4000	M42	26,079
7023-1400	40	1400	M48	2,605
7023-1700	40	1700	M48	2,605
7023-2000	40	2000	M48	
7023-3200	40	3200	M48	



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- reinforcement connection - special lengths

Highly ductile B500 B concrete steel (in accordance with DIN 488)

Sleeve bar (mother) curved – special lengths

Item no.	Bar Ø s [mm]	Bend 90° mm	Length L [mm]	Thread M	Weight [kg]
70001-1	10	200/300	500	M12	
7001-1	10	220/280	500	M12	0,327
70003-260	10	60/200	260	M14	0,203
7000-8	12	100/200	300	M16	0,306
7000-2	12	250/65	315	M16	0,346
7000-7	12	130/200	330	M16	
7000-5	12	200/150	350	M16	0,284
7000-4	12	170/230	400	M16	0,355
7000-400	12	135/265	400	M16	0,407
70014-1	12	205/205	410	M16	0,329
70014-2	12	100/310	410	M16	0,329
7000-408	12	140/280	420	M16	0,327
7000-430	12	130/300	430	M16	0,392
70014-3	12	120/300	440	M16	0,409
7000-0	12	240/260	500	M16	0,405
7000-520	12	220/300	520	M16	0,444
7000-1	12	150/420	570	M16	0,572
7000-3	12	60/510	570	M16	0,572
7002-8	12	300/300	600	M16	
7002-9	12	240/360	600	M16	
7002-1	12	140/600	740	M16	0,630
7002-2	12	180/720	900	M16	0,773
7002-4	12	350/250	900	M16	0,506
7002-6	12	650/250	900	M16	0,755
7002-3	12	300/700	1000	M16	0,844
7002-5	12	400/700	1100	M16	
7003-1	12	1750/250	2000	M16	1,732
7002-7	12	2940/250	3190	M16	
70061	14	100/260	360	M18	0,858
7006-2	14	230/270	500	M18	0,650
7006-600	14	200/400	600	M18	0,799
7006-3	14	200/460	660	M18	858,000
7006-1040	14	240/800	1040	M18	1,298
7006-1	14		1100	M18	1,398
7006-5	14	240/1010	1250	M18	1,586
7006-6	14	240/1870	2110	M18	2,627
7008-260	16	60/200	260	M20	0,485
7008-300	16	100/200	300	M20	
7008-360	16	110/260	360	M20	
7008-7	16	230/150	380	M20	0,733
7008-440	16	140/300	440	M20	0,769
7008-16	16	290/160	450	M20	
7008-8	16	160/300	460	M20	0,859
70092-520	16	220/300	520	M20	0,896
70192	16	140/410	550	M20	0,986
70092-3	16	200/364	564	M20	1,008
70092-4	16	120/444	564	M20	1,008
70092-2	16	205/360	565	M20	1,017
7008-11	16	200/400	600	M20	1,073
7008-17	16	300/300	600	M20	1,073
7008-10	16	400/212	612	M20	1,147
7008-9	16	250/450	700	M20	1,239
70092-6	16	200/550	750	M20	1,310
7008-3	16	350/400	750	M20	1,318
7008-15	16	230/550	780	M20	1,307
7008-12	16	230/570	800	M20	1,397
7006-9	16	170/800	970	M20	1,665
7008-2	16	340/650	990	M20	1,697
7008-14	16	190/810	1000	M20	
7008-6	16	240/800	1040	M20	1,776
7008-1	16		1050	M20	1,792
7008-19	16	128/940	1068	M20	1,756
7006-10	16	150/1000	1150	M20	1,950
7006-12	16	205/970	1175	M20	1,989

Sleeve bar (mother) curved – special lengths

Item no.	Bar Ø s [mm]	Bend 90° mm	Length L [mm]	Thread M	Weight [kg]
70092-7	16	200/1000	1200	M20	2,021
7006-11	16	1000/200	1200	M20	2,029
7006-8	16	400/800	1200	M20	2,029
7006-7	16	440/800	1240	M20	
7006-15	16	540/800	1340	M20	2,250
7008-5	16	230/1200	1430	M20	2,392
7006-14	16	725/750	1475	M20	
7008-18	16	300/1250	1550	M20	2,500
7006-13	16	840/800	1640	M20	2,724
7012-2	20	160/80	240	M24	0,836
70113	20		350	M24	1,053
7012-450-1	20	250/200	450	M24	1,305
7012-13	20	190/310	500	M24	
7012-16	20	220/300	520	M24	1,586
7012-550	20	400/150	550	M24	1,562
7012-550-1	20	450/100	550	M24	
7012-17	20	240/360	600	M24	
7012-14	20	300/300	600	M24	
7012-10	20	200/550	750	M24	2,155
7012-11	20	650/160	800	M24	2,303
7012-3	20	200/600	800	M24	2,219
7012-9	20	500/300	800	M24	2,278
7012-1	20	350/500	850	M24	2,342
7012-5	20	200/650	850	M24	2,342
7012-12	20	190/810	1000	M24	2,772
7012-8	20	240/760	1000	M24	2,772
7012-15	20	200/860	1060	M24	2,920
7012-6	20	250/1200	1450	M24	3,824
7012-7	20	400/1100	1500	M24	4,081
7012-4	20	700/1000	1700	M24	4,501
7012-2-2400	20	1600/800	2400	M24	6,171
70171-400	25	300/100	400	M24	1,718
70171-450	25	250/200	450	M30	2,103
70171-500	25	300/200	500	M30	2,238
70171-520	25	220/300	520	M30	
70171-550	25	250/300	550	M30	2,431
70171-575	25	375/200	575	M30	2,527
70171-600	25	200/400	600	M30	2,681
70171-600-1	25	250/350	600	M30	2,681
70171-600-2	25	300/300	600	M30	2,681
70171-602	25	202/400	602	M30	
70171-650	25	300/350	650	M30	5,800
70171-675	25	430/245	675	M30	2,900
70171-2	25	400/400	800	M30	
70171-1	25	350/500	850	M30	3,587
70171-1120	25	384/736	1120	M30	
70171-1250	25	430/820	1250	M30	5,110
70171-1430	25	880/550	1430	M30	5,879
70171-1600	25	350/1250	1600	M30	6,509
70171-1700	25	1150/550	1700	M30	6,920
70171-1800	25	400/1400	1800	M30	
70171-2920	25	820/2100	2920	M30	11,595
7022-1	28	2100/400	2500	M36	12,617
70176-2	32	300/200	500	M42	3,951
70176-550	32	450/100	550	M42	
70176-6	32	300/350	650	M42	4,930
70176-700	32	350/350	700	M42	5,214
70176	32	375/400	775	M42	5,688
70176-800	32	550/250	800	M42	5,877
70176-3	32	550/300	850	M42	6,161
70176-7	32	384/736	1120	M42	
70221-1	32	650/500	1150	M42	8,055
70221-2	32	1020/500	1520	M42	10,391
70176-1	32	200/1500	1700	M42	11,527

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- reinforcement connection - special lengths Concrete steel B500 B high ductility (according to DIN 488)

Connection bar (male) Type 1 Sleeve with Threaded pin – special lengths

Item no.	Bar Ø s [mm]	Length L [mm]	Thread M	Weight [kg]
7059-570	10	570	M12	
7059-800	10	800	M12	0,534
7059-900	10	900	M12	
7059-1170	10	1170	M12	
7059-1500	10	1500	M12	0,957
7024-575	12	575	M16	0,623
7024-700	12	700	M16	0,734
7024-725	12	725	M16	0,756
7024-770	12	770	M16	0,769
7024-845	12	845	M16	0,862
7024-925	12	925	M16	0,933
7027-1000	12	1000	M16	0,875
70270	12	1200	M16	1,201
7024-1500	12	1500	M16	1,436
7024-1800	12	1800	M16	1,702
7024-2000	12	2000	M16	1,880
7028-190	14	190	M18	0,414
7028-200	14	200	M18	0,390
7028-220	14	220	M18	0,451
7028-230	14	230	M18	
7028-250	14	250	M18	0,487
7028-260	14	260	M18	0,488
7028-400	14	400	M18	0,622
7028-500	14	500	M18	0,679
7028-700	14	700	M18	1,161
7028-750	14	750	M18	1,034
7029	14	900	M18	1,241
7028-990	14	990	M18	1,161
70301	14	1000	M18	1,358
7028-1020	14	1020	M18	
70301-3	14	1050	M18	1,423
70301-2	14	1100	M18	1,479
70301-4	14	1200	M18	
70302	14	1300	M18	1,608
70302-1370	14	1370	M18	1,805
70302-1400	14	1400	M18	
70302-1450	14	1450	M18	1,902
70302-1500	14	1500	M18	1,963
70300	14	2000	M18	2,453
703010	16	150	M20	0,290
7031	16	200	M20	0,553
7031-240	16	240	M20	0,656
7031-260	16	260	M20	0,688
70311	16	300	M20	0,711
7052-338	16	338	M20	0,717
7052-400	16	400	M20	1,722
7052-420	16	420	M20	
70512	16	500	M20	1,027
7051	16	520	M20	1,059
7052-550	16	550	M20	1,086
7052-555	16	555	M20	1,094
70511	16	565	M20	1,010
7052-570	16	570	M20	1,118
7052-600	16	600	M20	1,185
7052-640	16	640	M20	0,695
7052-670	16	670	M20	1,438
7052-680	16	680	M20	0,731
7052-700	16	700	M20	1,343
7031-710	16	710	M20	1,399
7052	16	770	M20	1,596
7052-800	16	800	M20	1,481
7052-838	16	838	M20	1,541
7052-850	16	850	M20	1,722
7052-858	16	858	M20	1,573
7052-900	16	900	M20	1,659
7052-920	16	920	M20	0,944
7052-940	16	940	M20	1,703

Item no.	Bar Ø s [mm]	Length L [mm]	Thread M	Weight [kg]
7052-950	16	950	M20	0,970
7052-980	16	980	M20	0,997
70320	16	1000	M20	1,817
7032-1030	16	1030	M20	1,912
7032-1038	16	1038	M20	1,823
7032-1050	16	1050	M20	1,888
7032-1058	16	1058	M20	1,889
7032-1060	16	1060	M20	1,224
7032-1070	16	1070	M20	1,908
7032-1080	16	1080	M20	2,094
7033-1100	16	1100	M20	1,955
7032-1108	16	1108	M20	1,968
7033-1110	16	1110	M20	
7033-1120	16	1120	M20	2,007
7033-1130	16	1130	M20	
7033	16	1150	M20	2,046
7032-1158	16	1158	M20	2,047
7033-1160	16	1160	M20	
7033-1200	16	1200	M20	2,133
7033-1250	16	1250	M20	2,220
7033-1270	16	1270	M20	
7033-1300	16	1300	M20	2,291
7034-1350	16	1350	M20	2,350
7034-1380	16	1380	M20	2,270
7034-1400	16	1400	M20	2,429
7033-1450	16	1450	M20	1,414
7034-1500	16	1500	M20	2,607
7034-1535	16	1535	M20	2,710
7034-1570	16	1570	M20	2,600
7034-1600	16	1600	M20	2,765
7034-1620	16	1620	M20	
7035-1700	16	1700	M20	2,923
70351	16	1800	M20	3,081
70351-1850	16	1850	M20	3,160
7035-1900	16	1900	M20	3,231
7035-1960	16	1960	M20	3,326
7035-1980	16	1980	M20	3,500
7035	16	2000	M20	3,500
7035-2050	16	2050	M20	3,476
7035-2280	16	2280	M20	3,840
7035-2400	16	2400	M20	4,021
7035-2800	16	2800	M20	4,653
7035-3000	16	3000	M20	4,969
7035-3800	16	3800	M20	6,179
7036-200	20	200	M24	0,966
7036-220	20	220	M24	
7037-250	20	250	M24	1,126
7036-300	20	300	M24	1,237
7036-310	20	310	M24	1,237
7037-350	20	350	M24	1,373
7036-400	20	400	M24	1,472
7037-450	20	450	M24	1,583
70020500	20	500	M24	1,300
7036-520	20	520	M24	
70020540	20	540	M24	1,383
7036-600	20	600	M24	
7036-650	20	650	M24	2,077
7036-660	20	660	M24	2,102
7053	20	665	M24	2,114
7036-700	20	700	M24	2,213
7036-735	20	735	M24	2,191
7036-750	20	750	M24	2,349
7036-760	20	760	M24	2,349
7036-770	20	770	M24	2,276
7058	20	800	M24	1,920
7054-1	20	900	M24	2,695
7036-920	20	920	M24	2,646



BGW- reinforcement connection - special lengths Concrete steel B500 B high ductility (according to DIN 488)

Connection bar (male) Type 1 Sleeve with Threaded pin – special lengths

Item no.	Bar Ø s [mm]	Length L [mm]	Thread M	Weight [kg]
7036-950	20	950	M24	2,806
7054	20	965	M24	2,880
70361	20	1000	M24	3,942
7036-1042	20	1042	M24	2,942
70361-3	20	1050	M24	3,065
7036-1070	20	1070	M24	3,115
7036-1080	20	1080	M24	3,139
7036-1100	20	1100	M24	3,189
7036-1130	20	1130	M24	3,263
7036-1140	20	1140	M24	3,288
7036-1150	20	1150	M24	3,359
7036-1160	20	1160	M24	
7036-1	20	1200	M24	3,436
7036-4	20	1230	M24	3,547
7036-3	20	1250	M24	3,559
7036-5	20	1262	M24	3,493
7036-2	20	1270	M24	3,633
7036-1300	20	1300	M24	3,200
7036-1350	20	1350	M24	3,806
70362	20	1380	M24	3,590
7036-1400	20	1400	M24	3,930
7036-1450	20	1450	M24	4,053
7036-1475	20	1475	M24	4,140
7036-1500	20	1500	M24	4,177
7036-1600	20	1600	M24	4,424
7036-1610	20	1610	M24	4,486
7036-1630	20	1630	M24	4,523
7036-1700	20	1700	M24	4,671
7036-1900	20	1900	M24	5,165
7036-1950	20	1950	M24	5,288
7036-1960	20	1960	M24	5,338
7036-2000	20	2000	M24	5,412
7036-2100	20	2100	M24	5,412
7036-2150	20	2150	M24	
7036-2200	20	2200	M24	5,893
7038-1	20	2400	M24	4,942
7038-2	20	2600	M24	6,894
7036-3000	20	3000	M24	7,882
7036-3500	20	3500	M24	9,104
7036-4000	20	4000	M24	10,352
7036-6500	20	6500	M24	16,514
70551-150	25	150	M30	1,286
70551-250	25	250	M30	1,671
70551-300	25	300	M30	1,864
70551-320	25	320	M30	1,941
70551-380	25	380	M30	2,172
70551-400	25	400	M30	2,135
70551-440	25	440	M30	2,403
70551-450	25	450	M30	2,442
70551-500	25	500	M30	2,634
70551-580	25	580	M30	2,829
70551-650	25	650	M30	3,169
70551	25	700	M30	3,477
70551-780	25	780	M30	3,713
70551-800	25	800	M30	3,790
70551-850	25	850	M30	3,869
70551-900	25	900	M30	4,062
7055	25	1000	M30	4,561
7055-1025	25	1025	M30	10,563
7055-1100	25	1100	M30	
7055-1200	25	1200	M30	5,218
7055-1230	25	1230	M30	5,447
7055-1250	25	1250	M30	5,524
7055-1280	25	1280	M30	5,640
7040-1300	25	1300	M30	5,717
7040-1320	25	1320	M30	5,794
7040-1330	25	1330	M30	5,732

Item no.	Bar Ø s [mm]	Length L [mm]	Thread M	Weight [kg]
7040-1350	25	1350	M30	5,207
7040-1380	25	1380	M30	6,025
7040-1450	25	1450	M30	
7056	25	1500	M30	6,487
7056-1530	25	1530	M30	6,584
7056-1540	25	1540	M30	6,622
7056-1555	25	1555	M30	6,699
7040-1560	25	1560	M30	6,699
7040-1650	25	1650	M30	12,971
7056-1700	25	1700	M30	7,258
7056-1730	25	1730	M30	7,373
7056-1750	25	1750	M30	7,450
7040-1800	25	1800	M30	13,549
7040-1830	25	1830	M30	7,739
7040-1900	25	1900	M30	8,028
7040-2000	25	2000	M30	8,394
7042-2177	25	2177	M30	
7042-2440	25	2240	M30	15,244
7040-2500	25	2500	M30	10,340
7040-2605	25	2605	M30	
7042-2940	25	2940	M30	
7042-3000	25	3000	M30	12,267
7042-3080	25	3080	M30	12,556
7042-3250	25	3250	M30	13,207
7042-3380	25	3380	M30	13,712
70422	25	3500	M30	13,870
70421	25	3600	M30	13,870
7040-3950	25	3950	M30	15,908
7040-5000	25	5000	M30	19,953
7040-5540	25	5540	M30	22,030
7040-5590	25	5590	M30	22,223
7040-5750	25	5750	M30	
7040-5960	25	5960	M30	25,113
7040-6030	25	6030	M30	23,918
7040-6340	25	6340	M30	25,113
70445	28	200	M36	1,500
70443	28	300	M36	1,990
70444	28	350	M36	1,990
70443-400	28	400	M36	3,006
7044-1000	28	1000	M36	5,977
70442	28	1500	M36	7,526
7044-1550	28	1550	M36	8,633
70441	28	2000	M36	9,950
70440	28	2200	M36	10,910
70460	28	3000	M36	14,778
7048-290	32	290	M42	2,510
7048-310	32	300	M42	3,830
7048-400	32	400	M42	4,461
7048-1000	32	1000	M42	8,249
7048-1280	32	1280	M42	10,017
7048-1300	32	1300	M42	10,143
7048-1575	32	1575	M42	10,980
7048-1600	32	1600	M42	12,037
7048-1700	32	1700	M42	12,668
7048-1800	32	1800	M42	13,300
7048-1880	32	1880	M42	13,805
7048-1980	32	1980	M42	
7048-2000	32	2000	M42	14,562
7048-2100	32	2100	M42	15,193
7048-2200	32	2200	M42	15,825
7048-2250	32	2250	M42	16,140
7048-2300	32	2300	M42	16,456
7048-2527	32	2527	M42	
7048-2587	32	2587	M42	
7048-2610	32	2610	M42	17,700
7048-3000	32	3000	M42	20,875
7048-3100	32	3100	M42	20,847



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- reinforcement connection - special lengths of B500 B high-ductility Concrete steel (in accordance with DIN 488)

Connection bar (male) Type 1 Sleeve with Threaded pin – Special lengths

Item no.	Bar Ø s [mm]	Length L [mm]	Thread M	Weight [kg]
7048-3200	32	3200	M42	22,138
7048-3900	32	3900	M42	26,557
7048-4120	32	4120	M42	27,946
7048-4150	32	4150	M42	26,611
7048-4320	32	4320	M42	29,208
7048-4420	32	4420	M42	29,840
7048-4530	32	4530	M42	30,534
7048-4800	32	4800	M42	32,239
7048-5070	32	5070	M42	
7048-5750	32	5750	M42	38,236
7048-5770	32	5770	M42	38,362
7048-5800	32	5800	M42	38,552
7048-6060	32	6060	M42	
7048-6090	32	6090	M42	
7049-1300	40	1300	M48	
7049-1500	40	1500	M48	16,487



Connection rod (father) Type 2 forged – special lengths

Item no.	Bar Ø s [mm]	Length L [mm]	Thread M	Weight [kg]
70010500	10	500	M12	0,321
70010750	10	750	M12	0,480
7057-1160	10	1160	M14	3,841
7057-1170	10	1170	M14	3,847
70012380	12	380	M16	0,350
70012600	12	600	M16	0,555
70012700	12	700	M16	
700121000	12	1000	M16	0,910
700121225	12	1225	M16	1,110
70016200	16	200	M20	0,356
70016800	16	800	M20	1,304
700161000	16	1000	M20	1,620
700161500	16	1500	M20	
70020400	20	400	M24	1,037
700201000	20	1000	M24	2,519
700201300	20	1300	M24	
700201450	20	1450	M24	4,053
700201630	20	1630	M24	4,076
700202000	20	2000	M24	4,989
700251000	25	1000	M30	3,949
700251250	25	1250	M30	4,913
700251300	25	1300	M30	
700251500	25	1500	M30	
700252000	25	2000	M30	
700281000	28	1000	M36	
700321000	32	1000	M42	
700321500	32	1500	M42	9,785
700322250	32	2250	M42	14,204
700322300	32	2300	M42	
700401700	40	1700	M48	16,771
700402500	40	2500	M48	24,663

Connection rod (father) curved – special lengths

Item no.	Bar Ø s [mm]	Bend 90° mm	Length L [mm]	Thread M	Weight [kg]
70301-1	14	1100/100	1200	M18	1,600
70301-1260	14	1060/200	1260	M18	1,527
70301-1360	14	1160/200	1360	M18	1,648
7052-460	16	260/200	460	M20	
7052-480	16	280/200	480	M20	0,945
7052-500	16	300/200	500	M20	0,977
7052-520	16	320/200	520	M20	1,008
7052-540	16	340/200	540	M20	1,040
7052-560	16	360/200	560	M20	1,072
7052-780	16		780	M20	
7052-1115	16	985/130	1115	M20	2,046



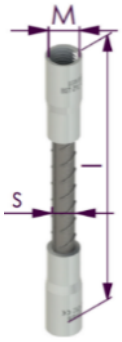
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- reinforcement connection - special lengths

Concrete steel B500 B highly ductile (according to DIN 488)

Double sleeve bar – special lengths

Item no.	Bar Ø s [mm]	Length L [mm]	Thread M	Weight [kg]
7073-1	8	800	M12	0,366
7073	8	2200	M12	0,900
7071-170	12	170	M16	0,287
7070-240	12	240	M16	0,345
7070-280	12	280	M16	0,381
7070-300	12	300	M16	0,334
70700	12	350	M16	0,442
7070-370	12	370	M16	0,461
7070-390	12	390	M16	0,480
7070-395	12	395	M16	0,468
7070-440	12	440	M16	
7070-490	12	490	M16	0,576
7070-700	12	700	M16	0,758
7070-895	12	895	M16	1,180
7072-300	14	300	M18	0,500
7072-390	14	390	M18	0,575
70721	14	400	M18	0,628
7072-480	14	480	M18	0,734
7072-490	14	490	M18	0,732
7074D	16	194	M20	
7074-200	16	200	M20	0,581
7074-280	16	280	M20	0,668
7074-300	16	300	M20	0,739
7074-310	16	310	M20	0,755
7074-360	16	360	M20	0,834
7074-380	16	380	M20	
7074-390	16	390	M20	
7074-400	16	400	M20	0,897
7074-410	16	410	M20	0,913
7074-440	16	440	M20	0,960
7074-460	16	460	M20	0,992
7074-490	16	490	M20	
7074-590	16	590	M20	
7074-600	16	600	M20	1,213
7074-700	16	700	M20	1,371
7076-310	20	310	M24	1,350
7076-350	20	350	M24	1,449
7076-360	20	360	M24	1,474
7076-390	20	390	M24	1,548
7076-400	20	400	M24	1,819
7076-410	20	410	M24	1,597
7076-460	20	460	M24	1,721
7076-480	20	480	M24	1,691
7076-490	20	490	M24	1,745
7076-560	20	560	M24	1,968
7076-580	20	580	M24	
7076-600	20	600	M24	2,066
7076-650	20	650	M24	2,190
7076-700	20	700	M24	2,313
7076-895	20	895	M24	2,760
7076-897	20	897	M24	2,760
7076-1500	20	1500	M24	4,289
7078-380	25	380	M30	
7078-390	25	390	M30	
7078-440	25	440	M30	
7078-450	25	450	M30	1,892
7078-490	25	490	M30	
7078-560	25	560	M30	2,277
7078-600	25	600	M30	2,431
7078-1000	25	1000	M30	4,477
70801	28	400	M36	3,010
7083	32	400	M42	3,860



Double sleeve bar with Rd thread – Special lengths

Item no.	Bar Ø s [mm]	Length L [mm]	Thread Rd	Weight [kg]
7069	10	138	14	0,161
7071-178	12	178	16/18	0,281
7071	12	180	16	0,280
7071-195	12	195	16/18	0,286
7071-238	12	238	16/18	0,331

Item no.	Bar Ø s [mm]	Length L [mm]	Thread M	Weight [kg]
7090-200	12	200	M16	0,273
7096-1500	20	1500	M24	4,432
7098-1787	25	1787	M30	
7098-2750	25	2750	M30	11,608
7098-3000	25	3000	M30	12,571
7098-1	25	3042	M30	
7089-770	32	770	M42	5,840
7089-2170	32	2170	M42	13,560
7089-2852	32	2852	M42	
7089-3052	32	3052	M42	
7089-3170	32	3170	M42	21,240
7089-3470	32	3470	M42	23,130
7089-3557	32	3557	M42	
7089-3570	32	3570	M42	23,830
7089-3820	32	3820	M42	25,720



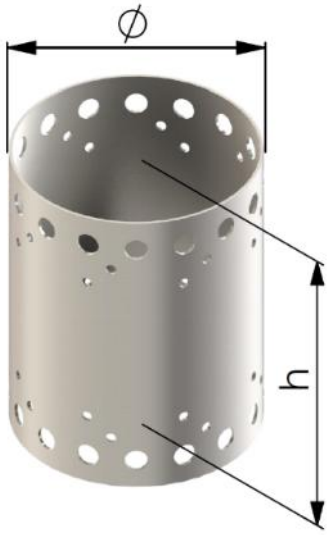
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- collar anchor (MA) for sandwich panels

Approval: https://www.bgw-bohr.de/pdf/Zulassung_Manschettenanker_Flachanker_2019.pdf

Anchors with other dimensions are available on request.
Sheet thickness: 1.5 mm, Material: Stainless steel 1.4571

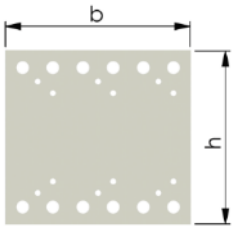
Item no.	Ø mm	h mm	Weight kg/unit	Price €/piece
2001	51	150	0,288	7,49
2003	76	150	0,432	11,23
2078	102	150	0,576	14,98
2005	127	150	0,720	18,72
2009	153	150	0,864	22,46
2083	178	150	1,008	26,21
2013	204	150	1,152	29,95
2015	229	150	1,296	33,70
2017	255	150	1,440	37,44
2019	280	150	1,584	41,18
2000	51	175	0,336	8,74
2002	76	175	0,504	13,10
2004	102	175	0,672	17,47
2006	127	175	0,840	21,84
2008	153	175	1,008	26,21
2010	178	175	1,176	30,58
2012	204	175	1,344	34,94
2014	229	175	1,512	39,31
2016	255	175	1,680	43,68
2018	280	175	1,848	48,05
2020	51	200	0,384	9,98
2022	76	200	0,576	14,98
2024	102	200	0,768	19,97
2026	127	200	0,960	24,96
2028	153	200	1,152	29,95
2030	178	200	1,344	34,94
2032	204	200	1,536	39,94
2034	229	200	1,728	44,93
2036	255	200	1,920	49,92
2038	280	200	2,112	54,91
2040	51	225	0,432	11,23
2042	76	225	0,648	16,85
2044	102	225	0,864	22,46
2046	127	225	1,080	28,08
2048	153	225	1,296	33,70
2050	178	225	1,512	39,31
2052	204	225	1,728	44,93
2054	229	225	1,944	50,54
2056	255	225	2,160	56,16
2058	280	225	2,376	61,78
2065	51	250	0,472	12,27
2067	76	250	0,708	18,41
2063	102	250	0,944	24,54
2069	127	250	1,180	30,68
2071	153	250	1,416	36,82
2073	178	250	1,652	42,95
2075	204	250	1,888	49,09
2077	229	250	2,124	55,22
2007	255	250	2,360	61,36
2011	280	250	2,596	67,50
2064	51	260	0,500	13,00
2066	76	260	0,750	19,50
2060	102	260	1,000	26,00
2068	127	260	1,250	32,50
2070	153	260	1,500	39,00
2061	178	260	1,750	45,50
2062	204	260	2,000	52,00
2072	229	260	2,250	58,50
2074	255	260	2,500	65,00
2076	280	260	2,750	71,50



Item no.	Ø mm	h mm	Weight kg/unit	Price €/piece
2021	102	280	1,075	27,95
2023	127	280	1,340	34,84
2025	153	280	1,614	41,96
2027	178	280	1,880	48,88
2029	204	280	2,152	55,95
2031	229	280	2,416	62,82
2033	255	280	2,690	69,94
2035	280	280	2,954	76,80
2064-300	51	300	0,566	14,72
2079	76	300	0,853	22,18
2086	102	300	1,131	29,41
2081	127	300	1,409	36,63
2087	153	300	1,416	36,82
2088	178	300	1,848	48,05
2037	204	300	2,306	59,96
2085	229	300	2,380	61,88
2059	255	300	2,890	75,14
2039	280	300	3,165	82,29
2051	204	320	2,412	62,71
2053	229	320	2,710	70,46
2074-3	255	320	3,017	78,44
2055	280	320	3,313	86,14
2041	153	330	1,902	49,45
2043	178	330	2,213	57,54
2045	204	330	2,536	65,94
2047	229	330	2,847	74,02
2074-1	255	330	3,108	80,81
2049	280	330	3,482	90,53
2057	204	340	2,564	66,66
20571	229	340	2,879	74,85
20071	255	340	3,210	83,46
20351	280	340	3,520	91,52
20291	204	360	2,715	70,59
20311	229	360	3,048	79,25
20331	255	360	3,394	88,24
20391	280	360	3,727	96,90

bohr GmbH GERMAN QUALITY SINCE 1986

BGW- flat anchor (FLA)



For sewing sandwich panels

Approval:https://www.bgw-bohr.de/pdf/Zulassung_Manschettenanker_Flachanker_2019.pdf

Other dimensions are available on request. Material: Stainless steel 1.4571

Sheet thickness: 1.5 mm

Item no. 1.5 mm	Width mm	Height mm	Weight /kg 1.5 mm	€/piece 1.5 mm
2105	40	150	0,071	1,85
2158	80	150	0,141	3,67
2160	120	150	0,212	5,51
2164	160	150	0,283	7,36
2107	200	150	0,353	9,18
21070	240	150	0,424	11,02
2163	280	150	0,495	12,87
2109	320	150	0,565	14,69
2111	360	150	0,636	16,54
2113	400	150	0,707	18,38
2103	40	175	0,083	2,16
2100	80	175	0,165	4,29
2102	120	175	0,247	6,42
2104	160	175	0,330	8,58
2106	200	175	0,412	10,71
2108	240	175	0,495	12,87
2110	280	175	0,577	15,00
2112	320	175	0,660	17,16
2114	360	175	0,742	19,29
2116	400	175	0,825	21,45
2101	40	200	0,094	2,44
2118	80	200	0,189	4,91
2120	120	200	0,283	7,36
2122	160	200	0,377	9,80
2124	200	200	0,471	12,25
2126	240	200	0,566	14,72
2128	280	200	0,660	17,16
2130	320	200	0,754	19,60
2132	360	200	0,850	22,10
2134	400	200	0,942	24,49
2135	40	225	0,106	2,76
2136	80	225	0,212	5,51
2138	120	225	0,318	8,27
2140	160	225	0,424	11,02
2142	200	225	0,530	13,78
2144	240	225	0,636	16,54
2146	280	225	0,742	19,29
2148	320	225	0,848	22,05
2150	360	225	0,954	24,80
2152	400	225	1,060	27,56
2193	40	250	0,118	3,07
2188 1	80	250	0,236	6,14
2195 1	120	250	0,353	9,18
2190 1	160	250	0,471	12,25
2192	200	250	0,590	15,34
2197	240	250	0,707	18,38
2194	280	250	0,825	21,45
2198 1	320	250	0,943	24,52
2199 1	360	250	1,060	27,56
2200	400	250	1,178	30,63
2180	40	260	0,123	3,20
2181	80	260	0,245	6,37
2182	120	260	0,268	6,97
2174	160	260	0,490	12,74
2184	200	260	0,613	15,94
2185	240	260	0,735	19,11
2186	280	260	0,858	22,31
2187	320	260	0,980	25,48
2188	360	260	0,980	25,48
2189	400	260	1,225	31,85
2190	40	280	0,132	3,43
2175	80	280	0,264	6,86
2179	120	280	0,396	10,30
2176	160	280	0,528	13,73
2177	200	280	0,660	17,16
2178	240	280	0,792	20,59
2121	280	280	0,924	24,02
2123	320	280	1,056	27,46
2125	360	280	1,188	30,89
2127	400	280	1,319	34,29



Sheet thickness: 2.0 mm

Item no. 2.0 mm	Width mm	Height mm	Weight/kg 2.0	€/piece 2.0 mm
2105 2	40	150	0,094	2,44
2158 2	80	150	0,188	4,89
2160 2	120	150	0,283	7,36
2164 2	160	150	0,377	9,80
2159 2	200	150	0,471	12,25
21070 2	240	150	0,564	14,66
2163 2	280	150	0,672	17,47
2109 2	320	150	0,754	19,60
2111 2	360	150	0,846	22,00
2113 2	400	150	0,960	24,96
2103 2	40	175	0,110	2,86
2100 2	80	175	0,220	5,72
2102 2	120	175	0,330	8,58
2104 2	160	175	0,440	11,44
2106 2	200	175	0,550	14,30
2108 2	240	175	0,660	17,16
2110 2	280	175	0,770	20,02
2112 2	320	175	0,880	22,88
2114 2	360	175	0,990	25,74
2116 2	400	175	1,100	28,60
2101 2	40	200	0,130	3,38
2118 2	80	200	0,251	6,53
2120 2	120	200	0,377	9,80
2122 2	160	200	0,503	13,08
2124 2	200	200	0,628	16,33
2126 2	240	200	0,754	19,60
2128 2	280	200	0,880	22,88
2130 2	320	200	1,005	26,13
2132 2	360	200	1,131	29,41
2134 2	400	200	1,257	32,68
2135 2	40	225	0,141	3,67
2136 2	80	225	0,283	7,36
2138 2	120	225	0,424	11,02
2140 2	160	225	0,565	14,69
2142 2	200	225	0,707	18,38
2144 2	240	225	0,848	22,05
2146 2	280	225	0,990	25,74
2148 2	320	225	1,131	29,41
2150 2	360	225	1,272	33,07
2152 2	400	225	1,414	36,76
2193 2	40	250	0,157	4,08
2188 2	80	250	0,314	8,16
2195 2	120	250	0,330	8,58
2190 2	160	250	0,628	16,33
2192 2	200	250	0,785	20,41
2197 2	240	250	0,942	24,49
2194 2	280	250	1,100	28,60
2198 2	320	250	1,005	26,13
2199 2	360	250	1,413	36,74
2200 2	400	250	1,571	40,85
2180 2	40	260	0,163	4,24
2181 2	80	260	0,327	8,50
2182 2	120	260	0,490	12,74
2183 2	160	260	0,653	16,98
2184 2	200	260	0,817	21,24
2185 2	240	260	0,980	25,48
2186 2	280	260	1,144	29,74
2187 2	320	260	1,307	33,98
2195	360	260	1,470	38,22
2189 2	400	260	1,634	42,48
2191 2	40	280	0,176	4,58
2175 2	80	280	0,352	9,15
2179 2	120	280	0,528	13,73
2176 2	160	280	0,704	18,30
2177 2	200	280	0,880	22,88
2178 2	240	280	1,056	27,46
2121 2	280	280	1,231	32,01
2123 2	320	280	1,407	36,58
2125 2	360	280	1,583	41,16
2127 2	400	280	1,759	45,73

Further dimensions on the next page

Free dimensioning software for sandwich anchors at: www.bgw-bohr.de/Setup.msi

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- flat anchor (FLA) for sewing sandwich panels

Approval:https://www.bgw-bohr.de/pdf/Zulassung_Manschettenanker_Flachanker_2019.pdf

Other dimensions are available on request.

Material: Stainless steel 1.4571

Sheet thickness: 2.0 mm

Item no. 2.0 mm	Width mm	Height mm	Weight/kg 2.0	€/piece 2.0 mm
2129 2	40	300	0,188	4,89
2000 2	80	300	0,377	9,80
2001 2	120	300	0,565	14,69
2002 2	160	300	0,768	19,97
2003 2	200	300	0,960	24,96
2009 2	240	300	1,152	29,95
2004 2	280	300	1,344	34,94
2005 2	320	300	1,536	39,94
2006 2	360	300	1,728	44,93
2010 2	400	300	1,920	49,92
2033 2	40	320	0,201	5,23
2034 2	80	320	0,402	10,45
2035 2	120	320	0,603	15,68
2021 2	160	320	0,804	20,90
2036 2	200	320	1,005	26,13
2026 2	240	320	1,206	31,36
2027 2	280	320	1,407	36,58
2023 2	320	320	1,608	41,81
2025 2	360	320	1,809	47,03
2037 2	400	320	2,010	52,26
2350 2	40	350	0,220	5,72
2351 2	80	350	0,440	11,44
2013 4	120	350	0,659	17,13
2352 2	160	350	0,879	22,85
2353 2	200	350	1,099	28,57
2354 2	240	350	1,319	34,29
2355 2	280	350	1,539	40,01
2356 2	320	350	1,758	45,71
2357 2	360	350	1,978	51,43
2358 2	400	350	2,198	57,15

Sheet thickness: 3.0 mm

Item no. 3.0 mm	Width mm	Height mm	Weight/kg 3.0 mm	€/piece 3.0 mm
2193 3	40	250	0,236	6,14
2105 3	80	250	0,471	12,25
2195 3	120	250	0,707	18,38
2190 3	160	250	0,942	24,49
2192 3	200	250	1,178	30,63
2158 3	240	250	1,414	36,76
2194 3	280	250	1,649	42,87
2198 3	320	250	1,889	49,11
2199 3	360	250	2,121	55,15
2200 3	400	250	2,356	61,26
2180 3	40	260	0,245	6,37
2181 3	80	260	0,490	12,74
2182 3	120	260	0,735	19,11
2183 3	160	260	0,980	25,48
2184 3	200	260	1,225	31,85
2185 3	240	260	1,470	38,22
2186 3	280	260	1,715	44,59
2187 3	320	260	1,960	50,96
2188 3	360	260	2,205	57,33
2189 3	400	260	2,450	63,70
2191 3	40	280	0,264	6,86
2175 3	80	280	0,528	13,73
2197 3	120	280	0,792	20,59
2176 3	160	280	1,056	27,46
2177 3	200	280	1,319	34,29
2178 3	240	280	1,583	41,16
2121 3	280	280	1,847	48,02
2123 3	320	280	2,111	54,89
2125 3	360	280	2,375	61,75
2127 3	400	280	2,639	68,61
2129 3	40	300	0,283	7,36
2000 3	80	300	0,565	14,69
2001 3	120	300	0,848	22,05
2002 3	160	300	1,131	29,41
2003 3	200	300	1,414	36,76
2004 3	240	300	1,696	44,10
2196 3	280	300	1,979	51,45
2006 3	320	300	2,262	58,81
2007 3	360	300	2,545	66,17
2008 3	400	300	2,827	73,50
2033 3	40	320	0,301	7,83
2034 3	80	320	0,603	15,68
2035 3	120	320	0,904	23,50
2021 3	160	320	1,206	31,36
2036 3	200	320	1,505	39,13
2026 3	240	320	1,809	47,03
2027 3	280	320	2,110	54,86
2023 3	320	320	2,411	62,69
2025 3	360	320	2,713	70,54
2037 3	400	320	3,014	78,36
2350 3	40	350	0,330	8,58
2351 3	80	350	0,659	17,13
2013 5	120	350	0,989	25,71
2352 3	160	350	1,319	34,29
2353 3	200	350	1,649	42,87
2354 3	240	350	1,978	51,43
2355 3	280	350	2,308	60,01
2356 3	320	350	2,638	68,59
2357 3	360	350	2,967	77,14
2358 3	400	350	3,297	85,72





Free design software for sandwich anchors at: www.bgw-bohr.de/Setup.msi

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- sandwich panel support anchor (SPA)

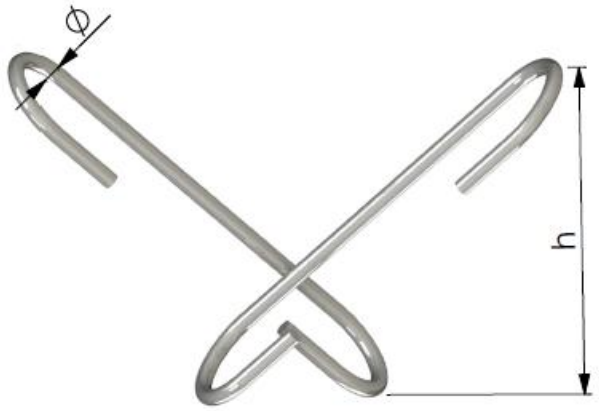
For sewing sandwich panel anchors

BGW- Sandwich panel support anchors made of approved rust- and acid-resistant stainless steel DIBT Z-30.3-6

Approval for BGW- Sandwich panel anchor SPA-1: https://www.bgw-bohr.de/pdf/Zulassung-Sandwichplattenanker.pdf

SPA-1 Material: Stainless steel 1.4401

Item no.	Wire Ø mm	h mm	Weight kg/piece	Price €/piece
SPA-1-5-160-A4	5	160	0,110	2,86
SPA-1-5-180-A4	5	180	0,120	3,12
SPA-1-5-200-A4	5	200	0,130	3,38
SPA-1-6-160-A4	6	160	0,160	4,16
SPA-1-6-180-A4	6	180	0,170	4,42
SPA-1-6-200-A4	6	200	0,180	4,68
SPA-1-6-220-A4	6	220	0,200	5,20
SPA-1-6-240 A4	6	240	0,210	5,46
SPA-1-6-260-A4	6	260	0,220	5,72
SPA-1-7-160-A4	7	160	0,210	5,46
SPA-1-7-180-A4	7	180	0,230	5,98
SPA-1-7-200-A4	7	200	0,250	6,50
SPA-1-7-220-A4	7	220	0,270	7,02
SPA-1-7-240-A4	7	240	0,280	7,28
SPA-1-7-260-A4	7	260	0,300	7,80
SPA-1-7-280-A4	7	280	0,320	8,32
SPA-1-7-300-A4	7	300	0,340	8,84
SPA-1-7-320-A4	7	320	0,360	9,36
SPA-1-7-340-A4	7	340	0,380	9,88
SPA-1-7-360-A4	7	360	0,400	10,40
SPA-1-7-380-A4	7	380	0,420	10,92
SPA-1-7-400-A4	7	400	0,440	11,44
SPA-1-7-420-A4	7	420	0,460	11,96
SPA-1-7-440-A4	7	440	0,480	12,48
SPA-1-8-200A4	8	200	0,320	8,32
SPA-1-8-220-A4	8	220	0,350	9,10
SPA-1-8-240-A4	8	240	0,370	9,62
SPA-1-8-260-A4	8	260	0,390	10,14
SPA-1-8-280-A4	8	280	0,410	10,66
SPA-1-8-300-A4	8	300	0,440	11,44
SPA-1-8-320-A4	8	320	0,460	11,96
SPA-1-9-200-A4	9	200	0,480	12,48
SPA-1-9-240-A4	9	240	0,500	13,00
SPA-1-9-260-A4	9	260	0,520	13,52
SPA-1-9-280-A4	9	280	0,540	14,04
SPA-1-9-300-A4	9	300	0,550	14,30
SPA-1-9-320-A4	9	320	0,580	15,08
SPA-1-9-340-A4	9	340	0,650	16,90
SPA-1-9-360-A4	9	360	0,680	17,68
SPA-1-9-380-A4	9	380	0,700	18,20
SPA-1-9-400-A4	9	400	0,730	18,98
SPA-1-9-420-A4	9	420	0,750	19,50
SPA-1-9-440-A4	9	440	0,770	20,02
SPA-1-10-260-A4	10	260	0,658	17,11
SPA-1-10-280-A4	10	280	0,693	18,02
SPA-1-10-300-A4	10	300	0,727	18,90
SPA-1-10-320-A4	10	320	0,762	19,81
SPA-1-10-340-A4	10	340	0,796	20,70
SPA-1-10-360-E	10	360	0,830	21,58
SPA-1-10-380-A4	10	380	0,865	22,49
SPA-1-10-400-A4	10	400	0,900	23,40
SPA-1-10-420-A4	10	420	0,935	24,31



You can find our design software for sandwich anchors on our website: www.bgw-bohr.de/Setup.msi

BGW- sandwich panel support anchor (SPA)

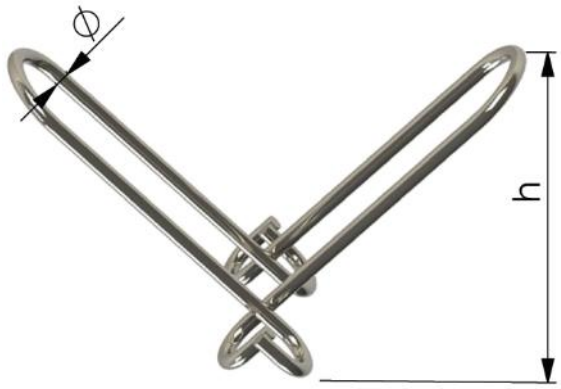
For sewing sandwich panel anchors

BGW- Sandwich panel support anchors made of approved rust- and acid-resistant stainless steel DIBT Z-30.3-6

Approval for BGW- Sandwich panel anchors SPA-2:
https://www.bgw-bohr.de/pdf/Zulassung-Sandwichplattenanker.pdf

SPA-2 Material: Stainless steel 1.4401

Item no.	Wire Ø mm	h mm	Weight kg/piece	Price €/piece
SPA-2-5-160-A4	5	160	0,190	4,94
SPA-2-5-180-A4	5	180	0,210	5,46
SPA-2-5-200-A4	5	200	0,230	5,98
SPA-2-6-160-A4	6	160	0,270	7,02
SPA-2-6-180-A4	6	180	0,300	7,80
SPA-2-6-200-A4	6	200	0,320	8,32
SPA-2-6-220-A4	6	220	0,350	9,10
SPA-2-6-240-A4	6	240	0,370	9,62
SPA-2-6-260-A4	6	260	0,400	10,40
SPA-2-7-160-A4	7	160	0,370	9,62
SPA-2-7-180-A4	7	180	0,410	10,66
SPA-2-7-200-A4	7	200	0,440	11,44
SPA-2-7-220-A4	7	220	0,480	12,48
SPA-2-7-240-A4	7	240	0,510	13,26
SPA-2-7-260-A4	7	260	0,550	14,30
SPA-2-7-280-A4	7	280	0,590	15,34
SPA-2-7-300-A4	7	300	0,630	16,38
SPA-2-7-320-A4	7	320	0,670	17,42
SPA-2-7-340-A4	7	340	0,710	18,46
SPA-2-7-360-A4	7	360	0,750	19,50
SPA-2-7-380-A4	7	380	0,790	20,54
SPA-2-7-400-A4	7	400	0,830	21,58
SPA-2-7-420-A4	7	420	0,870	22,62
SPA-2-7-440-A4	7	440	0,910	23,66
SPA-2-8-200-A4	8	200	0,580	15,08
SPA-2-8-220-A4	8	220	0,620	16,12
SPA-2-8-240-A4	8	240	0,670	17,42
SPA-2-8-260-A4	8	260	0,710	18,46
SPA-2-8-280-A4	8	280	0,750	19,50
SPA-2-8-300-A4	8	300	0,800	20,80
SPA-2-8-320-A4	8	320	0,840	21,84
SPA-2-9-240-A4	9	240	0,841	21,86
SPA-2-9-260-A4	9	260	0,910	23,66
SPA-2-9-280-A4	9	280	0,950	24,70
SPA-2-9-300-A4	9	300	1,010	26,26
SPA-2-9-320-A4	9	320	1,070	27,82
SPA-2-9-340-A4	9	340	1,190	30,94
SPA-2-9-360-A4	9	360	1,250	32,50
SPA-2-9-380-A4	9	380	1,300	33,80
SPA-2-9-400-A4	9	400	1,360	35,36
SPA-2-10-260-A4	10	260	1,185	30,81
SPA-2-10-280-A4	10	280	1,254	32,60
SPA-2-10-300-A4	10	300	1,329	34,55
SPA-2-10-320-A4	10	320	1,392	36,19
SPA-2-10-340-E	10	340	1,462	38,01
SPA-2-10-360-E	10	360	1,530	39,78
SPA-2-10-380-A4	10	380	1,600	41,60
SPA-2-10-400-A4	10	400	1,668	43,37
SPA-2-10-420-A4	10	420	1,738	45,19





You can find our design software for sandwich anchors on our website: www.bgw-bohr.de/Setup.msi

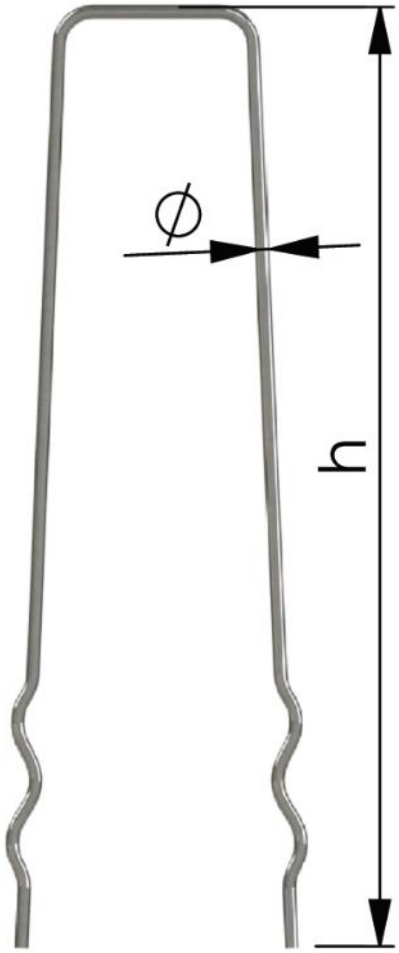
BGW- composite pins (VN)

For sewing sandwich panels made of approved rust- and acid-resistant stainless steel DIBT Z-30.3-6

Approval for BGW- Sandwich panel anchors SPA-N: https://www.bgw-bohr.de/pdf/Zulassung-Sandwichplattenanker.pdf

Composite needle –VN or SPA-N Material: Stainless steel 1.4401

Item no.	h mm	Wire Ø mm	Weight /kg	PU	Price €/piece
2340-160	160	2,5		1.000	Preise
2340	300	2,5		1.000	auf
2342	360	2,5		1.000	Anfrage
2300	120	3,0	0,015	1.000	0,39
2302	140	3,0	0,017	1.000	0,44
2304	160	3,0	0,019	1.000	0,49
2306	180	3,0	0,022	1.000	0,57
2308	200	3,0	0,023	1.000	0,60
2310	220	3,0	0,026	1.000	0,68
2312	240	3,0	0,028	1.000	0,73
2314	160	4,0	0,035	500	0,91
2315	180	4,0	0,039	500	1,01
2316	200	4,0	0,043	500	1,12
2321	220	4,0	0,047	500	1,22
2318	230	4,0	0,049	500	1,27
2319	240	4,0	0,051	500	1,33
2320	250	4,0	0,053	250	1,38
2320-260	260	4,0	0,055	250	1,43
2320-270	270	4,0	0,057	250	1,48
2322	280	4,0	0,059	250	1,53
2322-300	300	4,0	0,063	250	1,64
2322-320	320	4,0	0,067	250	1,74
2322-340	340	4,0	0,072	250	1,87
2322-350	350	4,0	0,074	250	1,92
2322-360	360	4,0	0,076	250	1,98
2322-380	380	4,0	0,080	250	2,08
2322-400	400	4,0	0,084	250	2,18
2323	200	5,0	0,067	250	1,74
2331	220	5,0	0,073	250	1,90
2325	230	5,0	0,076	250	1,98
2325-240	240	5,0	0,079	250	2,05
2326	250	5,0	0,082	250	2,13
23261	260	5,0	0,085	250	2,21
2327	280	5,0	0,091	250	2,37
2328	300	5,0	0,098	250	2,55
2329	320	5,0	0,104	250	2,70
2322-330	330	5,0	0,108	250	2,81
23291	340	5,0	0,111	250	2,89
2322-360 5	360	5,0	0,119	250	3,09
23271	380	5,0	0,123	250	3,20
2322-400 5	400	5,0	0,131	250	3,41
2323 6	200	6,0	0,103	250	2,68
2331 6	220	6,0	0,112	250	2,91
2325-240 6	240	6,0	0,120	250	3,12
23261 6	260	6,0	0,127	100	3,30
2327 6	280	6,0	0,136	100	3,54
2328 6	300	6,0	0,145	100	3,77
2329 6	320	6,0	0,154	100	4,00
2336	340	6,0	0,162	100	4,21
2332	355	6,0	0,185	100	4,81
2333	360	6,0	0,196	100	5,10
2334	380	6,0	0,207	100	5,38
2330	400	6,0	0,218	100	5,67
2335	420	6,0	0,229	100	5,95



The design software for sandwich anchors is available at: www.bgw-bohr.de/Setup.msi

BGW bohr GmbH GERMAN QUALITY SINCE 1986

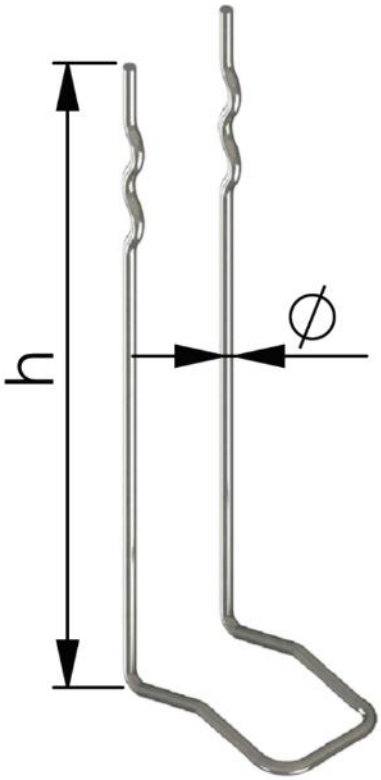
BGW- Pin (AN)

For sewing sandwich panels made of approved rust- and acid-resistant stainless steel DIBT Z-30.3-6
Other dimensions are available on request
Clip-on pins are for clipping on. Clip-on pins for sewing on request.

Approval for BGW- SPA-A sandwich panel anchors: https://www.bgw-bohr.de/pdf/Zulassung-Sandwichplattenanker.pdf

Pins – AN or SPA-A Material: Stainless steel 1.4401

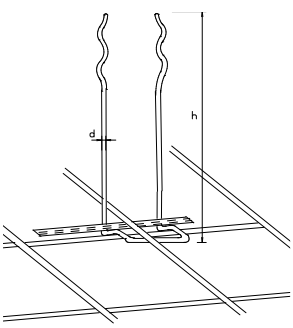
Item no.	h mm	Wire Ø mm	Weight/kg	PU	Price €/piece
2380	120	3,0	0,023	1.000	0,60
2382	140	3,0	0,025	1.000	0,65
2384	160	3,0	0,028	1.000	0,73
2386	180	3,0	0,030	1.000	0,78
2405	200	3,0	0,032	1000	0,83
2406	220	3,0	0,034	1000	0,88
2407	240	3,0	0,036	1000	0,94
2388-120	120	4,0	0,042	500	1,09
2387	140	4,0	0,046	500	1,20
2388-150	150	4,0	0,048	500	1,25
2388	160	4,0	0,050	500	1,30
2388-180	180	4,0	0,053	500	1,38
2390	200	4,0	0,057	500	1,48
2391	220	4,0	0,061	500	1,59
2393	230	4,0	0,063	500	1,64
2391-240	240	4,0	0,065	500	1,69
2392	250	4,0	0,067	500	1,74
2392-260	260	4,0	0,069	500	1,79
2394	280	4,0	0,073	250	1,90
2396	200	5,0	0,089	250	2,31
2396-220	220	5,0	0,095	250	2,47
2396-240	240	5,0	0,102	250	2,65
2398	250	5,0	0,105	250	2,73
2398-260	260	5,0	0,108	250	2,81
2399	280	5,0	0,114	250	2,96
2399-300	300	5,0	0,120	250	3,12
2381	320	5,0	0,126	200	3,28
2381-340	340	5,0	0,132	200	3,43
2381-360	360	5,0	0,139	200	3,61
2381-380	380	5,0	0,145	200	3,77
2381-400	400	5,0	0,151	200	3,93
2381-420	420	5,0	0,157	200	4,08
2408	260	6,0	0,155	150	4,03
2409	280	6,0	0,164	150	4,26
2410	300	6,0	0,173	150	4,50
2411	320	6,0	0,182	150	4,73
2397	330	6,0	0,186	100	4,84
2400	340	6,0	0,191	100	4,97
2401	360	6,0	0,200	100	5,20
2402	380	6,0	0,209	100	5,43
2403	400	6,0	0,218	100	5,67
2404	420	6,0	0,226	100	5,88
2395	330	8,0	0,332	50	8,63

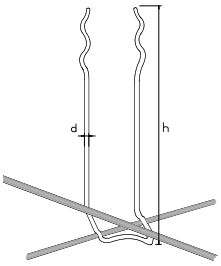


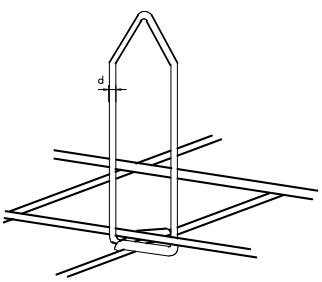
Clip-on:
possible up to h 250 mm – depending on mat cross

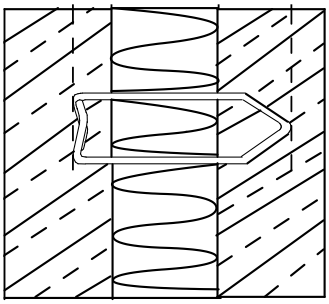
Sewing:
From h longer than 250 mm on mat cross 150, additionally sew with crossbar

Please refer to our installation instructions









BGW bohr GmbH GERMAN QUALITY SINCE 1986

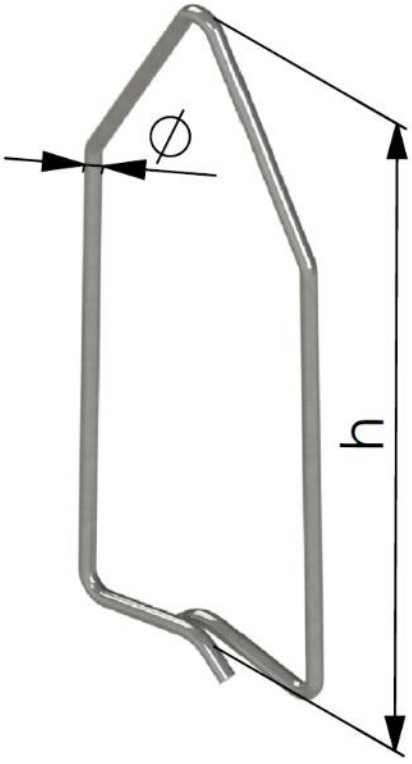
BGW- composite bracket (VB)

For sewing sandwich panels made of approved rust- and acid-resistant stainless steel DIBT Z-30.3-6

Approval for BGW- SPA-B sandwich panel anchors:
https://www.bgw-bohr.de/pdf/Zulassung-Sandwichplattenanker.pdf

Composite bracket – VB or SPA-B Material: Stainless steel 1.4401

Item no.	h mm	Wire ∅ mm	Weight /kg	PU	Price €/piece
2350	155	3,0	0,022	500	0,57
2352	175	3,0	0,024	500	0,62
2354	205	3,0	0,027	500	0,70
2356	250	3,0	0,032	500	0,83
2351	135	4,0	0,032	500	0,83
2357	140	4,0	0,033	500	0,86
2358	155	4,0	0,036	500	0,94
2359	160	4,0	0,037	500	0,96
2360	175	4,0	0,041	500	1,07
2360-180	180	4,0	0,042	500	1,09
2360-190	190	4,0	0,044	500	1,14
2362	205	4,0	0,053	500	1,38
2365	220	4,0	0,057	500	1,48
2363	240	4,0	0,062	500	1,61
2364	250	4,0	0,065	250	1,69
2364-260	260	4,0	0,067	250	1,74
2361-280	280	4,0	0,071	250	1,85
2361-300	300	4,0	0,073	250	1,90
2361-320	320	4,0	0,078	250	2,03
2361-340	340	4,0	0,082	250	2,13
2361-360	360	4,0	0,087	250	2,26
2361-380	380	4,0	0,091	250	2,37
2361-400	400	4,0	0,094	250	2,44
2373-180	180	5,0	0,066	250	1,72
2373	205	5,0	0,083	250	2,16
2373-220	220	5,0	0,089	250	2,31
2349	230	5,0	0,093	250	2,42
2366	240	5,0	0,097	250	2,52
2366-250	250	5,0	0,101	250	2,63
2367	260	5,0	0,105	250	2,73
2368	280	5,0	0,110	250	2,86
2369	300	5,0	0,113	250	2,94
2371	320	5,0	0,122	200	3,17
2371-340	340	5,0	0,128	200	3,33
2371-360	360	5,0	0,135	200	3,51
2371-380	380	5,0	0,141	200	3,67
2371-400	400	5,0	0,147	200	3,82
2361 6	200	6,0	0,105	200	2,73
2365 6	220	6,0	0,128	200	3,33
2366 6	240	6,0	0,140	200	3,64
2367 6	260	6,0	0,150	100	3,90
2368 6	280	6,0	0,158	100	4,11
2369 6	300	6,0	0,167	100	4,34
2371 6	320	6,0	0,176	100	4,58
2371-340 6	340	6,0	0,185	100	4,81
2371-360 6	360	6,0	0,194	100	5,04
2371-380 6	380	6,0	0,203	100	5,28
2371-400 6	400	6,0	0,212	100	5,51



The design software for sandwich anchors is available at: www.bgw-bohr.de/Setup.msi

Other dimensions are available on request

BGW- TU/JTB rail Anchor plate profile

(trapezoidal sheet metal substructure)



BGW/TU Type A

BGWTU/JTB is a U-shaped metal rail that is used in precast concrete plant in supports with concrete. This eliminates the need for dowels during installation. During assembly of the Building, the Precast concrete elements can be attached to the concrete using the BGWTU/JTB metal rail using self-drilling screws. When calculating the screw length, that the screw-in depth into the BGWTU/JTB metal rail is max. 20 mm. The BGWTU/JTB is 3 m long and consists of 3 mm sheet metal Hot-dip galvanised or made of Stainless steel 1.4301 or 1.4571.



BGW/TU Type D

The anchor shapes:

A=Fork anchor: The anchor is 100 mm long for central anchoring of the rail.
D=Ear anchor: The anchor is approx. 75 mm long on the side of the rail.
For BGWTU/JTB metal rails, the specified breaking load of 12.5 kN per anchor was achieved. (You can read this approval report on our website).
The choice of anchor type depends on the position of the Reinforcement. With the different quantity of welded anchors, the metal rail can be divided lengthwise with 8 anchors in the middle and 20 anchors every 150 mm. With 7 anchors for piece installation.

BGW- TU rail/JTB rail

Expert opinion IFBT Leipzig: https://www.bgw-bohr.de/pdf/Gutachten_BGWTU_Ankerschienen.pdf

Item no.	Description	Type	Version Hot-dip galvanised	Weight/ piece	Price €/piece	Price € per meter
56469	BGWTU 60/22/3	A1 Fork anchor 7 pieces	3 m long	7,4 kg	42,00	14,00
56470	BGWTU 60/22/3	A2 Fork anchor 8 pieces	3 m long, can be divided in the middle	7,4 kg	42,00	14,00
56471	BGWTU 60/22/3	A3 Fork anchor 20 pieces	3 m long, divisible every 150 mm	8 kg	60,00	20,00
56467	BGWTU 60/22/3	D2 ear anchors 8 pieces on each side	3 m long, separable	8 kg	45,00	15,00
56468	BGWTU 60/22/3	D3 ear anchors 20 pieces on each side	3 m long, divisible into 150 mm	9 kg	64,50	21,50

Packaging units:

1 pallet with fork anchors: 80 pcs.
1 pallet with ear anchors: 100 pcs.
Hollow profile for mounting double-shell facades (cassette facades)
Trapezoidal sheet metal substructure Profile for installation in precast concrete elements such as supports and trusses.
This hollow profile has a soft foam filler core for subsequent screwing in self-drilling screws.





Item no.	Description	Material	Quality	Dimensions WxH	Material thickness mm	Weight/ Piece kg	Price € 3m/piece	Price € per meter
56472	BGW- TU hollow profile	S235	Hot-dip galvanized	60x30	3	8,5	49	16,33
56475	BGW- TU Hollow profile	S235	Hot-dip galvanized	30x30	3			

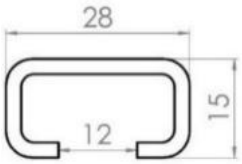
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- anchor channels (AS)-28/15 cold-rolled

Rail channel closed with soft, easily removable foam filling.

with European Technical Approval ETA–16/0387

ETA approval for anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf
English Version: https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf



AS-28/15

Item no.				Profile	Length mm	Quantity	Weight	Price €/unit	Price per unit
Hot-dip galvanised (fv)		Stainless steel (V4A)				Anchor	kg/piece	fv	V4A
AS-28/15-100	(fv)	AS-28/15-100E	(V4A)	28/15	100	2	0,134	5,50	17,00
AS-28/15-150	(fv)	AS-28/15-150E	(V4A)	28/15	150	2	0,189	6,00	19,00
AS-28/15-200	(fv)	AS-28/15-200E	(V4A)	28/15	200	2	0,244	6,50	21,00
AS-28/15-250	(fv)	AS-28/15-250E	(V4A)	28/15	250	2	0,299	7,50	22,50
AS-28/15-300	(fv)	AS-28/15-300E	(V4A)	28/15	300	2	0,366	8,00	25,00
AS-28/15-350	(fv)	AS-28/15-350E	(V4A)	28/15	350	3	0,421	10,50	31,50
AS-28/15-450	(fv)	AS-28/15-450E	(V4A)	28/15	450	3	0,530	11,50	36,00
AS-28/15-550	(fv)	AS-28/15-550E	(V4A)	28/15	550	3	0,640	14,00	41,00
AS-28/15-850	(fv)	AS-28/15-850E	(V4A)	28/15	850	4	0,981	19,50	59,50
AS-28/15-1050	(fv)	AS-28/15-1050E	(V4A)	28/15	1050	5	1,213	24,50	75,00
AS-28/15-3050	(fv)	AS-28/15-3050E	(V4A)	28/15	3050	13	3,504	58,00	208,50
AS-28/15-6070	(fv)	AS-28/15-6070E	(V4A)	28/15	6070	25	6,963	110,00	395,00

Images Manufacturer tensile tests: https://www.bgw-bohr.de/pdf/Ankerschienen_Testversuche.pdf



Anchor rails curved according to customer specifications on request.



The goods must be checked for functionality by the customer as part of an incoming goods inspection.

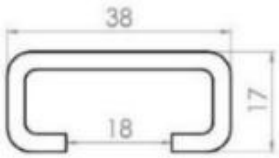
BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- anchor channels (AS)-38/17 cold-rolled

Rail channel closed with soft, easily removable foam filling.

With European Technical Approval ETA–16/0387

ETA approval for anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf
English Version: https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf



AS-38/17

Item no.				Profile	Length mm	Quantity	Weight	Price €/unit	Price per unit
Hot-dip galvanised (fv)		Stainless steel (V4A)				Anchor	kg/piece	fv	V4A
AS-38/17-100	(fv)	AS-38/17-100E	(V4A)	38/17	100	2	0,216	6,50	20,00
AS-38/17-150	(fv)	AS-38/17-150E	(V4A)	38/17	150	2	0,306	7,50	24,50
AS-38/17-200	(fv)	AS-38/17-200E	(V4A)	38/17	200	2	0,397	8,50	27,50
AS-38/17-250	(fv)	AS-38/17-250E	(V4A)	38/17	250	2	0,488	9,50	30,50
AS-38/17-300	(fv)	AS-38/17-300E	(V4A)	38/17	300	2	0,596	10,50	34,00
AS-38/17-350	(fv)	AS-38/17-350E	(V4A)	38/17	350	3	0,687	14,50	42,50
AS-38/17-450	(fv)	AS-38/17-450E	(V4A)	38/17	450	3	0,869	15,50	49,50
AS-38/17-550	(fv)	AS-38/17-550E	(V4A)	38/17	550	3	1,050	17,50	59,00
AS-38/17-850	(fv)	AS-38/17-850E	(V4A)	38/17	850	4	1,613	23,50	81,00
AS-38/17-1050	(fv)	AS-38/17-1050E	(V4A)	38/17	1050	5	1,993	31,00	108,00
AS-38/17-2050	(fv)	AS-38/17-2050E	(V4A)	38/17	2050	5	3,860		
AS-38/17-2350	(fv)	AS-38/17-2350E	(V4A)	38/17	2350	1	4,520		
AS-38/17-3050	(fv)	AS-38/17-3050E	(V4A)	38/17	3050	13	5,763	77,00	314,00
AS-38/17-6070	(fv)	AS-38/17-6070E	(V4A)	38/17	6070	25	11,455	147,00	596,00

Images Manufacturer tensile tests: https://www.bgw-bohr.de/pdf/Ankerschienen_Testversuche.pdf



Anchor rails curved according to customer specifications on request.



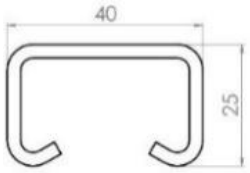
The goods must be checked for functionality by the customer as part of an incoming goods inspection.

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- anchor channels (AS)-40/25 cold rolled

Rail channel closed with soft, easily removable foam filling.

With European Technical Approval ETA–16/0387



[ETA approval for anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf
English Version: https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf]

AS-40/25

Item no.				Profile	Length mm	Quantity	Weight	Price €/unit	Price per unit
Hot-dip galvanised (fv)		Stainless steel (V4A)				Anchor	kg/piece	fv	V4A
AS-40/25-100	(fv)	AS-40/25-100E	(V4A)	40/25	100	2	0,270		
AS-40/25-150	(fv)	AS-40/25-150E	(V4A)	40/25	150	2	0,374	9,00	27,50
AS-40/25-200	(fv)	AS-40/25-200E	(V4A)	40/25	200	2	0,478	10,00	31,00
AS-40/25-250	(fv)	AS-40/25-250E	(V4A)	40/25	250	2	0,582	11,00	36,50
AS-40/25-300	(fv)	AS-40/25-300E	(V4A)	40/25	300	2	0,716	11,50	42,00
AS-40/25-350	(fv)	AS-40/25-350E	(V4A)	40/25	350	3	0,820	14,50	50,00
AS-40/25-400	(fv)	AS-40/25-400E	(V4A)	40/25	400	3	0,924	15,50	55,00
AS-40/25-550	(fv)	AS-40/25-550E	(V4A)	40/25	550	3	1,236	19,00	69,50
AS-40/25-800	(fv)	AS-40/25-800E	(V4A)	40/25	800	4	1,787	26,00	100,00
AS-40/25-1000	(fv)	AS-40/25-1000E	(V4A)	40/25	1000	5	2,250		
AS-40/25-1050	(fv)	AS-40/25-1050E	(V4A)	40/25	1050	5	2,363	33,50	128,00
AS-40/25-1250-33	(fv)	AS-40/25-1250-33E	(V4A)	40/25	1250	5			
AS-40/25-1550	(fv)	AS-40/25-1550E	(V4A)	40/25	1550	5	3,488		
AS-40/25-3050	(fv)	AS-40/25-3050E	(V4A)	40/25	3050	13	6,745	90,00	555,00
AS-40/25-6070	(fv)	AS-40/25-6070E	(V4A)	40/25	6070	25	13,396	172,00	677,00

[Images Manufacturer tensile tests: https://www.bgw-bohr.de/pdf/Ankerschienen_Testversuche.pdf]



Anchor rails curved according to customer specifications on request.



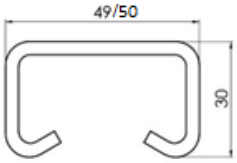


The goods must be checked for functionality by the customer as part of an incoming goods inspection.

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- anchor channels (AS)-49/30, -50/30 cold-rolled

Rail channel closed with soft, easily removable foam filling.
With European Technical Approval ETA–16/0387



ETA approval for anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf
English Version: https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf

AS-49/30; -50/30

Item no.				Profile	Length mm	Quantity	Weight	Price €/unit	Price per unit
Hot-dip galvanised (fv)		Stainless steel (V4A)				Anchor	kg/piece	fv	V4A
AS-49/30-100	(fv)	AS-49/30-100E	(V4A)	49/30	100	2	0,420		
AS-50/30-100	(fv)	AS-50/30-100E	(V4A)	50/30	100	2	0,420		
AS-49/30-150	(fv)	AS-49/30-150E	(V4A)	49/30	150	2	0,569	12,00	33,00
AS-50/30-150	(fv)	AS-50/30-150E	(V4A)	50/30	150	2	0,569	12,00	33,00
AS-49/30-200	(fv)	AS-49/30-200E	(V4A)	49/30	200	2	0,723	13,00	38,00
AS-50/30-200	(fv)	AS-50/30-200E	(V4A)	50/30	200	2	0,723	13,00	38,00
AS-49/30-250	(fv)	AS-49/30-250E	(V4A)	49/30	250	2	0,877	14,00	44,00
AS-50/30-250	(fv)	AS-50/30-250E	(V4A)	50/30	250	2	0,877	14,00	44,00
AS-49/30-300	(fv)	AS-49/30-300E	(V4A)	49/30	300	2	1,085	15,00	51,00
AS-50/30-300	(fv)	AS-50/30-300E	(V4A)	50/30	300	2	1,085	15,00	51,00
AS-49/30-350	(fv)	AS-49/30-350E	(V4A)	49/30	350	3	1,238	19,50	62,00
AS-50/30-350	(fv)	AS-50/30-350E	(V4A)	50/30	350	3	1,238	19,50	62,00
AS-49/30-400	(fv)	AS-49/30-400E	(V4A)	49/30	400	3	1,392	21,00	68,50
AS-50/30-400	(fv)	AS-50/30-400E	(V4A)	50/30	400	3	1,392	21,00	68,50
AS-49/30-550	(fv)	AS-49/30-550E	(V4A)	49/30	550	3	1,853	24,00	89,00
AS-50/30-550	(fv)	AS-50/30-550E	(V4A)	50/30	550	3	1,853	24,00	89,00
AS-49/30-800	(fv)	AS-49/30-800E	(V4A)	49/30	800	4	2,675	33,50	125,00
AS-50/30-800	(fv)	AS-50/30-800E	(V4A)	50/30	800	4	2,675	33,50	125,00
AS-49/30-1050	(fv)	AS-49/30-1050E	(V4A)	49/30	1050	5	3,498	41,50	164,00
AS-50/30-1050	(fv)	AS-50/30-1050E	(V4A)	50/30	1050	5	3,498	41,50	164,00
AS-49/30-3050	(fv)	AS-49/30-3050E	(V4A)	49/30	3050	13	10,077	119,00	470,00
AS-50/30-3050	(fv)	AS-50/30-3050E	(V4A)	50/30	3050	13	10,077	119,00	470,00
AS-49/30-6070	(fv)	AS-49/30-6070E	(V4A)	49/30	6070	25	20,008	227,50	895,00
AS-50/30-6070	(fv)	AS-50/30-6070E	(V4A)	50/30	6070	25	20,008	227,50	895,00

Images Manufacturer tensile tests: https://www.bgw-bohr.de/pdf/Ankerschienen_Testversuche.pdf



Anchor rails curved to customer specifications on request.





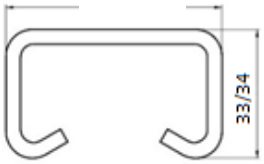
The goods must be checked for functionality by the customer as part of an incoming goods inspection.

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- anchor channels (AS)-53/34, -54/33 cold rolled

Rail channel closed with soft, easily removable foam filling.
with European Technical Approval ETA–16/0387

53/54

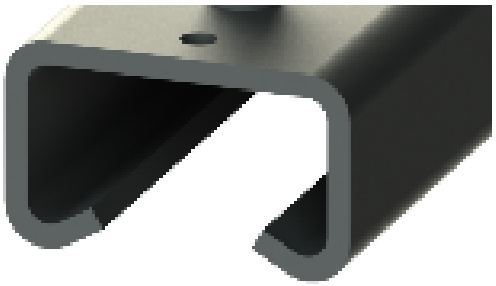


ETA approval Anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf
English Version: https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf

AS-53/34; -54/33

Item no.				Profile	Length	Quantity	Weight	Price €/unit	Price per unit
Hot-dip galvanised (fv)		Stainless steel (V4A)			mm	Anchor	kg/piece	fv	V4A
AS-53/34-150K	(fv)	AS-53/34-150KE	(V4A)	53/34	150	2	0,488	20,50	58,50
AS-54/33-150K	(fv)	AS-54/34-150KE	(V4A)	54/33	150	2	0,488	20,50	58,50
AS-53/34-200K	(fv)	AS-53/34-200KE	(V4A)	53/34	200	2	0,650	23,50	69,00
AS-54/33-200K	(fv)	AS-54/34-200KE	(V4A)	54/33	200	2	0,650	23,50	69,00
AS-53/34-250K	(fv)	AS-53/34-250KE	(V4A)	53/34	250	2	0,813	26,50	79,50
AS-54/33-250K	(fv)	AS-54/34-250KE	(V4A)	54/33	250	2	0,813	26,50	79,50
AS-53/34-300K	(fv)	AS-53/34-300KE	(V4A)	53/34	300	2	1,530	29,50	89,50
AS-54/33-300K	(fv)	AS-54/34-300KE	(V4A)	54/33	300	2	1,530	29,50	89,50
AS-53/34-350K	(fv)	AS-53/34-350KE	(V4A)	53/34	350	3	1,785	35,50	114,00
AS-54/33--350K	(fv)	AS-54/34-350KE	(V4A)	54/33	350	3	1,785	35,50	114,00
AS-53/34-400K	(fv)	AS-53/34-400KE	(V4A)	53/34	400	3	2,040	38,50	124,00
AS-54/33-400K	(fv)	AS-54/34-400KE	(V4A)	54/33	400	3	2,040	38,50	124,00
AS-53/34-550K	(fv)	AS-53/34-550KE	(V4A)	53/34	550	3	2,805	47,50	155,00
AS-54/33-550K	(fv)	AS-54/34-550KE	(V4A)	54/33	550	3	2,805	47,50	155,00
AS-53/34-800K	(fv)	AS-53/34-800KE	(V4A)	53/34	800	4	4,080	66,00	220,50
AS-54/33-800K	(fv)	AS-54/34-800KE	(V4A)	54/33	800	4	4,080	66,00	220,50
AS-53/34-1050K	(fv)	AS-53/34-1050KE	(V4A)	53/34	1050	5	5,355	103,50	286,00
AS-54/33-1050K	(fv)	AS-54/34-1050KE	(V4A)	54/33	1050	5	5,355	103,50	286,00
AS-53/34-3050K	(fv)	AS-53/34-3050KE	(V4A)	53/34	3050	13	15,300	219,50	790,00
AS-54/33-3050K	(fv)	AS-54/34-3050KE	(V4A)	54/33	3050	13	15,300	219,50	790,00
AS-53/34-6070K	(fv)	AS-53/34-6070KE	(V4A)	53/34	6070	25	30,600	479,00	1.325,50
AS-54/33-6070K	(fv)	AS-54/34-6070KE	(V4A)	54/33	6070	25	30,600	479,00	1.325,50

Images Manufacturer tensile tests: https://www.bgw-bohr.de/pdf/Ankerschienen_Testversuche.pdf



Anchor rails curved according to customer specifications on request.

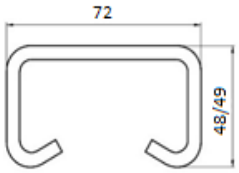


The goods must be checked for functionality by the customer as part of an incoming goods inspection.

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- anchor channels (AS)-72/48, -72/49 cold-rolled

Rail channel closed with soft, easily removable foam filling.
With European Technical Approval ETA–16/0387

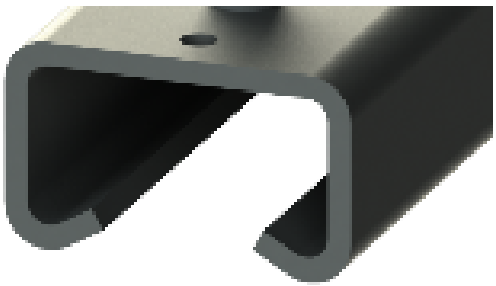


ETA approval Anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf
English Version: https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf

AS-72/48; -72/49

Item no.				Profile	Length mm	Quantity	Weight	Price €/unit	Price per unit
Hot-dip galvanised (fv)		Stainless steel (V4A)				Anchor	kg/piece	fv	V4A
AS-72/48-150K	(fv)	AS-72/48-150KE	(V4A)	72/48	150	2	1,358	41,00	94,00
AS-72/49-150K	(fv)	AS-72/49-150KE	(V4A)	72/49	150	2	1,358	41,00	94,00
AS-72/48-200K	(fv)	AS-72/48-200KE	(V4A)	72/48	200	2	1,810	44,00	106,50
AS-72/49-200K	(fv)	AS-72/49-200KE	(V4A)	72/49	200	2	1,810	44,00	106,50
AS-72/48-250K	(fv)	AS-72/48-250KE	(V4A)	72/48	250	2	2,263	47,50	119,50
AS-72/49-250K	(fv)	AS-72/49-250KE	(V4A)	72/49	250	2	2,263	47,50	119,50
AS-72/48-300K	(fv)	AS-72/48-300KE	(V4A)	72/48	300	2	2,715	50,50	132,50
AS-72/49-300K	(fv)	AS-72/49-300KE	(V4A)	72/49	300	2	2,715	50,50	132,50
AS-72/48-350K	(fv)	AS-72/48-350KE	(V4A)	72/48	350	3	3,168	54,00	145,50
AS-72/49-350K	(fv)	AS-72/49-350KE	(V4A)	72/49	350	3	3,168	54,00	145,50
AS-72/48-400K	(fv)	AS-72/48-400KE	(V4A)	72/48	400	3	3,620	69,00	183,00
AS-72/49-400K	(fv)	AS-72/49-400KE	(V4A)	72/49	400	3	3,620	69,00	183,00
AS-72/48-550K	(fv)	AS-72/48-550KE	(V4A)	72/48	550	3	4,978	77,50	222,00
AS-72/49-550K	(fv)	AS-72/49-550KE	(V4A)	72/49	550	3	4,978	77,50	222,00
AS-72/48-800K	(fv)	AS-72/48-800KE	(V4A)	72/48	800	4	7,240	106,00	310,00
AS-72/49-800K	(fv)	AS-72/49-800KE	(V4A)	72/49	800	4	7,240	106,00	310,00
AS-72/48-1050K	(fv)	AS-72/48-1050KE	(V4A)	72/48	1050	5	9,503	156,50	393,00
AS-72/49-1050K	(fv)	AS-72/49-1050KE	(V4A)	72/49	1050	5	9,503	156,50	393,00
AS-72/48-3050K	(fv)	AS-72/48-3050KE	(V4A)	72/48	3050	13	27,150	301,50	1.015,00
AS-72/49-3050K	(fv)	AS-72/49-3050KE	(V4A)	72/49	3050	13	27,150	301,50	1.015,00
AS-72/48-6070K	(fv)	AS-72/48-6070KE	(V4A)	72/48	6070	25	54,300	728,50	2.009,50
AS-72/49-6070K	(fv)	AS-72/49-6070KE	(V4A)	72/49	6070	25	54,300	728,50	2.009,50

Pictures Manufacturer tensile tests: https://www.bgw-bohr.de/pdf/Ankerschienen_Testversuche.pdf



Anchor rails curved according to customer specifications on request.

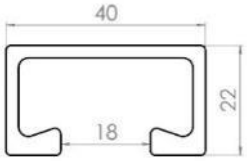


The goods must be checked for functionality by the customer as part of an incoming goods inspection.

BGW- anchor channels (AS)-40/22 hot rolled

Rail channel closed with soft, easily removable foam filling. With European Technical Approval ETA–16/0387

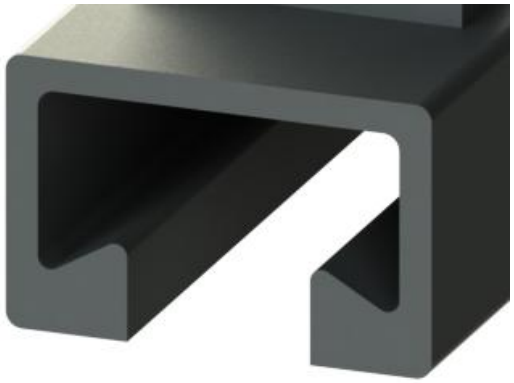
ETA approval for anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf
English Version: https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf



AS-40/22

Item no.				Profile	Length mm	Quantity	Weight	Price €/unit	Price per unit
Hot-dip galvanised (fv)		Stainless steel (V4A)				Anchor	kg/piece	fv	V4A
AS-40/22-150	(fv)	AS-40/22-150E	(V4A)	40/22	150	2	0,408	10,00	33,50
AS-40/22-200	(fv)	AS-40/22-200E	(V4A)	40/22	200	2	0,524	10,50	41,00
AS-40/22-250	(fv)	AS-40/22-250E	(V4A)	40/22	250	2	0,639	14,50	52,50
AS-40/22-300	(fv)	AS-40/22-300E	(V4A)	40/22	300	2	0,755	16,00	61,00
AS-40/22-350	(fv)	AS-40/22-350E	(V4A)	40/22	350	3	0,901	17,50	66,00
AS-40/22-400	(fv)	AS-40/22-400E	(V4A)	40/22	400	3	1,016	19,50	73,50
AS-40/22-550	(fv)	AS-40/22-550E	(V4A)	40/22	550	3	1,363	26,00	97,50
AS-40/22-800	(fv)	AS-40/22-800E	(V4A)	40/22	800	4	1,971	34,50	143,50
AS-40/22-1050	(fv)	AS-40/22-1050E	(V4A)	40/22	1050	5	2,579	43,50	187,00
AS-40/22-1300	(fv)	AS-40/22-1300E	(V4A)	40/22	1300	6	3,188	55,50	
AS-40/22-1550	(fv)	AS-40/22-1550E	(V4A)	40/22	1550	7	3,796	65,50	
AS-40/22-1800	(fv)	AS-40/22-1800E	(V4A)	40/22	1800	8	4,404	75,50	
AS-40/22-2050	(fv)	AS-40/22-2050E	(V4A)	40/22	2050	9	5,013	85,50	
AS-40/22-2300	(fv)	AS-40/22-2300E	(V4A)	40/22	2300	10	5,621	95,50	
AS-40/22-2550	(fv)	AS-40/22-2550E	(V4A)	40/22	2550	11	6,229	105,00	
AS-40/22-3050	(fv)	AS-40/22-3050E	(V4A)	40/22	3050	13	7,446	111,50	495,00
AS-40/22-6070	(fv)	AS-40/22-6070E	(V4A)	40/22	6070	25	14,792	215,50	988,00

Images Manufacturer tensile tests: https://www.bgw-bohr.de/pdf/Ankerschienen_Testversuche.pdf



Anchor rails curved according to customer specifications on request.

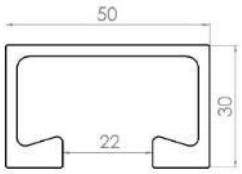


The goods must be checked for functionality by the customer as part of an incoming goods inspection.

BGW- anchor channels (AS)-50/30 hot rolled

Rail channel closed with soft, easily removable foam filling. With European Technical Approval ETA–16/0387

ETA approval for anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf
English Version: https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf



AS-50/30

Item no.				Profile	Length mm	Quantity	Weight	Price €/unit	Price per unit
Hot-dip galvanised (fv)		Stainless steel (V4A)				Anchor	kg/piece	fv	V4A
AS-50/30-150	(fv)	AS-50/30-150E	(V4A)	50/30	150	2	0,648	14,00	49,50
AS-50/30-200	(fv)	AS-50/30-200E	(V4A)	50/30	200	2	0,828	16,50	59,50
AS-50/30-250	(fv)	AS-50/30-250E	(V4A)	50/30	250	2	1,008	19,00	69,50
AS-50/30-300	(fv)	AS-50/30-300E	(V4A)	50/30	300	2	1,188	21,50	81,00
AS-50/30-350	(fv)	AS-50/30-350E	(V4A)	50/30	350	3	1,422	26,00	99,50
AS-50/30-400	(fv)	AS-50/30-400E	(V4A)	50/30	400	3	1,602	28,00	111,00
AS-50/30-550	(fv)	AS-50/30-550E	(V4A)	50/30	550	3	2,142	36,00	142,00
AS-50/30-800	(fv)	AS-50/30-800E	(V4A)	50/30	800	4	3,096	50,00	203,50
AS-50/30-1050	(fv)	AS-50/30-1050E	(V4A)	50/30	1050	5	4,050	64,50	264,50
AS-50/30-1300	(fv)	AS-50/30-1300E	(V4A)	50/30	1300	5	5,384	85,00	
AS-50/30-1550	(fv)	AS-50/30-1550E	(V4A)	50/30	1550	7	6,520	101,30	
AS-50/30-1800	(fv)	AS-50/30-1800E	(V4A)	50/30	1800	8	7,460	117,50	
AS-50/30-2050	(fv)	AS-50/30-2050E	(V4A)	50/30	2050	9	8,500	139,95	
AS-50/30-2300	(fv)	AS-50/30-2300E	(V4A)	50/30	2300	10	9,560	150,20	
AS-50/30-2550	(fv)	AS-50/30-2550E	(V4A)	50/30	2550	11	10,580	160,00	
AS-50/30-3050	(fv)	AS-50/30-3050E	(V4A)	50/30	3050	13	11,682	170,00	755,00
AS-50/30-6070	(fv)	AS-50/30-6070E	(V4A)	50/30	6070	25	23,202	303,00	1.389,00

Images Manufacturer tensile tests: https://www.bgw-bohr.de/pdf/Ankerschienen_Testversuche.pdf



Anchor rails curved according to customer specifications on request.

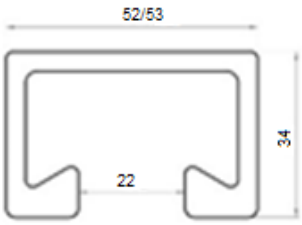


The goods must be checked for functionality by the customer as part of an incoming goods inspection.

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- anchor channels (AS)-52/34,-53/34 hot rolled

Rail channel closed with soft, easily removable foam filling.
With European Technical Approval ETA–16/0387

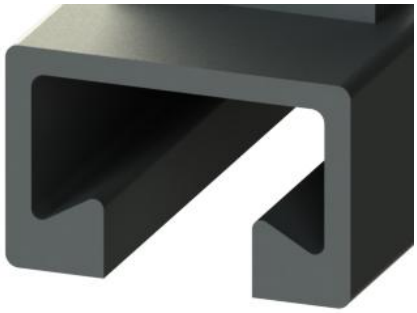


ETA approval for anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf
English Version: https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf

AS-52/34

Item no.				Profile	Length mm	Quantity	Weight	Price €/unit	Price per unit
Hot-dip galvanised (fv)		Stainless steel (V4A)				Anchor	kg/piece	fv	V4A
AS-52/34-150	(fv)	AS-52/34-150E	(V4A)	52/34	150	2	1,092	20,00	66,00
AS-53/34-150	(fv)	AS-53/34-150E	(V4A)	53/34	150	2	1,092	20,00	66,00
AS-52/34-200	(fv)	AS-52/34-200E	(V4A)	52/34	200	2	1,376	23,00	80,50
AS-53/34-200	(fv)	AS-53/34-200E	(V4A)	53/34	200	2	1,376	23,00	80,50
AS-52/34-250	(fv)	AS-52/34-250E	(V4A)	52/34	250	2	1,661	25,50	95,00
AS-53/34-250	(fv)	AS-53/34-250E	(V4A)	53/34	250	2	1,661	25,50	95,00
AS-52/34-300	(fv)	AS-52/34-300E	(V4A)	52/34	300	2	1,945	28,50	109,00
AS-53/34-300	(fv)	AS-53/34-300E	(V4A)	53/34	300	2	1,945	28,50	109,00
AS-52/34-350	(fv)	AS-52/34-350E	(V4A)	52/34	350	3	2,349	36,00	131,00
AS-53/34-350	(fv)	AS-53/34-350E	(V4A)	53/34	350	3	2,349	36,00	131,00
AS-52/34-400	(fv)	AS-52/34-400E	(V4A)	52/34	400	3	2,633	39,00	145,00
AS-53/34-400	(fv)	AS-53/34-400E	(V4A)	53/34	400	3	2,633	39,00	145,00
AS-52/34-550	(fv)	AS-52/34-550E	(V4A)	52/34	550	3	3,485	48,00	188,00
AS-53/34-550	(fv)	AS-53/34-550E	(V4A)	53/34	550	3	3,485	48,00	188,00
AS-52/34-800	(fv)	AS-52/34-800E	(V4A)	52/34	800	4	5,026	67,50	265,50
AS-53/34-800	(fv)	AS-53/34-800E	(V4A)	53/34	800	4	5,026	67,50	265,50
AS-52/34-1050	(fv)	AS-52/34-1050E	(V4A)	52/34	1050	5	5,880	120,00	368,50
AS-53/34-1050	(fv)	AS-53/34-1050E	(V4A)	53/34	1050	5	5,880	120,00	368,50
AS-52/34-3050	(fv)	AS-52/34-3050E	(V4A)	52/34	3050	13	16,800	265,50	1.026,00
AS-53/34-3050	(fv)	AS-53/34-3050E	(V4A)	53/34	3050	13	16,800	265,50	1.026,00
AS-52/34-4500	(fv)	AS-52/34-4500E	(V4A)	52/34	4500	13			
AS-53/34-4500	(fv)	AS-53/34-4500E	(V4A)	53/34	4500	13			
AS-52/34-5000	(fv)	AS-52/34-5000E	(V4A)	52/34	5000	13			
AS-53/34-5000	(fv)	AS-53/34-5000E	(V4A)	53/34	5000	13			
AS-52/34-6070	(fv)	AS-52/34-6070E	(V4A)	52/34	6070	25	33,600	490,00	1.957,00
AS-53/34-6070	(fv)	AS-53/34-6070E	(V4A)	53/34	6070	25	33,600	490,00	1.957,00

Images Manufacturer tensile tests: https://www.bgw-bohr.de/pdf/Ankerschienen_Testversuche.pdf



Anchor rails curved according to customer specifications on request.

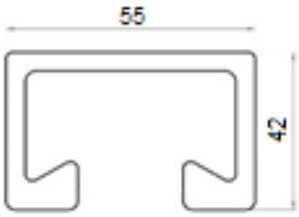


The goods must be checked for functionality by the customer as part of an incoming goods inspection.

BGW- anchor channels (AS)-55/42 hot rolled

Rail channel closed with soft, easily removable foam filling. With European Technical Approval ETA–16/0387

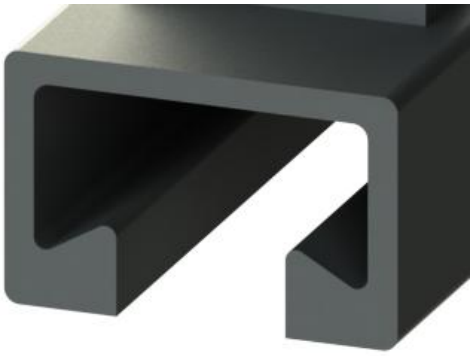
ETA approval for anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf
English Version: https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf



AS-55/42

Item no.				Profile	Length mm	Quantity	Weight	Price €/unit	Price per unit
Hot-dip galvanised (fv)		Stainless steel (V4A)				Anchor	kg/piece	fv	V4A
AS-55/42-150	(fv)	AS-55/42-150E	(V4A)	55/42	150	2	1,155	23,00	
AS-55/42-200	(fv)	AS-55/42-200E	(V4A)	55/42	200	2	1,540	27,00	
AS-55/42-250	(fv)	AS-55/42-250E	(V4A)	55/42	250	2	1,925	29,50	
AS-55/42-300	(fv)	AS-55/42-300E	(V4A)	55/42	300	2	2,310	33,50	
AS-55/42-350	(fv)	AS-55/42-350E	(V4A)	55/42	350	3	2,695	38,00	
AS-55/42-400	(fv)	AS-55/42-400E	(V4A)	55/42	400	3	3,080	48,50	
AS-55/42-550	(fv)	AS-55/42-550E	(V4A)	55/42	550	3	4,235	59,00	
AS-55/42-800	(fv)	AS-55/42-800E	(V4A)	55/42	800	4	6,160	81,50	
AS-55/42-1050	(fv)	AS-55/42-1050E	(V4A)	55/42	1050	5	8,085	88,00	
AS-55/42-3050	(fv)	AS-55/42-3050E	(V4A)	55/42	3050	13	23,100	243,00	
AS-55/42-6070	(fv)	AS-55/42-6070E	(V4A)	55/42	6070	25	46,200	483,00	

Images Manufacturer tensile tests: https://www.bgw-bohr.de/pdf/Ankerschienen_Testversuche.pdf



Anchor rails curved according to customer specifications on request.



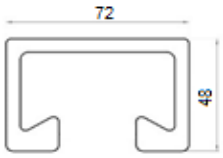
The goods must be checked for functionality by the customer as part of an incoming goods inspection.

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- anchor channels (AS)-72/48 hot rolled

Rail channel closed with soft, easily removable foam filling. With European Technical Approval ETA–16/0387

ETA approval for anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf
English Version: https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf



AS-72/4

Item no.				Profile	Length mm	Quantity	Weight	Price €/unit	Price per unit
Hot-dip galvanised (fv)		Stainless steel (V4A)				Anchor	kg/piece	fv	V4A
AS-72/48-150W	(fv)	AS-72/48-150WE	(V4A)	72/48	150	2	1,470	32,00	130,50
AS-72/48-200W	(fv)	AS-72/48-200WE	(V4A)	72/48	200	2	1,960	36,00	156,50
AS-72/48-250W	(fv)	AS-72/48-250WE	(V4A)	72/48	250	2	2,450	39,50	182,00
AS-72/48-300W	(fv)	AS-72/48-300WE	(V4A)	72/48	300	2	2,940	43,50	208,00
AS-72/48-350W	(fv)	AS-72/48-350WE	(V4A)	72/48	350	3	3,430	56,00	233,50
AS-72/48-400W	(fv)	AS-72/48-400WE	(V4A)	72/48	400	3	3,920	60,00	283,50
AS-72/48-550W	(fv)	AS-72/48-550WE	(V4A)	72/48	550	3	5,390	75,00	361,00
AS-72/48-800W	(fv)	AS-72/48-800WE	(V4A)	72/48	800	4	7,840	112,00	512,00
AS-72/48-1050W	(fv)	AS-72/48-1050WE	(V4A)	72/48	1050	5	10,290	135,50	573,50
AS-72/48-3050W	(fv)	AS-72/48-3050WE	(V4A)	72/48	3050	13	29,400	317,50	1.764,00
AS-72/48-6070W	(fv)	AS-72/48-6070WE	(V4A)	72/48	6070	25	58,800	743,00	3.281,00

Images Manufacturer tensile tests: https://www.bgw-bohr.de/pdf/Ankerschienen_Testversuche.pdf



.

Anchor rails curved to customer specifications on request.





The goods must be checked for functionality by the customer as part of an incoming goods inspection.

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- anchor channels (AS)-29/20 hot rolled, serrated

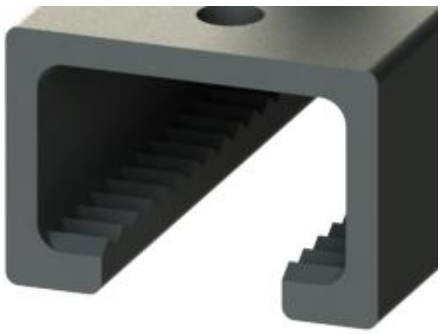
Rail channel closed with soft, easily removable foam filling.

ETA approval Anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf
English Version: https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf

AS-29/20

Item no.				Profile	Length mm	Quantity	Weight	Price €/unit	Price €/unit
Hot-dip galvanised (fv)		Stainless steel (V4A)				Anchor	kg/piece	fv	V4A
AS-29/20-100	(fv)	AS-29/20-100E	(V4A)	29/20	100	2	0,247		
AS-29/20-150	(fv)	AS-29/20-150E	(V4A)	29/20	150	2	0,255	10,00	
AS-29/20-200	(fv)	AS-29/20-200E	(V4A)	29/20	200	2	0,340	11,50	
AS-29/20-250	(fv)	AS-29/20-250E	(V4A)	29/20	250	2	0,425	12,50	
AS-29/20-300	(fv)	AS-29/20-300E	(V4A)	29/20	300	2	0,510	13,50	
AS-29/20-350	(fv)	AS-29/20-350E	(V4A)	29/20	350	3	0,595	18,00	
AS-29/20-450	(fv)	AS-29/20-450E	(V4A)	29/20	450	3	0,680	19,00	
AS-29/20-550	(fv)	AS-29/20-550E	(V4A)	29/20	550	3	0,935	22,50	
AS-29/20-850	(fv)	AS-29/20-850E	(V4A)	29/20	850	4	1,360	35,50	
AS-29/20-1050	(fv)	AS-29/20-1050E	(V4A)	29/20	1050	5	1,785	39,50	
AS-29/20-3050	(fv)	AS-29/20-3050E	(V4A)	29/20	3050	13	5,100	107,50	
AS-29/20-6070	(fv)	AS-29/20-6070E	(V4A)	29/20	6070	25	10,200	207,00	

Images Manufacturer tensile tests: https://www.bgw-bohr.de/pdf/Ankerschienen_Testversuche.pdf



Anchor rails curved according to customer specifications on request.





The goods must be checked for functionality by the customer as part of an incoming goods inspection.

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- anchor channels (AS)-38/23 hot rolled, serrated

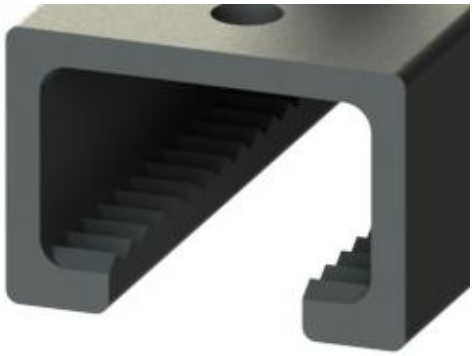
Rail channel closed with soft, easily removable foam filling.
With European Technical Approval ETA–16/0387

ETA approval for anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf
English Version: https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf

AS-38/23

Item no.				Profile	Length mm	Quantity	Weight	Price €/unit	Price €/unit
Hot-dip galvanised (fv)		Stainless steel (V4A)				Anchor	kg/piece	fv	V4A
AS-38/23-100	(fv)	AS-38/23-100E	(V4A)	38/23	100	2	0,326		
AS-38/23-150	(fv)	AS-38/23-150E	(V4A)	38/23	150	2	0,405	14,00	47,00
AS-38/23-200	(fv)	AS-38/23-200E	(V4A)	38/23	200	2	0,540	16,00	58,50
AS-38/23-250	(fv)	AS-38/23-250	(V4A)	38/23	250	2	0,675	17,50	69,50
AS-38/23-300	(fv)	AS-38/23-300E	(V4A)	38/23	300	2	0,810	19,50	81,00
AS-38/23-350	(fv)	AS-38/23-350E	(V4A)	38/23	350	3	0,945	24,50	97,50
AS-38/23-450	(fv)	AS-38/23-450E	(V4A)	38/23	450	3	1,080	36,00	108,50
AS-38/23-550	(fv)	AS-38/23-550E	(V4A)	38/23	550	3	1,485	31,50	142,00
AS-38/23-850	(fv)	AS-38/23-850E	(V4A)	38/23	850	4	2,160	43,50	203,00
AS-38/23-1050	(fv)	AS-38/23-1050E	(V4A)	38/23	1050	5	2,835	56,00	264,50
AS-38/23-3050	(fv)	AS-38/23-3050E	(V4A)	38/23	3050	13	8,100	148,00	755,00
AS-38/23-6070	(fv)	AS-38/23-6070E	(V4A)	38/23	6070	25	16,200	285,50	1.389,50

Images Manufacturer tensile tests: https://www.bgw-bohr.de/pdf/Ankerschienen_Testversuche.pdf



.

Anchor rails curved to customer specifications on request.





The goods must be checked for functionality by the customer as part of an incoming goods inspection.

BGW- anchor channels (AS)-53/34 hot-rolled, serrated

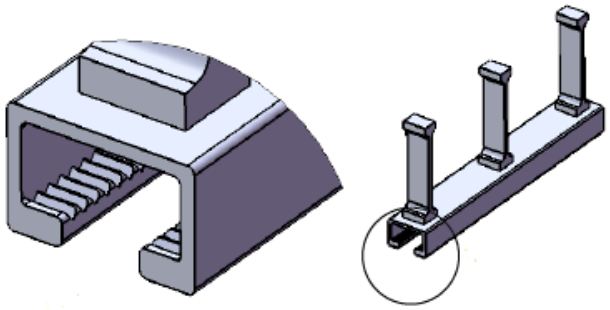
Rail channel closed with soft, easily removable foam filling.

ETA approval Anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf
English version: https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf

AS-53/34

Item no.				Profile	Length mm	Quantity	Weight	Price €/unit	Price €/unit
Hot-dip galvanised (fv)		Stainless steel (V4A)				Anchor	kg/piece	fv	V4A
AS-53/34-150	(fv)	AS-53/34-150E	(V4A)	53/34	150	2	0,825	20,50	129,50
AS-53/34-200	(fv)	AS-53/34-200E	(V4A)	53/34	200	2	1,100	32,00	154,00
AS-53/34-250	(fv)	AS-53/34-250E	(V4A)	53/34	250	2	1,375	39,50	175,50
AS-53/34-300	(fv)	AS-53/34-300E	(V4A)	53/34	300	2	1,650	43,00	197,00
AS-53/34-350	(fv)	AS-53/34-350E	(V4A)	53/34	350	3	1,925	56,00	251,00
AS-53/34-400	(fv)	AS-53/34-400E	(V4A)	53/34	400	3	2,200	59,50	273,50
AS-53/34-550	(fv)	AS-53/34-550E	(V4A)	53/34	550	3	3,025	68,50	340,50
AS-53/34-800	(fv)	AS-53/34-800E	(V4A)	53/34	800	4	4,400	94,50	481,00
AS-53/34-1050	(fv)	AS-53/34-1050E	(V4A)	53/34	1050	5	5,775	133,50	613,50
AS-53/34-3050	(fv)	AS-53/34-3050E	(V4A)	53/34	3050	13	16,500	303,00	1.661,50
AS-53/34-6070	(fv)	AS-53/34-6070E	(V4A)	53/34	6070	25	33,000	709,00	3.281,00

Images Manufacturer tensile tests: https://www.bgw-bohr.de/pdf/Ankerschienen_Testversuche.pdf



Anchor rails curved according to customer specifications on request.



The goods must be checked for functionality by the customer as part of an incoming goods inspection.

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- anchor channels (AS)-64/44 hot-rolled, serrated

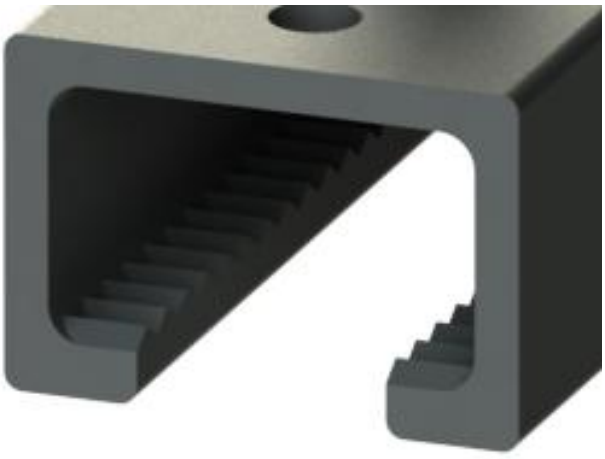
Rail channel closed with soft, easily removable foam filling.
With European Technical Approval ETA–16/0387

ETA approval Anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf
English Version: https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf

AS-64/44

Item no.				Profile	Length mm	Quantity	Weight	Price €/unit	Price €/unit
Hot-dip galvanised (fv)		Stainless steel (V4A)				Anchor	kg/piece	fv	V4A
AS-64/44-150	(fv)	AS-64/44-150E	(V4A)	64/44	150	2	1,245	63,00	
AS-64/44-200	(fv)	AS-64/44-200E	(V4A)	64/44	200	2	1,660	70,50	
AS-64/44-250	(fv)	AS-64/44-250E	(V4A)	64/44	250	2	2,075	77,50	
AS-64/44-300	(fv)	AS-64/44-300E	(V4A)	64/44	300	2	2,490	85,00	
AS-64/44-350	(fv)	AS-64/44-350E	(V4A)	64/44	350	3	2,905	105,30	
AS-64/44-400	(fv)	AS-64/44-400E	(V4A)	64/44	400	3	3,320	114,50	
AS-64/44-550	(fv)	AS-64/44-550E	(V4A)	64/44	550	3	4,565	135,50	
AS-64/44-800	(fv)	AS-64/44-800E	(V4A)	64/44	800	4	6,640	189,00	
AS-64/44-1050	(fv)	AS-64/44-1050E	(V4A)	64/44	1050	5	8,715	271,50	
AS-64/44-3050	(fv)	AS-64/44-3050E	(V4A)	64/44	3050	13	24,900	605,50	
AS-64/44-6070	(fv)	AS-64/44-6070E	(V4A)	64/44	6070	25	49,800	1.376,00	

Images Manufacturer tensile tests: https://www.bgw-bohr.de/pdf/Ankerschienen_Testversuche.pdf



Anchor rails curved according to customer specifications on request.





The goods must be checked for functionality by the customer as part of an incoming goods inspection.

BGW- anchor channels (AS)-41/22 cold-rolled, serrated

Rail channel closed with soft, easily removable foam filling.

ETA approval Anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf
English Version: https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf

AS-41/22

Item no.				Profile	Length mm	Quantity	Weight	Price €/unit	Price €/unit
Hot-dip galvanised (fv)		Stainless steel (V4A)				Anchor	kg/piece	fv	V4A
AS-41/22-100	(fv)	AS-41/22-100E	(V4A)	41/22	100	2	0,230	8,50	24,00
AS-41/22-150	(fv)	AS-41/22-150E	(V4A)	41/22	150	2	0,345	10,50	30,00
AS-41/22-200	(fv)	AS-41/22-200E	(V4A)	41/22	200	2	0,460	12,00	36,00
AS-41/22-250	(fv)	AS-41/22-250E	(V4A)	41/22	250	2	0,575	13,50	42,00
AS-41/22-300	(fv)	AS-41/22-300E	(V4A)	41/22	300	2	0,690	15,00	47,50
AS-41/22-350	(fv)	AS-41/22-350E	(V4A)	41/22	350	3	0,805	18,50	60,00
AS-41/22-400	(fv)	AS-41/22-400E	(V4A)	41/22	400	3	0,920	20,00	65,50
AS-41/22-550	(fv)	AS-41/22-550E	(V4A)	41/22	550	3	1,265	24,50	82,50
AS-41/22-800	(fv)	AS-41/22-800E	(V4A)	41/22	800	4	1,840	35,00	119,00
AS-41/22-1050	(fv)	AS-41/22-1050E	(V4A)	41/22	1050	5	2,415	45,50	154,50
AS-41/22-3050	(fv)	AS-41/22-3050E	(V4A)	41/22	3050	13	6,900	126,00	435,00
AS-41/22-6070	(fv)	AS-41/22-6070E	(V4A)	41/22	6070	25	13,961	266,00	881,00

Images Manufacturer tensile tests: https://www.bgw-bohr.de/pdf/Ankerschienen_Testversuche.pdf

Anchor rails curved according to customer specifications on request.





The goods must be checked for functionality by the customer as part of an incoming goods inspection.

BGW- wall connection rail (MAS)

Rail channel closed with soft, easily removable foam filling.

BGW wall connection rails are cast vertically into the precast concrete element, the concrete wall, at freely selectable intervals.
Wall connection anchors are then hooked into the rails and embedded in the joints of the pre-built Masonry.

Item no.	Profile	Length	Quantity	Weight	Price €/unit
			Anchor	kg/piece	
MAS25/15D	25/15	2500	10	0,95	7,60



The wall connection anchor (AS) for thin-bed mortar joints is hooked into the MAS 25/15 built-in wall connection rail or the 28/15 anchor rail and pressed into the mortar of the wall joint until the holes in the wall connection anchor are filled with mortar.
This ensures that, once the mortar has hardened, a permanent bond is formed between the wall connection anchor and the Masonry.



Galvanised steel

Item no.	Material Galvanised steel Length	Width X Thickness	For profile	PU	Weight Approx. pieces	Price/ piece €
71000	85	25x1,3	MAS25/15 AS 28/15	100	0,024kg	1,22
71001	125	25x1,3	MAS25/15 AS 28/15	100	0,033	1,65
71002	185	25x1,3	MAS25/15 AS 28/15	100	0,045	2,45

Stainless steel V4A/V2A

Item no.	Material Stainless steel V4A Length	Width	For profile	PU	Weight	Price per piece €
71006	85	25x1,3	MAS25/15 AS 28/15	100	0,024	2,16
71007	125	25x1,3	MAS25/15 AS 28/15	100	0,033	2,97
71008	185	25x1,3	MAS25/15 AS 28/15	100	0,045	4,05

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- hammer-head screws (HKS) with nut

in galvanized and Stainless steel

for anchor rail type 28/15
Please order washers separately if required.
ETA approval for anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf

Profile	Thread x length mm	Galvanised 8.8		PU	V4A-70		PU
28/15		Item no.	Price €/100 pieces		Item no.	Price €/100 pieces	
	M6 x 15	56190-6	53,00	100			
	M6 x 20	56190-7	53,00	100			
	M6 x 25	56190-8	55,00	100			
	M6 x 30	56190-9	57,00	100			
	M6 x 40	56190-10	63,00	100			
	M6 x 50	56190-11	63,00	100			
	M6 x 60	56190-12	76,00	100			
	M8 x 15	56190-13	66,00	100			
	M8 x 20	56190-14	66,00	100			
	M8 x 25	56190-2	68,00	100			
	M8 x 30	56190-15	70,00	100	56190-15A4	534,00	100
	M8 x 40	56190-16	72,00	100			
	M8 x 50	56190-17	74,00	100			
	M8 x 60	56190-18	79,00	100			
	M8 x 80	56190-19	135,00	100			
	M8 x 100	56190-20	183,00	100			
	M8 x 150	56190-21	336,00	100			
	M10x 15	56190-22	70,00	100			
	M10 x 20	56190-23	72,00	100	56190-23A4	549,00	100
	M10 x 25	56190-24	76,00	100	56190-24A4	575,00	100
	M10 x 30	56190-25	78,00	100	56190-25A4	601,00	100
	M10 x 40	56190-1	89,00	100	56190-1A4	650,00	100
	M10 x 50	56190-26	96,00	100	56190-26A4	699,00	100
	M10 x 60	56190-27	102,00	100	56190-27A4	745,00	100
	M10 x 80	56190-28	146,00	100	56190-28A4	918,00	100
	M10 x 100	56190-29	196,00	50	56190-29A4	1210,00	50
	M10 x 125	56190-30	300,00	50	56190-30A4	1358,00	50
	M10 x 150	56190-31	360,00	50	56190-31A4	1548,00	50
	M10 x 200	56190-32	579,00	50	56190-32A4	2086,00	50
	M12 x 30	56190-33	118,00	100			
	M12 x 50	56190-34	128,00	50			
	M12 x 80	56190-35	148,00	50			

Washers in accordance with DIN 125, Galvanised

Item no.	for Screw	Ø inside mm	Ø outside mm	Thickness mm	Price €/100 pieces
562151	M 6	6,4	12,0	1,6	
56355	M 8	8,4	16,0	1,6	
56203	M10	10,5	20,0	2,0	
56946	M 12	13,0	24,0	2,5	
569741	M 16	17,0	30,0	3,0	
56352	M 20	21,0	37,0	3,0	



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- hammer-head screws (HKS) with nut

in galvanised and Stainless steel

for anchor rail 38/17
Please order washers separately if required.
ETA approval for anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf

Profile	Thread x length mm	Galvanised 8.8		PU	V4A-70		PU
38/17		Item no.	Price €/100 pieces		Item no.	Price €/100 pieces	
	M10 x 20	56190-36	105,00	100			
	M10 x 30	56190-37	107,00	100	56190-37A4	933,00	50
	M10 x 40	56190-38	115,00	100	56190-38A4	1046,00	50
	M10 x 50	56190-39	118,00	100	56190-39A4	1080,00	50
	M10 x 60	56190-40	122,00	100	56190-40A4	1138,00	50
	M10 x 80	56190-41	165,00	50			
	M10 x 100	56190-42	206,00	50			
	M10 x 150	56190-43	365,00	50			
	M12 x 20	56190-44	120,00	100			
	M12 x 30	56190	137,00	100	56190A4	913,00	50
	M12 x 40	56190-45	142,00	50	56190-45A4	970,00	50
	M12 x 50	56191	148,00	50	56191E	1043,00	50
	M12 x 60	56190-46	155,00	50	56190-46A4	1155,00	50
	M12 x 80	56190-47	163,00	50	56190-47A4	1190,00	50
	M12 x 100	56190-48	239,00	50	56190-48A4	1592,00	50
	M12 x 125	56190-49	299,00	50			
	M12 x 150	56190-50	371,00	25	56190-50A4	2539,00	25
	M12 x 200	56190-51	612,00	25	56190-51A4	2863,00	25
	M16 x 20	56190-52	161,00	50			
	M16 x 30	56190-53	165,00	50	56190-53A4	1222,00	50
	M16 x 40	56191-5	167,00	50	56191-5A4	1326,00	50
	M16 x 50	56191-1	183,00	50	56191-1A4	1468,00	50
	M16 x 60	56191-6	200,00	50	56191-6A4	1560,00	25
	M16 x 80	56190-54	232,00	25	56190-54A4	1794,00	25
	M16 x 100	56190-55	293,00	25	56190-55A4	2014,00	25
	M16 x 125	56190-56	416,00	25			
	M16 x 150	56190-57	480,00	25	56191-57A4	3132,00	25
	M16 x 200	56190-58	714,00	25	56190-58A4	3739,00	25

Washers in accordance with DIN 125, Galvanised

Item no.	for Screw	Ø inside mm	Ø outside mm	Thickness mm	Price €/100 pieces
562151	M 6	6,4	12,0	1,6	
56355	M 8	8,4	16,0	1,6	
56203	M10	10,5	20,0	2,0	
56946	M 12	13,0	24,0	2,5	
569741	M 16	17,0	30,0	3,0	
56352	M 20	21,0	37,0	3,0	



BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- hammer-head screws (HKS) with nut

in galvanized and Stainless steel

for anchor rails 40/22 and 40/25
Please order washers separately if required.
ETA approval for anchor rails with screws:
https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf

Profile	Thread x length mm	Galvanised 8.8		PU	V4A-70		PU
40/22 - 40/25		Item no.	Price €/100 pieces		Item no.	Price €/100 pieces	
	M10 x 20	56190-59	115,00	100			
	M10 x 30	56190-60	117,00	100	56190-60A4	1959,00	25
	M10 x 40	56190-61	122,00	100	56190-61A4	2002,00	25
	M10 x 50	56190-62	124,00	100	56190-62A4	2080,00	25
	M10 x 60	56190-63	137,00	100			
	M10 x 80	56190-64	323,00	50			
	M10 x 100	56190-65	377,00	50			
	M12 x 20	56190-66	143,00	100			
	M12 x 30	56190-67	144,00	100	56190-67A4	1323,00	25
	M12 x 40	56191-4	146,00	50	56191-4A4	1465,00	25
	M12 x 50	56190-4	154,00	50	56190-4A4	1592,00	25
	M12 x 60	56190-68	161,00	50			
	M12 x 80	56190-69	198,00	50	56190-69A4	1843,00	25
	M12 x 100	56190-70	222,00	50	56190-70A4	2031,00	10
	M12 x 125	56190-71	302,00	50			
	M12 x 150	56190-72	412,00	50	56190-72A4	2869,00	10
	M12 x 200	56190-73	460,00	25			
	M16 x 30	56190-74	195,00	50	56190-74A4	1496,00	25
	M16 x 40	56191-3	207,00	50	56191-3A4	1603,00	25
	M16 x 50	56190-3	222,00	50	56190-3A4	1736,00	25
	M16 x 60	56190-75	226,00	25	56190-75A4	1811,00	25
	M16 x 70	56191-12	246,00	25			
	M16 x 80	56190-76	265,00	25	56190-76A4	1964,00	25
	M16 x 100	56190-77	323,00	25	56190-77A4	2482,00	10
	M16 x 125	56190-78	384,00	25			
	M16 x 150	56190-79	486,00	25	56190-79A4	3253,00	10
	M16 x 200	56190-80	624,00	25	56190-80A4	3999,00	10
	M16 x 250	56190-81	692,00	25			
	M16 x 300	56190-82	839,00	25			

Washers in accordance with DIN 125, Galvanised



Item no.	for Screw	Ø inside mm	Ø outside mm	Thickness mm	Price €/100 pieces
562151	M 6	6,4	12,0	1,6	
56355	M 8	8,4	16,0	1,6	
56203	M10	10,5	20,0	2,0	
56946	M 12	13,0	24,0	2,5	
569741	M 16	17,0	30,0	3,0	
56352	M 20	21,0	37,0	3,0	

BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- hammer-head screws (HKS) with nut

in galvanized and Stainless steel
for anchor rails 49/30, 50/30, and 52/34
Please order washers separately if required.
ETA approval for anchor rails with screws: https://www.bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf

Profile	Thread x length mm	Galvanised 8.8		PU	V4A-70		PU
49/30 - 50/30 - 52/34		Item no.	Price €/100 pieces		Item no.	Price €/100 pieces	
	M10 x 30	56190-83	245,00	100			
	M10 x 40	56190-84	245,00	100			
	M10 x 50	56190-85	248,00	100			
	M12 x 30	56190-86	209,00	100	56190-86A4	1528,00	25
	M12 x 40	56191-9	215,00	50	56191-9A4	1543,00	25
	M12 x 50	56190-87	224,00	50	56190-87A4	1673,00	25
	M12 x 60	56190-88	232,00	50			
	M12 x 80	56190-89	263,00	50			
	M12 x 100	56191-7	323,00	50	56191-7A4	2516,00	25
	M12 x 125	56190-90	482,00	50			
	M12 x 150	56190-91	570,00	50			
	M12 x 200	56190-92	776,00	25			
	M16 x 30	56190-93	252,00	50	56190-93A4	2444,00	25
	M16 x 40	56190-5	258,00	50	56190-5A4	2698,00	25
	M16 x 50	56190-94	271,00	50	56190-94A4	2875,00	25
	M16 x 60	56190-95	278,00	25	56190-95A4	2924,00	25
	M16 x 80	56190-96	317,00	25	56190-96A4	3632,00	10
	M16 x 100	56191-8	375,00	25			
	M16 x 125	56190-97	482,00	25			
	M16 x 150	56190-98	547,00	25	56190-98A4	4337,00	10
	M16 x 200	56190-99	661,00	25			
	M16 x 300	56190-100	930,00	25			
	M20 x 35	56190-101	319,00	25			
	M20 x 45	56190-102	323,00	25	56190-102A4	2924,00	25
	M20 x 55	56190-103	343,00	25	56190-103A4	3141,00	25
	M20 x 65	56190-104	354,00	25			
	M20 x 75	56190-105	375,00	25	56190-105A4	3583,00	25
	M20 x 100	56190-106	434,00	25	56190-106A4	3640,00	10
	M20 x 125	56190-107	577,00	25	56190-107A4	4426,00	10
	M20 x 150	56190-108	670,00	25	56190-108A4	5059,00	10
	M20 x 200	56190-109	861,00	10			
	M20 x 300	56190-110	1134,00	10			

Washers in accordance with DIN 125, Galvanised

Item no.	for Screw	Ø inside mm	Ø outside mm	Thickness mm	Price €/100 pieces
562151	M 6	6,4	12,0	1,6	
56355	M 8	8,4	16,0	1,6	
56203	M10	10,5	20,0	2,0	
56946	M 12	13,0	24,0	2,5	
569741	M 16	17,0	30,0	3,0	
56352	M 20	21,0	37,0	3,0	

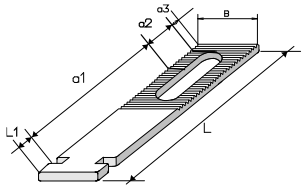


BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- toothed anchor (ZA) / connecting lugs

The BGW- tooth anchors/tooth retaining anchors (anchoring straps) in conjunction with the BGW counterplate, serve in combination with the BGW anchor rail, e.g. for the permanent and secure fastening of precast concrete elements. The 2 mm milled interlocking grooves in the anchor and the counter plate, tightening the fastening screw using the tooth retention anchor and the counter plate, a slip-free, form-fitting positional security.
Anchor rails of sizes 28/15, 38/17, 40/25, 49/30, 40/22, and 50/30 can be used.
Version: Galvanised or V4A stainless steel

Other lengths and widths are available on request.



Tooth anchor for Anchor rails Load level 3.5 kN,
Galvanised / Stainless steel V4A (1.4571)
Anchor rail profile 28/15
incl. toothed disc/counterplate 25 x 25 x 6 mm

Profile	Load level Tension/kN	Item no. Galvanised	Item no. Stainless steel V4A 1.4571	Length L mm	Width b [mm]	Slotted holes b x l mm	Thickness mm	a 1 mm	Price galvanised €/piece	Price, stainless steel 1.4571 €/piece
28/15	3,5	7150	7153	95	25	11 x 55	6	42	7,00	13,00
		7149	7152	100	25	11 x 55	6	47	7,03	13,00
		7154	7155	110	25	11 x 55	6	57	7,05	13,10
		7156	7157	120	25	11 x 55	6	67	7,10	13,20
		7158	7159	130	25	11 x 55	6	77	7,15	13,25
		7160	7161	140	25	11 x 55	6	87	7,20	13,45
		7162	7163	150	25	11 x 55	6	97	7,25	13,65
		7164	7165	160	25	11 x 55	6	107	7,30	13,90
		7166	7167	170	25	11 x 55	6	117	7,35	14,00
		7168	7169	180	25	11 x 55	6	127	7,40	14,15
		7170	7171	190	25	11 x 55	6	137	7,45	14,35
		7172	7173	200	25	11 x 55	6	147	7,50	14,55
		7174	7175	210	25	11 x 55	6	157	7,55	14,75
		7176	7177	220	25	11 x 55	6	167	7,60	14,85
		7178	7179	230	25	11 x 55	6	177	7,65	15,00
		7180	7181	240	25	11 x 55	6	187	7,70	15,15
		7182	7185	250	25	11 x 55	6	197	7,75	15,30

Anchor rail 40/25
= 40/25 Halfen rails = 40/25 Jordahl

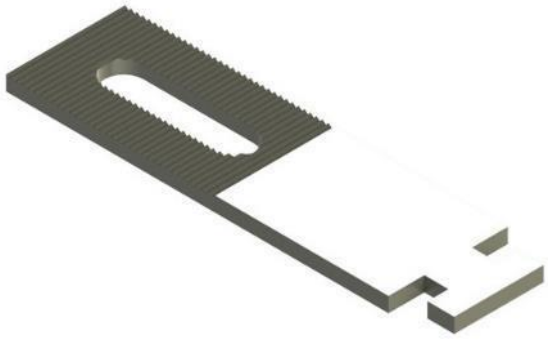
Anchor rails 49/30
= 49/30 Halfen channels = 50/30 Jordahl

BGW- toothed anchor (ZA) / connecting lugs

Tooth anchors for Anchor rails load level 7.0 kN,
Galvanised / Stainless steel V4A (1.4571)
Anchor rail profile 38/17
Includes toothed disc/counter plate 30 x 30 x 6 mm

Profile	Load level Tension/kN	Item no. Galvanised	Item no. Stainless steel V4A 1.4571	Length L mm	Width b [mm]	Slotted holes b x l [mm]	Thickness mm	a 1 mm	Price galvanised €/piece	Price, stainless steel 1.4571 €/piece
38/17	7,0	7100	7101	95	30	13 x 50	6	40	8,00	15,00
		7102	7103	100	30	13 x 50	6	45	8,00	15,00
		7104	7105	110	30	13 x 50	6	55	8,05	15,05
		7106	7107	120	30	13 x 50	6	65	8,10	15,10
		7108	7109	130	30	13 x 50	6	75	8,15	15,15
		7110	7111	140	30	13 x 50	6	85	8,20	15,20
		7060	7061	145	30	13 x 50	6	90	8,23	15,23
		7112	7113	150	30	13 x 50	6	95	8,25	15,25
		7114	7115	160	30	13 x 50	6	105	8,30	15,30
		7116	7117	170	30	13 x 50	6	115	8,35	15,35
		7118	7119	180	30	13 x 50	6	125	8,40	15,40
		7120	7121	190	30	13 x 50	6	135	8,45	15,45
		7122	7223	200	30	13 x 50	6	150	8,50	15,50
		7124	7125	210	30	13 x 50	6	155	8,55	15,55
		7126	7127	220	30	13 x 50	6	165	8,65	15,65
		7128	7129	230	30	13 x 50	6	175	8,70	15,70
		7130	7131	240	30	13 x 50	6	185	8,75	15,75
		7132	7183	250	30	13 x 50	6	200	8,80	15,80
		7123	7240	280	30	13 x 50	6	225	8,90	15,90
		7133	7134	300	30	13 x 50	6	250	9,15	16,15
		7241	7242	325	30	13 x 50	6	275	9,40	16,40
		7243	7244	350	30	13 x 50	6	300	9,75	16,75

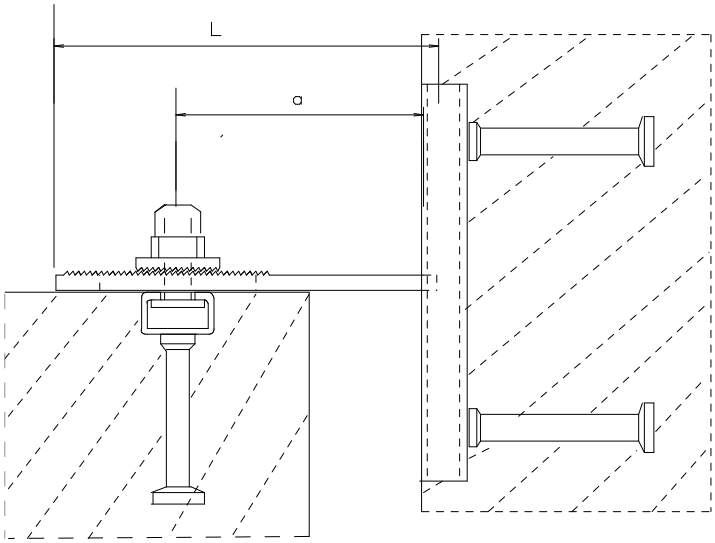
Other lengths and widths are available on request.



Anchor rail 40/25
= 40/25 Halfen rails = 40/25 Jordahl

Anchor rails 49/30
= 49/30 Halfen rails = 50/30 Jordahl

BGW- toothed anchor (ZA) / connecting lugs



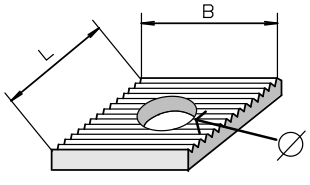
Tooth anchors for Anchor rails Load level 8.0 kN, Galvanised
Anchor rail profile 40/22, 40/25

Incl. toothed washer/counter plate 40 x 40 x 6 mm

Profile	Load level Tension/kN	Item no. Galvanised	Item no. Stainless steel	Length L [mm]	Width b [mm]	Slotted holes b x l [mm]	Thickness mm	a 1 mm	Price galvanised €/piece
38/17	7,0	7100	7101	95	30	13 x 50	6	40	8,00
		7102	7103	100	30	13 x 50	6	45	8,00
		7104	7105	110	30	13 x 50	6	55	8,05
		7106	7107	120	30	13 x 50	6	65	8,10
		7108	7109	130	30	13 x 50	6	75	8,15
		7110	7111	140	30	13 x 50	6	85	8,20
		7060	7061	145	30	13 x 50	6	90	8,23
		7112	7113	150	30	13 x 50	6	95	8,25
		7114	7115	160	30	13 x 50	6	105	8,30
		7116	7117	170	30	13 x 50	6	115	8,35
		7118	7119	180	30	13 x 50	6	125	8,40
		7120	7121	190	30	13 x 50	6	135	8,45
		7122	7223	200	30	13 x 50	6	150	8,50
		7124	7125	210	30	13 x 50	6	155	8,55
		7126	7127	220	30	13 x 50	6	165	8,65
		7128	7129	230	30	13 x 50	6	175	8,70
		7130	7131	240	30	13 x 50	6	185	8,75

BGW- Counterplate for tooth anchor

For Anchor rails	L x W	Hole	Thickness	Galvanised		Stainless steel V4A	
	mm	Ø mm	mm	Item no.	€/piece	Item no.	€/piece
28/15	25 x 25	11	6	7286	2,00	7293	on
38/17	30 x 30	13	6	7287	3,00	7294	Request
40/22 – 40/25	40 x 40	17	6	7291	4,00	7299	





BGW- VS connecting loop

Made of flexible wire rope. For connecting precast concrete elements in grouting grooves.

Information and data sheet: https://www.bgw-bohr.de/pdf/Connection_Loop_Box_Datasheet.pdf
Test certificate: https://www.bgw-bohr.de/pdf/Test_certificate_Connection_loop_box.pdf

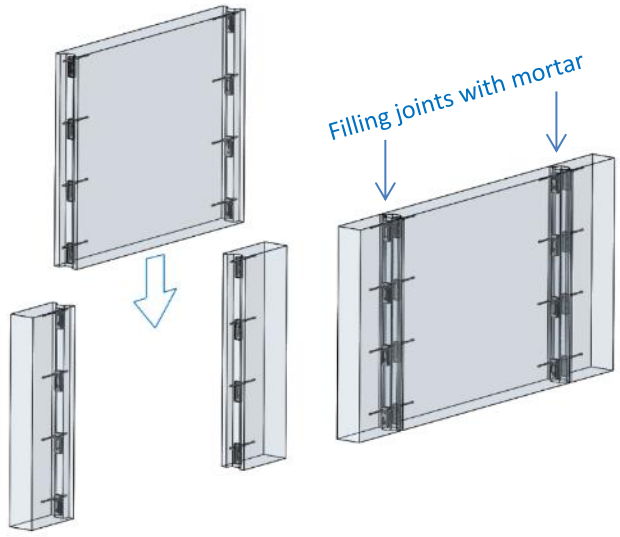


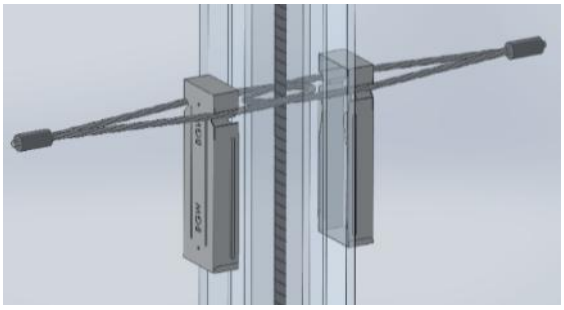
The BGW connecting loop is used to connect precast concrete elements. BGW connecting loops straighten up again after each impact. This means that precast concrete elements can be installed easily and without any problems. It is no longer necessary to bend out connecting elements afterwards. After installation, it is essential to fill the joints with non-shrink mortar to ensure functionality.

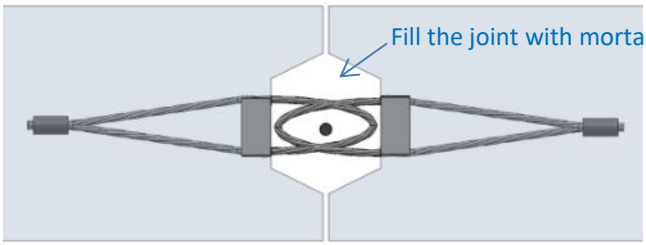
The opening, the eyelet of the BGW connecting loop for the pin used to connect the connecting loops to each other, is wider because the rope guide of the BGW connecting loops is not in the middle of the sheet metal housing, but on the outside of the sheet metal housing and is therefore at least 50 mm wide. The anchoring of the connecting loop in the component is therefore also distributed over a larger area, i.e., at least 50 mm wide.

Advantages

Flexible connecting elements, which means
small grouting joints possible
Secure grouting with flowable and
non-shrink mortar
No complicated "reverse bending" required
Easy planning, as the main reinforcement
does not need to be changed
Anchoring is also possible in thin walls
Special designs available for lightweight concrete
Stable cover also suitable for fastening with magnets
The textured surface ensures
adhesion to concrete
The connecting loop straightens itself out again as an eyelet and fits into the recesses provided
No re-bending by the installer necessary

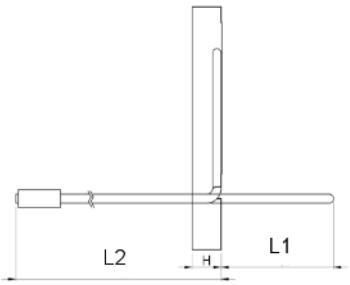






BGW- VS - connecting loop

When installing the connecting loop, the storage box is attached to the formwork element with the closed side. The storage box has two holes for nailing it to the wooden formwork with wire pins.



The storage box could also be attached to the Formwork with HM24 magnets. When installing the precast parts, the storage box is opened and the wire rope loop is pulled out of the storage box until it is at an angle.

The galvanised wire rope DIN 3060 SE of the wire rope loop has a diameter of 6 mm. The strength of the wires is 1770 N/mm² with a Breaking load of approx. 22.7 kN. The connecting loop of the wire rope is protected from concrete ingress in a storage box made of galvanised Steel sheet. This is closed on the open rope loops on the removal side with waterproof adhesive tape.

Key points:

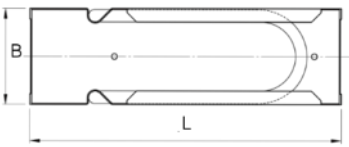
Wire rope DIN 3060 SE Ø 6 mm galvanized. Breaking load 22.7 kN x 2 strands

We cannot make any statements about the concrete and the anchoring of the wire rope loop in the component; the user is responsible for this.

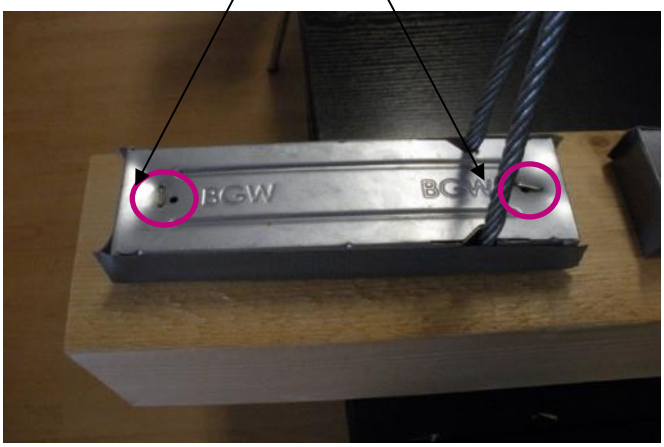




Item no.	L1 mm	L2 mm	H mm	W mm	L mm	Wire rope Ø mm	Weight kg/unit	Price €/piece
4783	80	215	25	50	160	6	0,226	2,05
4781	100	215	25	50	160	6	0,226	2,25
4785	120	215	25	50	160	6	0,226	2,45

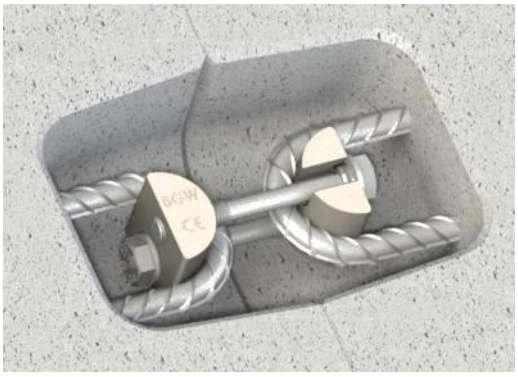


Our connecting loops can be attached to wooden formwork using a pneumatic nailer.
https://www.bgw-bohr.de/video/2020_03_15_Verbindungsschlaufen_Annageln.avi



BGW- U-bolt lock (metallic, permanent connection of components)

Can be used for component thicknesses of up to 50 mm



Link: Static calculations

Link: Assembly video instructions

With the BGW U-bolt, components such as rigid connections for chimneys, precast concrete elements such as walls, wall discs, or concrete pipes can be used on the construction site during assembly to align the components with each other. The U-bolt is an excellent assembly aid. The U-bolt secures the components during installation. The U-lock helps to set up the components; the worker tightens the screws as required using the key available from us. The components arranged in a row (Wall discs, Pipes) are aligned or set up and moved into their final position by carefully tightening the screws of the U-lock and the associated forced movement of the components. Once the U-lock is in place, the component can still slip or shift within the narrow confines of the U-lock, which is not yet closed. When components such as wall discs, concrete pipes, etc. are placed on gravel or concrete and the installed U-locks are tightened until they creak and form a positive connection, the components remain permanently connected to each other as set up. The radius of the half-round lock bodies is adapted to the connecting elements and enables even force distribution on the stirrups. Different distances between the stirrups are compensated for by suitable screw lengths. Once the components have been assembled and the U-lock is no longer needed, it can be removed and reused.

Advantages

- Easier installation Time savings of approx. 50%
- Reusable
- High level of safety thanks to even force distribution between the connecting elements
- Simple and secure fastening
- Detachable screw connection
- Suitable for all stirrup distances
- Wall offset correction and compensation
- Can be used as a form fit and/or expansion joint

To ensure the full load-bearing capacity of the bracket lock:
The screws must be screwed completely into the crescent until they protrude on the opposite side. If it is not possible for the screws used to protrude, other suitable screws must be used.

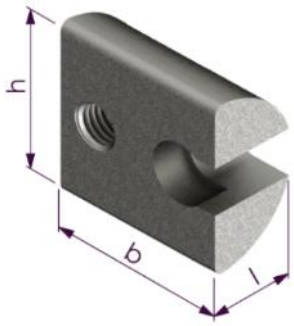
BGW- U-bolt lock, mounting set in bag

(per set: 2 half-round lock bodies and 2 screws (item 562561 M10 x 80 8.8))

Item no.	Material	Price €/piece
44173V	Galvanised	8,80

BGW- Lock body, half-round 40 mm

(two pieces required per U-lock)



Item no.	Material	Length L [mm]	Width b [mm]	Height h mm (half-round)	Weight kg/piece	Price €/piece
Halbmond-V	S355, Galvanised	20	40	40	0,17	3,20

BGW- U-lock screw M10 with centering ring

(two pieces required per U-lock)



Item no.	Material	Length L [mm]	Weight kg/piece	Price €/piece
562561	8.8, Galvanised	80	0,065	0,75
562564	8.8, Galvanised	90	0,070	0,85
562565	8.8, Galvanised	100	0,075	0,95

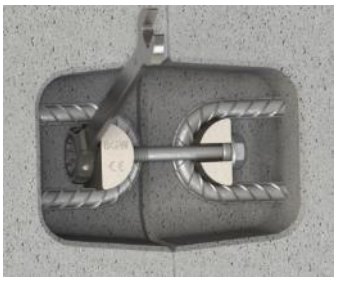
Ratchet wrench SW17

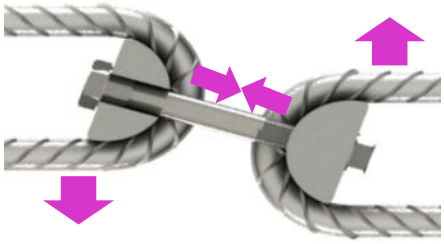
Item no.	Material	Weight kg/piece	Price €/piece
16925	Chrom Vanadium	0,2	35,00



BGW- U-lock (metallic, permanent connection of components)

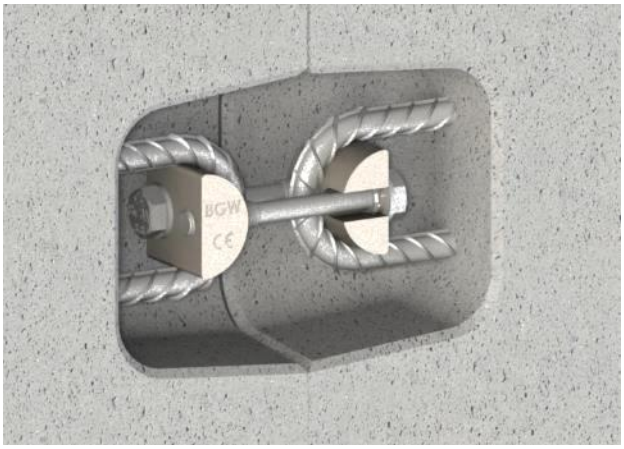
When assembling precast concrete elements, it is possible to partially correct axial misalignment of the walls using the BGW- U-bolt. If an offset is desired or can no longer be corrected, it can be easily compensated for by the semicircles of the stirrups. The entire thread length of the stirrups is used, so that individual threads cannot be torn out. In the event of dimensional deviations or if an offset is to be expected, it is recommended to use flexible wire ropes instead of rigid stirrups.

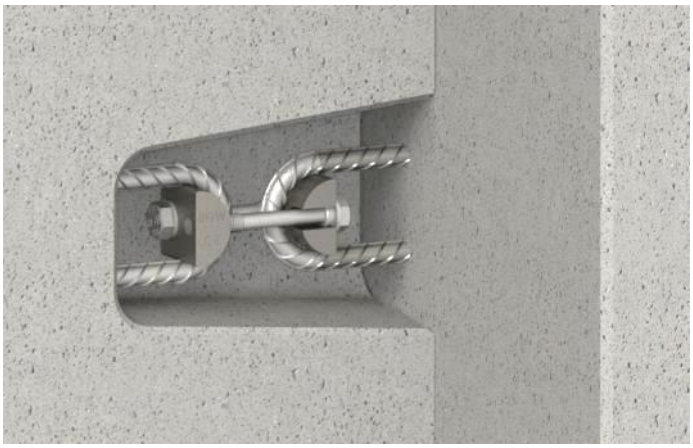




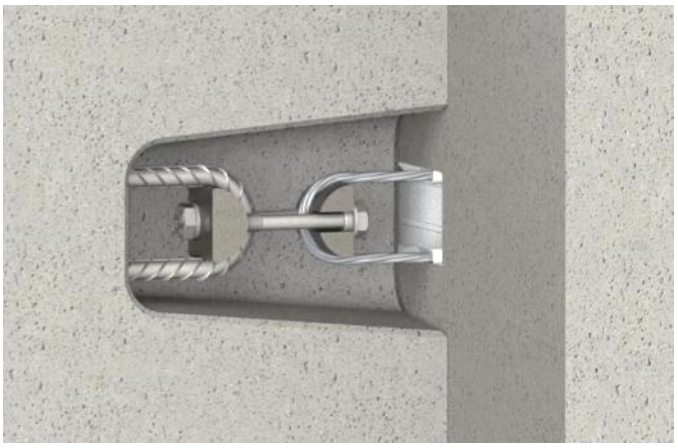
With BGW U-bolts, it is possible to connect the walls at the front or at any angle as a T-butt joint or corner joint.

Straight joint
Axial force transmission up to 6.6 t





T-joint or corner joint
Axial force transmission up to 6.6 t



T-butt joint or corner joint with connecting loop
Axial force transmission up to 4.0 t

Test report for U-lock at:
https://www.bgw-bohr.de/pdf/BGW-Buegelschloss_Bericht.pdf

Photo documentation of bow lock tensile test:
https://www.bgw-bohr.de/pdf/Zugversuch-Buegelschloss.pdf

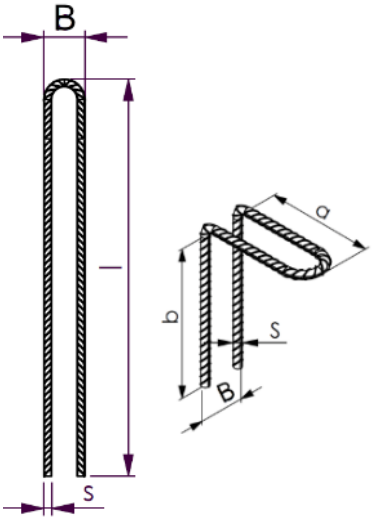
BGW- U-bolt (metallic, permanent connection of components)

The BGW stirrups are embedded in a precast concrete element and are specially adapted to the BGW stirrups.

BGW- Stirrups made of B500B concrete steel

Axial force transmission up to 6.6 t. For concrete classes from C12/15 to C50/60

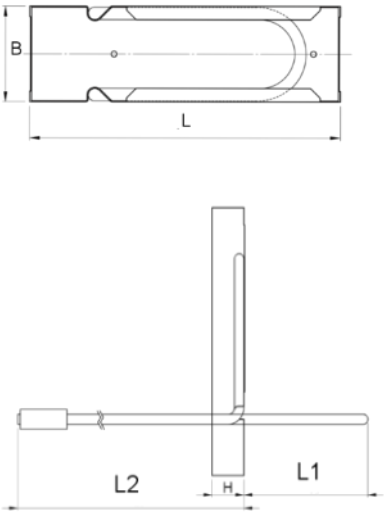
Item no.	Material	Version	Length L [mm]	Width B inside [mm]	Bar Ø s [mm]	Weight kg/piece	Price €/piece
44171	B500B	straight	710	40	10	0,90	2,20
44171V	B500B, Galvanised	straight	710	40	10	0,96	3,16
44172	B500B	Angle 90°	710 (a+b)	40	10	0,90	2,31
44172V	B500B, Galvanised	Angle 90°	710 [a+b)	40	10	0,96	3,27



BGW- connecting loop with wire rope Ø 6 mm, loop length L1 = 80 mm

Axial force transmission up to 4.0 t. The strength of the wires is 1770 N/mm².

Item no.	Length L1 mm	Length L2 mm	Height H mm	Width B [mm]	Length L [mm]	Weight kg/piece	Price €/piece
4783	80	215	25	50	160	0,226	2,05



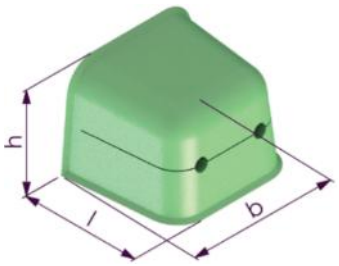


BGW- U- lock recess former and accessories

(A BGW- U-lock recess body is required to fix the stirrups in place before concreting and to create recesses in the precast concrete element for the BGW- U-lock
, a BGW- U-lock recess body is required. The BGW- U-lock recess body
is attached to the formwork together with the BGW- Stirrups before concreting. The
recess body can be folded apart in the middle, making it easy to release from the Stirrups.
If a seal is inserted into a gap between the components to be connected, this can be secured with longer screws or, in the case of series parts, by adjusting the distance between the stirrups with matching retaining plates to the recessed body. BGW U-lock recessed bodies can be adapted to all customer-specific requirements.

BGW- U-lock recess bodies made of PU

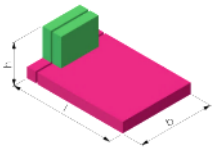
Item no.	Version	Length L [mm]	Width b [mm]	Height h mm	Weight kg/piece	Price €/piece
16921	Straight joint	80	114	63	0,378	25,00
16926	Corner kick	183	124	80	1,290	50,00



BGW- Float made of PU/wood

(Casting template for 90° Stirrups)

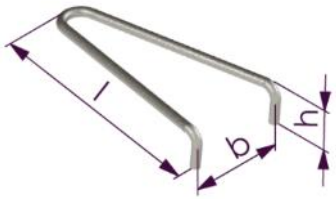
Item no.	Length L [mm]	Width b [mm]	Height h mm	Weight kg/piece	Price €/piece
16927	275	200	110	1,705	57,50



BGW- Gripper for recessed bodies

Tool for easy removal of recessed bodies from the mold

Item no.	Length L [mm]	Width b [mm]	Height h mm	Weight kg/piece	Price €/piece
16924	180	88	35	0,2	25,00

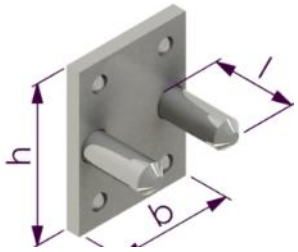


A BGW retaining plate is used to attach BGW U-lock recess bodies to the formwork. Variants are available for nailing to wooden formwork or for magnetic attachment to steel formwork.

BGW recess body retaining plate for wooden formwork

made of steel (fastened with nails)

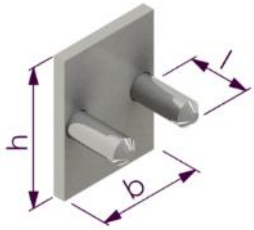
Item no.	Length L [mm]	Width b [mm]	Height h mm	Seal mm	Weight kg/piece	Price €/piece
16922	33	58	43	0	0,1	8,80



BGW- recess body retaining plate for metal formwork

made of steel (fastened with magnets)

Item no.	Length L [mm]	Width b [mm]	Height h mm	Seal mm	Weight kg/piece	Price €/piece
16923	33	58	43	0	0,25	64,00



BGW- Cover for U-lock recess made of fiber-reinforced concrete

This allows closed recesses to be reopened without much effort for subsequent inspection of the connection.

Item no.	for push type	Length L [mm]	Width b [mm]	Height h mm	Weight kg/piece	Price €/piece
16928	Straight joint	9	82	116	0,075	3,95
16929	Straight joint	9	163	116	0,150	4,60
16930	Corner joint	10	180	126	0,170	4,95

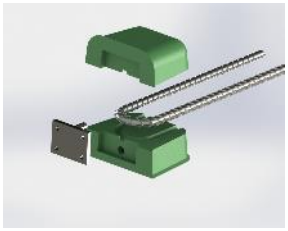


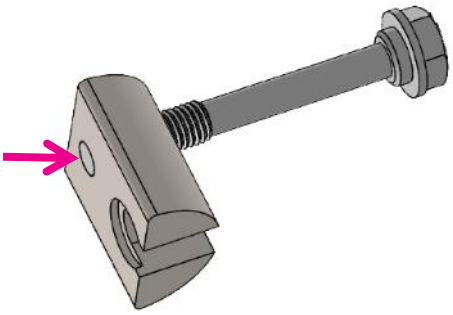
BGW- Sealing wax for screws to detect unauthorized release/turning.

Item no.	Description	Price €/piece
80019-1	Sealing wax	14,50

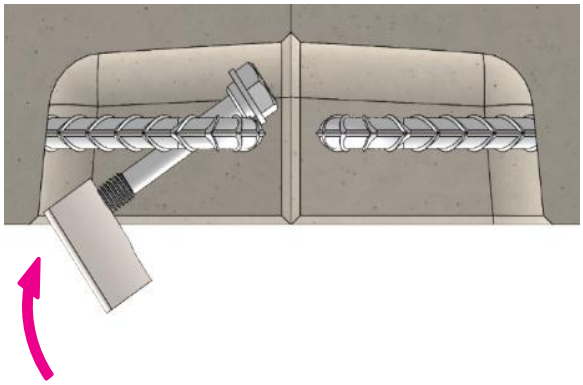


BGW- U-lock - assembly instructions

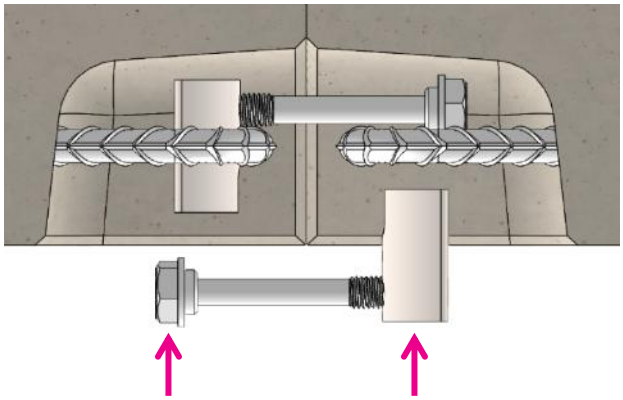




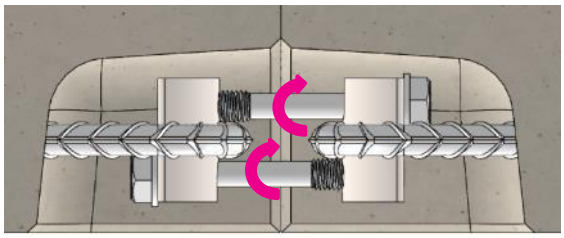
1. Screw the bolts into the lock body



2. Thread the first half of the screw lock behind the stirrups

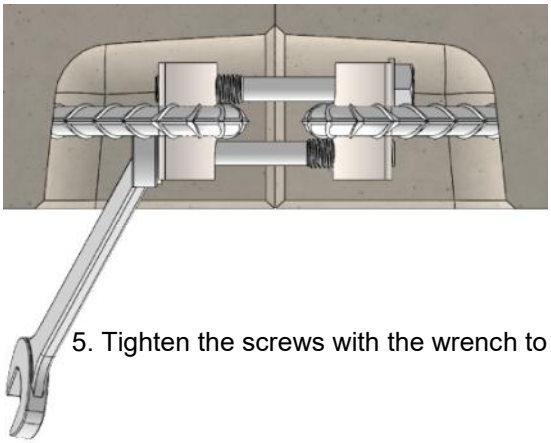


3. Hook the second half of the screw lock into the first



4. Clamp both halves of the screw lock together with your fingers

Assembly video instructions at:
https://www.bgw-bohr.de/video/BGW-buegelschloss.mp4



5. Tighten the screws with the wrench to 40 Nm



Recess body
16921 straight joint

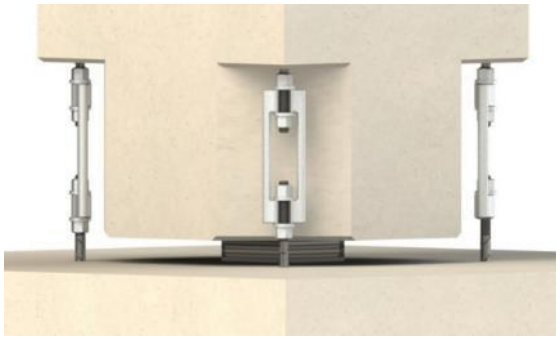
Apply release agent in and on the recessed body before use

Recess body
16926 Corner joint



Light hammer blows on the recess body can make demolding easier

BGW- Anchor lock (metallic, permanent connection of components)



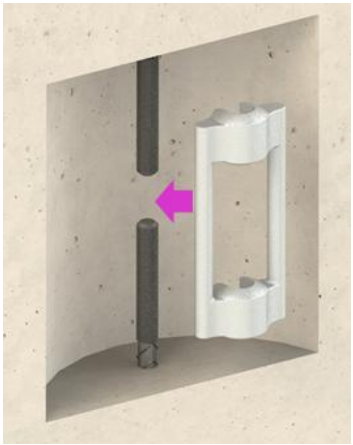
The BGW anchor lock is used to connect components and precast concrete elements that have a threaded part with a connecting device built into the component. Connections with external threads, internal threads, and a combination of external and internal threads of the same load group can be connected to each other. The BGW anchor lock is ideal for creating rigid connections between concrete components and also for building up prestress between precast concrete elements. It can be used to install precast columns, beams, or transoms in building construction. It is also ideal for clamping pipes, shafts, wall discs, angle support walls, walls, and chimney elements together. The design of the connection is simple and does not interfere with the installation of Reinforcement in the precast concrete element. Each anchor lock is flanged on both sides to the built-in anchor rods of the connection. This leeway during the assembly of the components allows some inaccuracies in the connection to be compensated for without the need for reworking. The window in the anchor lock is wide enough to allow the nuts to be tightened easily with a ratchet wrench, etc. The axial force transmission of the anchor lock is limited by the thickness of the anchor rod or by the anchoring installed in the concrete component. The cast steel part of the anchor lock is the strongest link in the screw connection.
Mechanical properties 40Cr+QT Yield strength ≥980MPa Yield strength ≥785MPa Elongation ≥9%

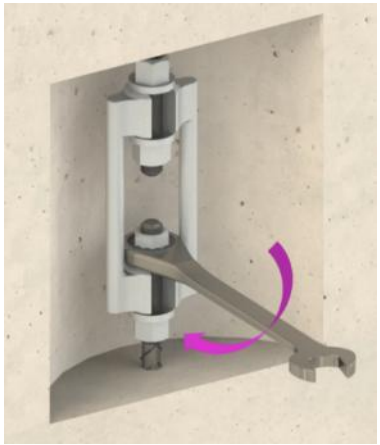
Advantages:

Fastening with preload
Easiest installation
Wall offset correction and compensation
Removable screw connection
Wide range of applications

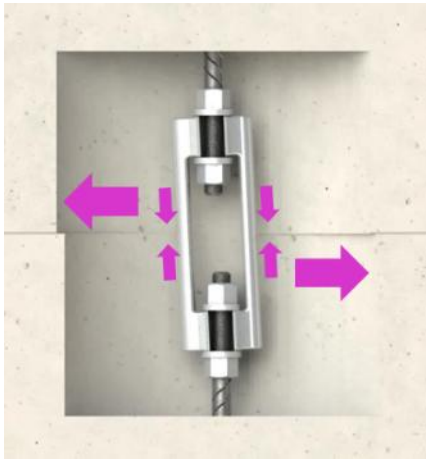


Easy installation

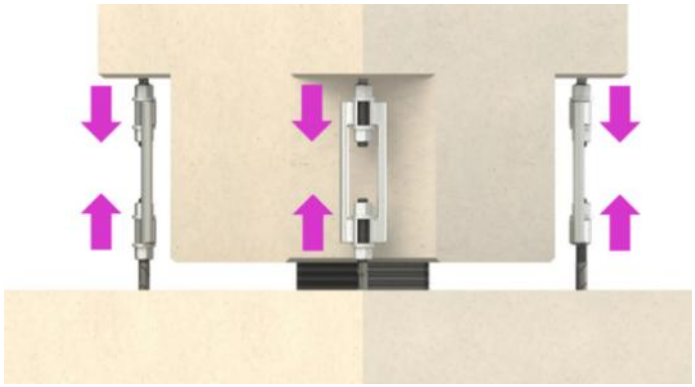




Wall misalignment correction and compensation



Excellent bending stiffness





BGW- Anchor lock (metallic, permanent connection of components)

A reliable, permanent screw connection – especially because it does not require any welded joints.

BGW- Anchor lock, Material 40Cr+QT Galvanised

Item no.	Slot Anchor rod mm	Outer frame mm	Inner frame mm	Columns Ø mm	Weight kg/piece	Breaking load t	Price €/piece
610001	12	135x56	77x36	10	0,350	6,4	5,20
610002	16	155x72	90x48	12	0,620	8,1	9,25
610003	20	190x89	110x57	16	1,320	14,2	19,65
610004	24	225x112	124x74	19	2,430	21	36,10
610005	30	265x128	147x80	24	4,560	32,5	68,00





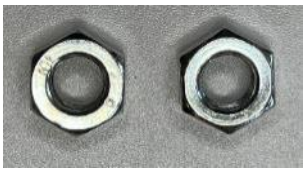
Threaded rod, bare

Item no.	Thread M	D1 Ø mm	D2 Ø mm	Weight kg/piece	PU Pcs	Price €/piece
Gewindestange4	12			0,725		
Gewindestange	16			1,330		
Gewindestange7	20			2,080		
Gewindestange2	24			3,000		
Gewindestange8	30			5,549		



DIN 934 8.8. Hex nut, bare

Item no.	Thread M	D1 Ø mm	D2 Ø mm	Weight kg/piece	PU Pcs	Price €/piece
56261	12	19	10	0,015		
56200	16	23	14	0,029		
56351	20	29	17	0,054		
56202	24	35	20	0,091		
562011	30	45	26	0,180		



Shaped disc

Item no.	Thread M	Outer Ø mm	Inner Ø mm	Thickness mm	Weight kg/piece	PU Pcs	Price €/piece
57261	12	24	13	5	0,009		
57200	16	32	17	5	0,016		
57351	20	37	21	6	0,027		
57202	24	44	25	5	0,030		
572011	30	60	34	7	0,070		



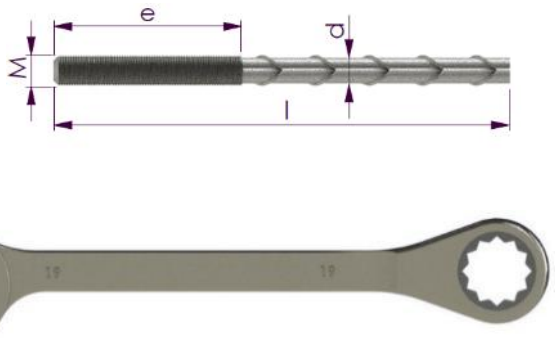
BGW- Anchor lock (metallic, permanent connection of components)

BGW- reinforcement connection

Item no.	Length L [mm]	Nominal Ø d mm	Thread M	PU piece	Weight kg/piece
58261	204	10	12	50	0,145
58200	251	14	16	50	0,320
58351	253	18	20	50	0,515
58202	247	22	24	50	0,728
582011	250	26	30	50	1,155

Ratchet wrench SW

Item no.	Material	Weight kg/piece	Price €/piece
16925-16	Chrom Vanadium		
16925-19	Chrom Vanadium	0,300	37,00
16925-20	Chrom Vanadium		
16925-24	Chrom Vanadium		
16925-30	Chrom Vanadium		



BGW- Anchor lock recess former

A BGW- anchor lock recess former is required to create recesses in the precast concrete element for the BGW anchor lock. The BGW anchor lock recess former is attached to the formwork together with the BGW reinforcement connection before concreting. The recess former can be folded apart in the middle, making it easy to remove.

BGW Anchor Lock ASK

Item no.	Nominal Ø	Height h	l	b	Weight	Quantity	Price piece
610011	12	135	90	48	0,7kg	4	21€
610012	16	155	120	61	1,4kg	4	42€
610013	20	190	145	74	2,5kg	4	75€
610014	24	225	195	96	5,10kg	4	153€
610015	30	270	215	107	7,50kg	4	225€

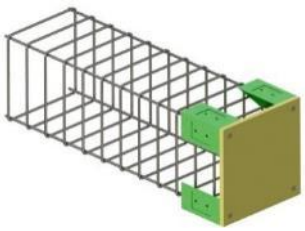
BGW- Turnbuckle recess body

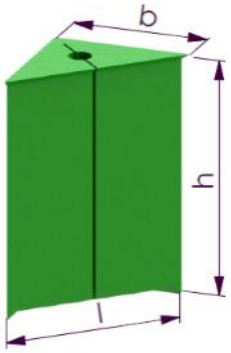
Item no.	Length L [mm]	Width b [mm]	Height h mm	Weight kg/piece	Price €/piece
16926	117	166	177	1,2	25,00

BGW- Positioning template for recessed bodies

Item no.	Length L [mm]	Width b [mm]	Height h mm	Weight kg/piece	Price €/piece
16927	On request				





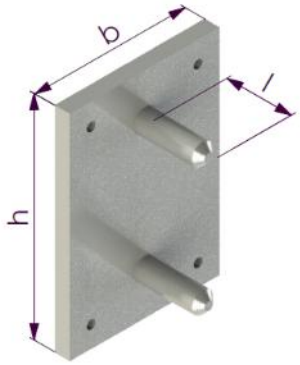


BGW- Anchor lock recess former

A BGW retaining plate is used to attach the BGW anchor lock recess former to the formwork. Variants are available for nailing to wooden formwork or for magnetic attachment to steel formwork.

BGW- recess body retaining plate for wooden formwork

(fastening with nails)



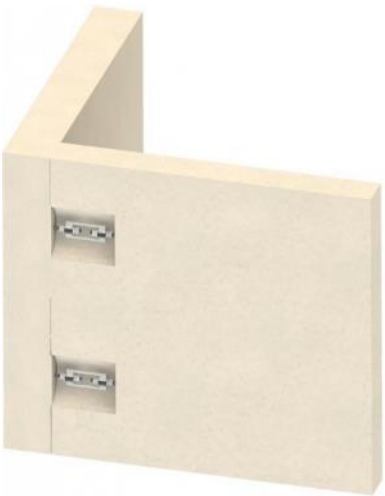
Item no.	Length L [mm]	Width b [mm]	Height h mm	Weight kg/piece	Price €/piece
16928	30	70	100	0,25	8,80

BGW- recess body retaining plate for metal formwork

(fastened with magnets)

Item no.	Length L [mm]	Width b [mm]	Height h mm	Weight kg/piece	Price €/piece
16929	30	70	100	0,25	64,00





BGW- installation package or “all in one bucket”

Many different additional items are required when assembling precast concrete elements. These include shims for leveling, brackets for connecting the individual elements, hammer anchors, screws, and the appropriate dowels. Ensuring that all parts are available in sufficient quantities requires a great deal of logistical effort. Nevertheless, there is a high risk that missing small parts will generate unnecessary costs due to construction delays.
We offer to deliver packages tailored to your individual needs at fixed conditions.

Features of the BGW assembly package:

Customized composition according to your specifications
labeled containers with customer logo (e.g., plastic buckets)
Delivery together with advertising materials (folding rule, brochures, instructions for use)
On-time delivery of predefined quantities
Short-term delivery thanks to pre-production

Your advantages:

Calculation: Manageable and transparent costs
Customer service: Additional aids can be supplied at any time at a fixed price
Time savings: Individual parts do not have to be procured separately
Logistics are greatly simplified, and the required materials are reliably available on site
Safety: Wall assembly using predefined work steps, suitable assembly materials, and clear instructions for use
Warranty: clear definition through assembly instructions

Possible contents of the assembly package:

Assembly brackets
Plastic washers
Hammer-in anchors
Screws with matching plastic dowels
Folding rule
Installation instructions
Innovation: using stone screws instead of dowels
We would be happy to provide you with a quote for your individual assembly packages



Contents (example 1): Assembly package for element walls Item no. 5094

Item no.	Description	Dimensions	Quantity
5087	Mounting plate	70x70x2	30
5090	Mounting plate	70x70x5	20
5091	Mounting plate	70x70x10	30
5093	Mounting plate	70x70x20	35
56374	Lightning anchor, Galvanised	M12 x 110	30
56307	Screws DIN 571	8,0 x40	50
56273	Screws DIN 571	12,0 x 70	30
56308	Washer DIN 9021, galvanized	8,4 x 24	50
56309	Washer DIN 9021, galvanized.	13,0 x 40	60
0518 200x260	Mounting bracket	200x260x25x1	25



Contents (example 2): Assembly package for element walls Item no. 5094-5

Item no.	Description	Dimensions	Quantity
5087	Mounting plate	70x70x2	40
5088	Mounting plates	70x70x3	40
5090	Mounting plates	70x70x5	40
5091	Mounting plates	70x70x10	40
5093	Mounting plates	70x70x20	40
561781	Screws Din 571	12,0x80	60
56309	Washers DIN 9021 verz	13x40	60
562826	Plastic dowels	14x70	55
0518 230x190	Mounting corner bracket	230x190x50x5	8
562828	Folding rule		1
	Assembly instructions		1
562830	PVC bucket 18L		1
562829	Carpenter's pencil		1



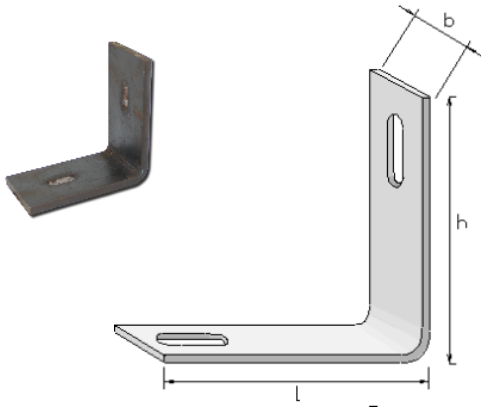
Prices available on request!

BGW- installation brackets (MW) & installation packages

BGW- Mounting bracket (MW)
For precast concrete elements (e.g., element walls, light wells)

Excerpt from our product list:

Item no.	l mm	h mm	b mm	Material d mm	Price €/piece
0518 70x70x7	70	70	35	7	on request
0518 100x100x8	100	100	60	8	
0518 150x75x8M	150	75	60	8	
0518 150x70x10	150	100	70	10	
0518 180x100x10	180	100	100	10	
0518 200x50x5	200	200	50	5	
0518 230x190	230	190	50	5	
0518 300x300x5	300	300	60	5	
0518 465x60x5	465	465	60	5	



Available with various hole patterns (e.g., slotted holes).
We would be happy to provide you with a quote for your specific application.

BGW- Assembly packages

For quick assembly of precast concrete elements on the construction site

Contents (example): Assembly package for element walls Item no. 5094

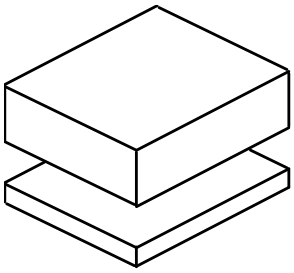
Item no.	Description	Dimensions	Quantity
5087	Mounting plate	70x70x2	30
5090	Mounting plate	70x70x5	20
5091	Mounting plate	70x70x10	30
5093	Mounting plate	70x70x20	35
56374	Lightning anchor, Galvanised	M12 x 110	30
56307	Screws DIN 571	8,0 x40	50
56273	Screws DIN 571	12,0 x 70	30
56308	Washer DIN 9021, galvanized	8,4 x 24	50
56309	Washer DIN 9021, galvanized.	13,0 x 40	60
0518 200x260	Mounting bracket	200x260x25x1	25



Prices available on request!

BGW- Plastic mounting plates (impact and shatter resistant)

Item no.	l mm	b mm	h mm	Price €/1000 pieces
5087	70	70	2	64,40
5088	70	70	3	75,20
5090	70	70	5	143,80
5085	70	70	7	299,00
5089	70	70	8	348,40
5095	70	70	9	377,80
5091	70	70	10	295,40
5092	70	70	15	784,80
5093	70	70	20	904,60



BGW bohr GmbH GERMAN QUALITY SINCE 1986

Order form BGW- mounting bracket (MW)

The mounting brackets are available with different hole patterns:

Please check the desired hole pattern

	Hole pattern
☐	with round holes
☐	with round holes and slotted holes
☐	with slotted holes
☐	with slanted slotted holes
☐	with oblique slotted holes and round holes

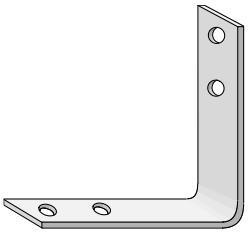
available in the following versions (Material):

Please tick the appropriate box

	Versions	Our offer for you - Price €
☐	Made from flat steel, curved	
☐	Made from hot-rolled angle steel/sharp-edged	
☐	Bare	
☐	Electrogalvanised	
☐	Hot-dip galvanised	
☐	Stainless steel	

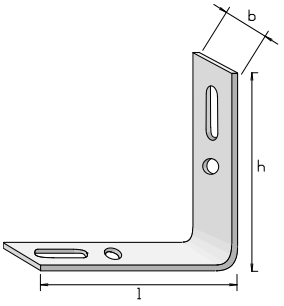
Please enter the required quantity

Item no.	l mm	h mm	b mm	Material d mm	Quantity
0518 70x70x7	70	70	35	7	
0518 100x100x8	100	100	60	8	
0518 150x75 x8M	150	75	60	8	
0518 150x70x10	150	100	70	10	
0518 180x100x10	180	100	100	10	
0518 200x50x5	200	200	50	5	
0518 230x190	230	190	50	5	
0518 300x300x5	300	300	60	5	
0518 465x60x5	465	465	60	5	

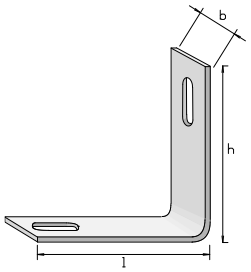


Round holes

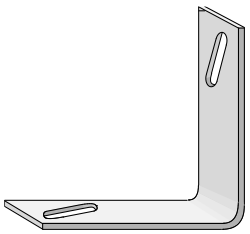
Round holes and slotted holes



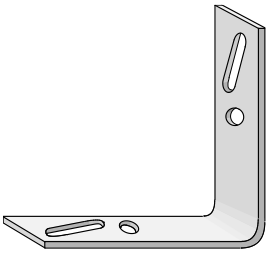
Slotted holes



Slotted holes at an angle



Slotted holes and round holes



The quantity of holes is variable; tailored to your specific application

Examples:

Angle:	Hole pattern:	Quantity of holes:
0518 70x70x35/7	Round holes	2 on each side
0518 70x70x35/7	Slotted holes	1 on each side
0518 70x70x35/7	Round hole/slotted holes	1 on each side
0518 230x190x50/5	Round holes	3 on each side
0518 230x190x50/5	Angled holes/round holes	1 slanted hole and 2 round holes on each side

Please send us a sketch with your inquiry/order.

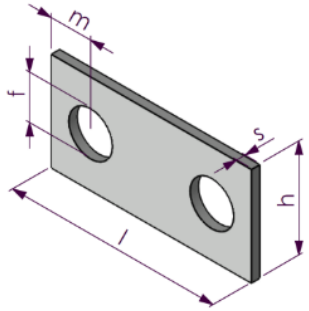


BGW bohr GmbH GERMAN QUALITY SINCE 1986

BGW- Mounting bracket (MW)

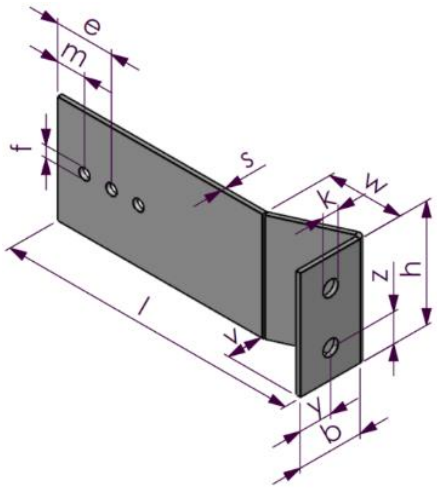
BGW mounting brackets are used in steel construction. They are ideal for fastening steel profiles in hall construction or other steel structures. BGW mounting brackets are made of Hot-dip galvanised steel and are available in various versions.

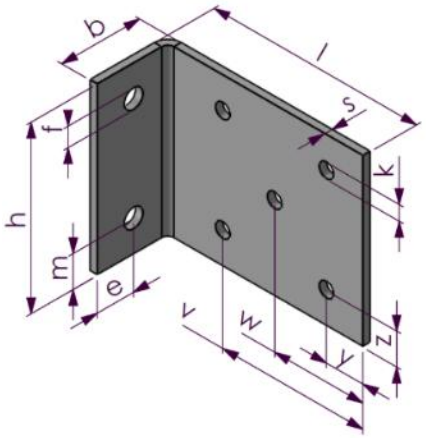
Item no.	Material	L [mm]	h mm	s [mm]	f mm	m mm	Weight kg/piece	Price €/piece
0518 142x70x6	Steel	142	70	6	31	28	0,40	1,38
0518 142x70x6-V	Steel, Galvanised	142	70	6	31	28	0,42	2,96



Item no.	Material	L [mm]	b [mm]	h mm	s [mm]	f mm	k mm	m mm	z mm	Weight kg/piece	Price €/piece
0518 190x60x6	Steel	190	60	60	6	11	30	15	95	0,99	3,96
0518 190x60x6-V	Galvanised steel	190	60	60	6	11	30	15	95	1,06	8,07

Item no.	Material	L [mm]	b [mm]	h mm	s [mm]	f mm	m mm	e mm	k mm	z mm	y mm	w mm	v mm	Weight kg/piece	Price €/piece
0518 255x100x4	Steel	255	60	100	4	10	25	50	14	26	28	65	30	0,97	3,88
0518 255x100x4-V	Steel, Galvanised	255	60	100	4	10	25	50	14	26	28	65	30	1,04	7,92



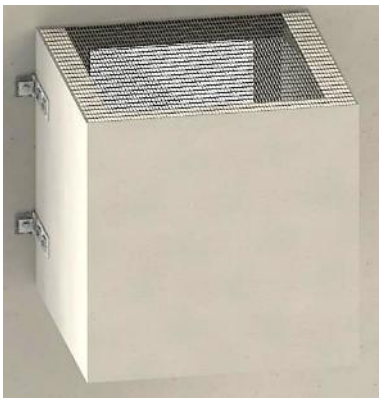


Item no.	Material	L [mm]	b [mm]	h mm	s [mm]	f mm	m mm	e mm	k mm	z mm	y mm	w mm	v mm	Weight kg/piece	Price €/piece
0518 195x160x7	Steel	195	75	160	7	18	30	35	14	30	35	85	135	2,19	8,77
0518 195x160x7-V	Steel, Galvanised	195	75	160	7	18	30	35	14	30	35	85	135	2,34	17,82

Further dimensions available on request!

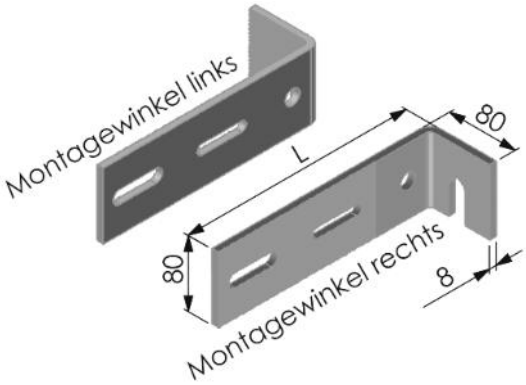
BGW- mounting bracket (MW) with surface serration

A BGW mounting bracket is used to screw components together. The interlocking between the mounting bracket and the shim plate prevents the screwed-together components from shifting. Even if the screws are partially loosened, the components remain fixed in place thanks to the interlocking. A good example of the use of BGW mounting brackets is in light wells for basement windows. Light wells secured with BGW mounting brackets are held securely in place against uplift during flooding or earth movements.

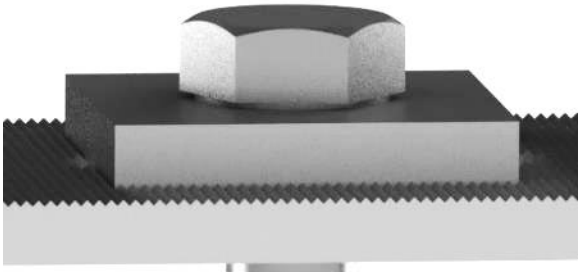


Advantages

Positioning security despite flooding, landslides, or earthquakes.
Secure fastening thanks to tooth profile, even with partially loosened screws







BGW mounting brackets made of S235JR Galvanised (left/right)

Item no.	Design	Color	Length	Weight	Price
		Surface	L [mm]	kg	€/piece
0518 265x80x8ZVL	links	gold	265	1,4	6,50
0518 265x80x8ZVR	rechts	blau	265	1,4	6,50



BGW- Mounting bracket made of stainless steel V2A/V4A (left/right)

Item no.	Version	Color	Length	Material	Weight	Price
		Surface	L [mm]		kg	€/piece
0518 265x80x8ZLE	left	gold	265	V2A	1,4	26,50
0518 265x80x8ZRE	right	blue	265	V2A	1,4	26,50
0518 265x80x8ZLEE	left	gold	265	V4A	1,4	33,50
0518 265x80x8ZREE	right	blue	265	V4A	1,4	33,50

BGW- Tooth disc

Item no.	Material	Dimensions lxbxh mm	Price €/piece
7291	S235, Galvanised	40x40x6	1,98
7299	V4A	40x40x6	3,01

Screw M16

Item no.	Material	Length L [mm]	PU	Price €/piece
			piece	
562434	S235, Galvanised	35	100	0,28
562434EE	V4A	35	100	3,70

BGW- Cord nail, cord iron, ground nail

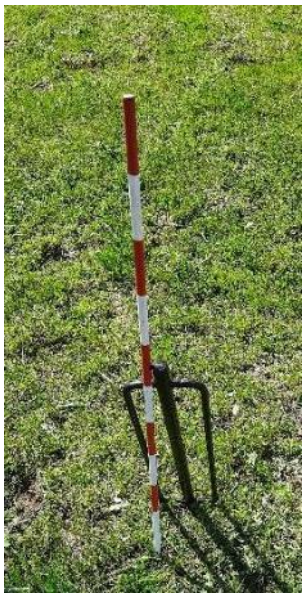
String nails, string iron, for tensioning a string, etc., between which string nails are easily driven into the ground with a hand rammer. Thanks to the tip, these are easy to drive into the ground. The string nails are driven in to attach barrier tape to demarcate a building site, lawn, garden, animal paddock, or to protect against people entering. They can also be used in road construction to mark curves in the future course of the road. The string nail is an ideal accessory for tensioning a string, for holding, for attaching information tapes, barrier tapes on temporary meadow parking lots, or for attaching information signs.

Bare string iron

Item no.	Name	Ø	Length/m	Weight kg	PU	Price/piece €
EN121000	string nail	Ø 12	1.0	0.888	10 pieces	2.70
EN141000	string nail	Ø 14	1.0	1.21	10 pieces	3.60
EN161000	string nail	Ø 16	1.0	1.58	10 pieces	4.70
EN1615000	string nail	Ø 16	1.5	2.37	10 pieces	5.50
EN181000	string nail	Ø 18	1.20	1.90	10 pieces	5.65
EN201000	string nail	Ø 20	1.20	2.97	10 pieces	8.85

Other lengths available on request.





Hand rammer

Height	Width	Weight kg	Price €/piece
700	18	5	55





BGW- chimney bracket (chimney anchor)

Chimney brackets must be installed for safety, reinforcement and to prevent the chimney from collapsing after the final clamping in the top concrete ceiling, in the roof space and in the chimney roof overhang..

Installation of the chimney bracket

Slide 2 casing stone brackets onto each threaded rod with the rubberized side facing inwards. Slide 2 washers onto each side and screw on 2 nuts. The casing stone brackets must be fastened to the chimney using the nuts and washers so that they fit snugly. The threaded rods must rest on both rafters to the right and left of the chimney.

Screw one nut onto each end of the threaded rods until it reaches the middle of the rafters. Slide one washer and one rafter bracket onto each side. Secure the rafter brackets with additional washers and nuts.

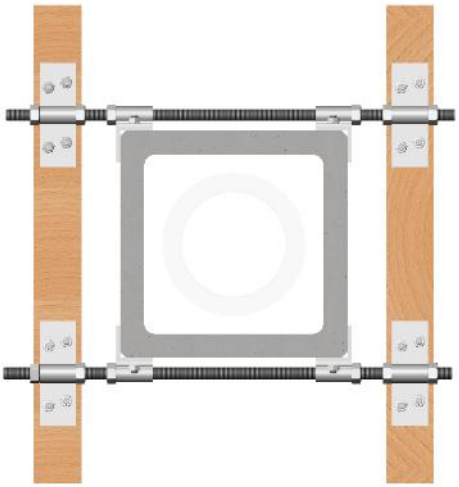
The casing stone brackets must now fit snugly against the mantel stone before the rafter brackets are permanently attached to the rafters.

To create preload at this point on the chimney, the threaded rods can be pre-tensioned using a ratchet strap. Then screw the wood screws into the rafters.

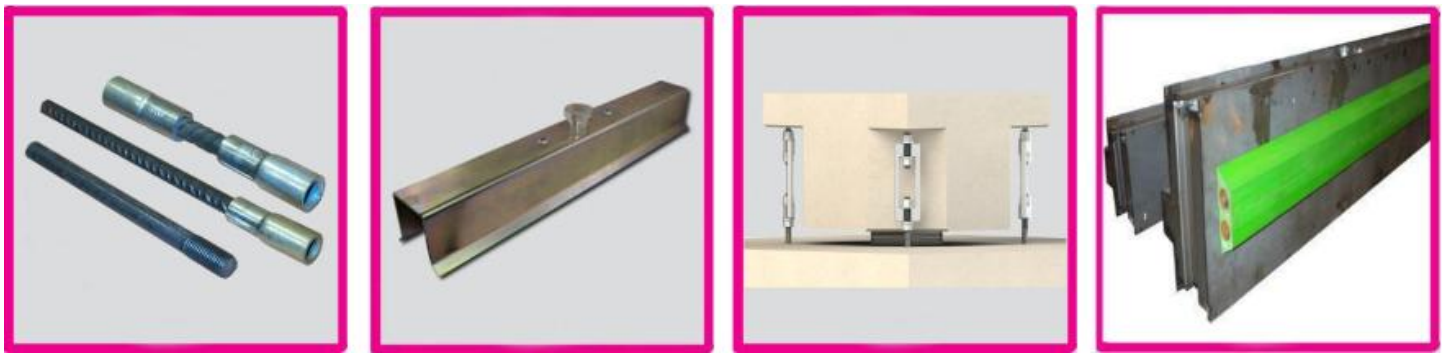


Chimney bracket set:

- 2 threaded rods M20 x 1250 mm 8.8
- 4 casing stone brackets: Clamping angle 200x50x50x5mm with welded Pipe sleeve Ø 26.7 x 80 mm, Galvanised, for M20 threaded rods, angle fully covered with foam rubber on the inside (sound insulation).
- 4 "rafter brackets": flat steel 200x50x6 mm with Ø 9 mm holes, with welded Pipe sleeve Ø 26.7 x 80 mm for guiding the M20 Threaded rods, Galvanised
- 8 M8 x 80 DIN 571 wood screws, Galvanised
- 12 hex nuts M20 DIN 934, Galvanised
- 12 pieces of washers for M20 DIN 125, Galvanised





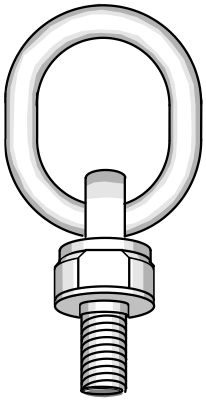


BGW – Instructions and information

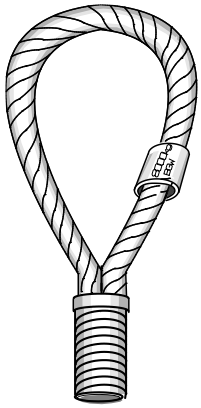
bohr GmbH
GERMAN QUALITY
SINCE 1986

Installation instructions for BGW – anchors with data head

Installation instructions – details



**Sling swivels for diagonal and transverse pull.
Grease the threaded part well.**



Rope loop for diagonal pull up to 45°. Screw the rope loop into the sleeve until it reaches the bottom. Grease the threaded part well.

**The connection to the formwork is made using screws or plastic retaining discs.
Use sealing plugs to protect the threads from contamination.
The load tables are based on two concrete cube compressive strengths: 15 N/mm² and 25 N/mm².
For young concrete with 15 N/mm², the cross-pull brackets according to the table are required for cross-pull.
For hardened concrete with a compressive strength of at least 25 N/mm², permissible load-bearing capacities with and without diagonal tension brackets are specified for the diagonal tension values.**

Transport anchors must be used in accordance with the safety regulations of the German Social Accident Insurance Institution for the construction industry.

**Minimum reinforcement for all threaded anchors with threads M/Rd12, M/Rd14, and M/Rd16:
2 mats Q 131 (150 x 5 mm). For threaded anchors with threads M/Rd18, M/Rd20, M/Rd24, M/Rd30, M/Rd36, M/Rd42, M/Rd52:
2 mats Q 188 (150 x 6 mm).
Additional reinforcement for diagonal and transverse tension.**

**Before installation in the concrete component, a visual inspection of the anchor must be carried out to check that:
a) the Thread is functional
b) the cross hole,
c) the Reinforcing bar, or
d) the plug
is damaged.**

**Rope loops must be removed immediately if
a) the rope or
b) the threaded part
is damaged (curved due to diagonal pull, etc.).**

Diagonal tensile strength table

Thread M/Rd	Load level t	Axial pull 0° t	Angular pull up to 45° without angular pull bracket t	Angular pull up to 90° without angular pull bracket t
12	0,5	0,5	0,50	0,250
16	1,2	1,2	0,65	0,325
20	2,0	2,0	0,80	0,400
24	2,5	2,5	0,85	0,425
30	4,0	4,0	2,10	1,050
36	6,3	6,3	3,00	1,500
42	8,0	8,0	4,60	2,300
12	0,5	0,5	0,50	0,250

The values always refer to the corresponding transport anchor system for precast concrete elements depending on the transport anchors installed.





Additional reinforcement for transverse and diagonal tension

Static verification of diagonal tension reinforcement for BGW double wave anchors

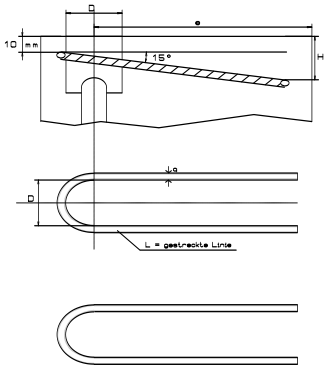
1. Fundamentals
Calculation basis:

DIN 0145-1 Reinforced concrete construction
BGR 106 Safety rules for transport anchors for precast concrete elements

Material: **Concrete steel** **BST 500/550**
Concrete C12/15

System: The double wave anchors are used as anchoring elements with internal threads in load-bearing precast concrete elements made of C12/15. They are installed orthogonally to the concrete surface.
Double wave anchors can be subjected to centric tensile loads, oblique tensile loads, and transverse tensile loads.

In the case of oblique tensile stress ([45°), reinforcement loops inclined at 15° to the surface must be installed as shown in the sketch.



Additional reinforcement for transverse and diagonal tension
Static verification of the oblique tensile reinforcement for BGW double wave anchors

Variables:

As	Cross-sectional area of the diagonal tension reinforcement (2 legs)
bA	Width of the recess body
dbr, D	Diameter of the double wave anchor eye
ds, q	Diameter of the diagonal reinforcement
H	Edge distance of the diagonal reinforcement at the end of the loop
lb	Composite length of the reinforcement leg
ls	Length of a reinforcement leg
l	Total length of the diagonal reinforcement (unfolded)
fb,k	Characteristic value of the composite stress
fb,zul	Value of the permissible bond stress
fctk,0.05	characteristic value of concrete tensile strength
fsk	Characteristic value of the yield strength of Concrete steel
fs,zul	Value of permissible reinforcing steel stress
ß	Angle of the oblique tensile force to the vertical (anchor axis)
γ	Global safety factor
zul S	Permissible oblique tensile force (ß[45°)
ZS	Force in the direction of the diagonal tension reinforcement

Safety concept:

Based on BGR 106, the global safety concept is applied, which provides for a global safety margin between the characteristic material properties and the permissible sizes.
In the case of resistance to concrete failure, including failure of the load-bearing capacity of the reinforcement cross-section and the anchoring, the global safety factor is
γ = 250

Additional reinforcement for transverse and diagonal tension

Material parameters:

The structural safety verification is based on the following permissible material parameters:
Permissible concrete steel stress for concrete steel BSt 500:

fs,zul=fyk/γ =500/2.5=200 N/mm2

Permissible composite stress for concrete C12/15:

fb,zul=fbk/γ =2.25 fctk,0.05/2.5=2.25+1.1/2.5
=0.99 N/mm2

2. Anchor forces

In the following, the maximum horizontal force components ZS, for which the diagonal reinforcement is designed, are calculated from the permissible diagonal loads of the individual anchor sizes, assuming the greatest diagonal suitability (ß=45°):

ZS = zul S * sin 45°

The steel tensile forces are:

Anchor	zul S kN	ZS kN
Rd12	5,0	3,5
Rd14	8,0	5,7
Rd16	12,0	8,5
Rd18	16,0	11,3
Rd20	20,0	14,1
Rd24	25,0	17,7
Rd30	40,0	28,3
Rd36	63,0	44,5
Rd42	80,0	56,6
Rd52	125,0	88,4

Additional reinforcement for transverse and diagonal tension

Static verification of diagonal tension reinforcement for BGW double wave anchors

3. Verification of load-bearing capacity

Load-bearing capacity of the steel cross-section
The load-bearing capacity of both legs of the reinforcement loop is:

zul ZS = AS * fs,zul=2ds2*π *fs,zul with fs,zul=200 N/mm2

The table compares the load-bearing capacities of the selected reinforcement (Diameter dS) with the load and specifies a utilization factorη :

Anchor	Zs kn	dS mm	prev As cm2	zul ZS kN	η
Rd12	3,5	6	0,57	11,3	31%
Rd14	5,7	6	0,57	11,3	50%
Rd16	8,5	8	1,01	20,1	42%
Rd18	11,3	8	1,01	20,1	56%
Rd20	14,1	8	1,01	20,1	70%
Rd24	17,7	10	1,57	31,4	56%
Rd30	28,3	12	2,26	45,2	63%
Rd36	44,5	14	3,08	61,6	72%
Rd42	56,6	16	4,02	80,4	70%
Rd52	88,4	20	6,28	125,7	70%

Additional reinforcement for transverse and diagonal tension

Composite load-bearing capacity

The selected reinforcement must be anchored in the concrete for the maximum load ZS. The anchoring length lb begins at the end of the recess body.
The required anchorage length lb of the reinforcement legs is:

erf lb=ZS/(fb,zul*2*dS*π) with fb,zul=0.99 N/mm2

Anchor	ZS kN	dS mm	erf lb mm
Rd12	3,5	6	95
Rd14	5,7	6	152
Rd16	8,5	8	171
Rd18	11,3	8	227
Rd20	14,1	8	284
Rd24	17,7	10	284
Rd30	28,3	12	379
Rd36	44,5	14	512
Rd42	56,6	16	568
Rd52	88,4	20	710

Additional reinforcement for transverse and diagonal tension

Static verification of diagonal tension reinforcement for BGW double wave anchors

4. Diagonal tension reinforcement

The required total length l of the diagonal tension reinforcement (unwinding) consists of twice the anchoring length lb and the bar length that must be guided around the Double wave anchors:

l=2erf lb +π dbr

The leg length ls is calculated as follows:

lS=erf lb + dbr / 2

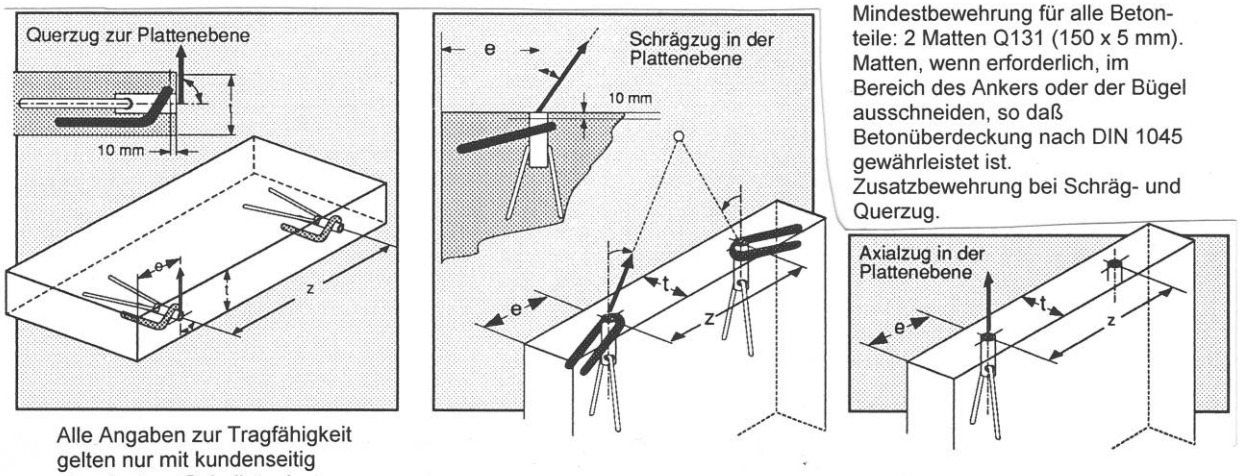
The height H to the top edge of the concrete at the end of the reinforcement loop is calculated as follows:

H=10 + lS * sin 15° (mm)

Anchor	dS mm	dbr mm	l mm	lS mm	H mm
Rd12	6	16,5	250	110	38
Rd14	6	20	370	170	54
Rd16	8	22	420	190	59
Rd18	8	25	540	240	72
Rd20	8	27,7	660	300	88
Rd24	10	31	670	300	88
Rd30	12	41	890	400	114
Rd36	14	48	1180	540	150
Rd42	16	54	1310	600	165
Rd52	20	70	1650	750	204

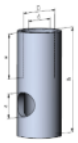
Installation instructions for BGW – cross-hole sleeves and Transport anchors

All load capacity specifications apply only with customer-supplied Concrete steel fork brackets (see table)



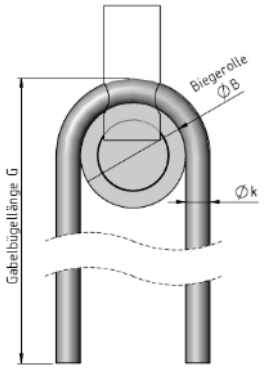
Mindestbewehrung für alle Betonteile: 2 Matten Q131 (150 x 5 mm). Matten, wenn erforderlich, im Bereich des Ankers oder der Bügel ausschneiden, so daß Betonüberdeckung nach DIN 1045 gewährleistet ist. Zusatzbewehrung bei Schräg- und Querzug.

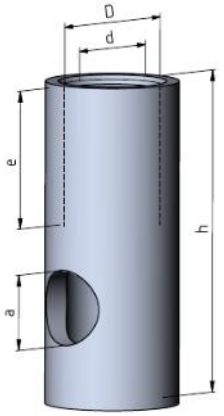
Alle Angaben zur Tragfähigkeit gelten nur mit kundenseitig eingelegtem Gabelbügel aus Betonstahl (siehe Tabelle)

Permissible load in kg (1 kg = 10 N; 1000 kg = 1 t = 10 kN)											
		> 15 N/mm² Concrete cube compressive strength				> 25 N/mm² Concrete cube compressive strength					
		Minimum slab Thickness t/cm	Minimum edge distance e/cm	Axial tension kg	Transverse pull with transverse pull bracket kg	Minimum plate Thickness t/cm	Minimum edge distance e/cm	Axial tension kg	Oblique pull up to 45° without / with Angular pull bracket kg	kg	Z
Rd12 x 40	500	6	18	500	240	6	16	500	500	500	20
Rd14 x 48	800	6	22	800	260	6	18	800	600	700	22
Rd16 x 54	1200	8	25	1200	650	6,5	20	1200	650	1000	26
Rd18 x 65	1600	10	30	1600	800	7	20	1600	700	1200	30
Rd20 x 70	2000	10	30	2000	800	7	25	2000	800	1400	35
Rd24 x 80	2500	10	32	2500	800	8	30	2500	850	2000	44
Rd30 x 101	4000	14	35	4000	1800	10	35	4000	2100	4000	60
Rd36 x 125	6300	14	40	6300	2000	10	40	6300	3000	4200	65
Rd42 x 140	8000	16	50	8000	2800	12	50	8000	4600	7100	70
Rd52 x 170	12500	20	60	12500	3800	16	60	12500	6600	9000	80

Reinforcement table for cross hole sleeves and Transport anchors

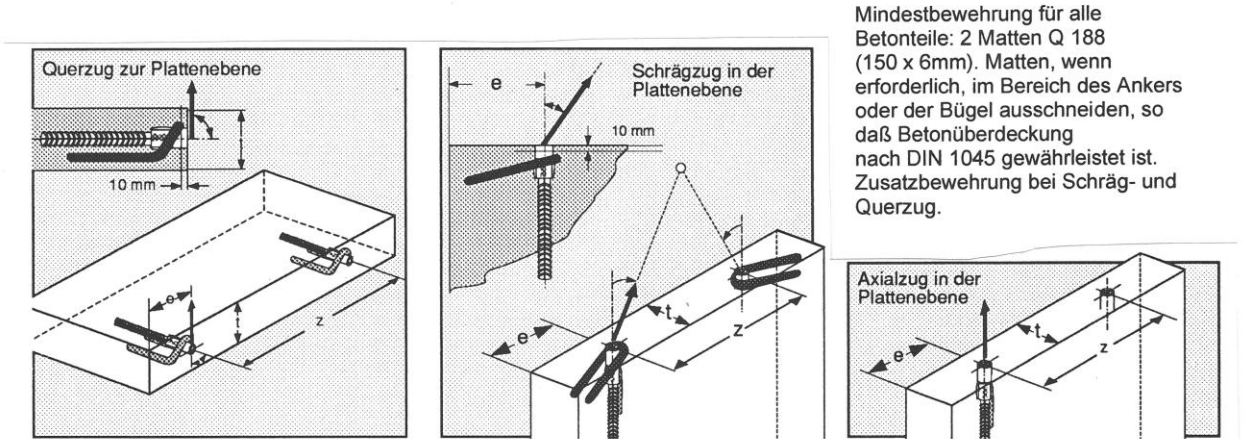
Permissible axial load		Dimensions for fork brackets made of BSt 500 S concrete ribbed steel (1 kg = 10 N; 1000 kg = 1 t = 10 kN)		
d x h		k	G	B
Rd12 x 40	500	6	300	60
Rd14 x 48	800	8	300	70
Rd16 x 54	1200	10	350	70
Rd18 x 65	1600	10	350	70
Rd20 x 70	2000	12	400	80
Rd24 x 80	2500	14	450	100
Rd30 x 101	4000	16	600	130
Rd36 x 125	6300	20	600	150
Rd42 x 140	8000	25	650	200
Rd52 x 170	12500	25	900	300





The values only apply in conjunction with the fork brackets in the adjacent table.

Installation instructions for DWL, DWK



Mindestbewehrung für alle Betonteile: 2 Matten Q 188 (150 x 6mm). Matten, wenn erforderlich, im Bereich des Ankers oder der Bügel ausschneiden, so daß Betonüberdeckung nach DIN 1045 gewährleistet ist. Zusatzbewehrung bei Schräg- und Querzug.

Installation instructions - Details

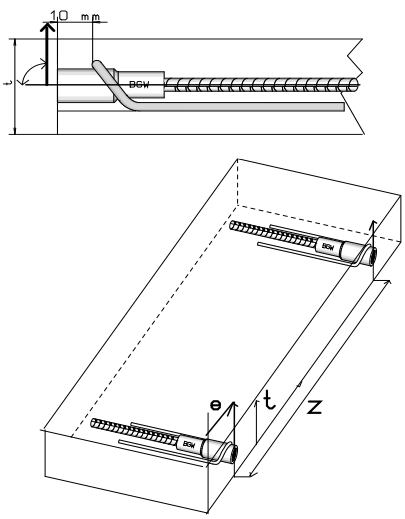
Permissible load in kg (1 kg = 10 N, 1000 kg = 1 t = 10 kN) > 15 N/mm² Concrete cube compressive strength								
Type	**Length**	**Shape**	**Axial/ Oblique tensile**	**Transverse pull with Cross stirrups**	**Z**	**Minimum plate thickness**	**Minimum Edge distance**	**Comments**
Rd	**mm**		**kg**	**kg**	**cm**	**t/cm**	**e/cm**	
12	108	DWK	500 / 250	----	30	6	16	For additional reinforcement for transverse and diagonal tension, see tables "Installation instructions for anchors with data header." Diagonal tension is defined as 0–45°.
14	130		800 / 400	----	40	7	20	
16	167		1200 / 600	----	40	8	30	
18	175		1600 / 800	----	50	10	35	
20	187		2000 / 1000	----	55	11	40	
24	240		2500 / 1250	----	60	12	45	
30	300		4000 / 2000	----	65	14	55	
36	380		6300 / 3150	----	80	20	70	
42	450		8000 / 4000	----	100	24	80	
12	137	DWL	500 / 500	250	30	6	16	For additional reinforcement for transverse and diagonal tension, see the tables "Installation instructions for anchors with data header." Diagonal tension is defined as 0 – 45
14	170		800 / 800	400	40	7	20	
16	216		1200 / 1200	600	40	8	30	
18	235		1600 / 1600	800	50	10	35	
20	257		2000 / 2000	1000	55	11	40	
24	360		2500 / 2500	1250	60	12	45	
30	450		4000 / 4000	2000	65	14	55	
36	570		6300 / 6300	3150	80	20	70	
42	620		8000 / 8000	4000	100	24	80	
52	880		12500 / 12500	6250	120	28	90	
48	1260		22000 / 22000	11000	280	22	140	

Expert opinion on conditions of use for BGW transport anchor systems:
https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf

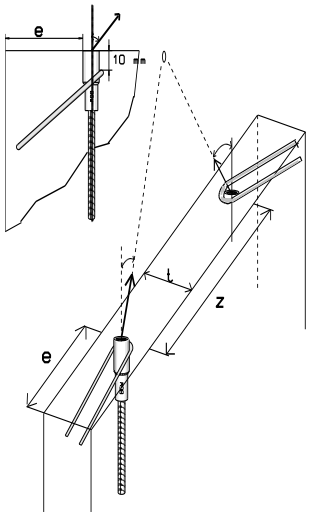
BGW bohr GmbH GERMAN QUALITY SINCE 1986

Installation instructions for bar, ribbed base and screw anchors

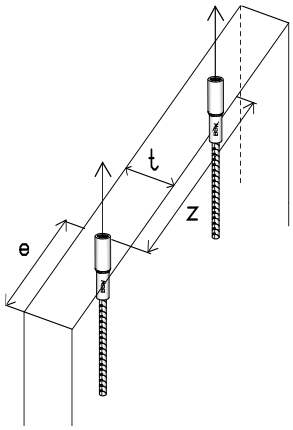
Transverse pull to the slab plane

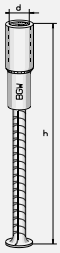
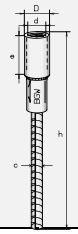


Diagonal pull in the slab plane



Axial pull in the slab plane



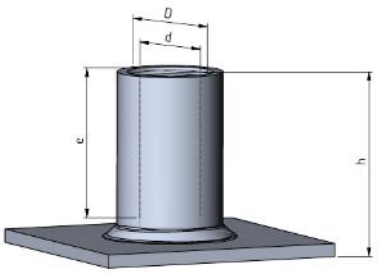
Permissible load in kg (1 kg = 10 N, 1000 kg = 1 t = 10 kN) > 15 N/mm² Concrete cube compressive strength								
Type	**Length**	**Shape**	**Axial/ Oblique tensile**	**Transverse pull with Cross pull bracket**	**Z**	**Minimum plate thickness**	**Minimum edge clearance**	**Comments**
Rd	**mm**		**kg**	**kg**	**cm**	**t/cm**	**e/cm**	
12	100	RFA 	500	250	30	6	15	For additional reinforcement for transverse and diagonal tension, see tables "Installation instructions for anchors with data header." Diagonal tension is defined as 0–45°.
12	174		500	250				
14	105		800	400	40	6	20	
14	167		800	400				
16	130		1200	600	40	8	20	
16	195		1200	600				
18	150		1600	800	50	10	25	
18	275		1600	800				
20	190		2000	1000	60	10	30	
20	300		2000	1000				
24	210		2500	1250	60	12	30	
24	275		2500	1250				
30	390		4000	2000	70	14	35	
30	510		4000	2000				
36	330		6300	3150	80	20	40	
42	450		8000	4000	100	24	50	
52	730		12500	6250	120	27,5	60	
12	190	Stab. 	500	250	30	6	16	For additional reinforcement for transverse and diagonal tension, see tables "Installation instructions for anchors with data header." Diagonal tension is defined as 0 – 45
14	230		800	400	40	7	20	
16	250		1200	600	40	8	30	
18	300		1600	800	50	10	35	
20	350		2000	1000	55	11	40	
24	400		2500	1250	60	12	45	
30	500		4000	2000	65	14	55	
36	650		6300	3150	80	20	70	
42	800		8000	4000	100	24	80	
52	900		12500	6250	120	28	90	

Screw anchors

12	**70**		**500**	**250**	**30**	**6**	**16**	**For additional reinforcement for transverse and diagonal tension, see the tables "Installation instructions for anchors with data header." Diagonal tension is defined as 0 – 45**
14	70		800	400	40	7	20	
16	80		1200	600	40	8	30	
18	100		1600	800	50	10	35	
20	100		2000	1000	55	11	40	
20	127		2000	1000	55	11	40	
24	140		2500	1250	60	12	45	
30	170		4000	2000	65	14	55	

[Expert opinion on conditions of use for BGW transport anchor systems: https://www.bgw-bohr.de/pdf/Gutachten_BGW_GA_18_10_1999.pdf]

Installation instructions for BGW – flat steel anchors



BGW flat steel anchors are particularly suitable as transport anchors for thin plates and pipes. The welded flat steel and corresponding tensile reinforcement ensure that forces are safely transferred into the component.

Item no.	Load level t	Type d x h	Flat steel mm	e mm	D mm	PU piece	Weight approx. kg/100 pieces
0350	0,5	Rd12 x 30	35 x 35 x 3	22	16	100	4,0
0352	0,8	Rd14 x 33	35 x 35 x 3	25	18	100	6,0
0354	1,2	Rd16 x 35	50 x 35 x 3	27	21	100	9,0
0356	1,6	Rd18 x 44	60 x 45 x 5	34	25	50	18,5
0358	2,0	Rd20 x 47	60 x 60 x 5	35	27	50	24,5
0360	2,5	Rd24 x 54	80 x 60 x 5	43	32	50	33,0
0362	4,0	Rd30 x 72	100 x 80 x 6	56	38	25	67,0
0364	6,3	Rd36 x 80	130 x 100 x 6	69	48	10	107,0
0366	8,0	Rd42 x 98	130 x 130 x 8	80	54	10	147,0
0368	12,5	Rd52 x 120	150 x 130 x 8	97	70	10	254,0

(Note: 10 kN = 10 kilonewtons≈ Weight force of a mass with 1 t)
zul FZ: Permissible force for centric tension
zul FQ: Permissible force under transverse tension

1. Reinforcement

BGW flat steel anchors are designed for use with a minimum concrete compressive strength of 15 N/mm² at the time of initial lifting. To transfer the load, it is necessary to install rear suspension reinforcement and surface reinforcement. The surface reinforcement is specified in Table 1. Other forms of reinforcement, e.g., concrete reinforcing bars, with comparable cross-sections can also be used.

Table 1 – Surface reinforcement (BSt 500M)

Size	Surface reinforcement	Size	Surface reinforcement
Rd12	Q131	Rd24	Q188
Rd14	Q131	Rd30	Q221
Rd16	Q131	Rd36	Q221
Rd18	Q188	Rd42	Q513
Rd20	Q188	Rd52	Q513

The rear suspension reinforcement and its arrangement are shown in Table 2, Figure 1, and Figure 2. The back hanging reinforcement is placed over the flat steel and fixed there. Care must be taken to avoid direct contact between the Reinforcement and the flat steel. From Size Rd24, install in pairs in a crossed pattern.

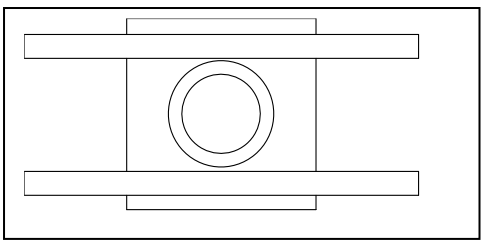


Figure 1

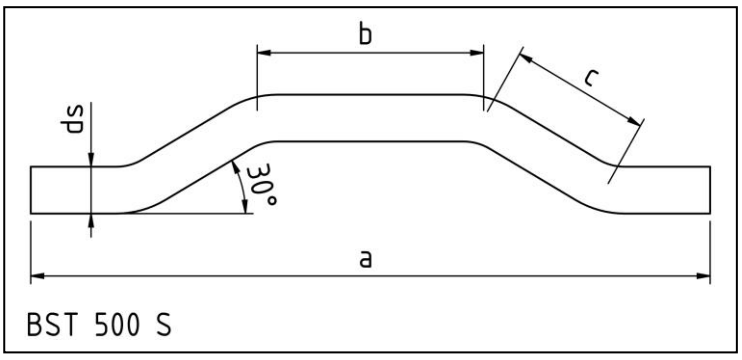


Figure 2

Installation instructions for BGW – flat steel anchors

Table 2 – Rear suspension reinforcement for Flat steel anchors

Size	Load capacity t	Permissible Fz/FQ kN	Quantity of rear suspension brackets	ds mm	a cm	b cm	c cm
Rd12	0,5	5	2	6	25	6	6
Rd14	0,8	8	2	6	36	6	7
Rd16	1,2	12	2	8	42	9	7
Rd18	1,6	16	2	8	53	9	8
Rd20	2,0	20	2	8	64	9	8
Rd24	2,5	25	4	10	64	9	10
Rd30	4,0	40	4	12	83	14	11
Rd36	6,3	63	4	14	114	14	12
Rd42	8,0	80	4	16	125	14	12
Rd52	12,5	125	4	20	153	14	15

From size Rd24 onwards, the Reinforcements are installed crosswise as shown in Figure 8.

2. Edge distance, minimum distance, minimum component thickness

In order to ensure local load transfer into the concrete, certain distances between the anchors and from the edge must be maintained. For corrosion protection reasons, the component thickness must not fall below a certain minimum. The minimum values applicable to the individual anchors can be found in Table 3. See also Figure 3!

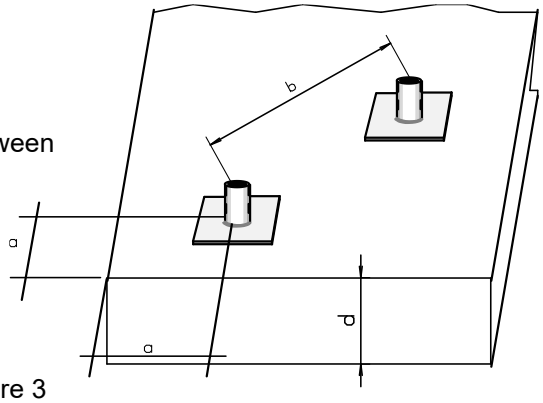


Figure 3

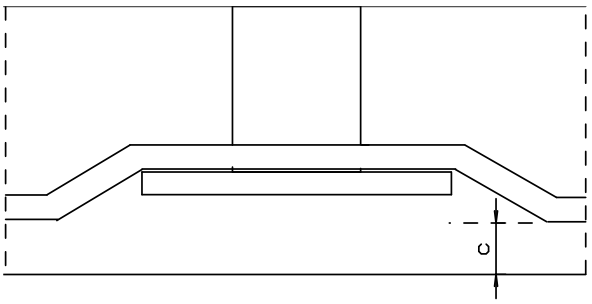
Table 3 – Minimum dimensions

Size	Zul Fz/FQ kN	Edge distance a cm	Minimum distance b cm	Minimum component thickness d cm
Rd12	5	18	35	7
Rd14	8	18	35	8
Rd16	12	25	50	8,5
Rd18	16	30	60	9,5
Rd20	20	30	60	10
Rd24	25	40	80	11,5
Rd30	40	50	100	14
Rd36	63	65	130	16
Rd42	80	65	130	17,5
Rd52	125	75	150	21,5

The minimum component thickness was determined based on the conditions of use for the component in accordance with DIN 1045 Table 10, line 1 and section 13.2. For other conditions of use and environmental conditions, the concrete cover c must be increased in accordance with section 13.2 of DIN 1045, thereby increasing the component thickness (Figure 4).

Figure 4

Even with recessed installation using a BGW recess plate or BGW magnetic fixing, the minimum component thickness must be increased by the amount of the recess.



Installation instructions for BGW – flat steel anchors

3. Diagonal tension reinforcement

If flat steel anchors are loaded by oblique force application as shown in Figure 5, the resulting horizontal forces must be absorbed by the concrete component. Therefore, if the diagonal pull angleβ exceeds 12.5°, diagonal pull reinforcement running vertically to the Flat steel anchors must be installed in accordance with Table 4 (Figure 7). Ensure good contact!

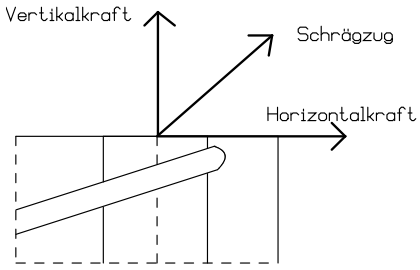


Figure 5

The diagonal tension reinforcement must be arranged in the opposite direction of the horizontal force component.

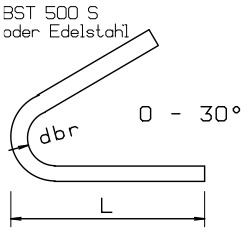


Figure 7

Table 4 – Diagonal reinforcement (angle 12.5°)

Size	zul FZ kN	ds mm	L cm	dbr mm
Rd12	5	6	16	24
Rd14	8	6	25	24
Rd16	12	8	28	32
Rd18	16	8	34	32
Rd20	20	8	41	32
Rd24	25	10	46	40
Rd30	40	12	55	48
Rd36	63	14	70	56
Rd42	80	16	80	64
Rd52	125	20	100	140

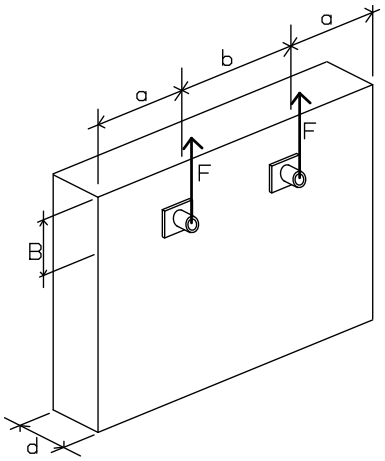
Lengths determined in accordance with DIN 1045 Section 18.5.2. for B15, composite area I.

4. Transverse tensile stress

When flat steel anchors are subjected to transverse tension, the forces that occur must be transferred to the component using suitable Reinforcement. This requires the arrangement of diagonal tension Reinforcement (Table 4) and rear suspension Reinforcement (Table 2) as shown in Figure 8.

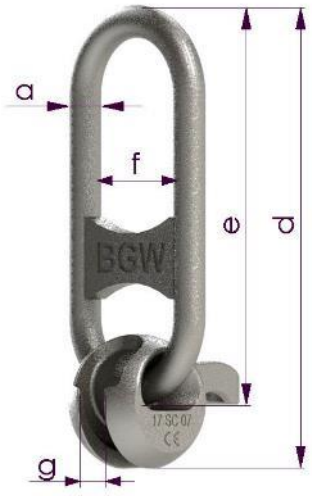
It should be noted here that for sizes Rd12 to Rd20, the rear suspension reinforcement (item 1) must be arranged in the direction of the force flow. For sizes Rd24 to Rd52, the installation of crosswise rear suspension reinforcement (items 1 and 2) is absolutely necessary in order to be able to transfer the full load.
The other boundary conditions correspond to those for installation with centric tension.

Figure 8



Installation and use instructions for BGW – lifting shackles (KKA lifter)

A manually operated coupling in various load rating versions corresponding to those of the BGW ball head Transport anchors. The BGW – lifting shackle (KKA lifter) is coupled to a BGW ball head anchor of the corresponding Load level set in concrete. Even under load, any rotational, tilting, and swiveling movement is possible and safe. This enables safe and easy lifting of all types of precast concrete elements.



The BGW – lifting shackle (KKA lifter) is part of the BGW transport anchor system and complies with the safety regulations of the German Trade Association "Safety regulations for transport anchors and systems for precast concrete elements" (BGR 106).

When using the BGW lifting shackles, these installation and use instructions, the corresponding instructions for BGW transport anchors, and the general installation and use instructions must be observed.

Load stage t	Item no.	Weight kg	a mm	d mm	e mm	f mm	g mm
1,0-1,3	1510	0,7	12	185	157	40	12
1,5-2,5	1512	1,2	14	198	165	50	16
3,0-5,0	1514	3,1	20	285	244	70	22
6,0-10,0	1516	5,9	25	358	309	100	30
12,0-20,0	1518	18,5	36	509	438	140	42
32,0	1522	39,0	45	629	528	160	54

Materials
The BGW – lifting shackle (KKA lifter) is made of durable cast steel. The claws incorporated into it are used to hold the Anchor head. Thanks to its flexible version, the coupling link for hooks and shackles is suitable for all areas of application. The BGW – lifting shackle is electro-galvanised.

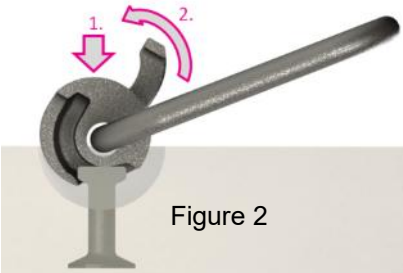


Figure 2

Application
The BGW – lifting shackle (KKA lifter) is used as a load-bearing device within the BGW transport anchor system. The BGW lifting shackle can be easily connected and disconnected manually after the load has been relieved. It can be used for axial, diagonal, and transverse loads. The installation of products from the BGW ball head transport anchor system requires the use of BGW ball head recess bodies, which ensure the correct position of the anchor and easy and secure coupling of the BGW – lifting shackle (KKA lifter).

Coupling
The BGW – lifting shackle (KKA lifter) is placed on the transport anchor with the opening facing downwards (1.) and coupled by turning the lifting head (2.) (see Figure 2). However, the permissible load of the anchor must be observed.

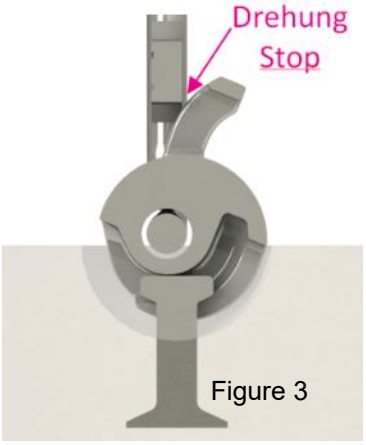


Figure 3

Lifting and turning
The BGW – lifting shackle (KKA lifter) is designed in such a way that unintentional uncoupling (even without load from slinging equipment) is not possible. The oval link acts as a crossbar, functioning as a stop and preventing uncontrolled uncoupling (see Figure 3).

The BGW – lifting shackle (KKA lifter) can be used to lift precast concrete elements in all directions (axial, diagonal, and transverse pull). When lifting and rotating components, particular attention must be paid to the position of the insertion beak (control lever). This must be horizontal and rest on the concrete (see Figure 4). When pulling axially with two lifters, make sure that the component hangs steadily and does not swing into the insertion opening of the lifters. Also make sure that the lifters do not open. Pulling sideways to the insertion opening is not permitted (see Figure 5).

If the anchor is in a horizontal position during lifting, the following must be observed:
The insertion beak (operating lever) points either in the direction of pull (see Figure 6) or 180 degrees opposite to the direction of pull (see Figure 7). The permissible load of the anchor must not exceed 50% of the maximum value.

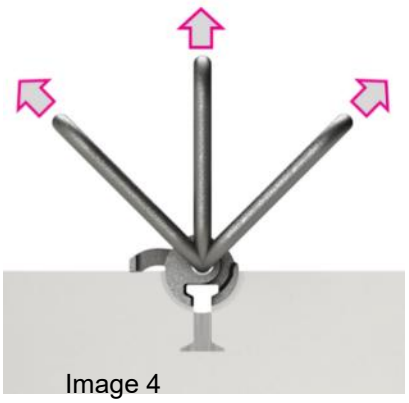

Image 4


Image 5

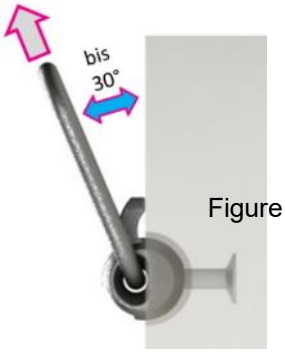


Figure 6


Figure 7

Installation and use instructions for BGW – lifting shackles

Disconnecting
To disconnect the BGW – lifting shackle (KKA lifter), it must first be relieved of load (1.), then the lifter head must be turned back (2.) to disconnect (3.) the BGW – lifting shackle (KKA lifter) (see Figure 8).

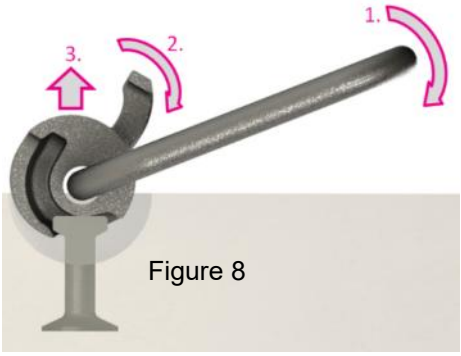
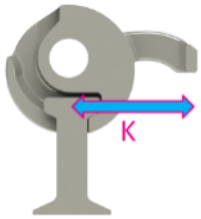


Figure 8

Corrosion protection
The corrosion protection of the BGW ball head transport anchor can be increased by installing a recessed body.
installation. The additional recess body must ensure full functionality in accordance with these instructions for use and must correspond at least to the dimensions in Table 2.

Table 2: Dimensions for recessed installation

Load level t	Radius k mm
1,3	52,0
1,5-2,5	60,0
3,0-5,0	83,0
6,0-10,0	113,0
15,0-20,0	151,0
21,0-32,0	180,0



Safety information/maintenance
Even though virtually no wear occurs under normal conditions, BGW – lifting shackles (KKA lifters) should be inspected at least once a year by a qualified person in accordance with BGR 500 Chapter 2.8, as they are considered load-bearing devices. This inspection must be carried out by a qualified person and is the responsibility of the company. In addition to damage of any kind, the degree of wear must be determined.
As a general rule, the current accident prevention regulations must be observed. The correct hook size and shape must be observed, as this can extend the service life.

Modifications and repairs, in particular welding on BGW – lifting shackles (KKA lifters), are not permitted! In the case of rope versions, the rope must be replaced as soon as a wire in a strand is broken, or in the event of crushing, corrosion scars, or buckling. The BGW – lifting shackle (KKA lifter) with rope may only be used with an original BGW rope.
If the BGW – lifting shackle (KKA lifter) is subjected to exceptional loads (e.g., damage), it must be subjected to an extraordinary inspection by an expert (BGR 500 Chapter 2.8 Section 3.15.3). The inspection is carried out according to the criteria listed below. The BGW – lifting shackle (KKA lifter)'s readiness for disposal is determined in accordance with the provisions of BGR 500 Chapter 2.8 Section 3.15.4.

Replacement and inspection service
Before inspection, the BGW – lifting shackle must be cleaned and the following points must be observed, among others:

- Cracks in the ball and coupling link
- In the event of plastic deformation, the BGW – lifting shackle (KKA lifter) is ready for replacement. Deformations such as bent chain links, pressure marks from slinging equipment, etc.
- If the permissible wear dimensions are exceeded or not reached, the lifting device is also ready for replacement (see Table 3 and image).

The continued use of damaged or worn load-bearing devices is not permitted!

Table 3: Limit dimensions for wear
If the limit dimensions specified in the table are exceeded, the lifiting shackle in question must no longer be used, as is the case with indentations on the steel bracket.

Limit dimensions for BGW – lifting shackle (KKA lifter)

Load level	Upper limit for "h"
1,0 – 1,3 t	12 mm
1,5 – 2,5 t	16 mm
3,0 – 5,0 t	22 mm
6,0 – 10,0 t	30 mm
12,0 – 20,0 t	42 mm
32,0 t	54 mm





BGW – lifting shackle (KKA lifter) with steel cable:

The following defects must be investigated:

- Buckling and bends (clinks)
- Breakage of a strand
- Crushing in free length
- Corrosion scars
- Damage or heavy wear to the rope or rope end connection
- Marking

BGW – lifting shackle (KKA lifter) is marked with the following information: BGW marking, load level, CE marking.
Acids, alkalis, and other aggressive agents that can cause corrosion must be kept away from BGW – lifting shackles (KKA lifters). Modifications and repairs, especially welding on BGW – lifting shackles (KKA lifters), are not permitted!
BGW – lifting shackle (KKA lifter) with visible deformations of the chain link must be discarded – with rope: only use in perfect condition. Pay particular attention to bending and indentations. Observe limit dimensions!

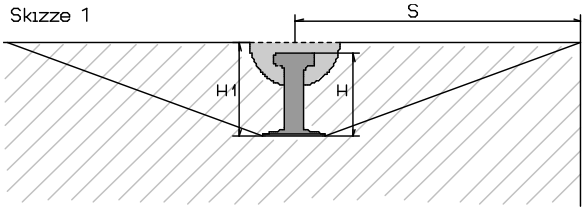
BGW bohr GmbH GERMAN QUALITY SINCE 1986

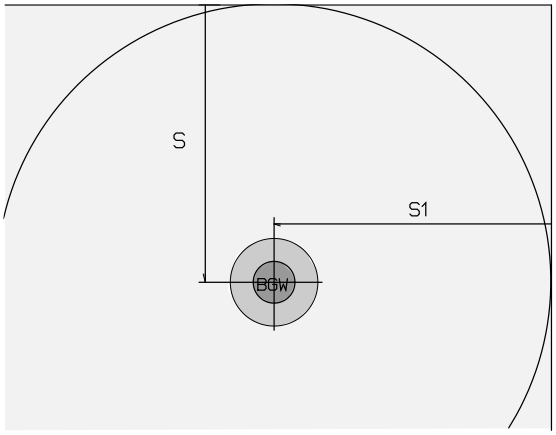
Installation instructions for BGW – ball head anchors (KKA)

Table 1 for permissible anchor loads when installing BGW ball head anchors according to sketch 1.

Load level	Length	Permissible anchor load for concrete strength KN			
t	mm	15 N/mm2	25 N/mm2	35 N/mm2	45 N/mm2
1,3	65	12,0	13,0	13,0	13,0
1,3	85	12,5	13,0	13,0	13,0
1,3	120	13,0	13,0	13,0	13,0
1,3	240	13,0	13,0	13,0	13,0
2,5	75	17,0	23,0	25,0	25,0
2,5	85	18,0	23,5	25,0	25,0
2,5	120	25,0	25,0	25,0	25,0
2,5	140	25,0	25,0	25,0	25,0
2,5	170	25,0	25,0	25,0	25,0
2,5	280	25,0	25,0	25,0	25,0
4,0	75	18,0	23,9	27,0	31,0
4,0	100	30,0	38,0	40,0	40,0
4,0	120	40,0	40,0	40,0	40,0
4,0	170	40,0	40,0	40,0	40,0
4,0	240	40,0	40,0	40,0	40,0
4,0	340	40,0	40,0	40,0	40,0
5,0	75	18,0	23,9	27,0	31,0
5,0	100	30,0	38,0	40,0	45,0
5,0	120	42,0	50,0	50,0	50,0
5,0	180	50,0	50,0	50,0	50,0
5,0	240	50,0	50,0	50,0	50,0
5,0	340	50,0	50,0	50,0	50,0
5,0	480	50,0	50,0	50,0	50,0
7,5	120	42,0	53,0	58,0	65,0
7,5	165	75,0	75,0	75,0	75,0
7,5	200	75,0	75,0	75,0	75,0
7,5	300	75,0	75,0	75,0	75,0
10	115	35,0	45,0	58,0	65,0
10	150	59,0	79,0	82,0	90,0
10	170	78,0	80,0	90,0	95,0
10	200	100,0	100,0	100,0	100,0
10	340	100,0	100,0	100,0	100,0
15	165	72,0	94,0	150,0	150,0
15	300	150,0	150,0	150,0	150,0
15	400	150,0	150,0	150,0	150,0
20	180	85,0	109,0	130,0	160,0
20	200	85,0	109,0	130,0	160,0
20	240	113,0	146,0	173,0	190,0
20	340	200,0	200,0	200,0	200,0
20	500	200,0	200,0	200,0	200,0

Skizze 1





Skizze 2

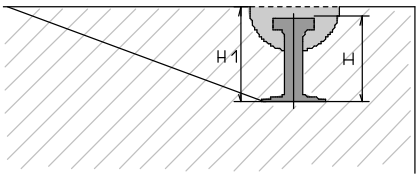
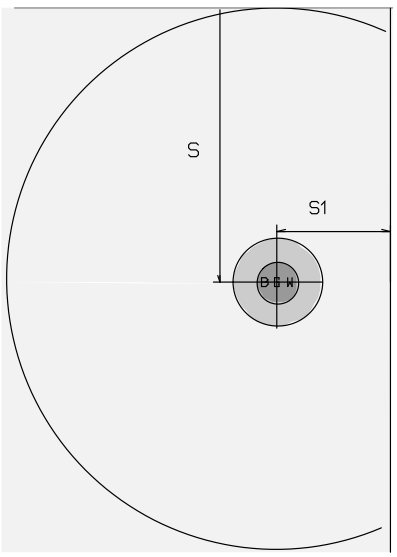


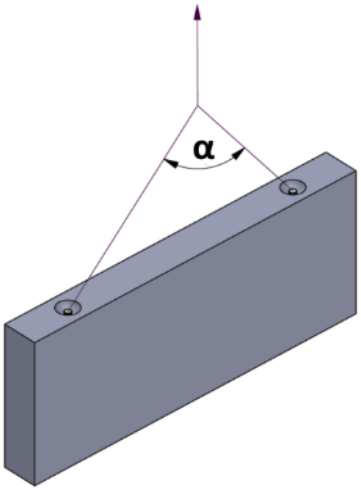
Table 2 Anchor loads for ball-head Transport anchors with a small distance to a precast edge (see sketch 2).
The specified minimum distance "S1" should not be exceeded.

Load level	Length H	Permissible anchor load for concrete strength KN		Minimum distance S1 to end of component	h1 mm	Edge distance S (=h1 x 3) mm
t	mm	15 N/mm2	20 N/mm2	mm		
1,3	120	12,4	13,0	45	130	390
1,3	240	13,0	13,0	45	250	
2,5	170	25,0	25,0	55	181	543
2,5	280	25,0	25,0	55	291	
4,0	210	37,4	40,0	70	225	675
4,0	340	39,5	40,0	70	355	
5,0	240	49,5	50,0	80	255	765
5,0	280	50,0	50,0	80	295	
7,5	300	67,0	75,0	90	315	945
7,5	540	72,0	75,0	90	555	
10,0	340	100,0	100,0	110	355	1065
10,0	680	100,0	100,0	110	695	
15,0	400	145,3	150,0	150	415	1245
20,0	500	197,9	200,0	150	515	1545
20,0	1000	200,0	200,0	150	1015	



Installation instructions for BGW – ball head anchors (KKA)

Design guidelines for BGW ball head anchors



The tensile force "F" acting on the Transport anchors can be determined in almost all installation cases using the following formula:

$$F = \frac{M * ß * \varepsilon * \Phi}{n}$$

F = tensile force acting on the anchor, calculated using the formula.

M = mass of the precast concrete element including steel reinforcement

ß = spread angle factor

Angle α	0°	30°	60°	90°	120°
Spread angle factor ß	1	1,04	1,16	1,41	2,00

ε = Impact factor during transport and assembly

Transport device	Cranes up to v ≤ 90 m/min	Cranes up to v ≥ 90 m/min	Transport with excavator
Impact factor ε	1,0	≥ 1,3	≥ 2,0

Φ = Adhesion factor on the Formwork

The following additional forces must be taken into account:

- For smooth, non-oiled Formwork 2 kN/m2

- For rough Formwork 3 kN/m2

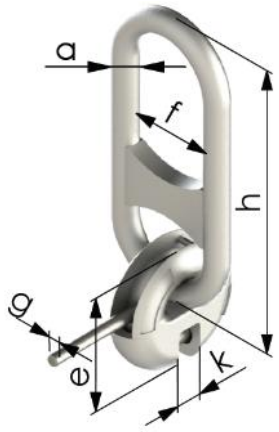
Adhesion factor to be used for:

	Adhesion factor Φ
π - Ceilings	≥ 2
Ribbed ceilings	≥ 3
Cassette panels	≥ 5

n = quantity of load-bearing anchors

In the case of axial tension with two lifters, care must be taken
that the component must hang steadily and must not swing into the slot opening of the lifters.
In addition, care must be taken to ensure that the lifters do not open.

BGW – RKS ring clutch system instruction manual



A manually operated coupling in various load stage designs corresponding to those of the BGW spreader anchors.

The BGW – ring clutch consists of a stirrup and a coupling head. The stirrup can be moved in any direction. The BGW – ring clutch is coupled to the recesses of the corresponding load level in the concrete. It can be released manually after unloading by pushing back the bolt by hand.

Precast elements produced in a horizontal position can thus be easily aligned from a horizontal to a vertical position – in accordance with the corresponding installation instructions for the BGW transport anchors. Even under load, any turning, tilting, and swiveling movement is possible and safe.
possible and safe. However, the permissible load of the anchors must be observed.
The BGW – ring clutch enables safe and easy lifting of all types of precast concrete elements.

Table 1: BGW – ring clutch with chain link

Load level t	Item no.	Weight kg	Ø a mm	f mm	h mm	Ø g mm	e mm	k mm
2,5	RKS-R1-2,50	1,20	14	50	165	12	79	15
5,0	RKS-R1-5,00	2,88	20	70	244	16	98	21,5
10,0	RKS-R1-10,0	10,67	25	90	300	24	137	29,2
26,0	RKS-R1-26,0	20,86	40	90	420	32	210	43,6

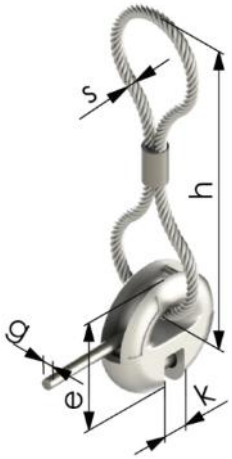


Table 2: BGW – RKS ring clutch with rope

Load stage t	Item no.	Weight kg	h mm	Ø s mm	e mm	Ø g mm	k mm
1,25	RKS-R1-1,25-S	0,43	310	8	49	8	8,5
2,5	RKS-R1-2,50-S	1,51	500	14	79	12	15
5,0	RKS-R1-5,00-S	2,98	560	18	98	16	21,5
10,0	RKS-R1-10,0-S	7,10	730	22	137	22	29,2
26,0	RKS-R1-26,0-SO	10,10	1570	34	210	32	43,6

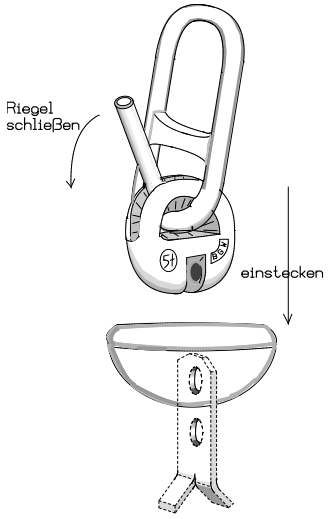
1.Marking

BGW – ring clutches are marked with the following information: BGW marking, load level, CE marking. In addition, the position of the bolt "open - closed" is marked on the opposite side.
The ring couplings are clearly assigned to the anchors without any risk of confusion, both in terms of their design and the marking of the anchor types and load groups.

2.Application

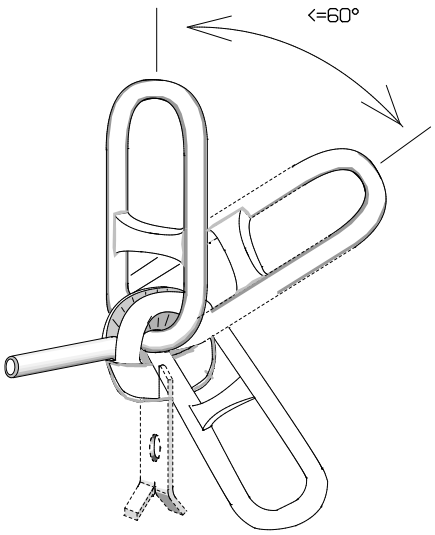
2.1 Coupling

Insert the BGW – ring clutch into the recess in the concrete and close the bolt or slider by hand until it stops. It is important to ensure that the respective permissible load level of the anchor is not exceeded.
The precast concrete element can now be lifted.



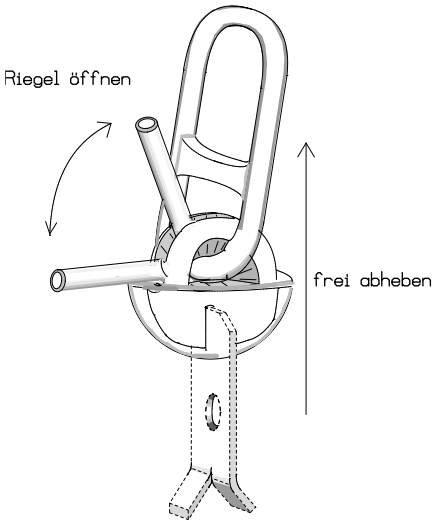
2.2 Manipulation

The BGW – ring clutch can be subjected to stress in all directions (axial and transverse tension are possible – but observe the permissible Load level of the anchor!). Oblique tension caused by rope spreading is permitted up to 60°.



2.3 Uncoupling

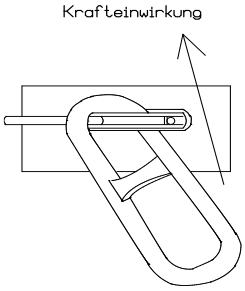
Manually push back and release the bolt of the BGW – ring clutch by hand.



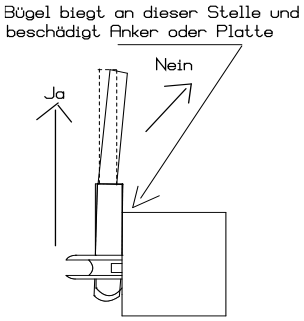
BGW – RKS ring clutch system instruction manual

2.4 Misuse of the BGW – ring clutch

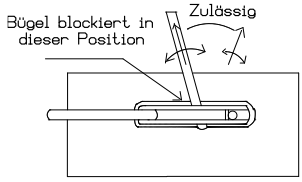
If the stirrups are located under the coupling head when loaded, they can become blocked in the position shown. The round stirrup will then be bent when lifted.

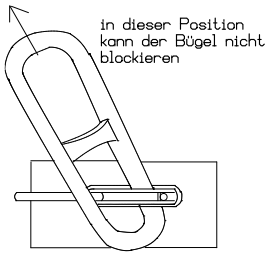


If the stirrups are pulled in the direction of the panel surface when loaded, they can bend at the panel edge.



In the upper position, the stirrups can become stuck in the coupling housing. A flat angle of the sling rope leads to deformation of the stirrups. The problem can be remedied by rotating the stirrups by approx. 45° (see lower image).





3. Maintenance/Safety

We expressly warn against combining our products with parts from other Manufacturers.
We can only guarantee the function and safety of the ring coupling when using original ring couplings.
Even though there is virtually no wear under normal conditions, the ring couplings should be checked at least once a year by a qualified person. In addition to damage of any kind, the degree of wear must be determined. The use of rope (e.g., BGW – ring clutch 1.25 tons) is only permitted with original BGW rope.
If the limit dimensions specified in the table are exceeded, the ring coupling in question must no longer be used, as is the case with indentations on the steel bracket/rope and on the bolt.

The following criteria must be observed when inspecting BGW ring clutches: Bolt:

- Deformed and worn bolts must always be replaced.

Coupling head:

If the coupling head is deformed, the coupling must be removed and cannot be repaired. If the jaw opening is enlarged, the couplings must be removed immediately. The limit dimensions in Tables 1 and 2 must be observed.

BGW – ring clutch with steel cable:

The following defects must be inspected:

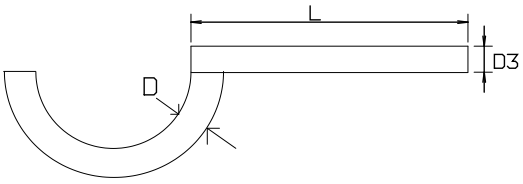
- Buckling and twists (clinks)
- Breakage of a strand
- Crushing in the free length
- Corrosion scars
- Damage or severe wear to the rope or rope end connection

Acids, alkalis, and other aggressive agents that can cause corrosion must be kept away from BGW – ring clutches. Modifications and repairs, especially welding on BGW – ring clutches, are not permitted!

BGW – ring clutches with visible deformations of the chain link must be discarded. Particular attention must be paid to bending and indentations. Observe the limit dimensions in Table 2!

Table 3: Limit dimensions for BGW – ring clutch Bolt

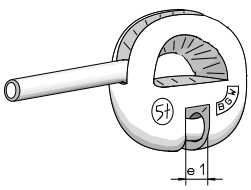
Item no.	Load level	Minimum dimension D mm
565991	1,2 t	7
565990	2,5 t	12
565992	5,0 t	15,5
565993	10,0 t	22,5
565994	26,0 t	31



The following criteria must be observed when inspecting BGW – ring clutches: Bolts:

- Deformed and worn bolts must always be replaced. Limit dimensions must be observed in accordance with Table 2.
- Coupling head:
- If the coupling head is deformed, the coupling must be removed and cannot be repaired. If the jaw opening is enlarged, the couplings must be removed immediately. The limit dimensions in Table 3 must be observed.

Load group/t	Maximum dimension e1/mm
1,2	10,0
2,5	17,5
5,0	21,5
10,0	30,0
26,0	42,0



Installation instructions for sealing washers/bolts/plates /&- Concrete sealing washers



What needs to be considered to ensure that a recess, for example for a transport anchor, is not only permanently sealed but also looks perfect?
It starts with the anchor installation – no warped, oval, or softened recesses may be used; only perfect recesses may be set in concrete.
If this mistake is made during installation, it cannot be repaired.

The sealing disc is held in the recess to be sealed, which has been roughened with a wire brush and cleaned, to check whether it fits in terms of size and concrete color.
The recesses must be completely clean and dry before installing the sealing disc and the sealing body.
The edges of the recesses and the sealing disc must be completely and thoroughly coated with the system-specific primer using a brush.

During the drying time of the primer, it must be ensured that no dust or similar contaminants soil the adhesive surfaces.
Both edges, that of the recess and that of the sealing disc, must be coated with a sufficient amount, but not too much, adhesive from the cartridge using the cartridge press.
The sealing disc is carefully pressed into the recess to be sealed until it is flush with the concrete surface of the concrete part.

The excess adhesive is moistened with a little soapy water from the spray bottle and then scraped off with a spatula.

Required accessories:

Item no.	Material	Quantity	Weight g/piece	Price €/piece
	Wire brush	1	100	10
80437	Cartridge press	1	550	18
803503	Cartridge adhesive	1	500	25
803504	Primer	1	125	15
	Brush	1	100	12
	Filling	1	120	12
	Spray bottle with soap	1	300	10

The images show similar products only, not those that will be delivered.





Operating instructions for the BGW – swivel and transport coupling

CE Declaration of Conformity: CE_Mark_Conformity/CE-DeclarationRotaryandTransportCouplingallLoadRanges.pdf

The installation of two ball-head Transport anchors in the axis of rotation is required for the use of the turn- and transportation couplers. The axis of rotation must lie in the center of gravity.

Proper installation of the anchors is a prerequisite for the safe functioning of the turn- and transportation couplers. This is ensured by using BGW steel recess bodies and complying with the specified installation depth.
An anchor that is not installed professionally can lead to premature anchor breakage, as the rotary coupling cannot be closed properly (form-fitting) if, for example, the anchor protrudes too far.

Handling the rotary coupling

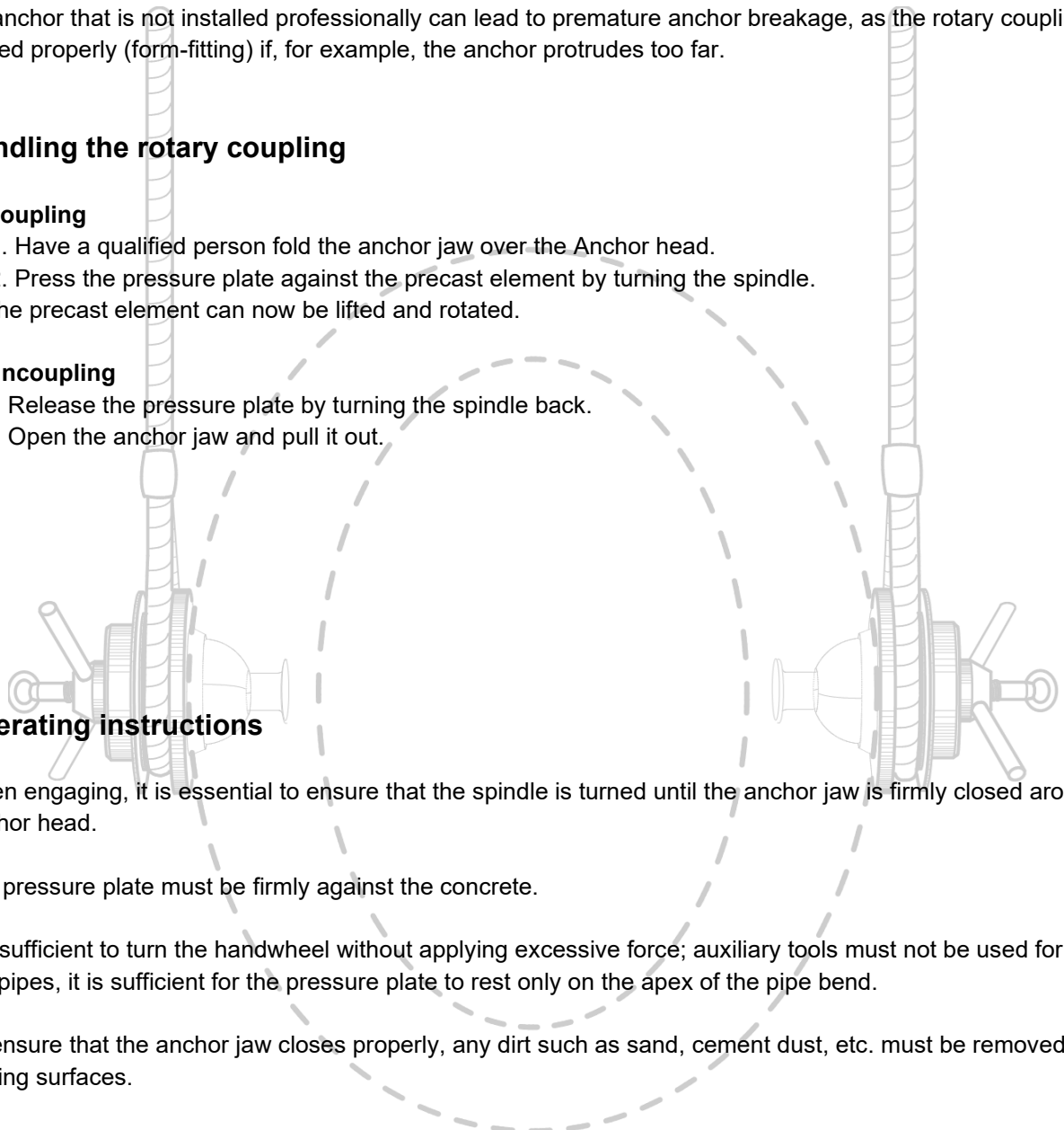
a) Coupling

1. Have a qualified person fold the anchor jaw over the Anchor head.
2. Press the pressure plate against the precast element by turning the spindle.

The precast element can now be lifted and rotated.

b) Uncoupling

1. Release the pressure plate by turning the spindle back.
2. Open the anchor jaw and pull it out.



Operating instructions

When engaging, it is essential to ensure that the spindle is turned until the anchor jaw is firmly closed around the Anchor head.

The pressure plate must be firmly against the concrete.

It is sufficient to turn the handwheel without applying excessive force; auxiliary tools must not be used for this purpose. For pipes, it is sufficient for the pressure plate to rest only on the apex of the pipe bend.

To ensure that the anchor jaw closes properly, any dirt such as sand, cement dust, etc. must be removed from the two closing surfaces.

An anchor coupling that is not completely closed can lead to premature breakage of the joint bolts.

The turn-and transportation couplers must be greased at the grease nipple and the moving parts.

Terms of sale and delivery

1. General

1.1 Our terms of sale and delivery apply exclusively; we only recognize terms and conditions of the purchaser that conflict with or deviate from our terms of sale and delivery if we have agreed to their validity in writing. Our terms of sale and delivery also apply if we carry out the delivery without reservation in the knowledge of conflicting and deviating terms and conditions of the purchaser.
1.2 Verbal side agreements are only effective if they have been confirmed by us in writing.
1.3 Our terms of sale and delivery apply only to merchants within the meaning of Section 24 of the Austrian General Terms and Conditions Act (AGBG).
1.4 Our terms of sale and delivery shall also apply to all subsequent orders with the customer, even if no express agreement is made to this effect.

2. Conclusion and content of the purchase contract

2.1 Our offers are always subject to change. Orders placed by the customer shall only be deemed accepted once they have been confirmed by us in writing.
2.2 We expressly reserve the right to make dimensional and design changes to our products after conclusion of the contract, provided that this does not impair the usability of the product for its intended purpose, in particular the secondary load capacity. If the dimensional and design changes do not impair the intended purpose, the customer is obliged to accept the modified products.

3. Prices and terms of payment

3.1 Unless otherwise stated in the order confirmation, statutory value added tax is not included in our prices. Prices are "ex works."
3.2 The deduction of discounts requires a special written agreement.
3.3 Unless otherwise stated in the order confirmation, payments are to be made net within 30 days of the invoice date. If the payment deadline is exceeded, we are entitled to charge default interest at a rate of 8% above the base rate. The assertion of higher damages caused by default remains unaffected by this.
3.4 Offsetting against counterclaims of the customer is only permissible if these are undisputed or have been legally established. The customer is only entitled to exercise a right of retention insofar as the counterclaim arises from the same contractual relationship.

4. Delivery dates – delivery periods

4.1 Delivery periods and dates are only binding if they have been expressly confirmed in writing by the supplier.
4.2 If, after the supplier has fallen into default of delivery, the customer sets the supplier a reasonable grace period with a threat of rejection and this period has expired without notice, the customer shall be entitled to withdraw from the contract to the extent that delivery has not yet been made.
4.3 The purchaser shall only be entitled to claims for damages due to non-performance if the delay is attributable to intent or gross negligence. Only damages whose possible occurrence was recognizable to the supplier at the time of conclusion of the contract on the basis of the circumstances expressly communicated by the purchaser shall be eligible for compensation; otherwise, liability for damages shall be limited to 50% of the damage incurred.
4.4 The above limitation of liability shall not apply if a commercial fixed-date transaction has been agreed or if the customer can assert that its interest in the performance of the contract has ceased to exist due to the delay for which we are responsible.

5. Transfer of risk

5.1 Unless otherwise specified in the order confirmation, delivery is agreed "ex works."
5.2 Only at the express request of the customer will the goods be insured against transport damage and other risks at the customer's expense.

6. Warranty

6.1 Warranty claims by the customer require that the customer has duly fulfilled its obligations to inspect and give notice of defects in accordance with Sections 377 and 378 of the German Commercial Code (HGB).
6.2 If a warranty claim is justified, we shall be entitled, at our discretion, to deliver a replacement or repair the goods.
6.3 If the supplier allows a reasonable grace period set by the customer to elapse for reasons for which it is responsible without remedying the defect or delivering a replacement, or if the remedy of the defect/replacement delivery fails in any other way, the customer may, at its discretion, withdraw from the contract or demand a corresponding reduction in the purchase price.
6.4 Unless otherwise specified below, further claims by the customer—regardless of their legal basis—are excluded. The supplier is therefore not liable for damage that has not occurred to the delivery item itself; in particular, we are not liable for lost profits or other financial losses incurred by the customer.
6.5 The above exclusion of liability shall not apply if the cause of the damage is based on intent or gross negligence. Nor shall it apply if the customer asserts claims for damages due to non-performance on the basis of the absence of a warranted characteristic in accordance with Sections 463, 480 (2) of the German Civil Code (BGB).
6.6 In the event of a negligent breach of a material contractual obligation, our liability for compensation is limited to our insurance coverage. At the request of the customer, the supplier is prepared to grant access to the insurance policy.
6.7 The limitation period for warranty claims is 6 months, calculated from the transfer of risk, and also applies to claims for compensation for consequential damage caused by defects, provided that no claims arising from tort are asserted.

7. Claims for damages

7.1 Regardless of the legal basis, claims for damages by the customer against the supplier beyond the scope of liability specified in 6.4 to 6.6 are excluded. An exclusion or limitation of liability for the supplier shall also apply to its vicarious agents.
7.2 Further claims under the Production Act are not excluded by the above provision. This also applies to claims arising from impossibility of performance for which the supplier is responsible or from initial inability to perform.

8. Retention of title

8.1 Goods delivered by us remain our property until all liabilities of the customer arising from the business relationship with us have been settled in full.
8.2 If we take back goods, this shall only be deemed a withdrawal from the contract – in the event that the Consumer Credit Act does not apply – if we expressly confirm this in writing. However, seizure of goods on our behalf shall always constitute withdrawal from the contract.
8.3 We must be informed immediately in writing of any seizure or other threats to our rights by third parties, providing all the information we need to bring an action to intervene pursuant to Section 771 of the Code of Civil Procedure. If we suffer a loss because a third party is unable to pay the judicial and extrajudicial costs of an action pursuant to § 771 of the Code of Civil Procedure, the customer shall be liable.
8.4 The goods may be further processed or resold on a revocable basis. In the event of further processing or transformation of the purchased item, the supplier shall be deemed the Manufacturer and shall acquire ownership of the intermediate and end products. If the purchased item is processed with other items that do not belong to us, we shall acquire co-ownership of the new item in the ratio of the final invoice amount of our reserved goods to the purchase price of the other processed goods (at the time of processing). In all other respects, the provisions governing reserved goods shall apply mutatis mutandis to the new item. If our reserved goods are inseparably mixed with other items, we shall be entitled to co-ownership of the new item in the ratio of the invoice value of our reserved goods to the purchase price of the other mixed items (at the time of mixing). The customer shall hold the sole or co-ownership in safekeeping for us.
8.5 The customer is authorized to resell our goods subject to retention of title in the ordinary course of business. The customer hereby assigns to us in advance all claims against third parties arising from this, in the amount of the respective final invoice amount (including value added tax). Notwithstanding this assignment, the customer remains entitled to collect the claims. Upon request, the customer shall notify us of the assigned claims and their debtors and provide us with all information and documents necessary for the collection of claims. At our special request, the customer shall notify the third-party debtors concerned of the assignment to us.
8.6 The above assignment as security for our claims also includes claims which the customer acquires against a third party as a result of our reserved goods being connected to a piece of real estate. The assignment provision also applies to processed, transformed, and mixed reserved goods.
8.7 At the request of the customer, we undertake to release securities which it has provided to us under this contract, insofar as they are no longer required to secure our claims, in particular if they exceed the value of our claims to be secured and not yet repaid by more than 20%.

9. Place of jurisdiction – place of performance

9.1 The exclusive place of jurisdiction for all disputes arising between the parties from the contractual relationship shall be, at our discretion, our place of business or the place of performance , provided that the customer is a registered trader, a legal entity under public law or a special fund under public law.