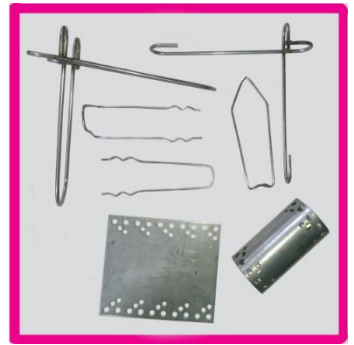


BGW

bohr GmbH
GERMAN QUALITY
SINCE 1986

Build something great





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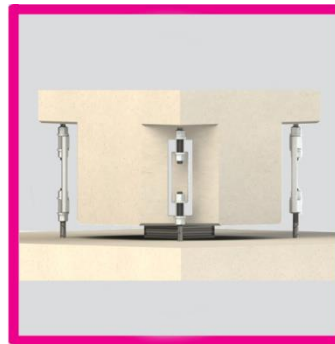


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Diese Bezeichnungen bitte bei Anfragen und Bestellungen mit angeben, auch wenn die Artikelnummer eine andere ist.

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://bgw-bohr.de/qualitaet.htm>

Green production in the precast concrete plant

07/22_(06/22)

Screw in concrete screws, without drilling holes, without tapping, without much force

The BGW Concrete Screw System

The new thing is that the finished threaded hole is already in the concrete part without having to drill, and even better that the thread for the concrete screw is already in the cast screw hole without having to cut it. The screw hole(s) for the concrete screws are already in the component and can be used immediately for temporary fastening of supports and struts during assembly on the construction site. The BGW hardened steel concrete screws can be easily unscrewed from these threaded holes and reused. The system is low-wear.

If a permanent fastening is needed, then an approved adhesive must first be inserted into the threaded hole before the BGW concrete screw is screwed in.

Such a fastening of the concrete screw with glue is then no longer detachable after the glue has hardened.

Concreting threaded fastening holes is more economical and sensible than drilling them on the construction site.

Extra dowels of any kind are not needed for fastening.

For this purpose, the waxed recess body with the threaded screw is measured and placed on the formwork, then concreted over. The concrete screw threaded screw is approx. 100mm long, also so that it is clearly visible when concreting double wall shells.

During stripping, these recess bodies are turned out of the hardened concrete to the left with the threaded screw for the concrete screws, with an Allen key of 10 mm.

The recess bodies for the concrete thread are usually magnetic on the formwork side of steel formwork.

A BGW concrete screw \varnothing 14mm, screwed into a thread screwed in this way, holds 1500 and more kg in the tensile test until the concrete fails. In order to improve the pull-out values of the concrete screw in the concrete, up to the steel failure of the concrete screw, the concrete would first have to be reinforced with iron in the area of influence of the concrete screw.

For fastening stairs or balcony railings, the corresponding hole patterns are already installed in the formwork in the concrete plant, which also ensures that no load-bearing reinforcement is destroyed when drilling fastening holes for the dowels.

HM4-B Magnetic Recess Body for BGW Concrete Thread - with a threaded screw \varnothing 14

Kind. No.	Thread \varnothing mm	Threaded hole up to Depth	Plate \varnothing D1 D2	Kind. No. Closure disc	Adhesive force medical history	Packaging Unit Pcs.	Weight Piece kg	Price Piece €
HM4-B-14-1	14	100	50x45	HFAMV	25	1	0,200	65,00



HM4-B Magnetic recess body for the BGW concrete thread Ø 14 – with two or more set screws for concreting

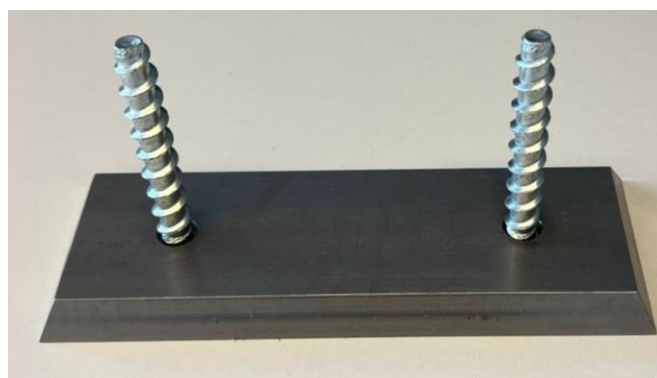
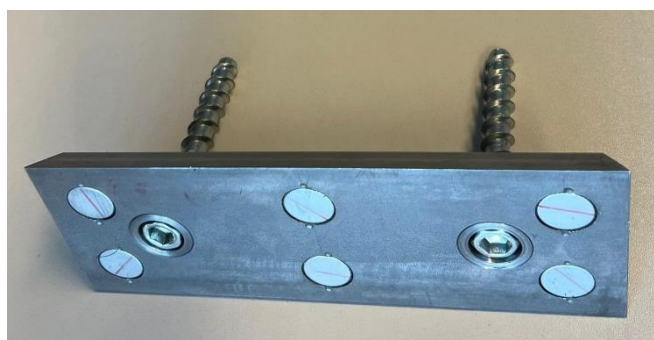
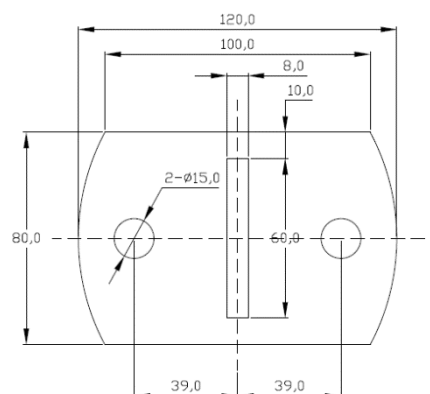
07/22(06/22)

Intermediate plate, support plate for mounting railings, etc.

These intermediate plates are designed to be flanged to the column head and base of commercially available inclined supports, in order to be able to attach the column to the floor slabs if it was intended to be used with two 563073 of the concrete screws code, and to the wall.

We would also have to get the exact dimensions of the holes in the flange plate from the customer for the fastening patterns for the railing fastening.

Kind. No.	Thread Ø mm	Threaded Hole up to depth mm	Plate Dimensions Mm	Slotted holes Mm	BGW Concrete screws	Countersunk Head Screw with nut mm	Pkged for sale	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 Railing Fastening	Round holes Ø 15	563073		20	1,4	85,00



Adapter with lifting eye

02/24_(02/24)

Adapter plate with lifting eye for flanging to the recesses, with mounting thread, for mounting railings. These adapter plates are not only used for railing fastening, but they can also be used to mount balconies, for example, if transport anchors cannot be installed.

In the concrete threads and the recess for the railing fastening, a suitable adapter plate is attached during the installation of the balcony. The balcony, the lying component, is lifted and mounted at a train of approx. 90° to the concrete screws.



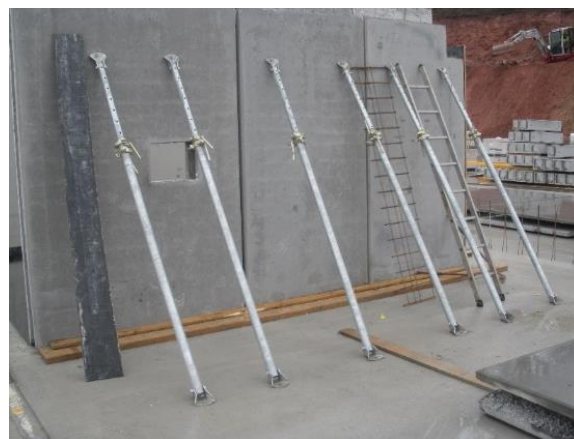
Intermediate plate, column plate for mounting inclined supports

These intermediate plates are for flanging to the column head and column base, of commercially available inclined supports, in order to then have the possibility to attach two concrete screws, dowels to the floor slabs and to the wall.

The holes in the concrete for the screws are already left out when concreting the wall and the floor slab with the associated threaded hole pins.

Intermediate plate

Kind. No.	Screw for flanging Lowering head	Plate Length Width Starch	Slots Length Width	For BGW Concrete screws Kind. No. Code	Counter sunk Head Screw with mother	Ver-p. Unit pcs.	Weight Piece Kg	Price Piece €
563073	M12	200x60 x12	50 x 15	563073	M12x30	10	0,970	22,60



Reusable Steel Hardened Concrete Screws

The concrete screws from BGW can be screwed in with an Allen key of 10 mm or an external hexagon of 16 mm.

Art.-No.	Length mm	Flat Mm	Allen Mm	Core hole for fresh concrete mm	Core hole in old concrete mm	Weight medical history	Packaging-unit Piece	Price € Piece
563073	90	16	10	10	up to 11	0,076	50	1,80



BGW sealing plug made of glass fibre reinforced concrete

Art.-No.	Ø D1 mm	Ø D3 mm	H1 mm	H2 mm	Weight kg	Pkgged unit	Price €/piece
HFAMV	49	44	9	25	0,040	100	5,76



BGW Wire Transport Anchor (DRA)

11/22(09/22)

Variante 1 (Hebefix): This wire transport anchor DRA is installed flush with the surface of the component with the plastic recess body. The plastic recess body remains in the component with the DRA wire transport anchor made of stainless steel.



Variante 2: The wire transport anchor DRA can be installed in bare or galvanized wire, because this recess body installs the wire anchor 10 mm deep into the component. This recess body is reused many times. The anchor wire is inserted into the slotted jaw of the recess body, which is opened with two round rods. This recess body is closed again. The wire transport anchor is located in the mouth of the recess body and is installed in the fresh concrete up to the upper edge of the recess body.



As an installation aid, it makes sense if the recess body is staked out on pins Ø 8 mm in the formwork shape by means of the two holes in the recess body on the smooth top side. On the pins is threaded M8.

When installing the wire transport anchor on the concrete surface, the recess body with the inserted wire transport anchor is attached to the retaining plate with grab handle and pressed flush into the fresh concrete at the top.

This recess body is removed by inserting Ø 8 mm iron rods into the two holes on the top of this recess body and pressing these two iron rods against each other, which opens the mouth of the semi-circular recess body and releases the wire transport anchor.

The hand load hook is made of flat galvanized 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 Anchor (DRA)

11/22(09/22)

The load level should be specified as 150kg with a concrete strength of C15/20.

BGW Wire Transport Anchor (Hebefix)

Variant 1: Recess body with mounted wire anchor made of stainless steel

Marking on the ASK: BGW DRA 150 kg

Art.-No.	Loading step medical history	Noble-Steel Wire Ø mm	Length Mm	Width Mm	Height Mm	Weight kg/piece	Pkg Unit Piece	Price €/piece
43100	150	4	29	73	35	0,026		



BGW opening recess ASK for DRA, made of polyurethane

The length of 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 on the retaining plate.

Variant 2: Recess body for 10 mm recessed wire anchor installation

Art.-No.	Loading step medical history	Length Mm	Width Mm	Height Mm	Weight kg/piece	Pkg Unit Piece	Price €/piece
16600	300	73	25	30	0,486	20	12,80€



Marking in concrete: BGW DRA 300 kg

BGW Wire Transport Anchor – Bare Wire/Galvanized/Stainless Steel

Art.-No.	Material	Loading step medical history	Noble-steel-wire Ø mm	Length Mm	Width Mm	Height Mm	Weight kg/piece	Pkg Unit Piece	Price €/piece
43200	Broke	300	4		30,5	40	0,015	1000	0,32
43200C	Galvanized	300	4		30,5	40	0,015	1000	0,35
43200E	Stainless steel (V2A)	300	4		30,5	40	0,015	1000	0,40
43200EE	Stainless steel (V4A)	300	4		30,5	40	0,015	1000	0,42



BGW clamping pin, for staking out the recess body

Two holes for the clamping pins are drilled into the formwork floor at the distance between the holes in the ASK. The clamping pins are hammered into these holes until they still protrude about 20mm.

Art.-No.	Ø Mm	Weight kg/piece	Pkg Unit Piece	Price €/ 100 pieces
16600-10	7		100	12



BGW Wire Transport Anchor (DRA)

09/22(09/22)

BGW Mounting Plate with Grab Handle

For attaching the recess body ASK with inserted wire transport anchor DRA, for installation, for pressing on the component surface
In the steel plate, there are two clamping pins 7 mm apart 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 grab handle

Art.-No.	Weight kg/piece	Pkg Unit Piece	Price €/piece
16600-1		1	25

BGW round bars, for opening the recess body

These offset round rods are inserted into the cast-in sockets of the ASK as far as they will go. These two rods are then pressed against each other until they cross each other and the ASK is opened.

During this process, it is always necessary to move the round bars of the ASK a little carefully so that it can be removed from the concrete more easily.



Rods

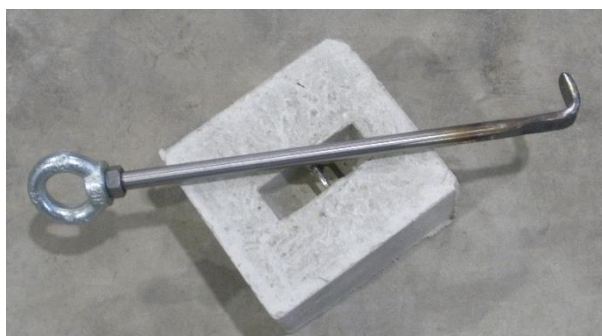
Art.-No.	Ø Mm	Length mm	Weight kg/piece	Pkg Unit Piece	Price €/piece
16600-20	8	200	0,080	20	2,80

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

Art.-No.	Ø Mm	Weight kg/piece	Pkg Unit Piece	Price €/piece
16600-30			20	45



Recess without plastic recess body



Recess without plastic recess body

BGW Wall Spacers / Slotted Pipe System – Reusable, Frame Formwork In-situ Concrete / Strut

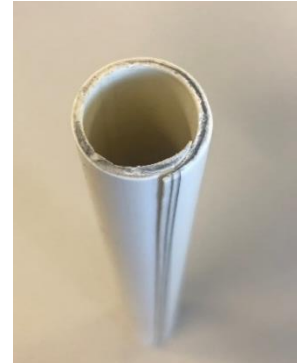
02/22(02/22)

Clean concrete, without thermal bridges, no water barriers necessary

Reusable formwork spacer for panel formwork, solid walls, double walls, spreaders, formwork spacers, formwork technology, etc.

A contribution to the avoidance of plastic in concrete.

- No openings through the solid wall, double wall with plastic spacers in the component.
- No plastic formwork residues or extraneous concrete in the solid cast-in-place concrete wall, a concrete wall is completely one piece.
- No continuous thermal bridges due to disturbing spacers
- No water barriers, capillary due to water penetration.
- There is no need for rework due to imprints of the spacers in the concrete wall.



This is made possible by the newly developed BGW slotted pipe system, with the cones, the anchor rod DW15, sealing plugs, glue, mortar, magnetic holders, etc.

The main task 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 cost saving if such a wall spacer can be used more often.

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

We have a similar problem with the production of the double wall. The thickness of the double wall must be just right, so the spacer must be stable. It must be able to bear the full pressure, vibration pressure, when immersing the first shell in the second concrete shell.

It was therefore agreed that such massive in-situ concrete walls, double walls, had to be fitted with plastic spacers at short intervals.

These plastic spacers in the concrete part were inseparably connected to the concrete part – the concrete part is therefore contaminated with plastic.

It was also the case that water could penetrate between the concrete and non-concrete material in the concrete, the plastic.

This water ingress was temporarily prevented by extending the route by attaching so-called water barriers to these spacers.



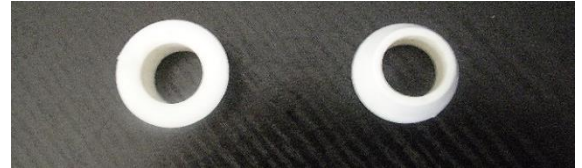
BGW Wall Spacers / Slotted Pipe System – Reusable, Frame Formwork In-situ Concrete / Strut

How does it work if you can remove the spacer, the slotted pipe, from the component again when the concrete has hardened?

When the anchor rod is pushed into the slotted tube, the slotted tube is widened. The widened slotted tube immediately returns to its original size when the anchor rod is pulled out of the slotted tube.

The solution is to install a spacer that holds securely against the concrete pressure when filling the formwork and then, i.e. when the concrete has hardened, can be easily and completely removed from the concrete component with a jerk.

This spacer - a round, longitudinally slotted, overlapping slotted tube made for our DW15 anchor rod - fulfils these requirements from the point of view of technology and environmental protection.



How is this spacer installed?

Before concreting, the BGW anchor rod with DW 15 thread, which is subject to sufficient release agent, is pushed into the BGW slotted pipe with sufficient release agent, protected from adhering concrete, whereby the Ø of the slotted pipe increases slightly.

In addition, cones, also on both sides, can be inserted or plugged in. The anchor rod protected by the slotted tube, with DW 15 thread, can now be installed in the formwork as a compression or tension rod, as a spacer.

After concreting, when the concrete has hardened and the formwork is removed, the anchor rod DW 15 is also pulled out of the slotted pipe.

As soon as the anchor rod is pulled out of the slotted pipe, the Ø of the slotted pipe shrinks and the slotted pipe can also be removed from the concrete structure.

Here is a short video about it:

https://www.bgw-bohr.de/video/2021_07_05-Versuch_Schlitzrohr.MOV

The wall openings are closed with mounting foam and cones made of glass fibre reinforced concrete. If cones are placed on both sides, then 15mm is deducted from the wall thickness, from the length of the slotted tube, for each cone. The slotted pipe can also be supplied in bars up to approx. 6m in length and it can be sawn or cut to the required length with a pipe cutter. It is a great advantage that you can cut your lengths of wall spacers, which are needed, even from a 6m pole.

See also in the BGW catalogue how this system can be used to save plastic in wall production, as well as for transport anchors, double walls, solid walls, etc., or how it could become superfluous or end up.

BGW Slotted Tube Cone

Kind. 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 plug / sealing cones for the cone

Kind. No.	D1 Ø Mm	D2 Ø Mm	Height Mm	Weight kg / 100 pieces	Price € / Piece
Slrkk	28,5	20,5	14		

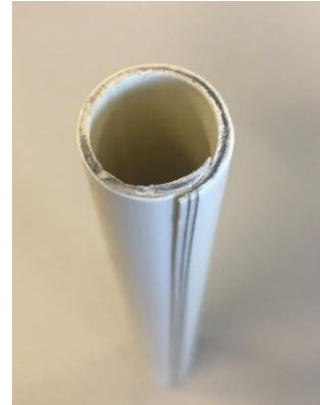


BGW Wall Spacers / Slotted Tube System – Reusable, Frame Formwork In-Situ Concrete/Strut

02/22(02/22)

BGW Slotted Pipe

Kind. No.	Ø outside Mm	Length Mm	Weight kg / m	Price € / Piece
SLR100	20	70	0,011	
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

Kind. No.	Length Mm	Weight kg / m	Price € /Piece broke	Price € /Piece galvanized
DW15100	400	0,584		
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/ Slip Nut/Flange Nut/Dywidag

Kind. No.	Ø Outside Mm	For rod Ø mm	Height Mm	Strapping Distance mm	Weight kg/piece	PACK 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, Sliding Hammer Weight

Tool for knocking the anchor rod out of the slotted tube.

The impact hammer weight is pushed over the protruding DW15 and at the end of the DW15 rod a DW15 nut is turned, now the hammer is ready for use. The DW15 rod is removed from the slotted pipe, hammered out of the fresh, hardened concrete.



BGW coupling chamber for the production of durable watertight components - wall connections by means of bolts

07/21_(07/21)

a cost-effective system for the safe, permanent connection of concrete components

This system could be used as a replacement for:

VS connection loops, connection reinforcements, reinforcement connections, wall-to-wall connections, reinforcement systems and cross connections can be installed.

The system consists of the chamber blade, the slotted tube, the chamber bolt, the centering for the chamber blade and the demoulding tool.

The chamber bolts are for sewing the components. These chamber bolts are forged double-head bolts – head sizes 2.5xd. These chamber bolts are available as double-spar ladders, single-spar ladders and rope ladders.



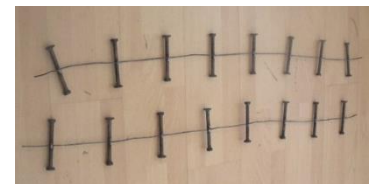
Chamber Sword

The slotted tube, for the chamber bolt \varnothing 10mm, forms the potting chamber \varnothing approx. 45mm, in which the chamber bolts are inserted. The chamber sword spreads open the slotted tube attached to the chamber sword under preloading. The component is cast with the built-in chamber blade and the slotted tube. After the concrete is hard, the chamber sword is removed from the slotted tube. The slotted pipe, enlarged under prestressing, detaches from the concrete and assumes its smaller \varnothing (pre-size). 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 blade determines the installation depth of the slotted tube in the component and thus the length of the chamber bolt to be installed. For example, the chamber bolt is then installed 60mm deep in the front of the concrete and carries approx. 4.5t until the component failure, the excavation cone is approx. 45°.



Chamber bolts: double spar ladder. single spar ladder

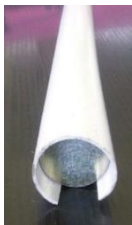


Chamber Bolt: Rope Ladder

The chamber blade forms the channel in which the chamber bolts can then be inserted into the two components to be connected during the assembly of the components.

As a rule, the chamber blade has the shape of a trapezoid on the support side of the formwork, this trapezoid then forms the grouting grooves in the components to be joined. After the coupling chambers have been filled with concrete and the concrete is hard, these grouting grooves absorb the push/cross shear forces in the joint.

On the side of the steel formwork, the chamber sword is magnetic. It can also be supplied for screw-on. It can be placed exactly on the steel formwork with the slotted tube and the spacers attached to the chamber bar on both sides.



Slotted tube

During assembly, the two components to be connected, coupling chamber to coupling chamber or potting groove to potting groove, are compared.

There would have to be a gap between these components to be joined. This gap can be sealed with foam or other sealing material before filling the coupling chamber with concrete.

The chamber bolts of the correct length are recessed into the coupling chamber - other, unrelated lengths or \varnothing cannot be recessed into the coupling chamber. The coupling chambers are filled with normal concrete, the concrete is compacted. After the concrete is hard in the joint, coupling chamber, grouting groove, the connection is resistant to shear, compression and tensile. A chamber bolt \varnothing 10mm holds tensile forces of approx. 4.5t until it breaks up the concrete.

This system is also available for chamber bolts 10 mm, 14 mm and 20 mm.



Chamber blade with spacer for centering the slotted tube



Chamber Sword with Slotted Tube

BGW coupling chamber for making permanent wall connections by means of bolts

07/21_(07/21)

It is also possible to provide several such coupling chambers with potting chambers next to each other in the event of a joint.

What does the user need to be able to establish such a connection?

- Slotted tube
- Chamber Sword
- Chamber bolt
- Spacers – for centering the slotted tube on the chamber bar
- Demoulding tool – this is used to remove the chamber blade from the slotted tube during stripping



Demoulding tool

What is the price of such a component connection with the chamber bolts?

The price per 1.25m chamber bolt, rope or single-beam ladder with 6 chamber bolts, costs less than 15€.

Prices on request!



BGW mandrel tie anchor/crank retaining anchor for alignment, for setting up wall elements

11/23_(11/23)

In the precast concrete plant, round recess bodies are poured into the concrete on the underside of the wall to the right and left of the edge approx. in the middle of the wall as placeholders. These placeholders must match the mandrel of the mandrel tab.

These round placeholders for this mandrel can be unscrewed on the HM4 with an M12 threaded pin. In the case of wooden formwork, these round placeholders for the mandrel of the mandrel plate can be nailed to the formwork with the BGW retaining disc M12.

When the wall is stripped, these recesses are removed. Instead of such reusable recess bodies described above, disposable mandrel sleeves can also be installed.

When installing the wall, the mandrel of the mandrel tabs 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 mandrel tabs hammered into the conical blind holes and this wall is aligned in its final position.

After this wall has been aligned, it is attached to the substrate with the flat iron tab protruding from the side. For this purpose, this hole is in the flat bar of the mandrel flap, through this hole in the flap a hole is drilled for the dowel in the concrete of the floor slab or concrete ceiling, to which the flap is then attached.

Other dimensions on request, for example by means of a sketch.



No.	Diameter mandrel mm	Length mandrel mm	Round steel	Length of flat bar Mm	Diameter X mm	Diameter Y mm	Weight kg piece	Price € Piece
4481	Ø 16	150	ribbed	250x40x5	Ø 16	Ø 13	0,630	4,70
4480	Ø 20	150	ribbed	250x40x5	Ø 16	Ø 13	0,720	5,40
4482	Ø 20	120	smooth	200x50x8		Ø 13	0,924	6,90

Surcharge for finishes:

hot-dip galvanized 2,00 €/kg

chromated 1.50 €/kg

Primed 2,20 €/kg

Recess body for the mandrel flap magnetic, conical – available with plastic mandrels and steel mandrels

For mandrel ribbed Ø 24-22mm long 150mm

For mandrel smooth Ø 22-20mm long 150mm

No.	Material Thorns	Diameter Mm	Length mm	Weight kg piece	Price € Piece
44800	Plastic	Ø 20	150	0,060	42,00
448001	Steel	Ø 20	150		42,00



Recess body for the mandrel tab for nailing – available with Plastic mandrels and steel mandrels

For mandrel ribbed Ø 24-22mm long 150mm

For mandrel smooth Ø 22-20mm long 150mm

No.	Material Thorns	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 mandrel tie anchor/crank retaining anchor for alignment, for setting up wall elements

10/22_(10/22)

Lightning Anchor

No.	M	Price € Piece
56374	M12x110	1,80



BGW Concrete Screw

This BGW concrete screw has two drive options with which you can screw this concrete screw into its anchoring hole.

One drive option with the 16 mm hexagon socket, the other with the 10 mm Allen key.

By means of a strong electrically driven screwdriver and contact pressure, this concrete screw can be screwed into the pre-drilled hole in the concrete in a matter of seconds to fix the dowel flap.



Art.- No.	Length mm	Wrench Width Mm	Allen Mm	Core hole for fresh concrete mm	Core hole in old concrete mm	Weight medical history	Packaging- unit Piece	Price € Piece
563073	90	16	10	10	up to 11	0,076	50	1,80

The concrete screw can be used several times.

BGW column centering made of metal

01/23_(01/23)

Description – Handling

In the form of a column, a square formwork sheet is installed diagonally in the middle of the base, with a pointed hemisphere in the centre, before concreting. This concrete imprint of the tapered hemisphere is then, after the stripping of the component, the lower center of the component in the concrete.

On the construction site, the axes, the column axes, are measured. In the crosshairs of the axes, a hole about Ø 8mm about 50mm deep is drilled into the concrete.

The Ø 8mm centering pin is hammered into this hole, the centering pin is about 50mm above the concrete.

This square sheet with the pointed hemisphere is now attached to this centering pin.

This square sheet with the pointed hemisphere has holes in the corners. Dowel holes are drilled through these holes in the concrete and this centering plate is anchored to them.

The central pin is pulled and the component, this concrete column with the concrete nut centering, can now be placed on the anchored father center. Due to the weight of the component, the concrete column, the component then sits centrally on the column centering.

In the form of the support, this centering of the support, this centering of the mother, always remains inside – the father-center, the anchored, remains lost under the support.



Art.-No.	Name	Dimensions mm	Fastening type: dowels	Centering bore Ø mm	Broke Galvanized	Weight medical history	Pkgg. Unit Piece	Price €/piece
051901	Column centering type A small	75x75x2	with 4 dowels 8mm	8		0,160	100	6,85
05190	Column centering type B	110x110x2	for wrapping	8		0,160	100	6,65
051902	Column centering type A large	200x200x2	with 4 dowels 8mm	8		0,630	100	12,50

BGW Potential Connection / Grounding Connection

09/23 (09/23)

Grounding connection with thread M8, M10, M12 or M16 for screwing on connection cables and tabs for connecting components, for equipotential bonding. The purpose of equipotential bonding is to minimise, initiate and balance voltages – plus and minus – between the bodies of electrical operating equipment and foreign conductive parts, such as iron in the component, in the earth as far as possible – also known as grounding.

Today, a balanced potential is more important than ever. All components installed in highly sensitive electronic devices will fail immediately due to the overvoltage if the potential is not compensated. The devices are then broken.

To ensure that the compensation can function without any problems, the weld tail with threaded bushing must be connected to the steel reinforcement without resistance, if possible by welding, before concreting. In every component, in every column, every wall panel on the left and right at the same installation height as on the support, such a grounding connection should be visibly installed.

To avoid any possibility of confusion with other threaded sleeves installed in the component, the earthing sign, the thread \varnothing and the manufacturer are visibly hammered into the flange of the threaded sleeve. By mounting and tightening the bridge cable with the screws in the threaded bushings, the electrical ring around the structure is closed. Additional connection options for power installations, as well as metal pipes, should also be provided.

The earthing connection consists of a flat bar with a threaded sleeve M8, M10, M12 or M16 welded all around. On the front side of the sleeve, a thick, round disc with a diameter is welded on with thick seams all around. This is used to reduce the resistive resistance in welded joints. The threaded sleeve and flange washer are made of stainless steel.

Another design is a threaded sleeve with a pressure plate washer welded on the front side, on the opposite side the earthing flag is pressed to the threaded sleeve over a large area and in a form-fitting manner.

To ensure that the grounding connection does not protrude after it has been connected to the cables, it should be recessed, by means of retaining washers for nailing or magnetically installed.



BGW earthing connection with connection tab made of flat iron S235

Art.-No.	Thread \varnothing x Depth mm	Sleeve \varnothing x Length Mm V2A AISI304	Flange disk \varnothing x Thickness mm V2A AISI304	Connecting Flag Flat Iron Width x Thickness x Length mm Material S235	Weight kg/piece	PAC K 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 50	50 x 3	40 x 5 x 400	0,612	50	14,00

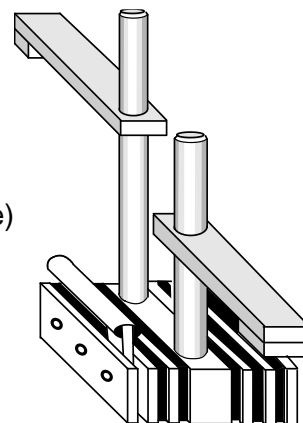
BGW grounding connection with connection flag made of BSt 500

Art.-No.	Thread \varnothing x Depth mm	Sleeve \varnothing x Length mm V2A AISI304	Flange Washer \varnothing x mm V2A AISI304	Connection Flag BSt 500 pressed-in \varnothing x Length mm	Weight kg/piece	PACK 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 50	50 x 3	12 x 400	0,612	50	14,00

BGW magnetic holder type HM1 for holding down and laterally fixing the formwork

09/17^(04/01)

This magnet system is infinitely variable due to its adjustable hold-down device particularly suitable for can be used with frequently changing formwork heights. The boom is approximately 360° around the column (height variable) swivel. Three sides of our magnetic holders are flat and without protruding screws, so that they can also be used as a stop against lateral migration of the formwork. The structure of the magnetic body resembles unevenness of the formwork without loss of adhesion force.



BGW Magnetic holder Type HM1

Art.-No.	Hold Piece/Version	Adhesive force approx. kg	Different-Empowerment	Weight medical history	Width mm	Length mm	Clamping height mm	Price €/piece
HM1- 600-1A	1 x with support	600	200	11,0	102	250	approx. 300	123,00
HM1- 600-1G	1 x threaded	600	200	11,0	102	250	approx. 300	123,00
HM1- 600-2A	2 x with support	600	200	14,0	102	250	approx. 300	135,00
HM1- 600-2G	2 x threaded	600	200	14,0	102	250	approx. 300	135,00
HM1-1000-1A	1 x with support	1000	350	15,0	150	250	approx. 300	162,00
HM1-1000-1G	1 x threaded	1000	350	15,0	150	250	approx. 300	162,00
HM1-1000-2A	2 x with support	1000	350	18,0	150	250	approx. 300	174,00
HM1-1000-2	2 x threaded	1000	350	18,0	150	250	approx. 300	174,00
HM1-1600-1A	1 x with support	1600	600	18,0	200	250	approx. 300	194,00
HM1-1600-1G	1 x threaded	1600	600	18,0	200	250	approx. 300	194,00
HM1-1600-2A	2 x with support	1600	600	21,0	200	250	approx. 300	207,00
HM1-1600-2G	2 x threaded	1600	600	21,0	200	250	approx. 300	207,00
HM1-2000-1A	1 x with support	2000	700	21,0	245	250	approx. 300	225,00
HM1-2000-1G	1 x threaded	2000	700	21,0	245	250	approx. 300	225,00
HM1-2000-2A	2 x with support	2000	700	24,0	245	250	approx. 300	238,00
HM1-2000-2G	2 x threaded	2000	700	24,0	245	250	approx. 300	238,00

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

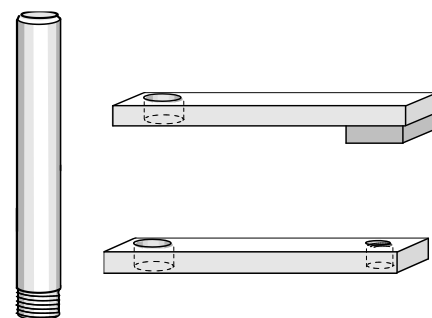
Accessories / Spare parts

Hold-down device with welded-on support, incl. column

Art.-No.	Designation	Price €/piece
NH-11	Hold-down device with welded-on support Column Ø 25 mm with thread M 24	13,00

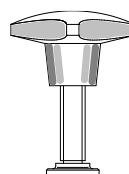
Hold-down device with thread M 16, incl. column

Art.-No.	Designation	Price €/piece
NH-21	Hold-down device with thread M 16 Column Ø 25 mm with thread M 24	13,00



Articulated pressure spindle

Art.-No.	Designation	Price €/piece
ZG-1	Articulated pressure spindle M 16 Cross handle 80 mm, Ø plate 32 mm	15,00



BGW magnetic holder type HM2 for lateral fixation of the formwork

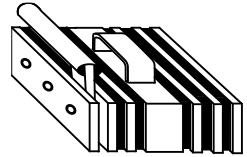
10/21^(10/21)

This magnet system is suitable for preventing the cladding from migrating to the side. Thanks to the centrally located handle, the magnet system can be positioned precisely without much effort.

The structure of the magnetic body compensates for unevenness of the formwork without loss of adhesive force.

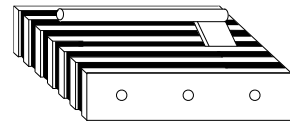
BGW Magnetic holder Type HM2 – Standard – with central grab handle and side release lever

Art.-No.	Adhesive force approx. medical history	Miscellaneous power	Weight approx. kg	Width Mm	Length mm	Height with lever mm	Magnet height 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



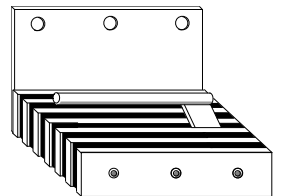
BGW magnet type HM2 – detachable lever in the middle

Art.-No.	Adhesive force approx. medical history	Miscellaneous power	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



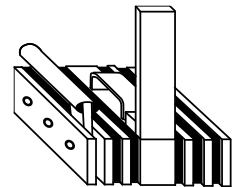
BGW magnet type HM2 – laterally welded support plate –with central detachment lever and nail holes on request

Art.-No.	Adhesive force approx. medical history	Miscellaneous power	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



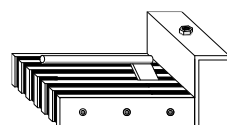
BGW magnet type HM2 – stop angle welded on the front side 90° –with central grab handle and side release lever

Art.-No.	Adhesive force approx. medical history	Miscellaneous power	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 magnet type HM2 – angle welded on the front side – with central detachment lever and welded-on nut on request

Art.-No.	Adhesive force approx. medical history	Miscellaneous power	Weight approx. kg	Width Mm	Length mm	Height with lever mm	Magnet height 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 magnetic holder type HM2 for lateral fixation of the formwork

04/22_(10/21)

BGW magnet type HM2 – for fixing door and window frames –

Old-reinforced magnet system with hold-down arm and conical formwork centering.

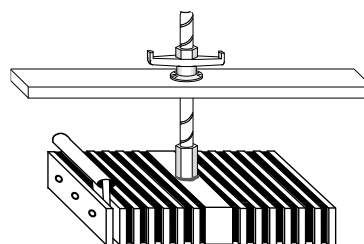
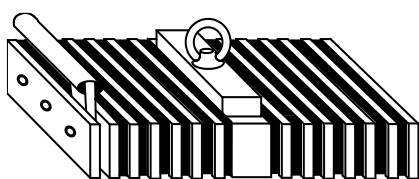
The magnetic body consists of iron plates, the magnetic plates made of plastic-bonded ferrite material installed in a north-south direction are axially magnetized. The tie rods passed through the magnetic body are made of stainless steel so that the field lines in the magnet system are not weakened or disturbed, which would weaken the adhesive force. The detachable lever is installed in the magnetic body on the side, not protruding from the outside.

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

Installation instructions:

The formwork is placed on top of the oiled formwork floor. The magnetic body is placed approximately in the middle of the larger recess for windows, doors, etc. The rod for the cross beam is screwed into the thread cut in the center pole of the magnet or into the thread welded on the center pole of the magnetic body. Through the hole in the middle of the crossbeam, the rod (threaded rod) is inserted into the middle of the magnet by means of the nut. The crossbeam is placed with both ends on the formwork and pressed firmly onto the formwork floor by tightening the nut.

Art.-No.	Execution with...	Adhesive force approx. kg	Different-Empowerment	Weight approx. kg	Width Mm	Length Mm	Height Mm	Price €/piece
HM2-2000-R	... central eyebolt	2000	700	18	235	250	50	210,00
HM2-2000-D	... central D&W(15)–Loop nut	2000	700	18	235	250	50	210,00
HM2-2000-G	... central thread M 20	2000	700	18	235	250	50	214,00



Threaded rod and wing nut sold separately!

W-Anchor Rod Nut/Slip Nut

Kind. No.	Weight medical history	Pkkg.-Unit Piece	Price € / Piece
070023	0,250	1	6,20



Dywidag Anchor Bar

Kind. No.	Length Mm	Weight medical history	Price € / Piece galvanized	Price € / Piece V2A	Price € / Piece V4A
07003	1120	1,790			
07001	1500	2,400			

BGW magnet type HM2 for lateral fixation of window and door formwork

11/21_(10/21)

Detach lever offset laterally – not protruding

Magnetic material: more resistant to hammer impact and more insensitive to temperature
plastic-bonded ferrite

Art.-No.	Adhesive force approx. medical history	Move - 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

Height max. 50mm.

For holding built-in parts, window frames, door frames.

Easy to use.

With side carrying and setting handle.

This magnet is easily released by the worker levering the carrying handle with his hammer or a piece of wood (roof batten) or iron rod.

Magnetic material: more resistant to hammer impact and more insensitive to temperature
plastic-bonded ferrite.

Art.-No.	Adhesive force approx. medical history	Move - force	Weight approx. kg	Width Mm	Length mm	Height Magnet 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 Magnetic holder HM1-Neodymium – Lightweight, strong magnet for holding down and laterally fixing the formwork

05/18^(05/18)

BGW Magnetic holder HM1 Neodymium is a further development of our proven BGW Magnetic holder HM1. Compared to its predecessor, the rubber-bonded ferrite magnets have been replaced by the sintered neodymium magnets. Due to the use of neodymium, HM1 neodymium is smaller and lighter than its predecessor and has a uniform size. The screws of the magnetic body have been replaced by a secure positive rivet connection. The shielding and positioning of the neodymium magnetic plates in the HM-1 magnetic body is carried out by means of an aluminum cage. The magnetic body is smooth all around, so at least 3 sides are suitable for working. BGW-HM1-Neodymium magnetic holders are equipped with an external or internal release lever depending on the customer's requirements. Two M24 holes are inserted in the magnetic body for screwing in stable hold-downs. The hold-down devices act like an impact clamp and fix the formwork to the control table. The hold-downs are infinitely height-adjustable and can be rotated by 360°.

The adhesive force of the magnets is determined in our in-house test laboratory. Test certificates are available on request.

Advantages

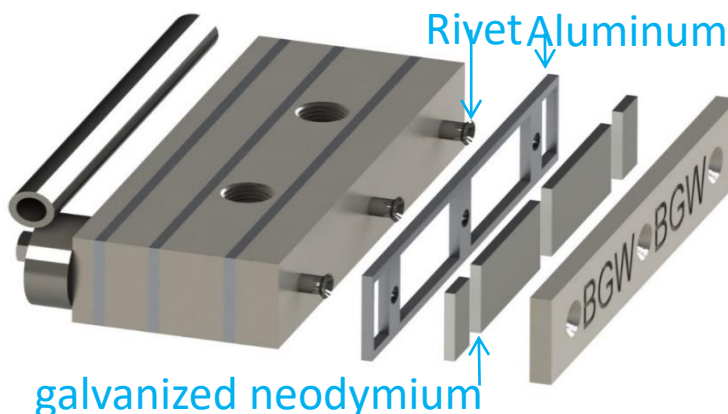
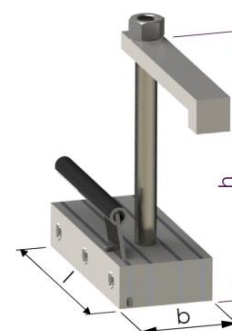
- Smaller external dimensions
- lower weight
- Uniform size
- Adhesive force up to 4100 kg
- Insensitive to impact
- Resistant to vibrations
- at least 3 pages suitable for working
- External or internal detachment lever



HM1 with support and external detachment lever



HM1 neodymium with pressure spindles and internal release lever



HM1 neodymium with 1x support

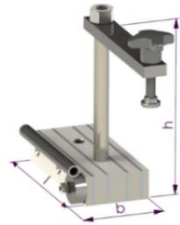
Art.-No.	Adhesive force approx. kg	Release lever	Length l [mm]	Width w [mm]	Height h [mm]	Clamping height [mm]	Weight medical history	Price €/piece
HM1-4100-51Aa	4100	outside	250	144	310	30-250	14,5	385,-
HM1-2500-51Aa	2500	outside	250	144	310	30-250	13,5	275,-
HM1-2500-51Ai	2500	inside	250	110	310	30-250	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 Magnetic holder HM1-Neodymium – Lightweight, strong magnet for holding down and laterally fixing the formwork

05/18(05/18)

HM1 neodymium with 2x supports

Art.-No.	Adhesive force approx. kg	Release lever	Length l [mm]	Width w [mm]	Height h [mm]	Clamping height [mm]	Weight medical history	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

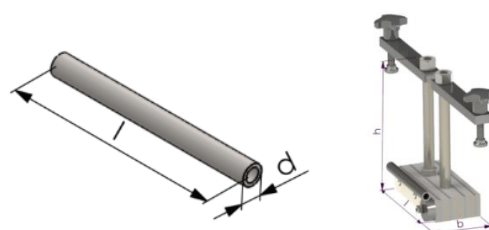
Art.-No.	Adhesive force approx. kg	Release lever	Length l [mm]	Width w [mm]	Height h [mm]	Clamping height [mm]	Weight medical history	Price €/piece
HM1-4100-51Ga	4100	outside	250	144	340	35-255	14,5	390,-
HM1-2500-51Ga	2500	outside	250	144	340	35-255	13,5	280,-
HM1-2500-51Gi	2500	inside	250	110	340	35-255	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

Art.-No.	Adhesive force approx. kg	Release lever	Length l [mm]	Width w [mm]	Height h [mm]	Clamping height [mm]	Weight medical history	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 Replacement Leverage Extension

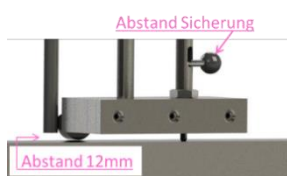
Art.-No.	Length l [mm]	Outside Ø w [mm]	Weight medical history	Price €/piece
56127	300	26,9	0,366	10,00



BGW hold-down column with distance protection

At the customer's request, the hold-down column can be equipped with a spacer protection. This safety device makes it possible to stop HM1 before it is fully placed on the formwork in order to precisely adjust the final position of the magnetic holder without hammer blows.

Art.-No.	Length l [mm]	Width w [mm]	Height h [mm]	Weight medical history	Price €/piece
NH31	300	42	86	1,2	25,00



BGW Magnetic holder HM2-Neodymium – Lightweight, strong magnet for holding the formwork laterally

04/18(04/18)

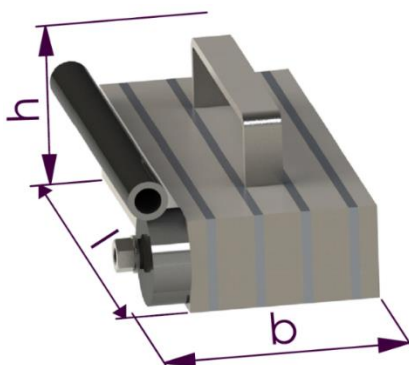
BGW Magnetic holder HM2 Neodymium is a further development of our proven BGW Magnetic holder HM1. Compared to its predecessor, the rubber-bonded ferrite magnets have been replaced by the sintered neodymium magnets. By using neodymium, HM2 neodymium is smaller and lighter than its predecessor and has a uniform size. The screws of the magnetic body have been replaced by a secure positive rivet connection. The shielding and positioning of neodymium magnetic plates in the HM-2 magnetic body is done by aluminum plates.

The magnetic body is smooth all around, so at least 3 sides are suitable for working. BGW-HM2 neodymium magnets are equipped with an external or internal release lever depending on the customer's requirements.

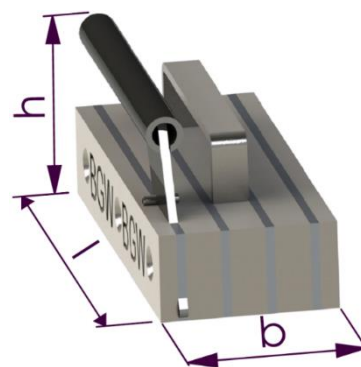
The adhesive force of the magnets is determined in our in-house test laboratory. Test certificates are available on request.

Advantages

- **Smaller external dimensions**
- **lower weight**
- **Adhesive force up to 4100 kg**
- **Uniform size**
- **Insensitive to impact**
- **Resistant to vibrations**
- **at least 3 pages suitable for working**
- **External or internal detachment lever**



HM2 neodymium with external detachment lever



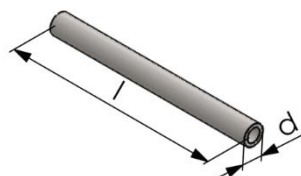
HM2 neodymium with internal detachment lever

HM2 Neodymium

Art.-No.	Adhesive force approx. kg	Release lever	Length l [mm]	Width w [mm]	Height h [mm]	Weight medical history	Price €/piece
HM2-4100-5A	4100	outside	250	134	89	11	400,-
HM2-2500-5a	2500	outside	250	134	89	10	288,-
HM2-2500-5i	2500	inside	250	100	106	10	288,-
HM2-1500-5a	1500	outside	250	134	89	10	233,-
HM2-1500-5i	1500	inside	250	100	106	10	233,-
HM2-850-5a	850	outside	250	134	89	9	180,-
HM2-850-5i	850	inside	250	100	106	9	180,-

BGW Replacement Leverage Extension

Art.-No.	Length l [mm]	Outside Ø d [mm]	Weight medical history	Price €/piece
56127	300	26,9	0,366	10,-



BGW magnetic holder type HM3 for substructure in the U-profiles, the shuttering profiles

06/14_(07/06)

This magnetic holder system is designed for installation in shuttering profiles, which can be used as transverse or longitudinal shut-offs during production of prefabricated slabs.

On request, this magnetic holder for installation in shuttering profiles is also available with a bevel of 5 x 45°, other cut-outs or suitable for robots.



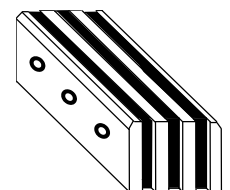
The magnetic holders are not screwed, but form-fitting riveted with stainless steel

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

The shuttering profiles suitable for this magnet system can be obtained from us on request or according to a sketch.

HM3 Bare Ferrite Neodymium

Art.-No.	Adhesive force approx. kg	Miscellaneous power	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



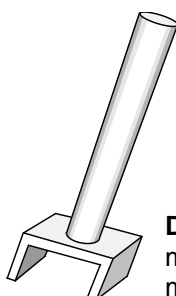
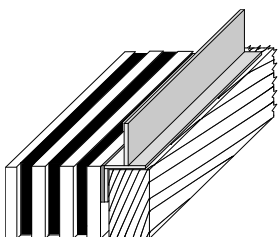
HM3 galvanized on request!

Special:

HM3 with angle for parking roof battens

HM3 with double-sided Stainless steel nuts

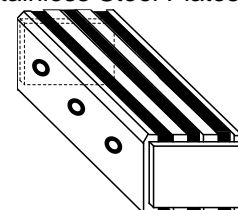
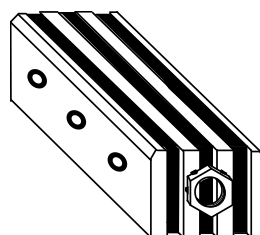
HM3 with front Stainless Steel Plates



Detachable lever

made of magnetic steel Price: €44.00/piece

made of non-magnetic steel Price: €72.00/piece



BGW shuttering profiles for formwork of filigree ceiling tiles, double walls

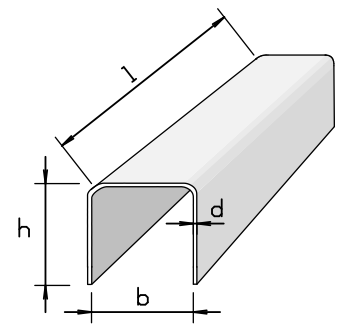
03/18_(05/18)

for panel ceiling and double wall production

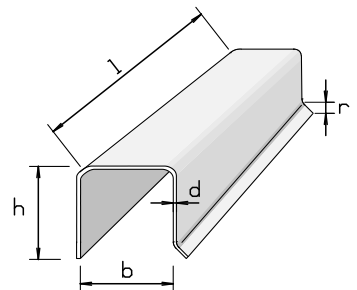
The BGW shuttering profiles are available in different designs depending on the intended use. Information on profile, length and price is available on request. Profile length up to max. 4 meters. Profiles are folded from a single piece. Profiles in special heights are available on request.

U-profile, folded, unplaned

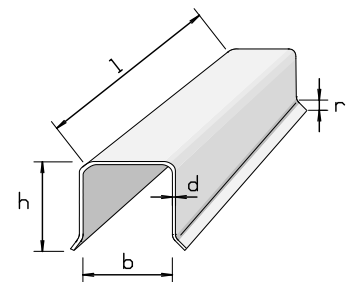
Art.-No.	Chamfer	Weight kg/m	Width inside b mm	Height h mm	Wandst. d mm	Fibre	for magnet HM3-	Price €/piece
3502	without	3,46	32 + 0,5	60	3	10 x 45°	32-140-2 32-250-2	
3504	Without	4,61			4			
3506	unilateral	3,55			3			
3508	unilateral	4,73			4			
3510	bilateral	3,59			3			
3512	bilateral	4,79			4			
3514	without	3,64	40 + 0,5		3		40-140-2 40-250-2	
3516	without	4,85			4			
3518	unilateral	3,73			3			
3520	unilateral	4,98			4			
3522	bilateral	3,77			3			
3524	bilateral	5,03			4			
3526	without	3,87	50 + 0,5	3	50-140-3 50-250-3			
3528	without	5,15		4				
3530	unilateral	3,96		3				
3534	unilateral	5,28		4				
3536	bilateral	4,00		3				
3538	bilateral	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	unilateral	4,05		3				
3546	unilateral	5,40		4				
3548	bilateral	4,09		3				
3550	bilateral	5,45		4				
3552	without	3,68	32 + 0,5	65	3	32-140-2 32-250-2		
3554	without	4,91			4			
3556	unilateral	3,78			3			
3558	unilateral	5,04			4			
3560	bilateral	3,82			3			
3562	bilateral	5,09			4			
3564	without	3,87	40 + 0,5		3	40-140-2 40-250-2		
3566	without	5,15			4			
3568	unilateral	3,96			3			
3570	unilateral	5,28			4			
3572	bilateral	4,00			3			
3574	bilateral	5,33			4			
3576	without	4,09	50 + 0,5	3	50-140-3 50-250-3			
3578	without	5,46		4				
3580	unilateral	4,19		3				
3582	unilateral	5,58		4				
3584	bilateral	4,23		3				
3586	bilateral	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	unilateral	4,28		3				
3594	unilateral	5,70		4				
3596	bilateral	4,32		3				
3598	bilateral	5,76		4				
3600	without	3,91	32 + 0,5	70	3	32-140-2 32-250-2		
3602	without	5,22			4			
3604	unilateral	4,01			3			
3606	unilateral	5,34			4			
3608	bilateral	4,05			3			
3610	bilateral	5,39			4			
3612	without	4,09	40 + 0,5		3	40-140-2 40-250-2		
3614	without	5,46			4			
3616	unilateral	4,19			3			
3618	unilateral	5,58			4			
3620	bilateral	4,23			3			
3622	bilateral	5,64			4			
3624	without	4,32	50 + 0,5	3	50-140-3 50-250-3			
3626	without	5,76		4				
3628	unilateral	4,41		3				
3630	unilateral	5,89		4				
3632	bilateral	4,45		3				
3634	bilateral	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	unilateral	4,51		3				
3642	unilateral	6,01		4				
3644	bilateral	4,55		3				
3646	bilateral	6,06		4				



without chamfer



one-sided bevel



Bevel on both sides

Prices on request

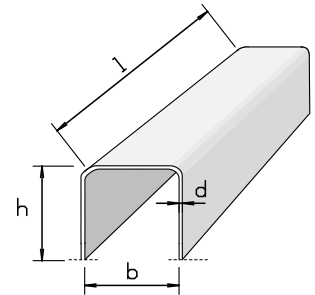
BGW shuttering profiles for formwork of filigree ceiling tiles, double walls

03/18^(05/18)

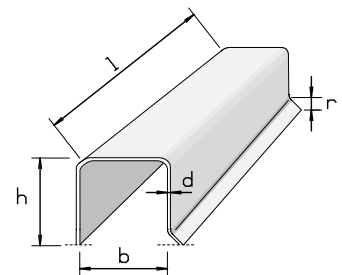
The *BGW* shuttering profiles are available in different designs depending on the intended use. Information on profile, length and price is available on request. Profile length up to max. 4 meters. Profiles are folded from a single piece and planed flat.

U-profile, folded and planed

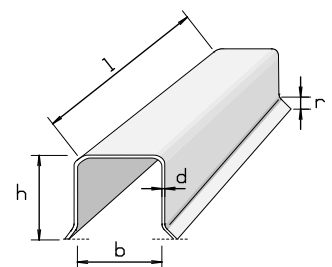
Art.-No.	Chamfer	Weight kg/m	Width inside b mm	Height h mm	Wandst. d mm	Fibre	for magnet HM3-	Price €/piece
3502G	without	3,46	32 + 0,5	60	3	10 x 45°	32-140-2 32-250-2	Prices on request
3504G	without	4,61			4			
3506G	unilateral	3,55			3			
3508G	unilateral	4,73			4			
3510G	bilateral	3,59			3			
3512G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



without chamfer



one-sided bevel



Bevel on both sides

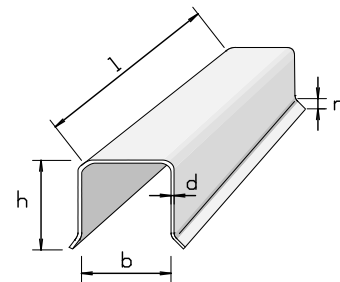
BGW-U-profiles in special heights for formwork of filigree ceiling tiles, double walls higher 80mm

03/18_(05/18)

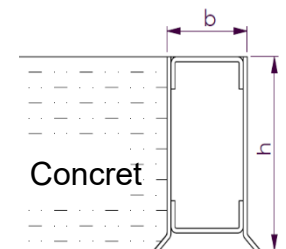
The BGW shuttering profiles are available in different versions depending on the intended use. The planed design has the advantage that production-related unevenness on the contact surface is eliminated, so that no concrete can enter the profile. Chamfered profiles have the advantage of facilitating demoulding and preventing the appearance of brittle corners on the precast concrete element. All shutters are available without, with single-sided or double-sided chamfers. On request, cross braces can be inserted into the profiles to achieve the necessary rigidity.

BGW-U profiles in special heights

Art.-No.	Width inside b mm	Height h mm	Wandst. d mm	Fibre	for magnet HM3-	Price €/piece
	32 + 0,5	85	3	10 x 45°	32-140-2	Prices on request
			4		32-250-2	
	40 + 0,5		3		40-140-2	
			4		40-250-2	
	50 + 0,5		3		50-140-3	
			4		50-250-3	
	54 + 0,5		3		54-140-3, 54-250-3	
			4		54-140-4, 54-250-4	
	32 + 0,5	100	3		32-140-2	
			4		32-250-2	
	40 + 0,5		3		40-140-2	
			4		40-250-2	
	50 + 0,5		3		50-140-3	
			4		50-250-3	
	54 + 0,5		3		54-140-3, 54-250-3	
			4		54-140-4, 54-250-4	
	32 + 0,5	150	3		32-140-2	
			4		32-250-2	
	40 + 0,5		3		40-140-2	
			4		40-250-2	
	50 + 0,5		3		50-140-3	
			4		50-250-3	
	54 + 0,5		3		54-140-3, 54-250-3	
			4		54-140-4, 54-250-4	
	32 + 0,5	200	3	32-140-2		
			4	32-250-2		
	40 + 0,5		3	40-140-2		
			4	40-250-2		
	50 + 0,5		3	50-140-3		
			4	50-250-3		
	54 + 0,5		3	54-140-3, 54-250-3		
			4	54-140-4, 54-250-4		



Prices on request



Profiles in different heights and dimensions are available on request.

BGW shuttering profile, sharp-edged

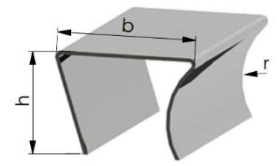
With the BGW sharp-edged shuttering profile, it is possible to fill concrete up to the upper edge of the shuttering profile and to flatten the concrete surface without disturbing bending radius. Alternatively, a triangular strip can also be attached to the upper edge of the shuttering profile. Profile length up to max. 4 meters.



BGW shuttering profile for Traunsteiner silage clamp

This BGW shuttering profile makes it possible to produce concrete walls with rounded corners. Concrete walls with rounded corners do not damage the tarpaulins, which means that they remain in use for longer.

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

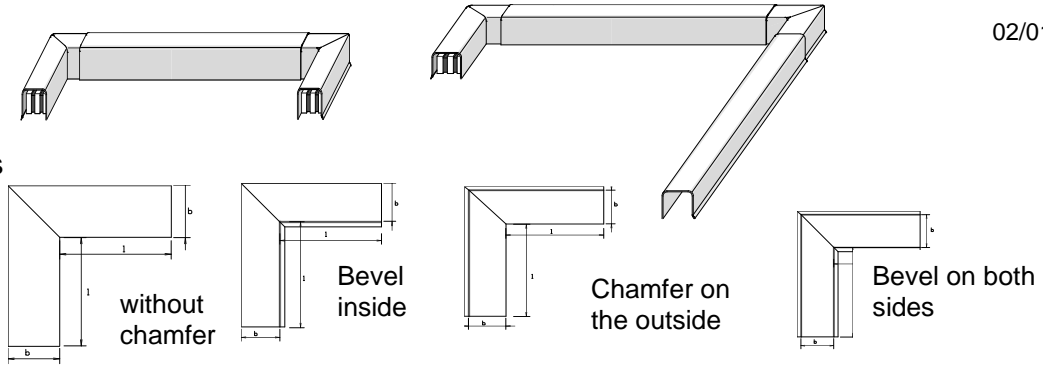


Corners 90° suitable for shuttering profiles – Height 60 mm

02/01(05/01)

for shuttering:

- Doors
- Windows
- Breakthroughs
- and so on.



Art.-No.	Width w [mm]	Height h [mm]	Price €/meter
3640-120G-2F	60	120	52,10

Art.-No.	Width w [mm]	Height h [mm]	Curve r [mm]	Price €/meter
3655	112	80	56	60,00

Art.-No.	Bevel 10 x 45°	Leg length l mm	Width inside b mm	Height h mm	Wall thickness d mm	for magnet HM3	Price €/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	Inside	150	32 + 0,5	60	3		46,02
35003	Inside	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	bilateral	150	32 + 0,5	60	3		46,02
35007	bilateral	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	bilateral	150	40 + 0,5	60	3		46,02
35015	bilateral	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	bilateral	150	50 + 0,5	60	3		46,02
35023	bilateral	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	bilateral	150	54 + 0,5	60	3		46,02
35031	bilateral	150	54 + 0,5	60	4	46,02	

Heights 65 and 70 mm see page 2! Other dimensions are available on request!

Corners 90° suitable for shuttering profiles - height 65 and 70 mm

02/01 (05/01)

for shuttering: - doors, - windows, openings

Art.-No.	Bevel 10 x 45°	Thigh.- l mm	B. inside w 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	bilateral	150	32 + 0,5	65	3		46,02	
35039	bilateral	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	bilateral	150	40 + 0,5	65	3	46,02		
35047	bilateral	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	bilateral	150	50 + 0,5	65	3		46,02	
35055	bilateral	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	bilateral	150	50 + 0,5	65	3	46,02		
35063	bilateral	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	bilateral	150	32 + 0,5	70	3		46,02	
35071	bilateral	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	bilateral	150	40 + 0,5	70	3	46,02		
35079	bilateral	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	bilateral	150	50 + 0,5	70	3		46,02	
35087	bilateral	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	bilateral	150	54 + 0,5	70	3	46,02		
35095	bilateral	150	54 + 0,5	70	4	46,02		

BGW magnetic holders type HM4 for fixing threaded anchors on the steel formwork

09/22^(09/22)

with replaceable threaded pin

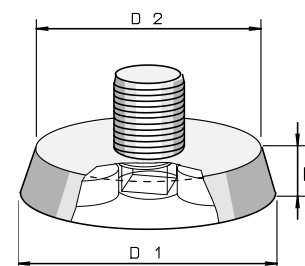
These **BGW** magnets are specially designed for attaching transport anchors to steel formwork. In contrast to the previously known magnetic holders used for this purpose, the neodymium magnets used for this purpose result in a very high adhesive force even in a small space. Differing heights or \varnothing of the plate is available on request. **Threaded pins are either replaceable or welded in.** It is possible to retrofit the adhesive force.

BGW magnetic holder systems for fixing transport anchors are an important component of the **BGW** transport anchor system. **BGW** magnetic retaining washers are therefore dimensionally accurate and fit only for our lifters, as well as stainless steel locking screws, so that when using other, non-**BGW** components, the system affiliation is left and the warranty for the complete transport anchor system expires.

BGW magnet type HM4 with replaceable threaded pin (and retaining ring/seeger ring)

Art.-No.	Wt spigot	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					

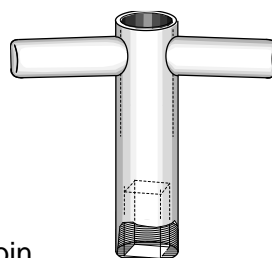
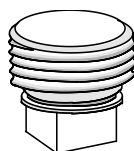
Note: Each magnet is used individually in an exact countersink in order to prevent the entire system from being severely weakened in the event of breakage of the



BGW threaded pin for HM4

When delivered, the magnetic plate is equipped with a threaded pin of a certain size, but it can also be used in conjunction with other sizes. In order to gain a certain flexibility, this threaded pin can also be ordered independently of the magnetic plate. An easy replacement of the threaded pins is made possible by a retaining ring, with the help of which the pin is attached to the underside of the plate.

Art.-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



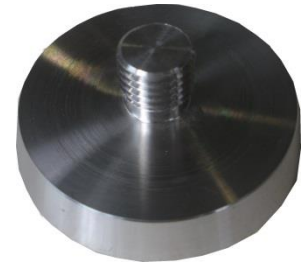
BGW wrench for HM4

This is a square wrench with the help of which the threaded pin of the magnetic holder type HM4 is screwed into the internal thread of the armature. After concreting, the magnet is **removed from the hard concrete** by turning it to the left.

Art.-No.	Designation	€/piece
KeyHM4	Square wrench	6,14

BGW threaded plug screw made of stainless steel for HM4

Art.-No.	Thread-cone	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 sealing disc made of stainless steel for type HM4 for gluing (fastening by means of silicone)

09/22_(09/22)

Art.-No.	Concrete cover d mm	Ø D1 Mm	Price € Piece
0911	2	46	8,00
09111	2	53	
09113	2	64	



BGW sealing disc made of glass fibre reinforced concrete for type HM4 for gluing in place (fastening by means of silicone)

Art.-No.	Ø D1 Mm	Ø D2 Mm	Height h mm	Price € Piece
HM4-3-VSF	64	59	11	2,10

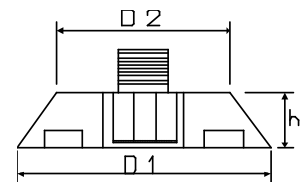


BGW magnetic holders type HM4 with welded-in threaded pin

09/22_(09/22)

BGW magnet type HM4 with welded-in threaded pin with inner 6-point (an Allen key Ø10 mm is used for this)

Art.-No.	Threaded pin	Adhesive force kg	D 1mm	D 2mm	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: Each magnet is used individually in an exact countersink in order to prevent the entire system from being severely weakened in the event of breakage of the individual magnet.

Weld-in set for HM4

consisting of threaded pin and threaded bushing

Threaded pin		Threaded bushing			Price € Piece
Art.-No.	Size	Art.-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 pin

BGW magnet type HM4 with welded-in threaded pin for a 24 mm socket wrench (to absorb greater torque)

Art.-No.	Thread-cone	Adhesive force medical history	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 - weld-in set consisting of:

Hex head screw		Threaded bushing				Price € Piece
Art.-No.	Size	Art.-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	5,60
		56963	M30	16	22	5,60
		56965	M36	16	22	8,40
		56966	M42	16	22	12,80
		56967	M52	16	22	21,00



BGW sealing disc made of glass fibre reinforced concrete for type HM4 with welded-in threaded pin for gluing in (fastening by means of silicone)

Art.-No.	Ø D1 Mm	Ø D2 Mm	Height h mm	Price € Piece
HM4-3-VSF	64	59	11	2,10



BGW sealing disc made of glass fibre reinforced concrete for type HM4 with welded-in threaded pin for a 24 mm socket wrench (to absorb a larger torque) for gluing in (Fastening by means of silicone)

Art.-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

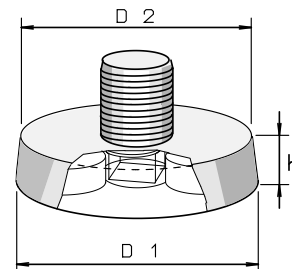


BGW magnetic holders type HM4-P for fixing threaded anchors on the steel formwork, suitable for the Pfeifer system

09/22(09/22)

BGW magnetic holder type HM4-P suitable for Pfeifer system

Art.-No.	Thread	Adhesion 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	12	81,24
HM4-P-24	M24	150	78,2	74		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 Magnetic holder with Replaceable Threaded Trunnion and Ferrite Magnets

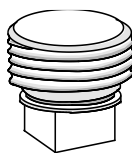
Art.-No.	Threaded pin	Adhesive force kg	D1/mm	D2/mm	Height/mm	Price €/piece
HM4-F	M8-24	10	52	50	11	38,00

BGW threaded pin for HM4

09/22(09/22)

When delivered, the magnetic plate is equipped with a threaded pin of a certain size, but it can also be used in conjunction with other sizes. In order to gain a certain flexibility, this threaded pin can also be ordered independently of the magnetic plate. An easy replacement of the threaded pins is made possible by a retaining ring, with the help of which the pin is attached to the underside of the plate.

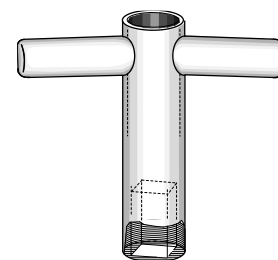
Art.-No.	Thread	€ Piece
56131-08	M8	6,50
56153	M10	6,50
56131	M12	6,50
56132	M14	6,50
56133	M16	6,50
56134	M18	6,50
56135	M20	6,50
56136	M24	6,50



BGW wrench for HM4

This is a square wrench with the help of which the threaded pin of the magnetic holder type HM4 is screwed into the internal thread of the armature. After concreting, the magnet is **removed from the hard concrete** by turning it to the left.

Art.-No.	Designation	€ Piece
KeyHM4	Square wrench	6,14



BGW magnet type HM4-P with welded-in threaded pin for a 24 mm socket wrench (to absorb greater torque)

Art.-No.	Thread	Adhesive force medical history	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: weld-in set

Hex head screw		Threaded bushing			Price € Piece
Art.-No.	Size	Art.-No.	Thread size	Ø inside mm	
5624320	M 16 x 20	56964	M30	16	5,60
		56965	M36		8,40
		56966	M42		12,80
		56967	M52		21,00

BGW threaded plug screw made of stainless steel for HM4-P

Art.-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

Note: Each magnet is used individually in an exact countersink in order to prevent the entire system from being severely weakened in the event of breakage of the individual magnet.

BGW sealing disc made of glass fibre reinforced concrete for type HM4-P suitable for Pfeifer system for gluing (fastening by means of silicone)

Art.-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



BGW sealing disc made of glass fibre reinforced concrete for type HM4-F magnetic holder with replaceable

Threaded journals and ferrite magnets

Art.-No.	Ø D1 Mm	Ø D2 Mm	Height h mm	Price € Piece
HM4-F-VSF	51	49	10	4,25



BGW sealing disc made of glass fibre reinforced concrete for type HM4-P with welded-in threaded pin for a

24 mm socket wrench

Art.-No.	Ø D1 Mm	Ø D2 Mm	Height h mm	Price € Piece
HM4-P-30-VSF	93,2	89	11	13,56
HM4-P-36-VSF	104,2	100	11	16,74
HM4-P-42-VSF	114,3	109	14	20,06
HM4-P-52-VSF	134,3	129	14	27,92

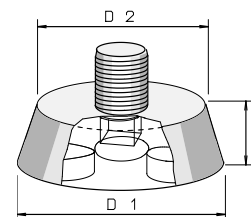


BGW magnetic holders type HM4-D for fixing threaded anchors on the steel formwork, suitable for DEHA perfect head

09/22^(09/22)

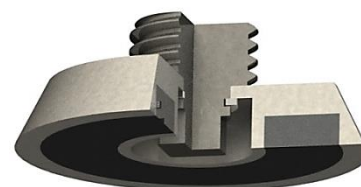
BGW magnet type HM4-D suitable for DEHA perfect head with replaceable threaded pin (and retaining ring/seeger ring):

Art.-No.	Thread	Adhesive force medical history	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

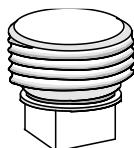


BGW threaded pin for HM4

When delivered, the magnetic plate is equipped with a threaded pin of a certain size, but it can also be used in conjunction with other sizes. In order to gain a certain flexibility, this threaded pin can also be ordered independently of the magnetic plate. An easy replacement of the threaded pins is made possible by a retaining ring, with the help of which the pin is attached to the underside of the plate.

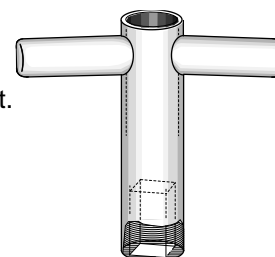


Art.-No.	Thread	€ Piece
56135	M20	6,50
56136	M24	6,50



BGW wrench for HM4

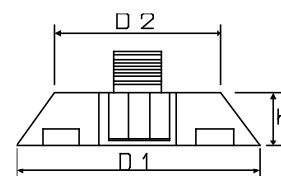
This is a square wrench with the help of which the threaded pin of the magnetic holder type HM4 is screwed into the internal thread of the armature. After concreting, the magnet is **removed from the hard concrete** by turning it to the left.



Art.-No.	Designation	€ Piece
KeyHM4	Square wrench	6,14

with welded-in threaded pin for Allen keys:
(an Allen wrench Ø5 mm is used for this)

Art.-No.	Thread	Adhesive force medical history	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)

Art.-No.	Thread	Adhesive force medical history	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 sealing disc made of stainless steel for HM4-D on request

Replaceable threaded pin for Allen wrench - weld-in set consisting of:

Art.-No.	Threaded pin	Art.-No.	Threaded bushing	Ø female socket (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

Art.-No.	Designation	€ Piece
54006	Neodymium Magnet N40 Ø19,5x7	5,57
80019-1	Adhesive, High Strength, 10ml	14,50



Note: Each magnet is used individually in an exact countersink in order to prevent the entire system from being severely weakened in the event of breakage of the individual magnet.

Sealing disc made of glass fibre reinforced concrete for type HM4-D suitable for DEHA perfect head with replaceable threaded pin

Art.-No.	Ø D1 Mm	Ø D2 Mm	Height h mm	Price € Piece
HM4-D-VSF	54	44	9	4,35



Glass Fibre Reinforced Concrete Sealing Washer for Type HM4-F Magnetic holder with Replaceable Threaded Trunnion and Ferrite Magnets

Art.-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



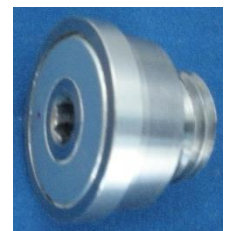
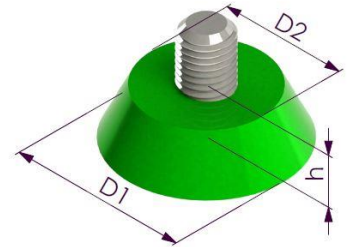
BGW magnetic holders type HM4 for fixing threaded anchors on the steel formwork

09/22(09/22)

BGW magnets type HM4 made of PU

These magnets are specially used for fastening threaded transport anchors to steel formwork. Due to the neodymium magnet used, a high adhesive force is achieved in a small space. Different heights or Ø of the plate are available on request.

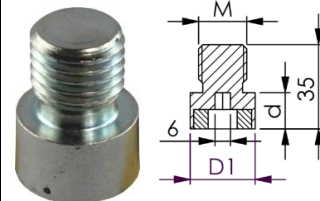
Art.-No.	Thread -cone	Adhesive force medical history	D 1 Mm	D 2 Mm	Height Mm	Price €/piece
HM4-8-1PU	M8	35	40	30	12	84,00
HM4-10-1PU	M10					
HM4-12-1PU	M12					
HM4-14-1PU	M14					
HM4-16-1PU	M16					
HM4-18-1PU	M18					
HM4-20-1PU	M20					
HM4-24-1PU	M24					
HM4-30-1PU	M30					
HM4-36-1PU	M36				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



BGW-Magnetic holder HM4 - Retaining plug made of steel, magnetic, galvanized 09/22(09/22) (for Allen wrench SW 6)

For recessed installation of threaded anchors for higher Corrosion protection or higher concrete coverage

Art.-No.	Thread M	Concrete - cover d mm	Ø D1 mm	Allen mm	Weight medical history	Adhesion force medical history	Pkkg.-unit	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



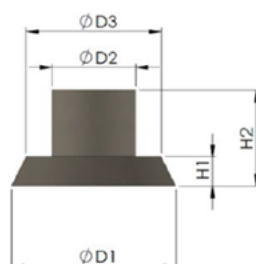
Sealing pane made of glass fibre reinforced concrete for type HM4 made of PU

Art.-No.	Ø D1 Mm	Ø D2 Mm	Height h mm	Price € Piece
HM4-1PU-VSF	39	29	11	1,89



Concrete sealing plug for gluing

Art.-No.	Ø D1 mm	H1 mm	Ø D2 mm	H2 mm	Ø D3 mm	Pkkg.-unit	Price €/piece	For Art.-No:
56640V	26,5	14,5			25,5	100	3,20	56601/56611/56621/56631
56641V	48	6	41	19	47	100		56641



BGW magnetic holder HM4 with step pin for attaching plastic dowels, for fixing during concreting

10/22_(09/22)

Magnetic holder of potting dowels

The fit of the clip-on pins is adjusted to the dowels.

Before attaching the dowel or to make it easier to remove the magnet, the pin must be greased.

Art.-No.	Pin Ø Mm	Length Mm	Adhesive force medical history	Concrete- cover	Magnetic Disk D1 D2 mm	Price €/piece
HM4-3 step pin	11 x 9	38	60	12	65 x 60	80,00
HM4-6 step pin	11 x 9	38	120	12	65 x 60	93,00



BGW Magnetic holder HM4 with Dywidag Thread

The BGW Magnetic holder HM4 with Dywidag thread is **specially designed for fastening anchor sleeves to steel formwork**. The magnets are available with different thread lengths so that any type of anchor sleeve can be securely attached. Different heights or Ø of the plate are available on request. It is possible to retrofit the adhesive force. The welded-in threaded pin can be easily and conveniently detached from the formwork with a Ø10 mm Allen key.

Art.-No.	Thread DW Ø mm	Thread -length Mm	Adhesive force medical history	Concrete- cover	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 head screw		Threaded bushing				Price €/piece
No.	Size mm	No.	Thread size	Thread length	Ø insid e	
561311	Ø8,5x16	569703	DW Ø 15 mm	20 mm	9 mm	4,50
561312	M8x15	569704		60 mm	M8	5,50

Note: Each magnet is inserted individually in an exact countersink in order to prevent the entire system from being severely weakened in the event of breakage of the individual magnet.

BGW magnetic holder HM4 for plastic potting dowels

Art.-No.	Thread	Adhesive force medical history	Concrete- cover	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 potting dowels

Another advantage of the BGW plastic grouting dowels is that they are securely fixed to the formwork by means of screwed-in threaded pins and magnets. On the construction site, the support can be fixed by means of a wood screw.

Art.-No.	Thread	Wood- screw	Ø	Move-out value Concrete	Height Mm	Price €/piece
51200	M20	Ø12	40	0.8t	57	

BGW hexagon wood screw DIN 571

Art.-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 magnetic holder type HM4-R for fixing KG and other plastic pipes on the steel formwork

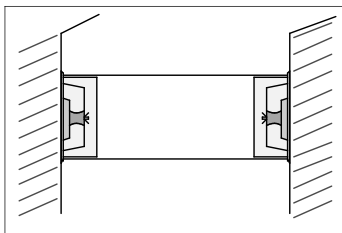
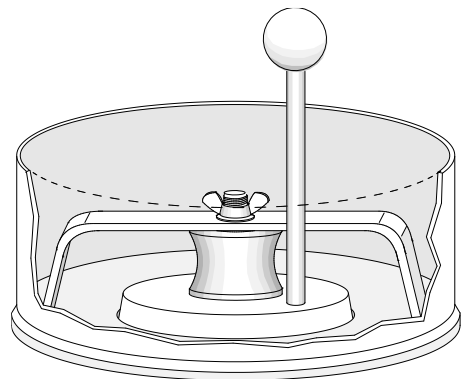
09/22(09/22)

These BGW magnets are especially suitable for fastening HT and KG pipes to steel formwork. Areas of application: shaft bases, ceilings, walls, trusses, etc.

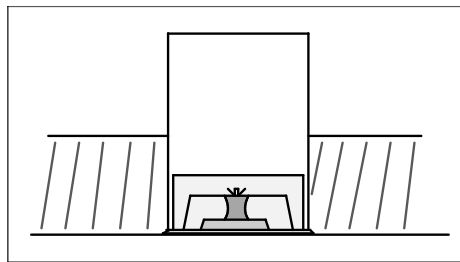
The socket plug is positioned on the formwork with the magnet. The corresponding HT or KG pipe is plugged in, the precast part is concreted and the hardened concrete part is lifted off the formwork. The magnet can now be removed with the lever. The built-in rubber buffer absorbs forces applied to the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

BGW magnet type HM4-R incl. socket plug

Art.-No.	for pipes Ø Mm	Adhesive force medical history	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



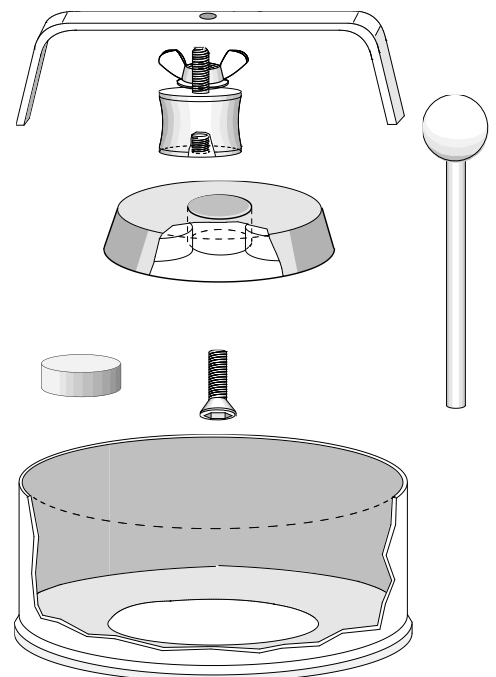
in the case of upright formwork, the opening is fixed with 2 magnets



Installation example

Spare Parts / Accessories

Art.-No.	Designation	Dimensions mm	€/piece
	Detachable lever		
56337	Wing nut	M8	
	Stirrup	Width 60	
	Clamping element	M8	
56138	Magnetic plate with 3 holes	exterior Ø 65	
56130	Magnetic plate with 6 holes	exterior Ø 65	
54006	Magnetic insert made of NE 35	Ø 19.5 x 7	5,57
	Socket screw	M8	
56490	Socket plug with hole, for	Ø 70	
56491	Socket plug with hole, for	Ø 100	
56492	Socket plug with hole, for	Ø 125	
56493	Socket plug with hole, for	Ø 150	



Note: Each magnet is used individually in an exact countersink in order to prevent the entire system from being severely weakened in the event of breakage of the individual magnet.

BGW Magnetic holder Type HM4-13

09/22(09/22)

double-sided magnet for threaded anchors

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



Before use, this double-sided magnetic retaining disc must be waxed vigorously with release agent. The threaded sleeve is attached with the slightly greased thread to the protruding pin of the double-sided magnetic retaining washer until it sits on the back of the magnetic retaining washer. 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 during loading the feeding system, setting it on the steel formwork and concreting.

The highest adhesion of the threaded sleeve is achieved when there is a flange (or a nail plate) on the front side of the threaded sleeve, which rests on the back of the magnet of the retaining washer.

The magnetic retaining disc is placed on the steel formwork with the magnetically attached threaded sleeve and held securely during the concreting process.

This magnetic retaining disc is removed from the concreted threaded sleeve, either a ferromagnetic material is allowed to adhere to the front side of the magnetic retaining disc and thus remove the magnetic body from the threaded sleeve, or another possibility is to blow compressed air into the central hole in the front side of the retaining disc, whereby the retaining disc is pushed out of the still fresh concrete.

When you order such double-sided magnetic retaining discs, please always indicate whether you would like them to have them with compressed air ejection.

BGW Magnetic holder Type HM4-13

Art.- No.	Ø Retaining washer Mm	Height of retaining disc mm	Trunnion for threads	Adhesive force Retaining disc medical history	Adhesive force on the sleeve side medical history	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 eyelet sleeve with retaining plate and shaft end – galvanized

Art.-No.	Load level t	Type dxh Mm	d Sleeve mm	One-screw depth max. mm	P Mm	Pd Mm	g Mm	Pkged Unit 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 magnetic holder type HM4 for holding scaffolding sleeves on the steel formwork

10/23_(10/23)

The magnetic body, which is protected with release agent, is pushed into the opening of the scaffold sleeve.

To ensure that the scaffolding sleeve in which the magnet is located cannot float up during concreting and that no concrete gets into the scaffolding sleeve, the front side must be masked or closed with a thin adhesive tape.

The last two digits of the article numbers are the measurement of the square of the magnetic body.



Art.-No.	Adhesive force medical history	Square	Pkkg. unit	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



Shaft magnet (ASK) for installing transport anchors such as concrete loops, brackets, etc.

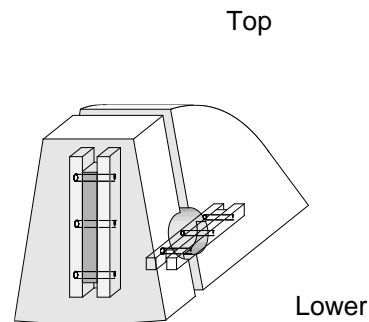
09/21_(05/01)

PU recess body magnetic

Magnetic PU recess body for fixing transport loops or transport brackets in concrete shaft production.

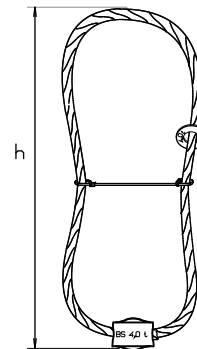
Shaft magnet

Art.-No.	Designation	€/piece
Shaft magnet	Recess body, 2-piece	76,69



Concrete loop made of wire rope, galvanized

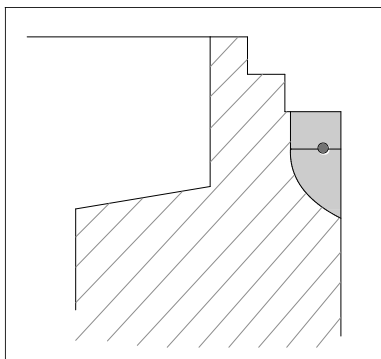
Art.-No.	Loading step	Rope Ø	€/piece
4508	2.5 t	10 mm	2,90
4510	4.0 t	12 mm	4,10



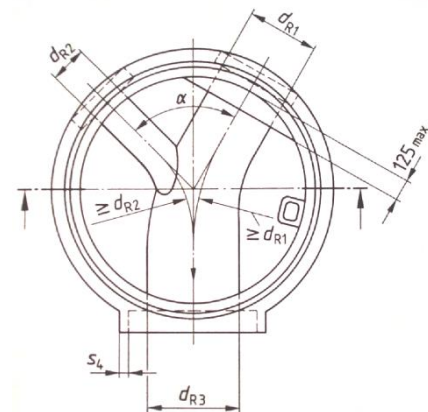
Installation instructions:

1. Spray the formwork and recess with release agent
2. Place the lower part of the recess body (small, rectangular) with the magnet on the socket side or on the bottom of the shaft
3. Insert the rope or transport bracket into the provided rounding and attach it to reinforcement
4. Place the 2nd half of the recess body (round) on the 1st half, position it with a magnet on the formwork sheath so that transitions are smooth
5. after concreting and hardening, pull the shaft and remove the recess body

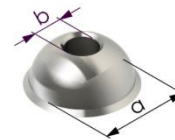
Install 3 recess bodies per socket (circumference of the lower part of the shaft in thirds) or determine the centre of gravity.



Installation example in the lower part of the shaft DIN 1



BGW Magnetic holder Type HM5 – Capstan lifter Accessories



10/23_(10/23)

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

Art.-No.	for load step t	Outside Ø with chamfer Mm	Outside Ø without chamfer a mm	Concrete-cover Mm	Inner Ø w [mm]	Adhesive force medical history	Weight medical history	€/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 body round and egg-round, made of steel or PU, as well as magnetic holder type HM5

The sleeves for supporting the KKA capstan lifter are placeholders so that no concrete can flow into the recess into which the KKA lifters are hooked after the KKA lifts have been formed.

The slotted cuffs are unfolded and placed around the anchor shaft below the anchor head and then closed again.

To ensure that the KKA can be easily pressed into the recess body ASK with the cuff, it is advisable to wet the ASK and the cuff with release agent.

Before placing an order, the customer must measure the Ø for the anchor head in the ASK in order to be able to order the correct outer diameter of the cuff.

The customer must also pay attention to the load level of the anchor that is installed with the sleeve in order to be able to select the correct inner diameter of the sleeve.

Art.-No.	for load level t	Outside Ø mm	Inside Ø 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 body round and ovoid, made of steel or PU, as well as magnetic holder type HM5, toothed

Art.-No.	for load level t	Outside Ø mm	Inside Ø 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



Detachment lever for magnetic ASK for type HM5

To detach the magnetic recess body, the release aid, the metal lever, is inserted into the anchor head bore and removed from the steel formwork by levering.

Art.-No.	for load level t	Length l mm	Outside Ø Mm	Weight kg/piece	€/piece
HM5-1 Lever1,3	1,3	200	18	0,400	3,00
HM5-1 Lever2.5	2,5	250	25	0,965	5,00
HM5-1 Lever4-5	4-5	250	35	1,900	8,00
HM5-1 Lever7.5-10	7,5-10	300	45	3,450	12,00
HM5-1 Lever15-20	15-20	350	68	10,000	30,00
HM5-1 Lever32	32	400	85	17,800	55,00



Spare Parts/Repair Accessories for HM4, HM5

Art.-No.	Designation	€/piece
54006	Neodymium Magnetic Disk N40 Ø19,5x7	5,60
80019-1	Adhesive High Strength, 10ml	14,50



BGW magnet type HM5 – round recess body, made of steel, hinged, magnetic

Art.-No.	Load level t	Outside Ø with chamfer Mm	Outside Ø without chamfer Mm	Concrete-cover Mm	Inside Ø mm	Adhesive force medical history	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 magnetic holder type HM6 for right-angled fixation of upstands, fibre concrete upstands

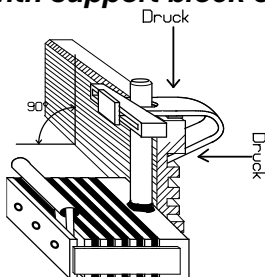
10/10_(05/01)

This system is specially designed to fix concrete upstands or fibre concrete upstands at right angles. The system consists of a tried-and-tested BGW magnetic holder and a flexible clamping device. It enables time-saving shuttering with a high constant quality of the formwork and is therefore particularly suitable for the formwork process of circulating pallets.

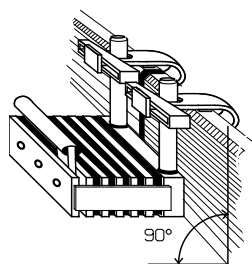
In a single operation, the formwork is simultaneously pressed against the magnet at right angles to the support surface and additionally fixed to prevent it from floating. In this case, the clamping wedge is the fixing claw.

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

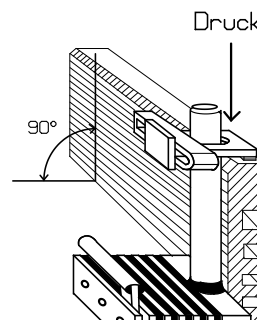
All magnetic holders type HM6 are compatible or combinable with standard hold-down device (with support block or M16 thread).



HM6-600-1
HM6-1000-1



HM6-600-2
HM6-1000-2



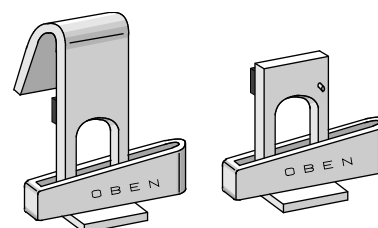
HM6-600-3
HM6-1000-3

Magnet HM6 - with fixing claw(s)

Art.-No.	Adhesive force approx. medical history	Displacement force	Weight approx. medical history	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 and hold-down device for magnetic holder HM6

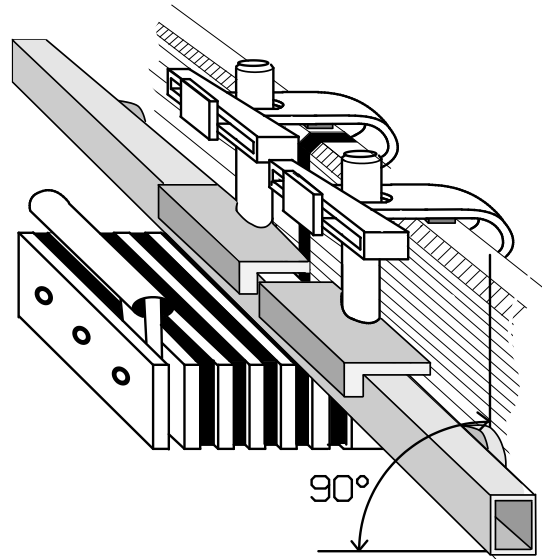
This article is used in combination with magnet type HM6 for fixation of fibre concrete upstands or formwork during the concreting process. The underside is covered with a hard rubber piece to prevent damage to the plate due to the increased fixation pressure. Supplied with the corresponding clamping wedges.



Art.-No.	Designation	€/piece
HM6-4	Fixing claw HM6	30,68
HM6-5	Hold-down device HM6	25,56

Straightening ruler for magnetic holder HM6-600-2 for butting and rectangular fixing of upstands, fibre concrete upstands

07/98_(06/99)

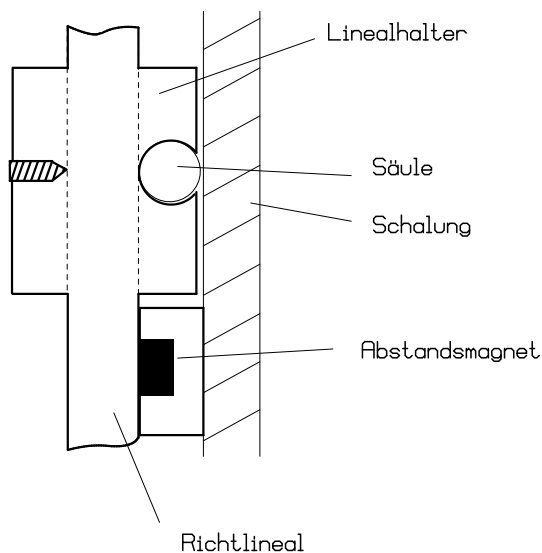


This device is designed to align fibre concrete upstands in an exact straight line.

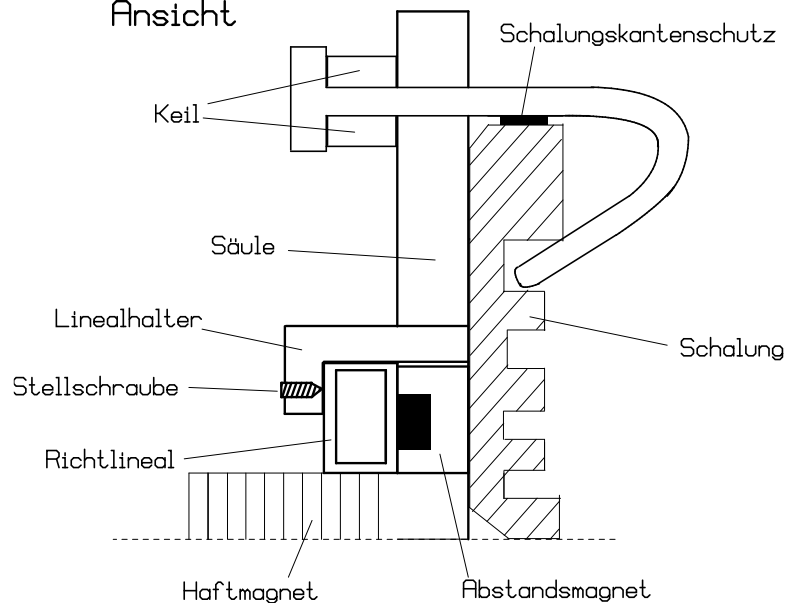
The straightening ruler is fixed to the columns of the BGW magnetic holder HM6-600-2 by means of adjusting screws.

The exact distance between the straightening ruler and the upstand is always ensured by BGW magnetic holders, which are attached to the guideline ruler at a distance of about half a meter from each other.

Aufsicht



Ansicht



BGW magnet type HM10 - magnetic body made of plastic, also sheet steel for substructure in shutters or as an adapter magnet

04/21^(04/21)

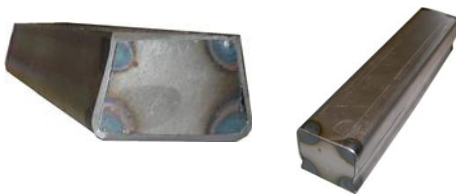
The **BGW magnetic holder** can be used universally for fixing steel formwork during the concreting process. Its rubbery body fixes the formwork against unwanted floating.

It represents a further development of the otherwise common sandwich or lamella magnet.

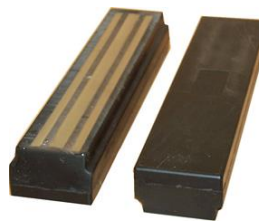
The individual magnetic elements are cast in plastic, which protects the system against impact, which can lead to demagnetization. The plastic gives the magnet an extremely low weight, which has a positive effect on handling and occupational safety. Furthermore, the adhesive strength of the magnet has been improved enormously by this design. Due to its smooth surfaces, it has good cleaning properties with nylon brushes. The HM10-2 version also has an inscription area that can be provided with the customer's company logo at the customer's request.

It is possible to change or design the shape, dimensions and adhesive force on request!

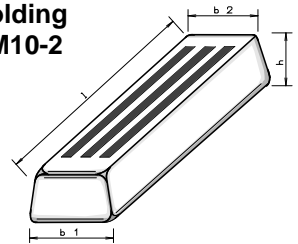
HM10 in sheet metal



HM10 in plastic sheath



Holding HM10-2

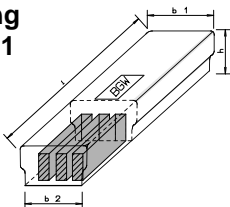


Art.-No. Holding	Adhesive force medical history	Weight approx. kg	Width mm		Length l mm	Height h mm	Execution	Price €/piece
			b1	b2				
HM10-1-50	1000	1,5	50	40	243	35	Plastic sheath	196,00
HM10-1-55	1000	1,5	55	44	243	35	Plastic sheath	196,00
HM10-2-50	1000	1,5	50	40	250	35	Steel jacket	196,00
HM10-2-55	1000	1,5	55	44	250	35	Steel jacket	196,00

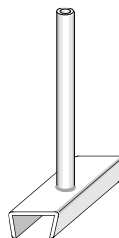
Art.-No. Detachable lever	for Holding	Price €/piece
HM10-1 Lever50	HM10-1-50	43,46
HM10-1 Lever55	HM10-1-55	43,46
HM10-2 Lever50	HM10-2-50	43,46
HM10-2 Lever55	HM10-2-55	43,46

Hint:
The HM10 magnets may only be removed with the appropriate BGW release levers.
In case of damage caused by other solvents, we do not assume any guarantee!

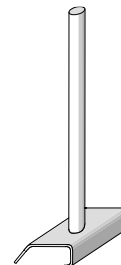
Holding HM10-1



Detachable lever for HM10-2



Detachable lever for HM10-1



Magnetic holder HM10 – conical

This sturdy version is welded, sealed and in a box made of 4 mm sheet steel. The end plates are completely welded. The edges are pre-ground round and the lateral bevel for attaching shuttering profiles is tapered downwards. The "magnet" is inserted into the steel box and secured by a screw. Temperature- and oil-resistant polyurethane has proven itself as a potting compound.

Art.-No. Holding	Adhesive force medical history	Weight approx. kg	Width mm		Length l mm	Height h mm	Execution	Price €/piece
			b1	b2				
HM10-4-54-250K	1000	1,759	54	45	250	35	Steel jacket	196,00

Universal BGW fixing device for formwork

10/17^(10/17)

The universal BGW fixing device is used for the stepless and rectangular fastening of formwork, fibre-reinforced concrete upstands and shuttering elements.

Advantages

- Quick attachment
- Exact 90° fixation of the formwork
- Infinitely variable 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 has higher stability and fixation security. The standard version of the BGW fixing devices is designed for formwork with a maximum height of 240 mm.

Custom-made products on request.

Hold-down device with round guide

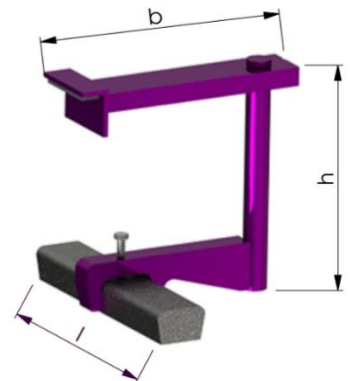
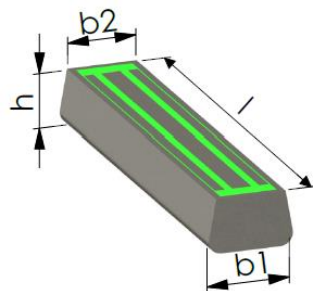
Art.-No.	Weight Medical history	Length l mm	Width b mm	Height h mm	Price €/piece
HM10-2-55-1	4	255	250	250	75,00

Hold-down device with square guide

Art.-No.	Weight Medical history	Length l mm	Width b mm	Height h mm	Price €/piece
HM10-2-55-2	4	255	250	250	80,00

To fasten a formwork, the formwork is first placed on the switchboard. Then position the HM10 magnet and the hold-down device on the formwork. Exact position of the fixer can be achieved by tapping the HM10 magnet with a rubber mallet. A light blow with a rubber mallet on the slide of the hold-down device then clamps the formwork in place.

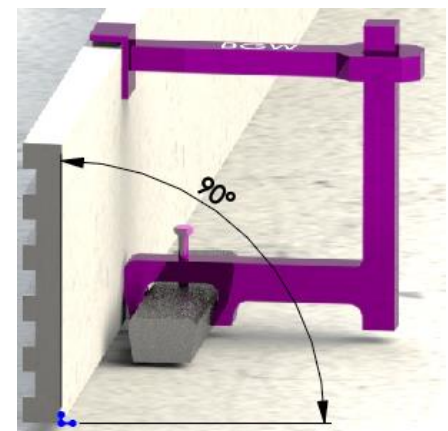
Magnetic holder HM10 in sheet metal sheath



Art.-No. Holding	Adhesive force medical history	Weight approx. kg	Length l mm	Width mm			Height h mm	Price €/piece
				b	b1	b2		
HM10-2-55	600	1,5	250	270	55	44	35	196,00



Hold-down device with round guide



Hold-down device with square guide

BGW shuttering system type HM12 - Shuttering systems made of polyurethane

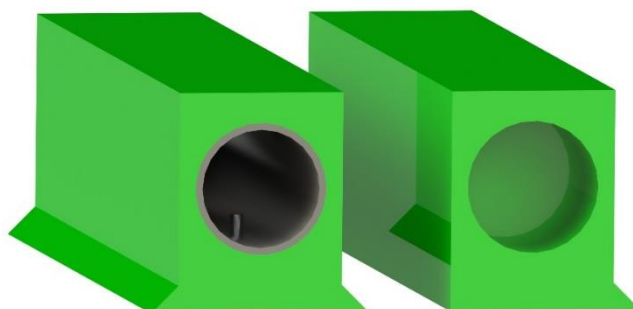
09/18_(06/06)

This formwork system is specially designed as a shuttering system for wall and ceiling production. It is made of plastic (polyurethane) with magnetic inserts cast into the underside. Depending on the size and length, a corresponding hollow material (e.g. steel pipe) is poured in. As a result, both weight and susceptibility to torsion can be kept as low as possible, which makes handling extremely easy even with long profiles. In addition, the low weight and the absence of sharp metal edges increase occupational safety. Damage to the switch table due to falling sharp-edged metal formwork profiles is prevented by the use of the HM12 system.

The PU plastic used is characterized by very low weight and its 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 a transverse and longitudinal spark**



BGW shuttering profiles type HM12 height 70 mm

Art.-No.	Length Mm	Chamfer 10x45°	Weight approx. kg	Price €/piece
	500	without	1,75	On Inquiry
	500	unilateral	1,75	
	500	bilateral	1,75	
	1000	without	3,50	
	1000	unilateral	3,50	
	1000	bilateral	3,50	
	1500	without	5,25	
	1500	unilateral	5,25	
	1500	bilateral	5,25	
	2000	without	7,00	
	2000	unilateral	7,00	
	2000	bilateral	7,00	
	2500	without	8,75	
	2500	unilateral	8,75	
	2500	bilateral	8,75	
	3000	without	10,50	
	3000	unilateral	10,50	
	3000	bilateral	10,50	
	3500	without	12,25	
	3500	unilateral	12,25	
	3500	bilateral	12,25	
	4000	without	14,00	
	4000	unilateral	14,00	
	4000	bilateral	14,00	

Standard heights: 70, 80, 90, 100, 150mm

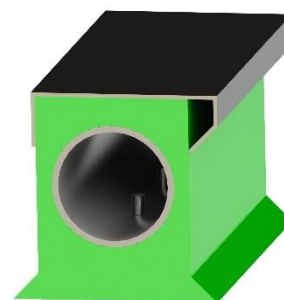
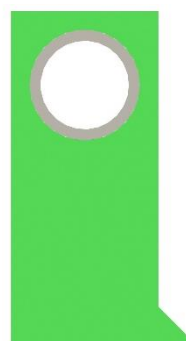
Standard widths: 25, 40, 60mm

(each available with or without chamfer)

Adhesive force: 300 kg/meter

Distributed over the entire length

Also available with higher adhesive force on request



h 70mm
w 60mm
here: with inverted profile for chamfer formation on the upper side

h 90mm
w 40mm



h 70 or 80 mm
w (top) 15 mm
e.g. as a longitudinal pitch in ceiling

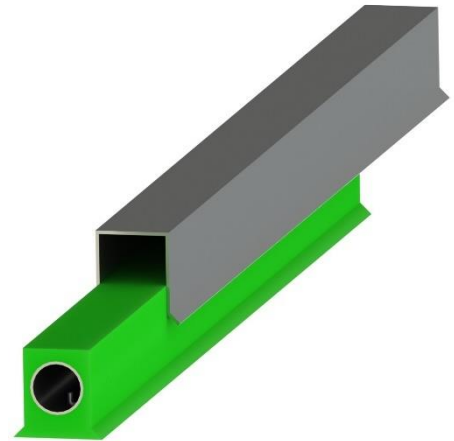
BGW shuttering system type HM12 – Accessories

09/18_(06/06)

BGW extension profile with integrated magnetic element

The extension profile is used for the stepless adaptation 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 the requirements, this is arranged at the end of the profile or in the middle.

Art.-No.	For HM12 profile		Length Mm	Price € / Piece
	Height Mm	Width		
HM12-2-82-27-2	60	25	1000	On Inquiry
HM12-2-92-27-2	70	25	1000	
HM12-2-102-27-2	80	25	1000	
HM12-2-112-27-2	90	25	1000	
HM12-2-72-44-2	70	40	1000	
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	



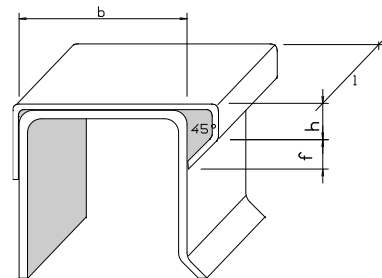
When ordering, please specify the position of the magnetic element (middle or end)
Other dimensions on request

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

for prefabricated slab production

Steel profile for mounting on existing U-profiles or formwork strips. The use of the profile ensures a concrete cover according to DIN 1045-1, e.g. in the production of prefabricated slabs. The profile is delivered to fit your existing shuttering system (please specify the width of the basic profile when ordering). Furthermore, the BGW slip-over profile can also be supplied with integrated openings for screwing to the formwork.

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



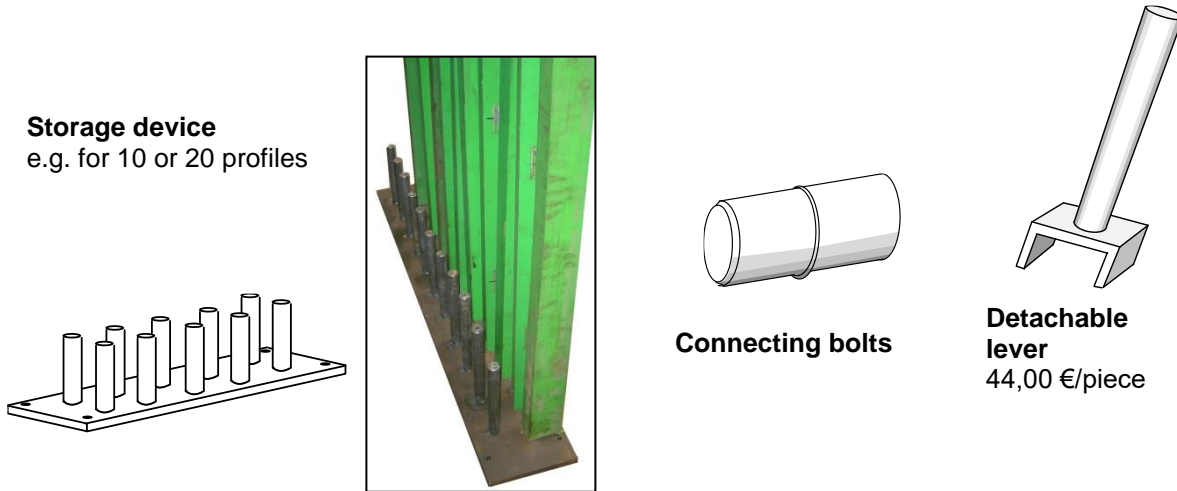
No.	B Mm	H Mm	F Mm	Price € / meter
	25	10	10	On Inquiry
	25	10	15	
	40	10	10	
	40	10	15	
	60	10	10	
	60	10	15	



BGW shuttering system type HM12 – Accessories shuttering systems made of polyurethane

09/18_(06/06)

different solutions that make it easier to work with the
Further simplification of the HM12 shuttering system:



Art.-No.	Article	Note	Price €/ Piece
	Storage device	10 pieces	
	Storage device	20 pieces	
	Storage device	30 pieces	
	Detachable lever	Width 25 mm	44,00
	Detachable lever	Width 40 mm	44,00
	Detachable lever	Width 60 mm	44,00
	Connecting bolts	For width 40 + 60 mm	5,00

HM12 Additional Profiles and Magnets

For retrofitting existing formwork or creating fittings

Furthermore, they are ideal for retrofitting in
Plastic cross stables (e.g. for prefabricated ceiling production)

Art.-No.	Article	Note	Price €/ Piece
540322	Magnetic element	Ø 32 x 8 mm	7,00
Hole cutter	Hole cutter	Suitable for magnetic element	35,00
569201	Countersunk head screw	4.8 x 32 Self Drilling	On Inquiry
HM12-P-60-40	Profile 40 x 70	Length 1m	
HM12-P-70-40	Profile 40 x 80	Length 1m	
HM12-P-80-40	Profile 40 x 90	Length 1m	
HM12-P-70-60	Profile 60 x 70	Length 1m	
HM12-P-80-60	Profile 60 x 80	Length 1m	
HM12-P-90-60	Profile 60 x 90	Length 1m	



BGW solid wall shuttering system for HM13 - Switchable magnet system

11/11_(03/04)

- at the customer's request, we also seal all weld seams and all impacts with acrylic/silicone
- also available galvanized

Various profiles – production according to customer requirements



BGW-Shuttering system type HM13

11/11(03/04)

The integrated magnet system

This shuttering system, consisting of a shuttering profile with a built-in magnetic clamping mechanism, can be installed in different 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 due to open system
- Formwork change by loosening three screws
- insensitive to concrete contamination as polyurethane (magnet), formwork steel
- easy to clean
- Magnetism keeps system on the control table. Comparable products fall down when the control knob is actuated (faulty switching, risk of injury during peeling)
- Spring elements pull the formwork onto the formwork floor and thus prevent the concrete from penetrating under the formwork (approx. 120 kg per switching unit)
- Spring elements support the release of the magnet when the final shell is placed in the resting position.
- Non-magnetic control knob allows the shuttering profiles to be stacked on top of each other
- Adhesion force approx. 900 kg, depending on the substrate (steel, steel thickness, temperature, surface roughness,

straightness of the substrate)

The shuttering profile (planned support surfaces) is pulled onto the formwork floor by the clamping mechanism (steel spring) - by operating the control knob with the foot or robot - with 120 kg per magnetic unit, whereby an exact edge formation of the part to be concreted is achieved. Because the system forms a unit, measurement errors are impossible (magnet and formwork one unit).

The magnet can only be switched on a steel base. Otherwise, the steel springs will keep the magnet in the resting position, which has a positive effect on occupational safety (this means that the fingers cannot be crushed under the formwork when measuring the formwork). With the help of the appropriate release lever, the system can be easily detached and removed from the formwork floor.

Due to the separate arrangement of the clamping mechanism and the control knob, as well as the clamping mechanism and formwork, the forces introduced to the formwork and magnet during concreting are absorbed.

The built-in post-tensioning elements are positioned in a protected position, which makes the formwork system less sensitive to contamination. The built-in stroke limitation prevents overuse 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 profiles in formwork oil! This also provides sufficient rust protection and makes it easier to clean the formwork.

In order to enable stackability and to prevent the shuttering profiles from sticking together, the control knob is made of non-magnetic material. If agreed, the system is suitable for magazines and robots. 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 loosening 3 screws.

Different shapes and dimensions are available on request.



BGW-Shuttering system type HM13

11/11^(03/04)

for panel ceiling and double wall production

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

Due to the clamping mechanism, the shuttering profile (support surfaces are planed) is pulled onto the formwork floor by operating the release lever with the foot, which achieves an exact edge formation of the part to be concreted. Because the system forms a single unit, measurement errors are impossible. The simple and fast handling also increases occupational safety. With the help of the appropriate release lever, the system can be easily detached and removed from the formwork floor.

Due to the separate arrangement of the clamping mechanism and the control knob, as well as the clamping mechanism and formwork, the forces introduced to the formwork and magnet during concreting are absorbed.

The built-in post-tensioning elements are positioned in a protected position, which makes the formwork system less sensitive to contamination. The built-in stroke limitation prevents overuse of the clamping mechanism. **Note: Before first use, soak profiles in formwork oil!**

In order to enable stackability and to prevent the shuttering profiles from sticking together, the control knob is made of non-magnetic material. The system can also be supplied in a magazine and robotic version.

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

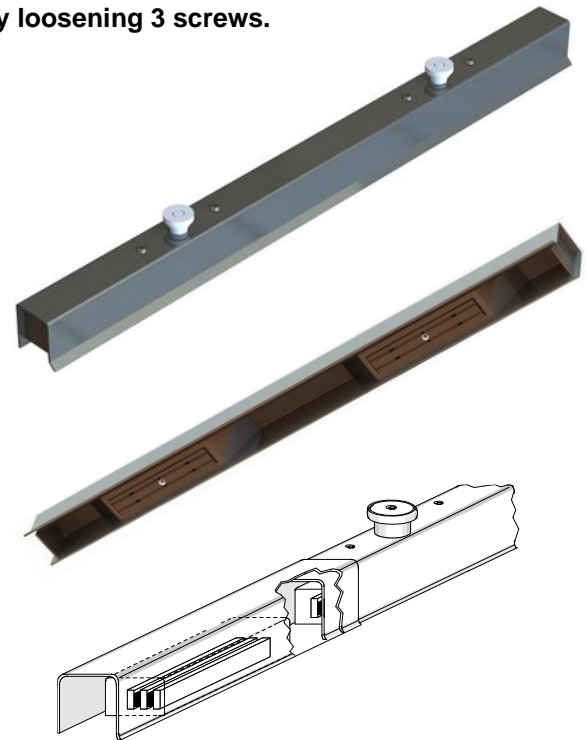
Different shapes and dimensions are available on request.

HM13 available from a height of 40mm.

BGW shuttering system type HM13

Art.-No.	Length h Mm	Height ht mm	Number Magnets	Chamfer 10x45°	Weight approx. kg	Price €/piece
3200	500	70	1	unilateral	3,35	180,71
3205	500	70	1	bilateral	3,35	180,71
3210	1000	70	2	unilateral	6,70	351,19
3215	1000	70	2	bilateral	6,70	351,19
3220	1500	70	2	unilateral	9,05	366,53
3225	1500	70	2	bilateral	9,05	366,53
3230	2000	70	2	unilateral	11,40	381,87
3235	2000	70	2	bilateral	11,40	381,87
3240	2500	70	2	unilateral	13,75	397,21
3245	2500	70	2	bilateral	13,75	397,21
3250	3000	70	2	unilateral	16,10	412,55
3255	3000	70	2	bilateral	16,10	412,55
3260	3500	70	2	unilateral	18,45	427,89
3265	3500	70	2	bilateral	18,45	427,89
3270	4000	70	2	unilateral	20,80	443,23
3275	4000	70	2	bilateral	20,80	443,23
3280	4000	70	3	unilateral	21,80	603,49
3285	4000	70	3	bilateral	21,80	603,49

Cutting costs for length deviation € 3.07



Length compensation profile suitable for the shuttering profile HM13

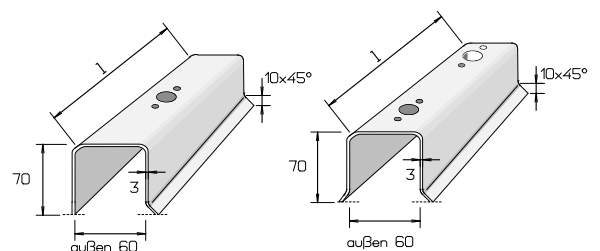
for attachment, sheet thickness 2 mm, length 1,000 mm

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

Shuttering profile for replacement

Planed support surfaces

Weight	Bevel 10x45°	€/mtr.
4.70 kg/mtr.	unilateral	30,68
4.70 kg/mtr.	bilateral	30,68

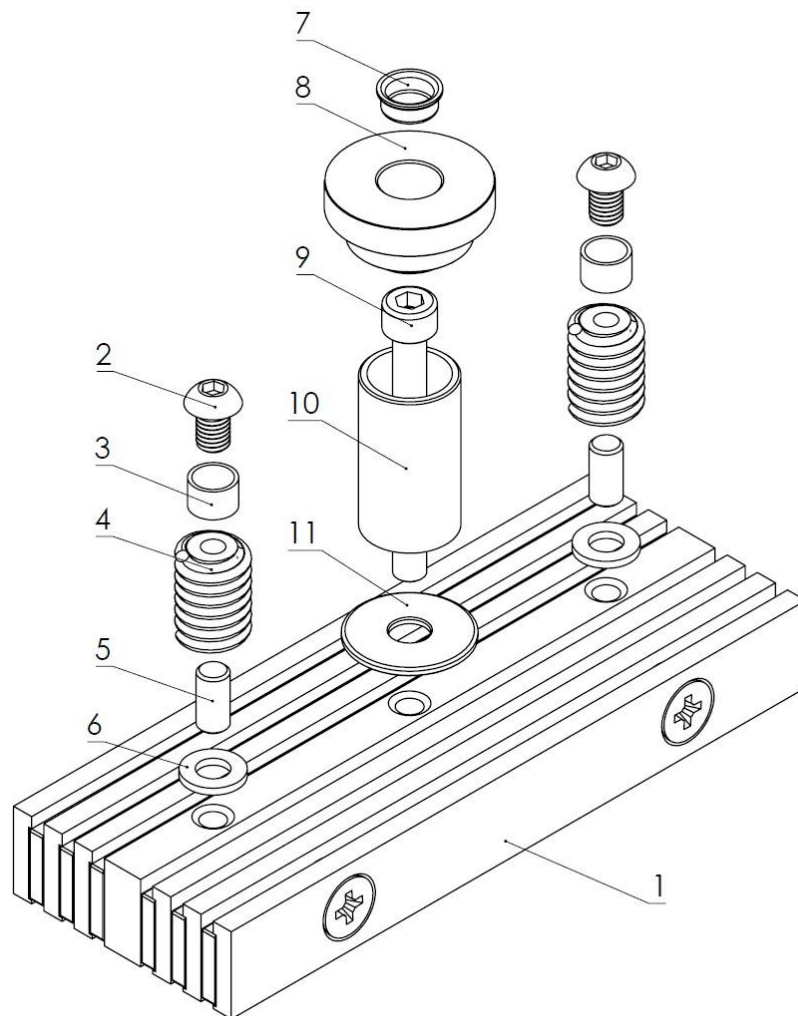


BGW-Shuttering system type HM13

10/21^(03/20)

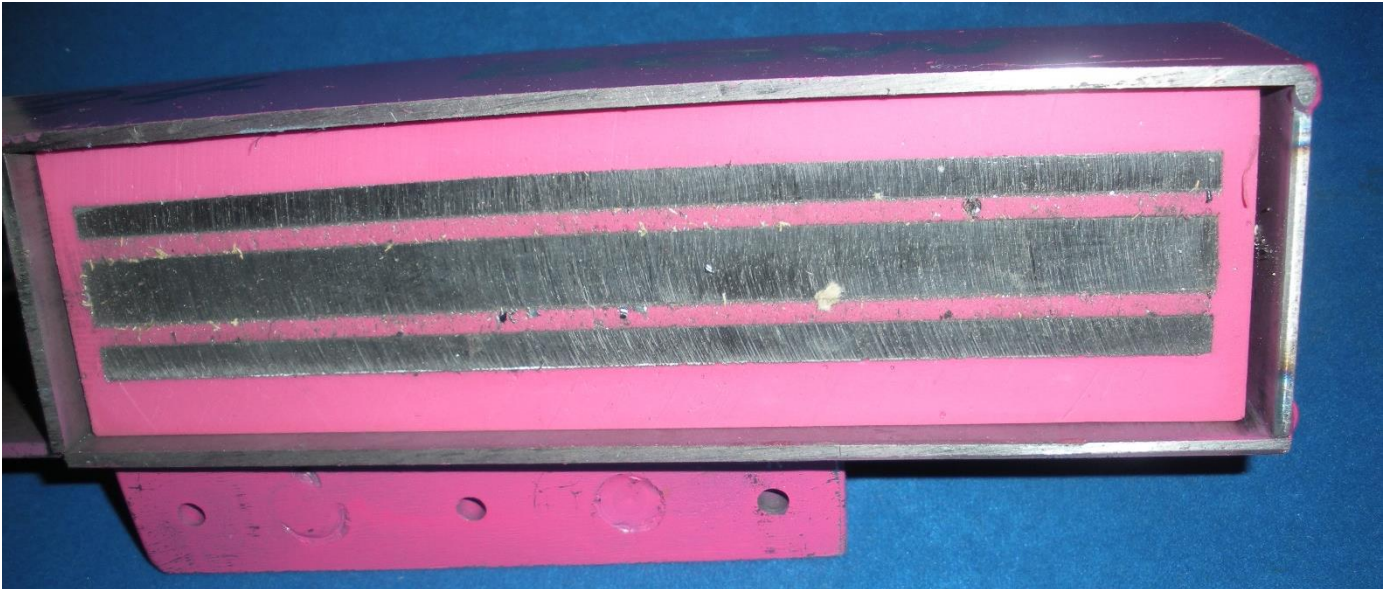
Accessories / Construction, Spare Parts

Number	No.	Designation	€/piece
1	3350	Magnet L 200 - W 54 - H34 with plastic / PU sheath	160,00
	33500	Magnet L 340 - B54 - H28 with plastic / PU sheath	220,00
	33503	Magnet L 190 - W 32 - H25 mm galvanized	150,00
	33504	Magnet L 330 - W 32 - H25 mm galvanized	210,00
	3352	Magnet L 100 - W 54 - H34 with plastic / PU sheath	110,00
2	56399	Pan Head Screw M8x12	0,38
3/4/5	3376	Clamping element, steel spring, threaded screw, spacer bushing if necessary	7,78
5	56380	Threaded screw M8x25	0,36
6	56355	Washer 8.4 x 16	0,20
7	56421	Plug GPN 300 V 112 - Rd/M 16 colourless	0,14
8/10/11	33653	Control knob - anti-magnetic consisting of head, sleeve and thrust washer)	15,34
9	56334	Cylinder head screw M8x65 - black burnished	0,56



Variant 1:

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



Variant 2:

The magnetic body remains open – it can therefore be moved or switched in the recess made of sheet metal.



BGW shuttering system HM13 – special heights

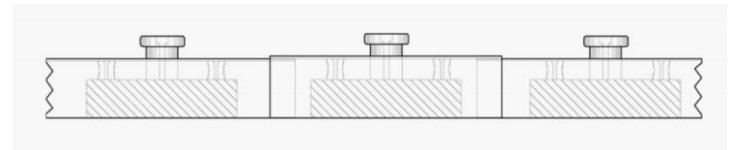
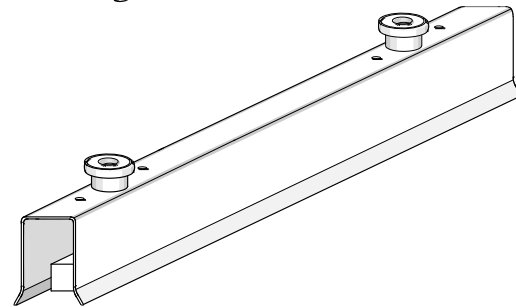
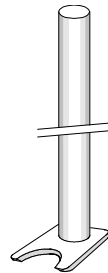
03/07^(05/01)

for solid wall production

All shutters are available without, with single-sided or double-sided chamfers. It is possible to change or design the shape and dimensions on request! *Different dimensions are available on request.*

BGW shuttering system HM13 in special heights

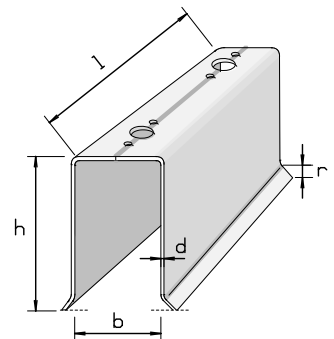
Length Mm	Number Magnets	Heigh Mm	€/piece
500	1	85	Prices on request
1000	2		
1500	2		
2000	2		
2500	2		
3000	2		
3500	2		
4000	2		
4000	3		
500	1	100	
1000	2		
1500	2		
2000	2		
2500	2		
3000	2		
3500	2		
4000	2		
4000	3		
500	1	150	
1000	2		
1500	2		
2000	2		
2500	2		
3000	2		
3500	2		
4000	2		
4000	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 the shuttering profile HM13

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

Height Mm	Designation	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

Art.-No.	Chamfer	Height Mm	Price €/piece
	unilateral	85	35,79
	bilateral		35,79
	unilateral	100	40,90
	bilateral		40,90
	unilateral	150	51,13
	bilateral		51,13
	unilateral	200	61,36
	bilateral		61,36
3306	Mounting pattern for 1 magnet HM13		3,68
3304	Notching for magazine/bearing on both sides		3,27
3302	Lifting bevel for cross shut-off on both sides		3,37
3300	Holes for robot grippers (2 per profile)		2,97
3360	Detachable lever		43,46

BGW shuttering system type HM13 for solid wall production

09/00_(01/01)

This shuttering system is characterized by an operating mechanism that, as with all other shuttering systems in the HM13 series, is extremely advantageous to handle and less susceptible to contamination.

In order to achieve optimal 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.

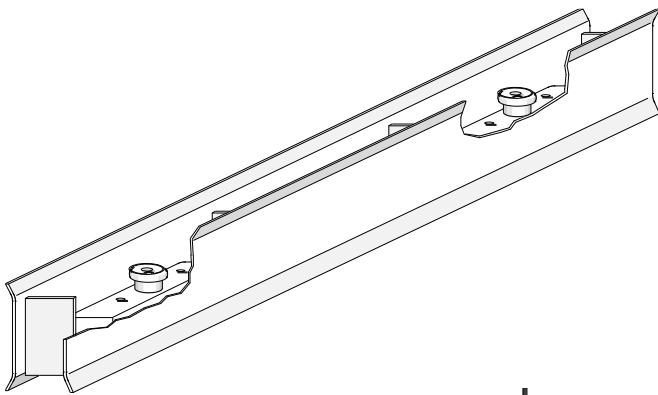
The profiles are additionally reinforced with cross struts, which ensures a very high degree of rigidity.

If necessary, it is possible to cover the magnetic elements to protect them against dirt

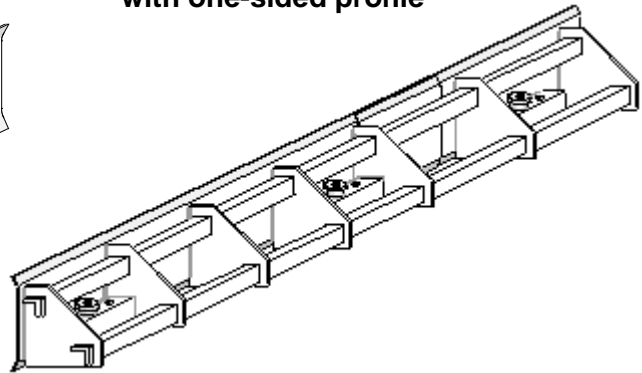
The profiles are available in lengths of up to 4 metres.

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

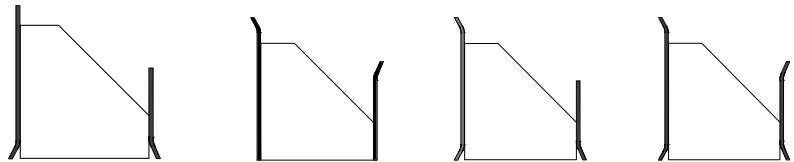
Shuttering system type HM13 with profile on both sides



with one-sided profile

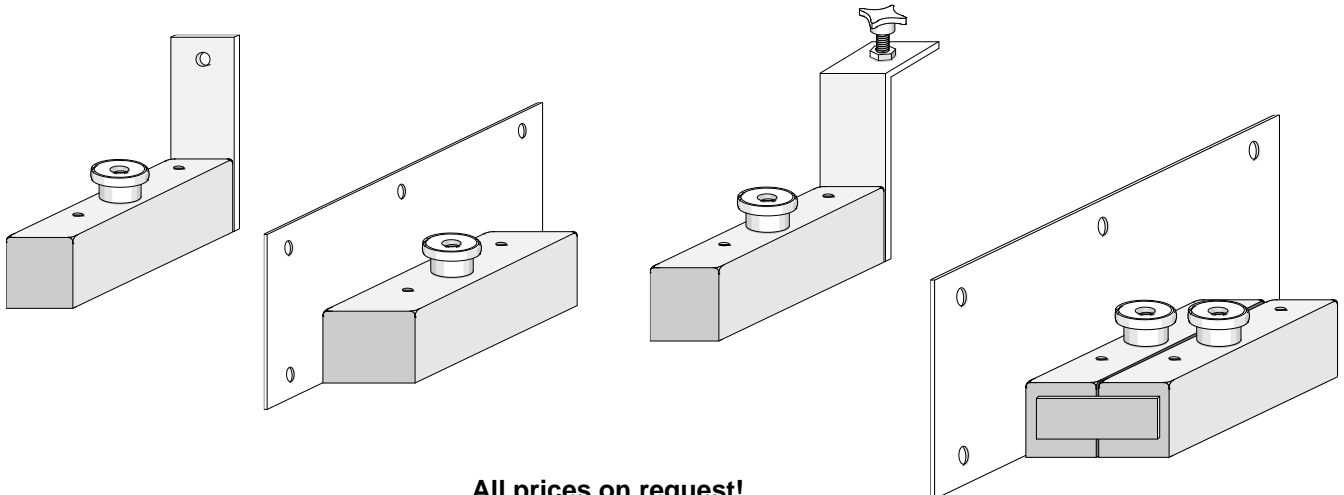


Variants (cross-section):
(e.g. with profiles of different heights)



BGW shuttering system type HM13 with welded plate or bracket

On a welded plate on the longitudinal or front side of the magnet, wooden formwork can be screwed firmly and securely. An angle with a fixing screw is used to secure the formwork against floating during the compacting of the concrete.



All prices on request!

BGW formwork system type HM13 the adaptable comfort solution 10/10_(10/10)

A formwork system with integrated magnets HM13 and steel spring mechanism. This special version can be used for the production of double walls and prefabricated ceilings, similar to the standard shuttering profiles. In addition, a formwork extension can be screwed to the integrated threads of size M16. This means that the same basic formwork can be used in just a few simple steps for the production of 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
- The number and force of the magnets depends on the maximum formwork height
- Height base formwork 70-90 mm
- Integrated threads for fastening formwork elevations
- Flat machined contact surface and chamfers for an optimal concrete finish
- Lengths e.g. 500 – 4000 mm (intermediate lengths possible)

Basic profile - height 80 mm

Art.-No.	Length Mm	Number of magnets	Chamfer 10x45°	Price €/piece
3200-M16	500	2	Without	240,-
3205-M16	500	2	Unilateral	240,-
3210-M16	1000	2	Without	255,-
3215-M16	1000	2	Unilateral	255,-
3220-M16	1500	2	Without	270,-
3225-M16	1500	2	Unilateral	270,-
3230-M16	2000	2	Without	285,-
3235-M16	2000	2	Unilateral	285,-
3240-M16	2500	3	Without	414,-
3245-M16	2500	3	Unilateral	414,-
3250-M16	3000	3	Without	429,-
3255-M16	3000	3	Unilateral	429,-
3260-M16	3500	3	Without	444,-
3265-M16	3500	3	Unilateral	444,-
3280-M16	4000	3	Without	459,-
3285-M16	4000	3	Unilateral	459,-



Height 150mm
with chamfers
10 x 45°
Top + Bottom

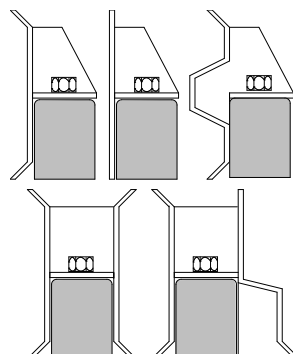
H 150mm
With nail or screw
holes for fastening
wooden panels

Adapter for basic formwork with height 80 mm

Formwork elevation can be manufactured according to customer requirements
We will provide you with an offer for your application

- Height 80 mm to over 300 mm
- With or without chamfer (bottom/top)
- Material: Quality steel, thickness e.g. 3.0-5.0 mm
- Concreting on both sides is also possible (space-saving)

Examples:



BGW shuttering system type HM13 *Renewal 1*

for panel ceiling and double wall production

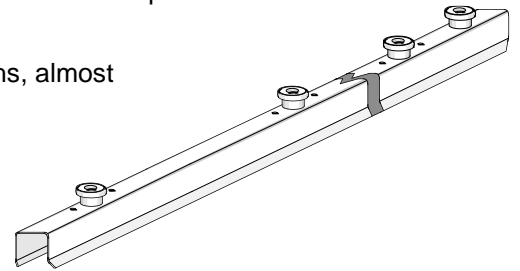
09/00(01/01)

This variable shuttering system is used as a cross shut-off and is particularly suitable for production of precast concrete elements with frequently changing dimensions.

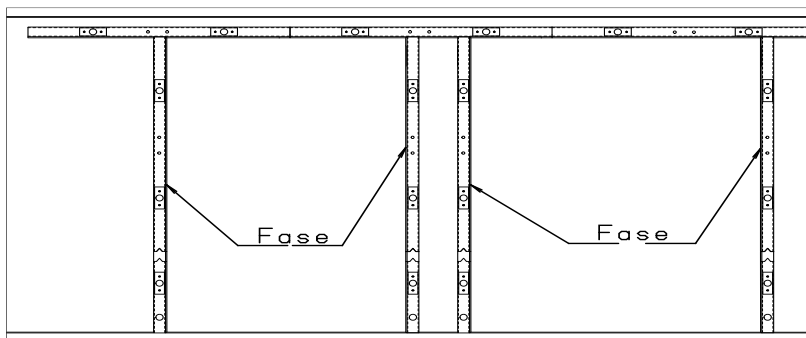
Thanks to the compensating elements, which are available in different lengths, almost all precast dimensions are produced.

Due to the simple and quick-to-use operating mechanism, can take a lot of time and thus also costs during shuttering and demoulding. be saved.

The profiles can be attached to the control knob or blind button on the formwork can be hung on the edge of the pallet, so that they can be cleaned without any problems.



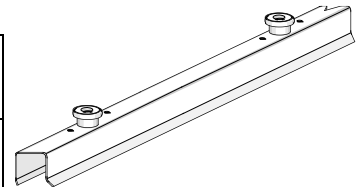
Dimensions, especially for your requirements, are available on request.
Assembly options on a production pallet



Magnetic profile type HM13, with two magnetic elements

1 front side with chamfer 10 x 45° / 1 front side "mother" or "father"

Art.-No.	Chamfer	Front	Length Mm	Weight medical history	Price €/piece
3860	without	Mother			on request
3861	unilateral	Mother			
3862	bilateral	Mother			
3865	without	Father			on request
3866	unilateral	Father			
3867	bilateral	Father			



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

1 "Mother" front / 1 "Father" front

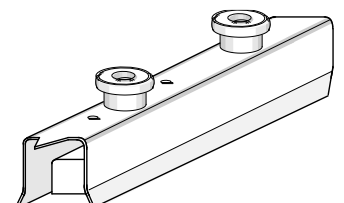
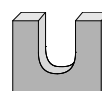
Art.-No.	Chamfer	Magnet-use	Length Mm	Weight medical history	Price €/piece
3870	without	without			on request
3871	unilateral	without			
3872	bilateral	without			
3875	without	with			on request
3876	unilateral	with			
3877	bilateral	with			



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

1 front side with chamfer 10 x 45° / 1 front side "nut"

Art.-No.	Chamfer	Length Mm	Weight medical history	Price €/piece
3880	without			on request
3881	unilateral			
3882	bilateral			



Suspension (for hanging the profile on the control knob)

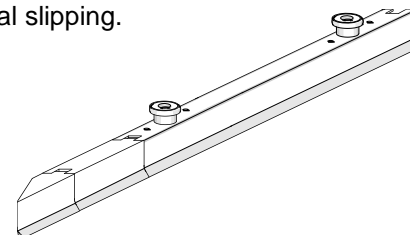
BGW shuttering system type HM13 *Renewal 2*

for panel ceiling and double wall production

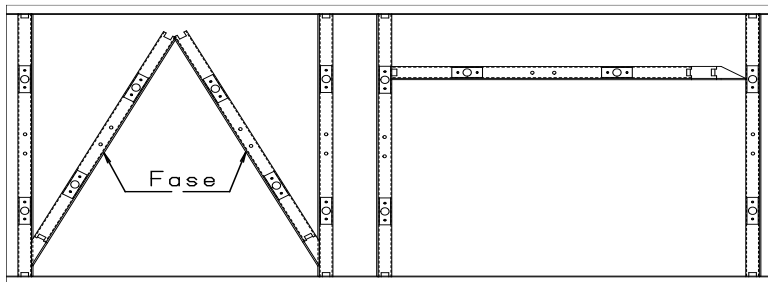
09/00_(01/01)

Due to its wide range of variations, this shuttering system is ideal for the production of a wide variety of Precast concrete elements. Based on the HM13 magnet system, the individual elements can be quickly positioned and securely fixed against lateral slipping.

Magnets are cast into the polyurethane length compensating elements, which fix elements when compacting the concrete. Due to the recesses on the front sides, the magnet can be easily stacked in a confined space in a magazine.



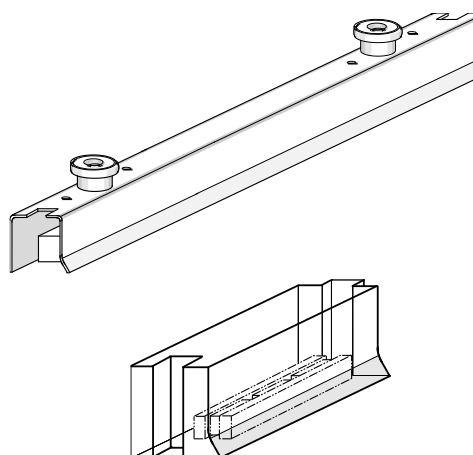
Assembly options on a production pallet



Magnetic profile HM13, with two magnetic elements

Length compensating element made of PU, with magnetic insert

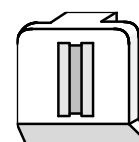
Art.-No.	Chamfer	Length mm	€/piece
3820	without	10	
3821	unilateral	10	
3822	bilateral	10	
3824	without	20	
3825	unilateral	20	
3826	bilateral	20	
3828	without	25	
3829	unilateral	25	
3830	bilateral	25	
3832	without	40	
3833	unilateral	40	
3834	bilateral	40	
3836	without	80	
3837	unilateral	80	
3838	bilateral	80	
3840	without	160	
3841	unilateral	160	
3842	bilateral	160	



End pieces for fixation to steel formwork

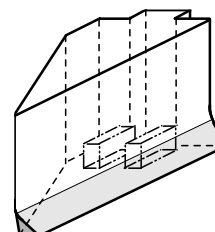
made of PU, with magnetic insert on the front, for a positive fit for exact corners

Art.-No.	negative chamfer frontal side	positive chamfer on the side	Weight kg	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

Art.-No.	Triangular strip	Angle	Weight kg	€/piece
3810	negative, on the sloping side	left	0,580	30,68
3811	negative, on the 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

01/10_(03/19)

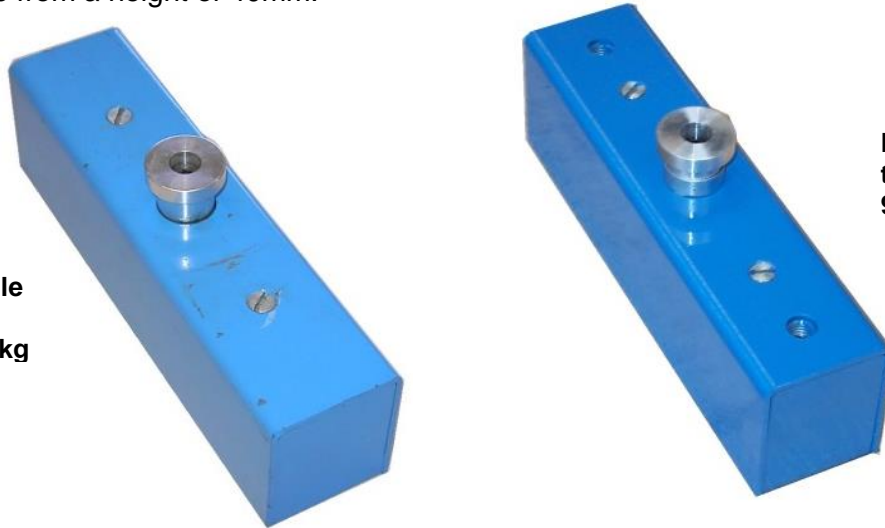
The individual magnetic elements are equipped with the tried-and-tested HM13 switching mechanism. The basic modules can be adapted to your formwork by means of welded or screwed connections.

Design 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 bodies are available on request.

HM13 available from a height of 40mm.



HM13 Basic Module
Adhesive force
350kg/900kg/1300kg

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

HM13 basic module with and without attachments

No.	Article	Adhesive force medical history	Length Mm	Width Mm	Height Mm	Weight medical history	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 thread M12/M16	900	280	60	40	3,50	140,00
32022-70-350	HM13 with 2 x thread M12/M16	1300	350	60	70	3,90	170,00
32021-P	HM13 with side plate thickness 5mm, height 150mm	900	210	60	70	4,50	140,00
320212-P	HM13 with side plate thickness 5mm, height 150mm, 2 magnets	1800	210	60	70	6,30	356,00
32021 Corner	HM13 with body for formwork corner hold-down device 350mm	900	210	60	70	4,60	200,00
32021-Corner2	HM13 with body for formwork corner hold-down device 350 mm	1300	350	60	70	4,90	240,00



HM13 with side plate



HM13 with body for formwork corner

BGW magnet system type HM13- Basic modules

01/10_(03/19)



HM13 with column (h350mm) and boom



HM13 with column (h350mm) and boom, 2 magnets

HM13 basic module with attachments

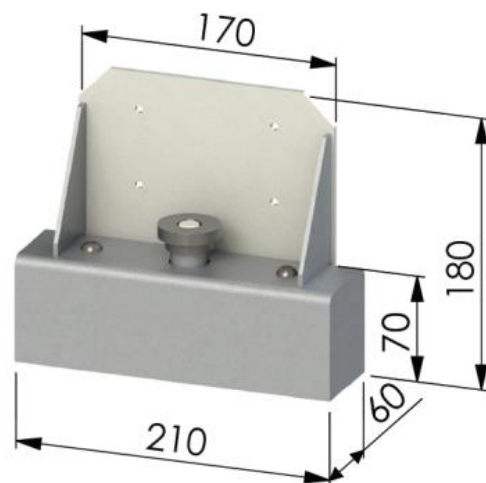
No.	Article	Adhesive force medical history	Length Mm	Width Mm	Height Mm	Weight medical history	Price €/piece
32021-FBA	HM13 with column (h350mm) and boom	900	210	60	70	5,6	160,00
32021-210-116	HM13 with column (h350mm) and boom, 2 magnets	1400	210	116	70	6,4	184,00
32021-P1	HM13 with stop plate (d10, 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 for preferably wooden formwork	600	210	60	180	3,9	174,00



HM13 with stop plate



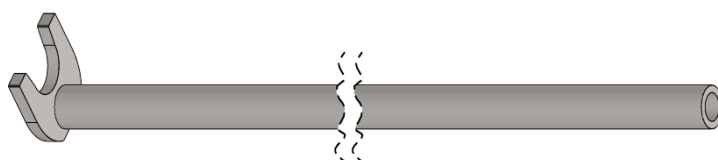
HM13 with claw hold-down device for wood or steel profiles



HM13 with side plate and stiffening ribs for preferably wooden formwork

HM13 Detach lever, length 72 cm

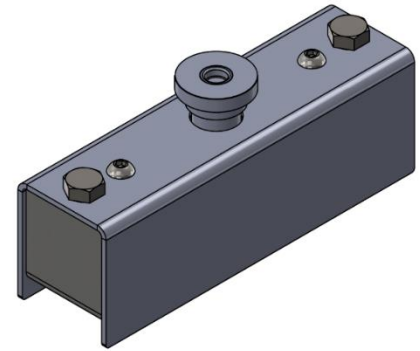
Art.-No.	Designation	€/piece
3360	Detachable lever	43,46



BGW-HM13 Threaded Switching Solenoid

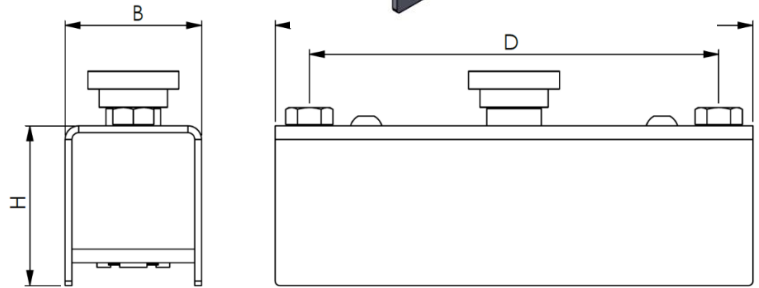
06/21 (05/20)

With the HM13 switching solenoid, timber or steel formwork can be securely fixed to the steel base during concreting. BGW magnets with adhesive forces from 900 to 2000 kg with a switching mechanism are built into the closed housing made of sheet steel. Thanks to the integrated threaded openings on the top, special superstructures can be screwed on. When the magnet is activated, the steel springs of the switching mechanism pull the formwork firmly against the base surface.



Advantages / Overview:

- High adhesion force from 900 to 2000 kg
- Switchable magnet with steel springs
- Application/structure can be exchanged quickly
- built-in locking nuts M12/M16
- Flexible application / magnetic elements can be used for different formwork
- Bodies on request



BGW switching solenoid type HM13 with fastening threads

No.	Adhesive force medical history	L Mm	B 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

Supplied with matching screws plus 3 €/piece

BGW-HM13 magnetic boxes can also be supplied with other dimensions and threads M12 on request.

BGW basic formwork with timber planking – switchable magnet system

10/17_(09/06)

and integrated magnet system HM13 - the comfort solution -

Advantages of magnet systems type HM13 at a glance:

- very low weight
- Simple, safe handling
- Easy maintenance due to open system
- Formwork change by loosening three screws
- insensitive to concrete contamination
- easy to clean
- Magnetism keeps the system on the switch table
- Spring elements pull the formwork onto the formwork floor and prevent the concrete from penetrating under the formwork (approx. 120 kg per switching unit)
- Spring elements support the release of the magnet when demoulding to the resting position.
- Non-magnetic control knob allows the shuttering profiles to be stacked on top of each other
- Adhesion force approx. 900 kg, depending on the substrate (steel, steel thickness, temperature, surface roughness, straightness of the substrate)

Wooden planks
screwed = replaceable



Surface
machined =
absolutely right



Prices: see next page

BGW-Basic formwork with wooden planking

10/17^(09/06)

and integrated magnet system HM13 - the comfort solution -

Basic formwork 100 mm

Art.-No.	Length m	Number of magnets	Planking Number of pages	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

Art.-No.	Length m	Number of magnets	Planking Number of pages	Price €/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-Basic formwork with wooden planking

10/17^(09/06)

Basic formwork 200 mm

Art.-No.	Length m	Number of magnets	Planking Number of pages	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 per side)

Standard magnets: approx. 900 kg adhesive force

Surcharge on adhesive force 1300 kg: 20 € / piece

Differing planking heights on request

BGW basic formwork with timber planking and attachment

and integrated magnet system HM13 - the comfort solution -

Basic formwork 100 mm

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

Basic formwork 150 mm

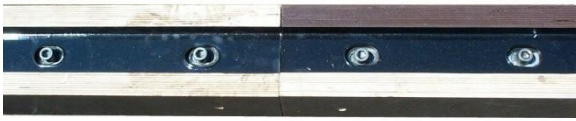
Art.-No.	Length m	Price €/piece
3261-150-0250	0,25	on Inquiry
3261-150-0500	0,5	
3261-150-1000	1,0	
3261-150-1500	1,5	
3261-150-2000	2,0	
3261-150-2500	2,5	
3261-150-3000	3,0	
3261-150-3500	3,5	
3261-150-4000	4,0	



BGW basic formwork with timber planking Accessories

11/21_(11/21)

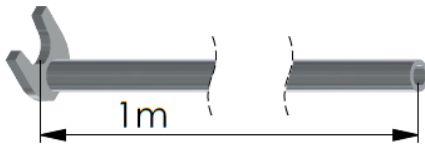
Fastener for basic formwork: 40€



Built-in coupling element



Floating

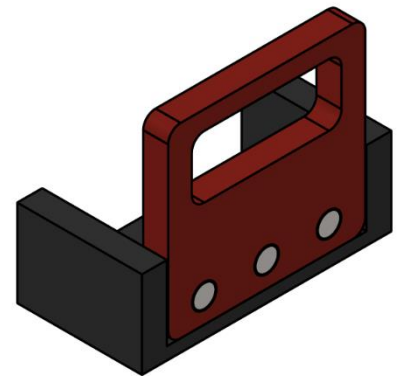
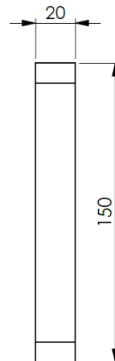
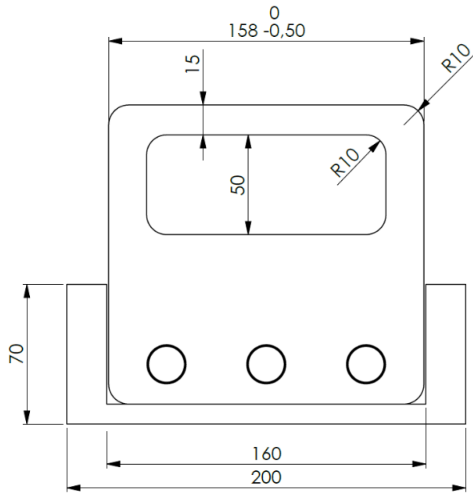


Detachable lever
Length 1 meter
43,46 € /piece



BGW fixing magnet for cross-shut-off

The magnet enables a safe and fast fixation of plastic cross stops, e.g. in prefabricated ceiling production. Thanks to its custom-fit external dimensions, it secures the spark against floating and lateral shifting. For this purpose, it is positioned between the two legs of the storage unit on the side formwork of the pallet. The integrated handle makes it easy to position, detach and carry



Art.-No.	Designation	Dimensions W x H x D Mm	Adhesive force medical history	Price € / Piece
FMS	Fixing magnet	158 x 150 x 20	50	65
FMS-120	Fixing magnet high adhesive force	158 x 150 x 20	200	95
FMS 185x50x30	Fixing magnet	185 x 50 x 30	110	85

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



BGW cross shutter made of special polyurethane

08/20_(08/20)

BGW transverse peelers made of BGW polyurethane in pink are used in the production of prefabricated slabs. The length is freely selectable, the height is 70mm and the width is 200mm. The spacing of the slots for the blanket topper trips can be freely determined. The opposite slits are offset by half the slot spacing.

The cross shutter is available with or without a built-in magnet.

Please specify when ordering

- the length
- the spacing of the slots
- Magnetic: Yes / No

The BGW crossbar should be ordered approx. 10mm shorter than the clear web/pallet width.

On request, the front side can be adapted to the edge of the steel mould or the production tracks:

- Rectangular formwork
- Lifting bevel 7°
- Bevel: yes / no

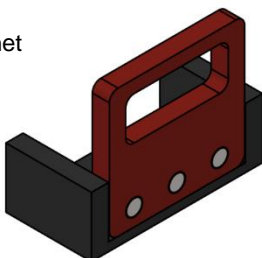
The weight is about 5.8kg/meter

Transverse shuttering POU

Art.-No.	Width 200mm	€/m
Q PU 70/200	without magnets	150,40
Q PU 70/200M	with magnets	190,70
		€/piece
Q PU Slots	each slot	5,00
Q PU Inclined 7°	Front side on both sides Bevel 7°	15,20
Q PU notching	At the bottom of the front side notch for triangular strip	11,50



Matching fixing magnet
FMS



BGW basic formwork with timber planking and attachment

10/10_(06/09)

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

- Panels and wall production
- Rod Parts (Column / Truss)
- Sandwich and solid walls



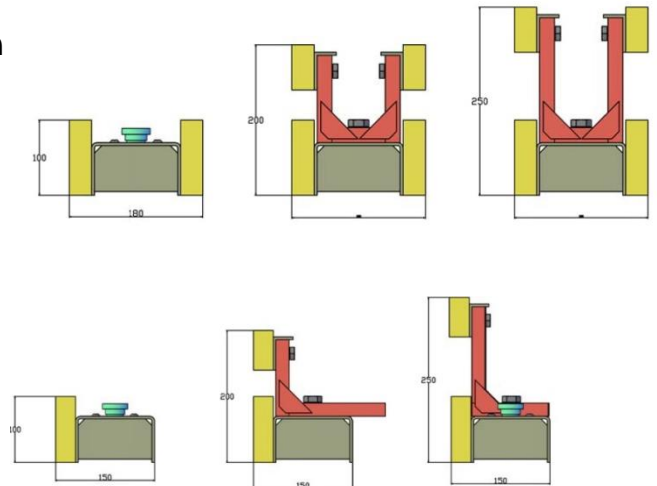
Specifications at a glance:

- Easy to use: Fasten the formwork panel, move it and activate the magnet
- Rapid height change by replacing the formwork panels
- Basic formwork can also be used without an attachment
- Height of 100mm can be extended to 200 / 250 mm by means of top-mounted formwork
- Total width of basic formwork on one side: 150 mm
- Total width of basic formwork on both sides: 180 mm
- Basic formwork prepared for the attachment of additional attachments
- Length from 2000 mm on request with eyelets for crane hooks

BGW shuttering system HM13 with timber panellin

Version with single-sided composite panels

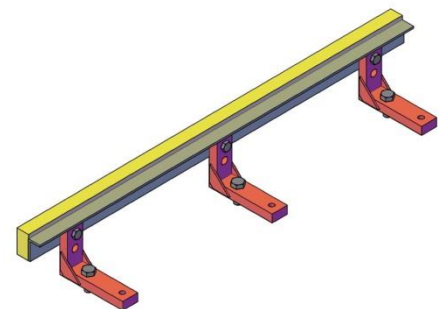
Art.-No.	Length Mm	Magnets Piece	Price Euro/piece
3261-100-0500	500	2	240,50
3261-100-1000	1000	2	351,00
3261-100-1500	1500	2	416,00
3261-100-2000	2000	2	481,00
3261-100-2500	2500	3	611,00
3261-100-3000	3000	3	676,00
3261-100-4000	4000	4	845,00



Formwork elevation for BGW shuttering system with timber planking

Delivery incl. bracket (painted) and mounting screws

Art.-No.	Length Mm	Angle Piece	Price Euro/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



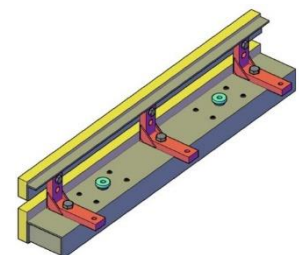
Example equipment for a tilting table:

Set of basic formwork

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

Number of pieces	Length mm	Price incl. attachment€/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 recess body (ASK) - for magnetic recesses

10/21_(10/21)

This device, for avoiding openings in precast concrete elements, consists of a conical steel housing with a built-in magnetic clamping mechanism, which can be operated easily and safely 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, which prevents the penetration of liquid concrete and thus the formation of unsightly edges with protruding noses is prevented.

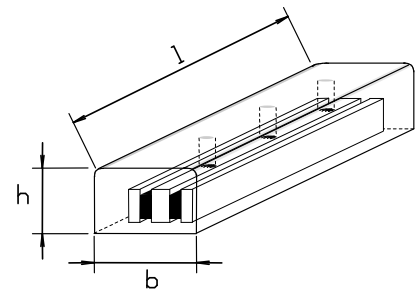
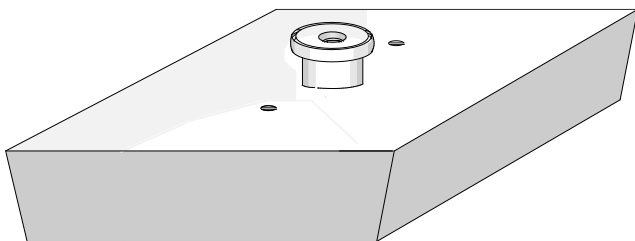
With the help of the appropriate release lever, the system can be easily detached from the formwork floor and easily removed after concreting and compacting due to the conical shape, provided that the concrete has the appropriate flow properties. The simple and fast handling also increases occupational safety.

Due to the separate arrangement of the clamping mechanism and the control knob, as well as the clamping mechanism and steel housing, the forces introduced to the steel body and magnet during concreting are absorbed. The built-in post-tensioning elements are positioned in a protected position, which makes the formwork system less sensitive to contamination. **Note: Soak the recess body in formwork oil before first use!**

Due to the steel housing, this system is environmentally friendly (polystyrene, plastic) and can be used again and again.

In case of defect, the old housing can be easily replaced by loosening 3 screws.

Different shapes (e.g. tapered upwards) and dimensions are available on request.



Art.-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



Magnetic holder type HM13

Art.-No.	Designation	Weight	€/piece
3350	Magnetic holder type HM13	1.00 kg	102,26



Accessories/Spare Parts

Art.-No.	Designation	€/piece
3360	Detachable 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 magnetic holder HM14 - Magnets for fixing flush-mounted boxes

02/19(02/19)

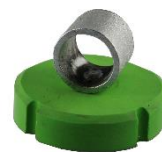
This product enables quick fixation of electrical installation parts (e.g. sockets and junction boxes) on the control table.

Advantages at a glance:

- Very high magnetic force
- clean solution, as no glue is required
- Time saving: fast positioning
- secure hold of the can during the concreting, compaction and curing process
- Easy removal of the magnets after the concreting process
- Long service life due to robust materials (PU + steel)
- Can also be adapted to special dimensions

Note: Before first use, soak magnets in formwork oil!

This also provides sufficient rust protection and makes it easier to clean the magnets.



BGW magnetic holders can be used by various manufacturers:
e.g. Spelsberg, Kaiser, Legrand, Eiko, Agro, Ammer, ABB, Attema, Fuga

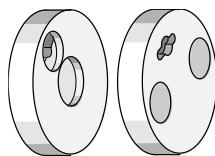


Art.-No.	Diameter Mm	Height Mm	Chamfer Ø	Adhesive force Medical history	Price €	suitable for electric socket
Magnet HM14-60x25	60	25			40	
HM14-S2	61	26	68	70	73,00	Kaiser Appliance Junction Box

BGW Magnetic holder Type HM8

This magnet system is particularly suitable for fixing Spelzberg cans on steel formwork. Despite its small size and contact surface, this magnet achieves an enormous adhesive force. The shape of the magnet is specially adapted to that of the Spelzberg cans and thus prevents the can from slipping. By means of the release key, which is inserted into the opening provided for this purpose, the magnet can be easily removed from the box.

Art.-No.	Number 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

Art.-No.	Price €/piece
KeyHM9	17,90



	Art.-No.	Price €/piece
Dispenser	80635	22,90
Adhesive tape	802490	2,80



To prevent cement glue from penetrating the opening and damaging the built-in part and the magnet system, the built-in part is sealed with adhesive tape.

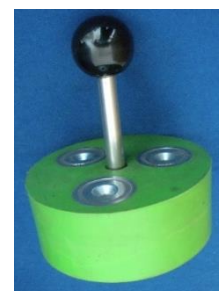
BGW magnet type HM14 – magnets for fastening round conduits such as KG pipes, HT pipes, corrugated cladding pipes, etc.

07/22^(07/22)

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

HM14 – PU conduit fastening

Art.-No. Holding	Ø Inside Mm	Ø outside Mm	Height Mm	Adhesive force medical history	Weight approx. kg	Price €/piece	
Magnet HM14-14	14		50		0,125		for conduit
HM14-17	17	25		9	0,016		for conduit
Magnet HM14-22	22		50		0,125		for conduit
MagnetHM14-26	26		50		0,125		for conduit
HM14-30	28	30		27	0,016		for conduit
HM14-40	40		40		0,125		for conduit
MagnetHM14-44	44		50		0,125		for conduit
HM14-50		50	50				for conduit
Magnet HM14-55		55	50		0,125		for conduit
Magnet HM14-60		60	40				for conduit
Magnet HM14-65		65	40		0,189		for conduit
Magnet HM14-70		70	40				for conduit
Magnet HM14-80		80	40		0,373		for conduit
MagnetHM14-110		110	40				for conduit
MagnetHM14-115		115	40				for conduit
MagnetHM14-125		125	40				for conduit
MagnetHM14-140		140	40				for conduit
MagnetHM14-150		150	40				for conduit
MagnetHM14-160		160	40		0,970		for conduit



HM14 – PU conduit fastening with all-round chamfer, for chamfered concrete edges

Available all Ø approx. up to 250mm

Examples:

Art.-No. Holding	Ø Inside Mm	Ø outside Mm	Height Mm	Adhesive force medical history	Weight approx. kg	Price €/piece	
MagnetHM14-69		69	50				for conduit Upper edge with chamfer
MagnetHM14-101		101	50				for conduit Upper edge with chamfer
HM14-180		190	60				



	Art.-No.	Price €/piece
Dispenser	80635	22,90
Adhesive tape	802490	2,80



To prevent cement glue from penetrating the opening and damaging the built-in part and the magnet system, the built-in part is sealed with adhesive tape.



BGW magnet type HM14 – magnets for fastening round conduits such as KG pipes, HT pipes, corrugated cladding pipes, etc.

07/22^(07/22)

HM14 – Fastening of rectangular flush-mounted boxes

Examples:

Art.-No. Holding	Ø Inside Mm	Ø outside Mm	Adhesive force medical history	Weight approx. kg	Price €/piece			
HM14-S2		61	70	0,300	73,00	With chamfer 68	Height 26	Universal magnet for flush-mounted boxes
HM14-S1		60		0,172			15	Socket Kaiser
HM14-S3	62	75	50				18	for Spelsbergdose
Magnet HM14-75		75		0,200			50	for sockets
Magnet HM14-65V		65					15	for electrical socket
Magnet HM14-60x25								for sockets
Magnet HM14-HM14-52x52								for sockets
HM14-52x110							14	for sockets
HM14-45x70								for sockets
HM14-45x45								for sockets



Key for magnetic holder HM8

Art.-No.	Price €/piece
KeyHM9	17,90



BGW magnet type HM14 – magnets for fastening round conduits such as KG pipes, HT pipes, corrugated cladding pipes, etc.

07/22^(07/22)

HM14 made of polyurethane

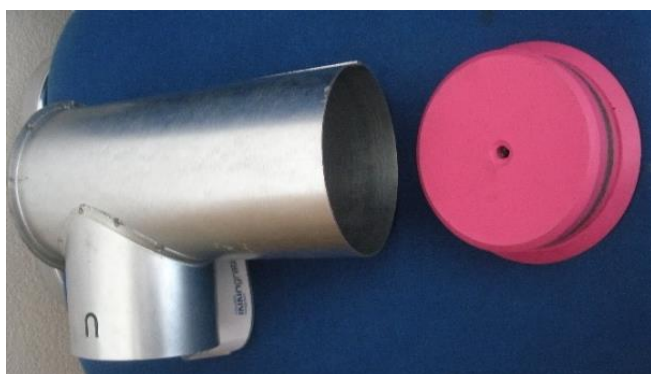
in the front side is a magnet system, the body is cylindrical and has an edge-breaking chamfer all around on the magnetic front side approx. 7x7mm

Art.-No. Holding	Ø Sleeve Mm	Ø Mm	Height Mm	for Tube	Weight approx. kg	Price €/piece
MagnetHM14-100	100	110	40	Medical history	0,350	70,00
MagnetHM14-103,2	103,2	110	40	Medical history		
MagnetHM14-125-17,5	117,5	125	40	Medical history	0,600	
MagnetHM-150-160	150	160	40	Medical history	0,900	102,00
MagnetHM14-150-152,2	150	152,2	40	Medical history	0,900	
MagnetHM14-200-189	200	189	40	Medical history	1,500	

HM14 made of polyurethane

in the front is a magnetic system, the body is cylindrical

Art.-No. Holding	Ø Sleeve Mm	Height Mm	for Tube	Weight approx. kg	Price €/piece
HM14-100	100	40	KG, HT		
MagnetHM 14 125-125	125	40	Medical history	0,550	85,00
HM14-150	150	40	KG, HT		
Magnet HM14-200-200	200	40	Medical history	1,600	155,00



BGW Magnetic holder Type HM14 – Magnets for Fastening Rectangular and Square Tubes - (Corrugated Cladding Tubes)

01/24 (01/24)

HM14 provides a reliable magnetic fastening solution to ensure the secure holding, preventing slipping and floating of corrugated cladding during concreting on steel formwork.

Square Tubes

Item no.	LxW	High	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 strip HM15 - a formwork as edge formwork, also as a separating part

02/19_(02/19)

for formwork of precast concrete elements of all kinds

The magnetic formwork strip is used for the shuttering of ceiling tiles, balcony slabs, double walls, partition walls, window and door frames, wall openings, openings in garage production, etc. The two formwork surfaces of the formwork strip are made of steel, between which the magnet system, protected against formwork oil, vibrations and impacts, is encapsulated in plastic (dimensionally stable). The support surfaces (adhesive surfaces) are planed at right angles to the formwork side. During formworking, the formwork strip is magnetically pulled onto the formwork floor in a form-fitting manner and does not float, which prevents the concrete from bleeding out and achieves exact edge formation. In shelling, several strips can be lined up one after the other or placed on top of each other without offset, as they magnetically attract each other when they are opposite (1 side north pole / 1 side south pole). Magnetic casting grooves can also be placed on the sides, for example. The strip can be cut to the desired length with an iron saw without damaging the magnetic adhesion (the magnetic field). To fasten stiffening diagonals, holes can be drilled in the formwork strip. The formwork strips are lightweight (4 kg per metre at a height of 70 mm) and are therefore easy to transport and handle, which also increases occupational safety. The strip is smooth and without dirt-prone corners, which makes it easy to clean. Thanks to its compact design, the formwork strip can be stacked on top of each other with the flat side on top of each other or stored next to each other on the shelf in a space-saving manner.

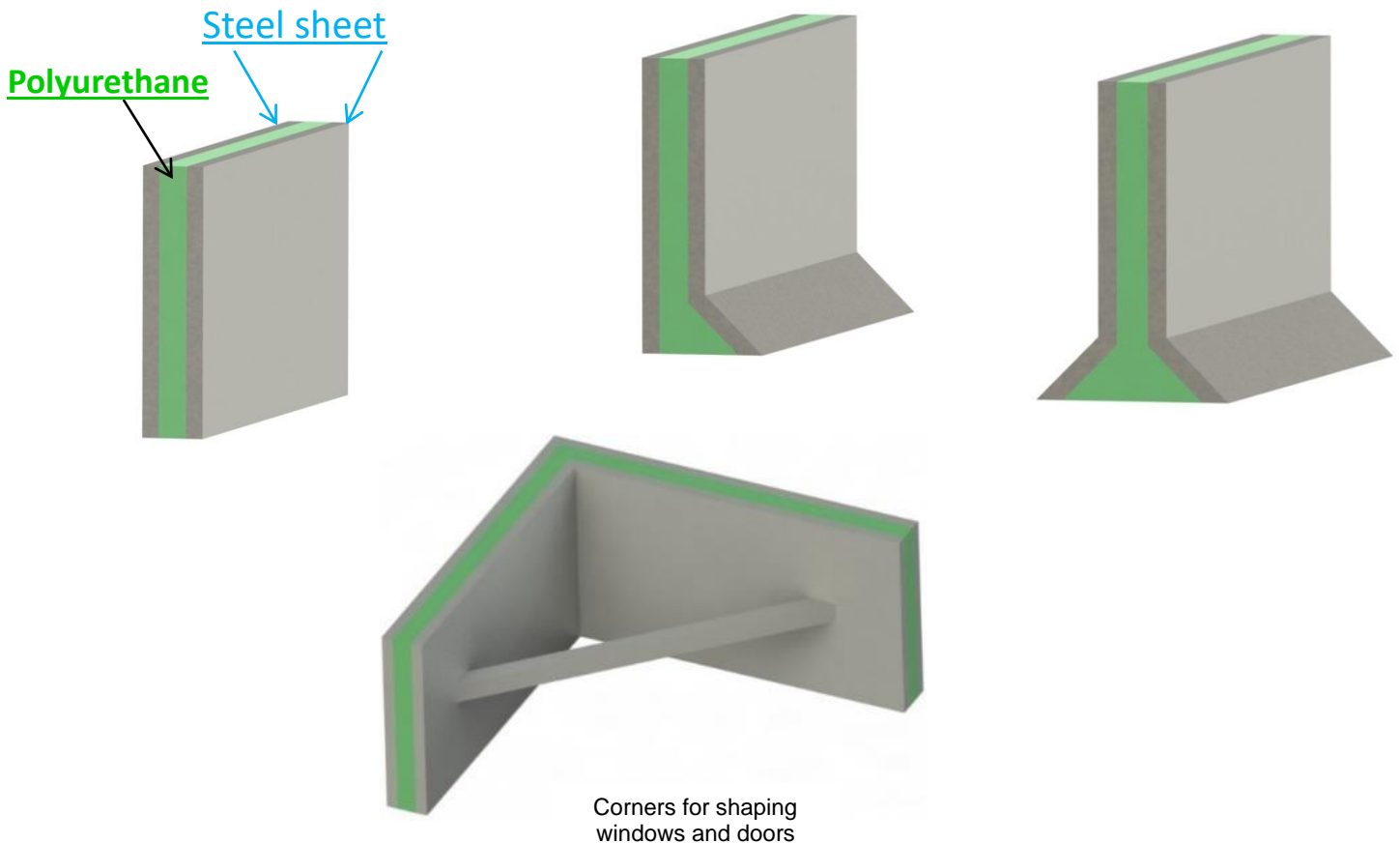
The HM15 shutter strip is available in two variants with different magnets.

Variant F: Formwork strip with ferrite magnets, **adhesive force 150 kg/m**

Variant N: Formwork strip with neodymium magnets, **adhesive force 280 kg/m**

Alternatively, the N variant can also be supplied with an adhesive force of 450 kg/m. Price on request.

Attention: Wear gloves, as there are pronounced edges!

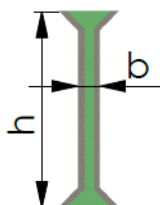
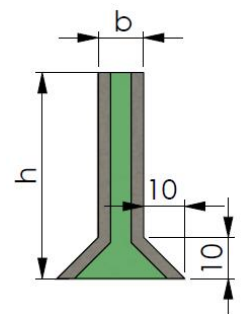
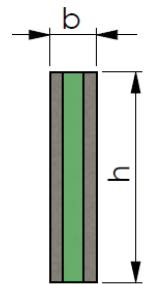
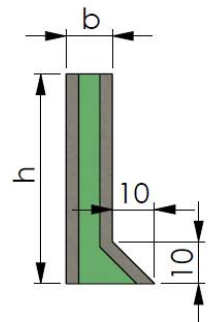


BGW-Magnetische Schalleiste HM15 - eine Schalung als Randschalung, auch als Trennschied

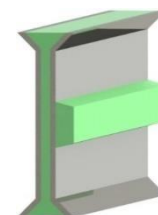
Operating instructions:

- Oil the formwork strip
- place on a clean formwork base (stiffen in a T-shape for high parts)
- Concreting the precast part (the top can be peeled off sharp-edged, no radii on the prefabricated part)
- After lifting the prefabricated part, detach the formwork strip from the formwork with the detachable fork

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



Formwork strip with
bevel on both sides –



Formwork strip with magnetic
casting groove on the side

BGW-HM16 for fixing anchor channels

04/21 (11/19)

Magnet system for attaching C-shaped anchor rails to steel formwork with hammer head lock for secure fit (connection) of the anchor rail and magnet system, as well as secure adhesion to the steel formwork.

The fixation system consists of a magnetic strip. The magnetic material is neodymium. The magnetic strip is cast in plastic, so that the magnet system is protected and unintentional adhesion to the rail base is avoided.

In order to fix the anchor rail to the steel formwork, the magnetic strip is inserted into the anchor rail with the non-stick side, and with a screwdriver or a 5-cent piece, the locking element is twisted by 90° so that it engages the profile. To prevent the magnetic strip from slipping in the profile slot, the grub screw in the locking part with Allen key 3 mm is screwed in to the base of the anchor channel after alignment. This then fixes the magnetic strip in the anchor rail by pressing the locking element against the undercuts of the profile. On this axis, the magnet system then aligns itself to the formwork side.

It is important that the magnetic strip is protected with a thick layer of release agent before installation in the anchor rail, the locking element, the thread and the grub screw with a thick layer of grease (against concrete).

The magnetic strip must be protected from penetrating concrete along its entire length, including the anchor rail, with a thin adhesive strip, e.g. packing tape. After stripping, peel off the adhesive stiffener, unlock the magnet, allow the magnetic strip to adhere to the flat bar and remove it from the anchor rail. Keep the magnet system clean!

BGW-HM16 with a locking mechanism inside

Length: 100 mm

Item no.	Profile Type	Length Mm	Adhesive force Medical history	Weight medical history	Price €/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 medical history	Weight medical history	Price €/piece
HM16-HAC-20W	20W	125	40	0,120	52,00

Length: 150 mm

Item no.	Profile-type	Length Mm	Detention-force kg	Weight medical history	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
HM16-53/34W-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

Length: 200 mm

Item no.	Profile-type	Length Mm	Detention-force kg	Weight medical history	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
HM16-53/34W	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

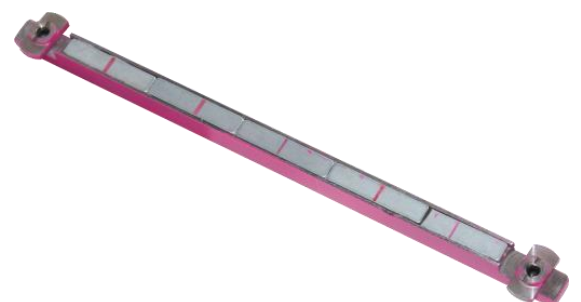
BGW-HM16 with two external locks

Length: 240 mm

Item no.	Profile-type	Length mm	Adhesive force medical history	Weight medical history	Price €/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
HM16-53/34W2-240	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

Hier zur Videoanleitung - Ausbauen von Magneten zum Fixieren von Ankerschienen:

https://www.bgw-bohr.de/video/2021-04-13_Ausbauen_von_Magneten_zum_Fixieren_von_Ankerschienen.avi



BGW magnet type HM17 - Circular saw magnet, for opening and magnetic fastening of reinforcement connection boxes

09/15_(09/15)

The **BGW** HM17 magnet system is used to fasten various built-in parts such as reinforcement connections or connecting loops by magnetic force.

Advantages of the system at a glance:

- Clean fastening of built-in parts
- no more glue required
- High adhesion force
- Positioning of the built-in parts
- No more slipping
- Use with standard drill
- also suitable for thin tin boxes



BGW Sawtooth Magnet HM17

This product is used for fastening reinforcement backbending connections to steel formwork. Thanks to the innovative combination of hole saw, clamping thread and magnetic holder conventional and time-consuming bonding methods are no longer necessary.

Art.-No.	Ø mm	Magnetic inserts	Adhesive force medical history	Price €/piece
HM17-35 Saw	35	5	25	63,00
HM17-65 Saw	65	5	80	78,00



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

Art.-No.	Price €/piece
HM17 drive	18,00

BGW magnetic holder HM17 – Innovative magnet solution from BGW

For fastening connecting rails to steel formwork

The company BGW-Bohr GmbH, Steinfeld, Germany, has developed a new type of magnet system for fastening potting parts such as reinforcement connections or connecting loops to at least partially ferromagnetic formwork. Years ago, BGW was able to establish itself on the market as a competent partner to the precast concrete industry. The product range ranges from traditional transport anchor techniques to customer-specific special products and complete formwork concepts for precast production. Furthermore, the company continues to draw attention to itself with innovative solutions, all of which pursue the goal of making production in the precast plants even more efficient and profitable.

To this day, visitors are presented with the same picture in every concrete plant: a wide variety of methods are used to try to fix backbend connections, connecting loops, connecting rails or other grouting parts to the formwork. Although fastening methods such as gluing or nailing have been used 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 also damaged by nailing. An alternative is gluing with double-sided tape or hot glue, but in this case the formwork must 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 processes in the form of the saw magnet.

BGW-Magnetic holder HM17 – Innovative magnet solution from BGW

09/15_(09/15)

This is a reusable magnetic device, which is drilled through its saw teeth on the non-magnetic underside with the help of a standard cordless screwdriver into the covers made of plastic or sheet metal of the housings to be attached. By means of the thread twisted on the outside of the magnetic body, the saw magnet is sunk further into the housing until a flush finish is achieved between the magnetic front surface and the side of the component facing the formwork.

The potting element to be fastened can now be positioned anywhere on the formwork and is securely fixed during casting and hardening due to the high adhesive force of the magnet. In addition, if required, several adhesive elements can be used evenly over the length of a profile. The magnet can either be removed with the casing or remains in the potting element, is subsequently removed from it and can be reused.

The advantages of the saw magnet are obvious:

- Fastening by means of magnets, for example, eliminates the gluing process. This makes you independent of fixed gluing stations, and the fixation by magnets is also much more powerful
- Easy and quick handling: Magnets can be attached and released with a standard cordless screwdriver. The universal drive axle is suitable for all magnet diameters
- Versatile use: Due to the design in different sizes and adhesive forces, the saw magnet is predestined for use with a wide variety of products (see photos)
- Made of hardenable steel, even thin sheets can be drilled through. Furthermore, this gives the magnet a long service life, which makes it an investment in the future

The product was presented to the public for the first time at the Ulm Concrete Days in 2003. The positive reactions of the visitors were underlined by statements ranging from "smart" to "ingenious".

Like almost all BGW products, this one is also manufactured on the company's own production facilities. This makes it possible to respond to special customer requests at short notice.



BGW magnetic holder type HM18 - angular magnetic body made of polyurethane for holding the shear of the formwork

10/10_(12/21)

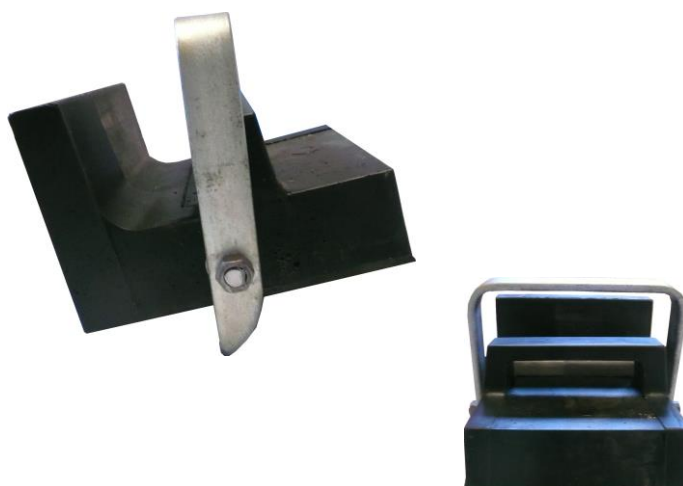
Very light and ergonomically shaped magnet made of the robust material PU.

The BGW HM18 magnetic holder is particularly suitable for fixing wood and steel formwork during the production of precast concrete elements as well as for in-situ steel formwork. Window and door recesses made of wood or steel can be securely fixed against lateral migration. Due to the existing nail holes in the magnetic front, wooden formwork can be screwed or nailed directly and fixed at right angles to the formwork floor. The integrated handle allows for safe and easy positioning and detachment of the magnet. The PU plastic used is characterized by very low weight and its smooth surface and does not swell during the concreting process.

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

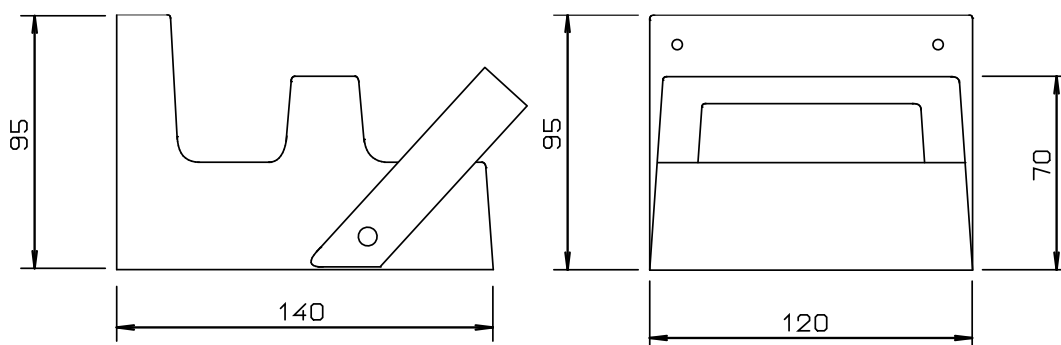
Advantages at a glance:

- Very low weight: approx. 1.6 kg
- Various adhesive forces
- Robust magnetic body
- No danger from sharp metal edges
- Easy handling
- only underside magnetic
- High level of occupational safety
- Maintenance
- dimensionally stable
- smooth, low-adhesion surface



No.	Adhesive force medical history	Dimensions in mm				Price € / Piece
		H1	H2	B	L	
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.

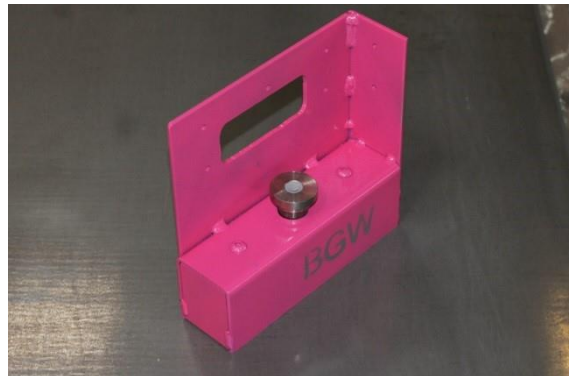


BGW magnetic holder type HM19 zfor flanging formwork in different lengths and heights

05/16(05/16)

The HM19 product family – the lightweights with the high adhesive strength of the BGW magnetic holders for concrete formwork construction. The comfort solution.

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



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

Today: approx. 1 kg magnet > 1000 kg adhesive force

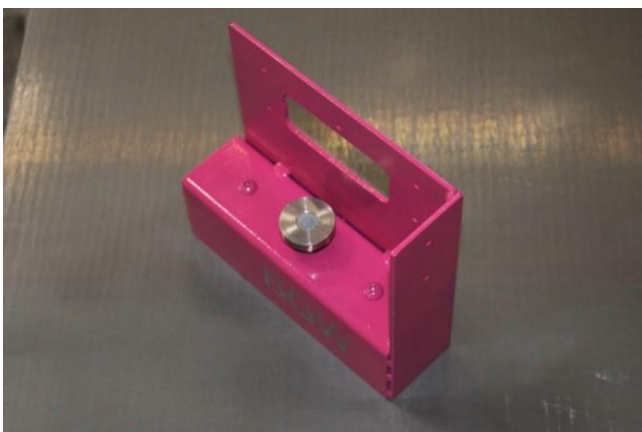
Formerly: approx. 10 kg magnet > 1000 kg adhesive force.

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

The shutterer can easily apply a few thousand kilos of adhesive force at once - with one hand - to the formwork. For this purpose, penetrations are incorporated into the stop plate. For this purpose, the shutterer places the sling plate against the sling plate and can then pick up both magnetic boxes with one handle, without the risk of the magnetic attraction causing the magnetic boxes to stick together and the employee being seriously injured by crushing his hands and fingers between them.

The BGW-HM19 magnet systems are always recessed in the formwork beam and must be switched with force so that the built-in magnet system can adhere to the steel formwork floor.

On request, the acquisition costs of such systems can be subsidized by the BG with 20% (apply to your BG).



BGW magnetic holder type HM19 for flanging formwork in different sizes Lengths and heights

05/16_(05/16)

Handling the magnetic box:

Before each switching of the magnetic boxes, the adhesive side of the magnets and the place of the steel formwork base must be metallically bare and flat.

Each magnetic box has at least two stop plates. One longitudinally and one transversely at a right angle of 90° to the steel formwork floor.

The openings are located in the longitudinal stop plate. In both stop plates there are holes for attaching the longitudinal, transverse and corner formwork.

To support the shear of the formwork, magnetic boxes are placed 90° transversely to the formwork.

The smaller magnetic boxes with an adhesive force of up to 900 kg are available in the right- and left-corner version, the stronger ones in the combination right/left corner version.

The formwork boxes could already 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 so that the formwork is firmly in place.

When switching the magnetic boxes, they are tightened on the steel formwork floor.

The magnetic box does not stick to the steel formwork floor when it is placed on it, it can be placed freely in position. Only when the switch knob is pressed downwards, in the direction of the steel formwork floor, does the magnet switch through and is connected to the Steel formwork floor magnetically connected.

Magnetic box HM19

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

Art.-No.	Adhesive force kg	Lengthmm	Widthmm	Formwork plate height	Execution	Price /piece
32101	900	210	60	200	R	from 160,00 €
32102	900	210	60	200	L	from 160,00 €
32103	1300	350	60	200	R+L	from 240,00 €
32104	1300	350	60	200	R+L	from 240,00 €
32105	900	210	120	200	R	from 180,00 € incl.
32106	900	210	120	200	L	from 180,00 € incl.
32107	1800	210	120	200	R	from 260,00 €
32108	1800	210	120	200	L	from 260,00 €

BGW magnetic holder type HM20 for slinging and holding down formwork

05/16 (05/16)

The BGW HM20 magnetic holder is based on the basic module of the HM13 product family – the lightweights with the high adhesive force for concrete formwork construction. The advantage of the HM20 magnet system: high adhesive force, less weight and less space requirement. The comfort solution.

By tightening the adjustable toggle handles on the double columns, the hold-down devices press the formwork at right angles onto the formwork floor.

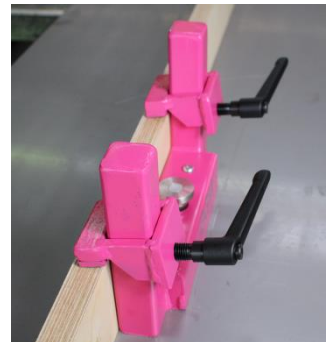
This makes it possible to precisely set up the formwork on the formwork floor at any formwork height.

The hold-down clamps are replaceable and can be adapted to the installation application.



Advantages/Overview

- To prevent vertical and horizontal drifting of the formwork.
- Precisely angled prefabricated parts thanks to precise angular stop on the hold-down columns.
- Eccentrically adjustable toggle handle.
- Switchable magnet with steel springs.
- Application/structure can be exchanged quickly.
- flexible application / magnetic elements can be used for different formwork can be used.



Art.-No.	Adhesive force kg	Lengthmm	Widthmm	Clamping height Mm	Execution	Price /piece
32109	900	210	60	200	40 x 40	190,00€ incl.
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 x 40	
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	

On request, the acquisition costs of such systems can be subsidized by the BG with 20% (apply to your BG).

BGW magnetic holder type HM20-1 for slinging and holding down formwork

02/22 (02/22)

The BGW magnetic holder HM20-1 is based on the basic module of the HM13 product family – the lightweights with the high adhesive force for concrete formwork construction. The advantage of the HM20-1 magnet system: high adhesive force, less weight and less space requirement. The comfort solution. The formwork can be attached to the magnet system at right angles on two sides, at the front and longitudinally. By tightening the adjustable toggle handle, the hold-down device presses the formwork at a right angle onto the formwork floor. This makes it possible to set up the formwork exactly on the formwork floor at any formwork height. The hold-down clamp is replaceable and will be adapted to the installation case.



Advantages/Overview

- To prevent vertical and horizontal drifting of the formwork.
- Precisely angled prefabricated parts thanks to precise angular stop on the hold-down columns.
- Eccentrically adjustable toggle handle.
- Switchable magnet with steel springs.
- Application/structure can be exchanged quickly.
- flexible application / magnetic elements can be used for different formwork can be used.



Art.-No.	Adhesive force kg	Lengthmm	Widthmm	Clamping height Mm	Execution	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 hold-down claw

Hold-down clamp is replaceable and will be adapted to the installation case. Of course, a screw clamp can also be attached to the rectangular column to fasten the formwork.

Art.-No.	Price €/piece
HM20-0	35,00



BGW Magnetic holder Type HM21 Eccentric Strut

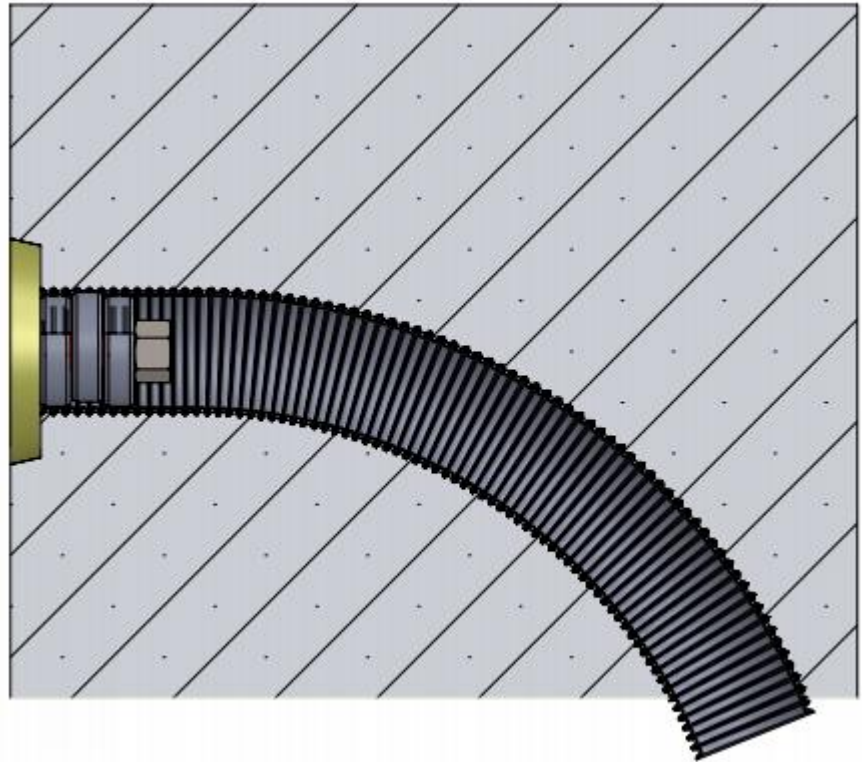
12/17 (12/17)

E magnetic eccentric strut

The BGW eccentric spreader is suitable for securely holding circular bodies, such as electrical conduits, corrugated cladding pipes HT and KG heating pipes, etc. from \varnothing 10 to 250 mm.

How does the eccentric strut work?

Before use, the tool must be handled well with Protect release agents. The pin of the eccentric strut must be 1 to 2 mm smaller than the cylindrical component. This must be fixed during concreting.



Potentialities:

The spigot of the eccentric strut is inserted into the component and twisted with a special Allen wrench until the component is stuck on the spigot of the eccentric spreader. Now the cylindrical component with the magnetic eccentric strut is placed on the steel formwork.

Or the BGW magnetic eccentric strut is placed on the installation site of the steel formwork. After that,

part (tube) on the pins and turn the tube onto the spigot of the magnetic eccentric strut until it is firmly seated. After the concrete hardens

, the magnetic eccentric strut is removed from the concrete part.



When the magnetic eccentric strut is in the concrete part, the strut can be turned back to open with the special Allen key. To do this, attach the special tool to the magnetic side of the spreader and Use the handle on this tool to remove the loose eccentric strut from the component.

Special solutions: Our magnetic eccentric strut is suitable for circular bodies with a diameter of \varnothing 10 – 250 mm. Ask us directly for an individual solution.

BGW magnet type HM21 for electrical installation parts, flush-mounted boxes, installation boxes, switch boxes, cavity wall boxes, junction boxes

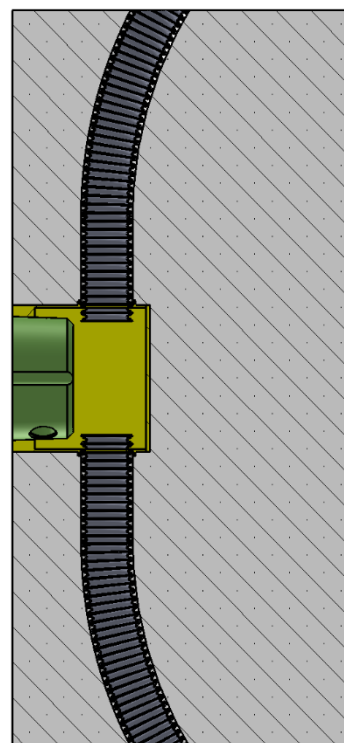
05/22 (05/22)

The magnetic clamping strut is designed to securely hold especially electrical sockets, circular bodies such as electrical conduits, Corrugated cladding pipes, HT and KG pipes, as well as heating pipes, etc. from Ø 10mm to 250mm suitable.

How does the clamping strut work on a flush-mounted box?

Protect the tool well with release agent. The clamping strut must have the shape of the flush-mounted box, which must fit on the clamping strut. The clamping strut is pressed onto the flush-mounted box, which pushes the clamping devices back into the magnetic magnetic struts, which means that it is firmly clamped to the flush-mounted box. **To prevent cement glue from penetrating the opening and damaging the built-in part and the magnet system, the built-in part is sealed with adhesive tape.** The same system applies to all other built-in parts, which can also have different shapes, such as square, rectangle, also with undercuts. After the final shelling of the component, the magnetic clamping spreaders must be removed with the help of a ferritic removal tool.

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



	Art.-No.	Price €/piece
Dispenser	80635	22,90
Adhesive tape	802490	2,80

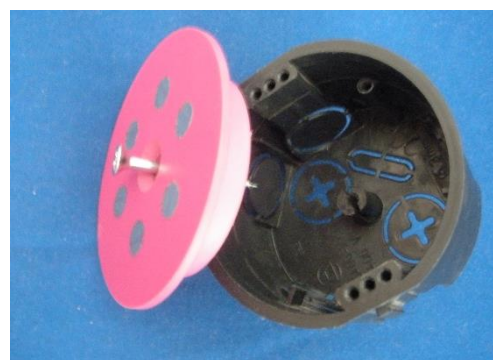
To prevent cement glue from penetrating the opening and damaging the built-in part and the magnet system, the built-in part is sealed with adhesive tape.



BGW magnetic holder for the installation of flush-mounted boxes in the precast concrete plant

05/22 (05/22)

This magnetic body made of plastic, with stop on the front side of the can edge, is screwed into the hole in the magnetic body a suitable \varnothing 4.5mm thick approx. 50mm or 70mm long wood screw until it exits the flush-mounted box on the back and the magnetic body is firmly connected to the flush-mounted box. To screw in the wood screw, it is advisable to use a cordless screwdriver. Now the flush-mounted box with the fixed magnetic body can be placed on the steel formwork. After the concrete has hardened, this wood screw is unscrewed again and the magnetic body is removed from the flush-mounted box. It is like all things that are to be taken out of the concrete and reused, they have to be protected against the adhering concrete with a release agent. Treat the magnetic body with release agent before installing it in the flush-mounted box.



No.	Name	\varnothing Can rim	\varnothing Socket inside	Adhesive force kg	Height mm	Pkgged unit piece	Price € pcs.
HM14-73-55	Can holder	73	55	25	14	1	75

No.	Name	\varnothing Mm	Length Mm	Pkgged unit piece	Price € pcs.
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 Magnetic holder Type HM21

12/17 (12/17)

S Magnetic Strut Split

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

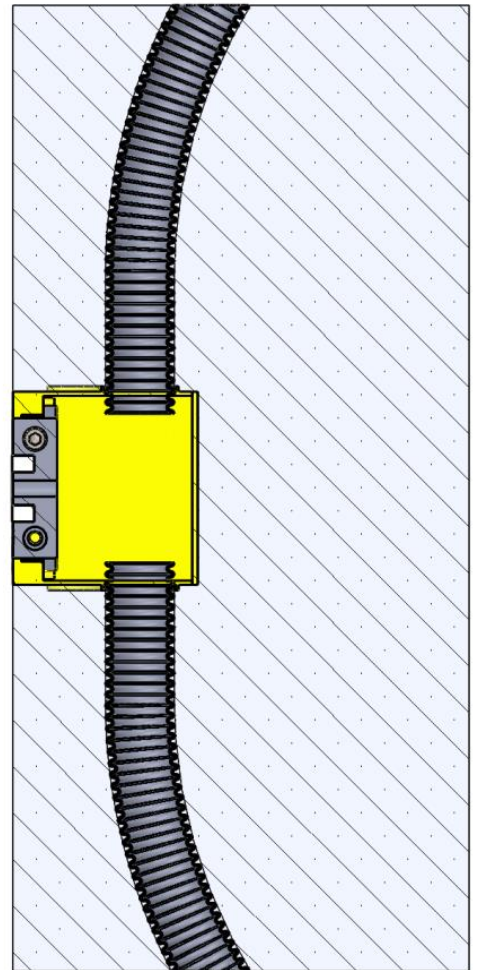
Video tutorials: <https://www.youtube.com/watch?v=cNuYdROy-3g>

The function of this tool!

The body is made of plastic as well as metal. Magnetic holders are attached to the underside. The body is divided, in the division are springs that push the body of the spread apart to a limited extent. When inserted into a flush-mounted box, the spread is compressed with special pliers and built into this flush-mounted box. The flush-mounted box with magnetic strut is placed on the steel formwork. The magnetic strut is removed from the built-in flush-mounted box with special pliers.



Special solutions: Our split magnetic spread is suitable for circular bodies with a diameter of Ø 10 – 250 mm. Ask us directly for an individual solution.



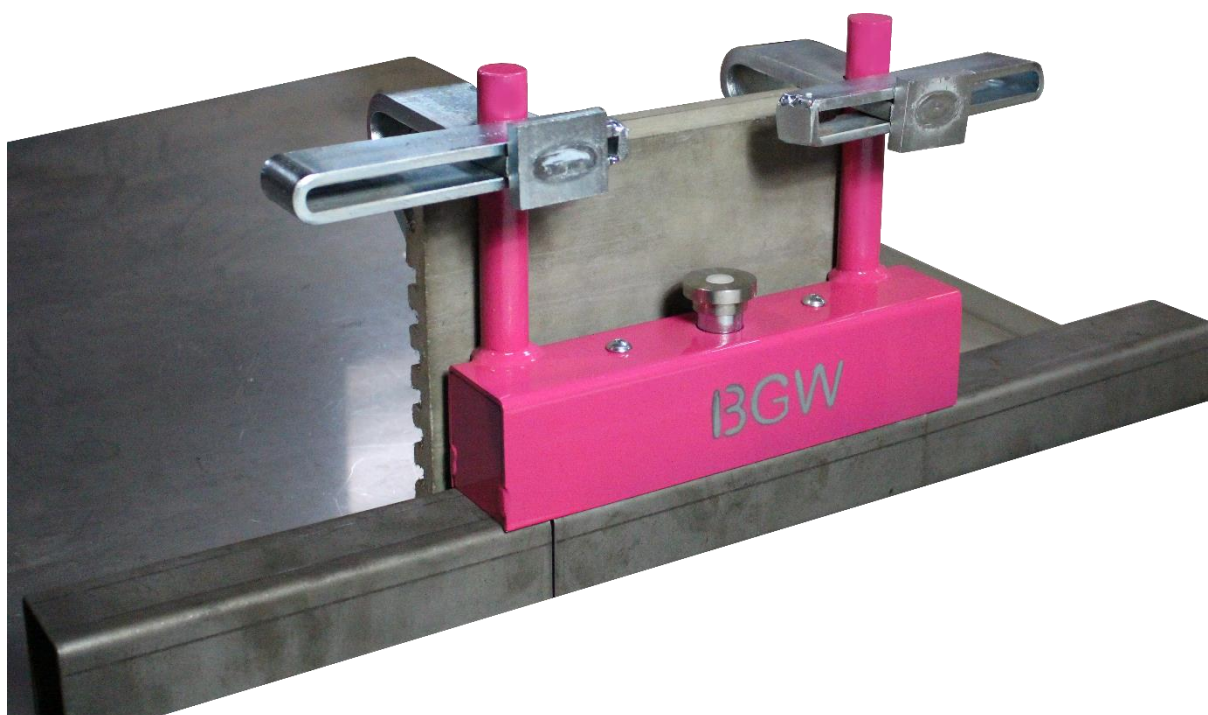
	Art.-No.	Price €/piece
Dispenser	80635	22,90
Adhesive tape	802490	2,80

To prevent cement glue from penetrating the opening and damaging the built-in part and the magnet system, the built-in part is sealed with adhesive tape.



BGW magnetic holder type HM22 – for placing on the edge formwork

05/17_(05/17)



The BGW HM22 magnetic holder is based on the basic module of the HM13 product family – the lightweights with the high adhesive force for concrete formwork construction. The advantage of the HM22 magnet system: high adhesive force, less weight and less space requirement. The comfort solution.

For placing on the edge formwork. As a result, the space of the formwork floor can be fully used. The clamping columns of the magnets protrude downwards, so that the usually existing lifting bevel becomes a straight, i.e. 90° stop. With the 90° double columns, the formwork – fibre concrete upstand can be attached to the clamping claws in a vibration-proof manner.

Advantages/Overview

- To prevent vertical and horizontal drifting of the formwork.
- Precisely angled prefabricated parts thanks to precisely angled 90° stop on the hold-down columns.
- Switchable magnet with steel springs.
- Application/structure can be exchanged quickly.
- Flexible application / magnetic elements can be used for different formwork can be used.



Art.-No.	Adhesive force medical history	Length Mm	Width Mm	Clamping height Mm	Price €/pc
32110	900	300	60	240	240,00
32111	1300	350	60	240	340,00

BGW magnetic holder type HM23 – neodymium variant of HM6 for holding down upstands

05/17^(05/17)



The BGW HM23 magnetic holder is based on the basic module of the HM13 product family – the lightweights with the high adhesive force for concrete formwork construction.

The advantage of the HM23 magnet system: high adhesive force, less weight and less space requirement.

The comfort solution.

Advantages/Overview

- To prevent vertical and horizontal drifting of the formwork.
- Precisely angled prefabricated parts thanks to precise angular 90° stop on the hold-down columns.
- Switchable magnet with steel springs.
- Application/structure can be exchanged quickly.
- Flexible application / magnetic elements can be used for different formwork.



Art.-No.	Adhesive force medical history	Length Mm	Width Mm	Clamping height Mm	Price €/pc.
32112	900	300	60	240	240,00
32113	1300	350	60	240	340,00

BGW-HM24 for fixing connecting loops

09/23^(12/21)

Function of the HM24:

You can watch the video after clicking on the link below.

The magnetic body adheres to both sides, on one side to the steel formwork and the back to the box, ensuring that the VS connection loop remains fixed.

Art.-No.	Adhesive force kg/page	Length Mm	Width Mm	Height Mm	Weight medical history	Price €/piece
HM24-1	55	40	35	25	0,250	92,00



Installation video instructions at:

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

BGW formwork hold-down magnet HM25

04/22^(04/22)

Old-reinforced magnet system with hold-down arm and conical formwork centering.

The magnetic body consists of iron plates, the magnetic plates made of plastic-bonded ferrite material installed in a north-south direction are axially magnetized. The tie rods passed through the magnetic body are made of stainless steel so that the field lines in the magnet system are not weakened or disturbed, which would weaken the adhesive force. The detachable lever is installed in the magnetic body on the side, not protruding from the outside.

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

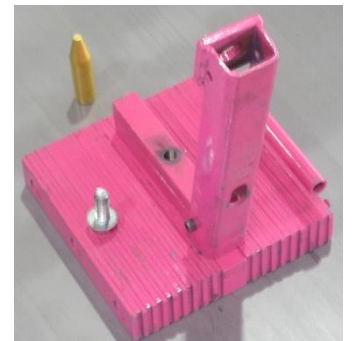
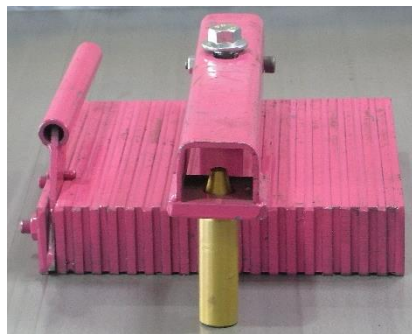
Installation instructions:

On the formwork bracket, the corresponding centering cone is welded onto the angle, standing in addition to the magnet. The formwork is placed on top of the oiled formwork floor. The hold-down arm, which is already pre-set with the screw on the magnetic body, is placed on the centering cone with the hole at the end of the hold-down arm. The magnetic body is then placed on the formwork base. By tightening the screw on the magnetic body, the hold-down arm is now pressed onto the centering cone. The hold-down arm can be hinged so that it and the magnetic body cannot interfere with the removal of the formwork and the component from the formwork.

Even without a centering cone, the formwork is pressed onto the formwork floor by tightening the screw on the hold-down arm.

BGW formwork hold-down magnet HM25

Art.-No.	Length with Hold	width	Adhesive force medical history	Move-force	Packaging-unit 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

Art.-No.	Ø	Length	Packaging-unit Piece	Weight kg / piece	Price € / Piece
HM25-K-100	25	100	100	0,380	12,00

BGW Magnetic holder Type HM26 – For holding down and limiting the shear of the formwork

03/22 (03/22)

The BGW HM26 magnet is based on a longer basic module of the HM13 switching module – the lightweights with high adhesive force due to the neodymium magnets built into the magnet system.

For holding, positioning and striking formwork angles on steel formwork floors – the profile of the basic module is longer for this purpose. To ensure that the formwork angle can be covered and held down, the basic module is adjusted/recessed on the front side under the formwork angle.

To ensure that the formwork or the formwork angle is pressed firmly onto the formwork floor after the magnet has been switched in the module, an adjusting screw is installed in the module profile above the recess.

With this adjusting screw, the formwork angle can be pressed onto the steel floor.

The advantage of the HM26 magnet system: high adhesive force, less weight and less space requirement (comfort solution)

To remove the stripping of the component, the adjusting screw is loosened. There is no need to remove the magnetic module from the steel floor.

The front side of the magnetic module is 90°, so it can be used to attach the formwork.

All surfaces are smooth, which is very conducive to maintenance.



Advantages/Overview:

- To prevent vertical and horizontal drifting of the formwork
- Switchable magnet with steel springs

Art.-No.	Adhesive force kg	Length mm	Width mm	Recess length and height mm	Price €/pc.
321124	900	300	60	80x60	250,00
321124	1300	400	60	80x60	350,00

BGW magnetic holder type HM27 – double-legged magnetic shut-off angle

11/22_(11/22)

Magnetic on two sides for the locksmith and the concrete worker in the precast concrete plant, more than just the third hand.

Resist the pressure of the concrete and against the floating of the formwork.

The standard angular surfaces *can be found in the table below* – but any other angular area measurement can also be supplied.

Standard right angle 90° or another is possible.

The adhesive force is the same on both legs in order to prevent the angle magnet with the less adhesive side from resting on the formwork floor due to a handling error and the formwork being able to slip as a result.

Magnetic material neodymium N42.

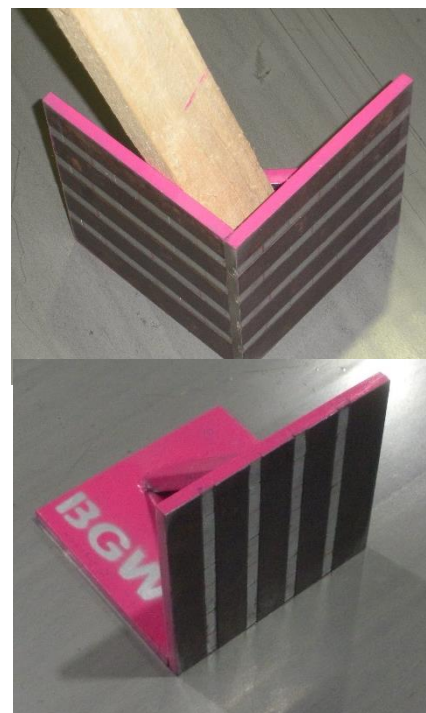
Heat resistant up to 60°.

By means of a lever made of wood, see picture, the magnet is detached from the formwork. The wood is pushed between the carrying handle and the magnetic bracket, and the support is provided on the formwork floor.

With the help of the lever wood, the formwork floor is not damaged.

The angle magnet is positioned on the steel formwork, which has to withstand the thrust of the formwork during concreting.

The formwork plate can be applied to the magnetic leg, the formwork sheet can no longer float or tilt. In addition, if a triangular strip with a flag is inserted between the formwork floor and the formwork sheet, this will stop the leakage of cement glue.



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

Art.-No.	Angle	Adhesive force kg Formwork side at the bottom	Adhesive force kg Formwork side front side	Length mm	Width mm	Weight kg/piece	Price €/pc.
32217	90°	150	150	100	100	1,6	230
32116	90°	220	220	140	140	3	290

BGW Magnetic holder Type HM28

02/23^(02/23)

Formwork magnet system for reliable counter-control of the shear forces and floating forces of the formwork during the concreting process. The magnetic body built into the steel housing can be switched with a tool, which is why the steel housing can be precisely adjusted and set up on the steel formwork.

The claws, on the front side or on the side of the steel housing – the switching module, press the underlying 21mm thick formwork board (pressure screen plate) onto the formwork floor with the force listed in the table.

By pulling up the magnetic bodies in the steel housing, the magnetic body is detached from the steel formwork.



Art.-No.	Adhesive force medical history	Length Width Magnet Module Mm	Width of claw arm mm	Number of claws	Claw length mm	Height above carrying handle Mm	Weight kg/piece	Pkgged unit 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 Magnetic holder Type HM29

Formwork magnet system for holding the pressed timber formwork – to counteract shear forces and buoyancy forces. The magnetic body built into the steel housing can be switched with a tool, which is why the steel housing can be precisely adjusted and set up on the steel formwork.

The welded-on counterparts to the formwork on the front side or side of the steel housing, the switching module (father-mother principle), press the formwork underneath onto the formwork floor with the force listed in the table. By pulling up the magnetic bodies in the steel housing, the magnetic body is detached from the steel formwork.



Art.-No.	Adhesive force kg	Length Width Magnet Module mm	Height above carrying handle mm	Weight kg/piece	Pkgged unit piece	Price €/piece
320-900HM29	900	220x60	100		5	220
320-1800HM29	1800	220x130	100		5	340

BGW Magnetic holder Systems (HM) Tips and Hints

04/22^(06/99)

* Magnet <Greek> -rarer-

The boom columns must be firmly attached to the magnet system to prevent bending and breakage of the column at the threaded journal.

Description:

Retaliatory action:

- | | |
|---|---|
| - Air gap between the magnet system and the Switchboard, through sand and concrete residues | Cleaning of the adhesive surface and the Switchgear |
| - Magnet system does not detach from the Steel formwork | With key \varnothing 17 mm tie rods tighten, then pry off the magnet |
| - Damaged pole plates | Minor damage to the pole plates can be done with the help of emery cloth can be fixed by yourself |

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

When handling magnets, make sure to keep a sufficient distance from each other. Due to the high adhesive force of the magnet systems, it is difficult to separate the systems from each other as soon as 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 can change their calibration or be damaged due to the high field strengths. In particular, magnetic systems must be placed at a safe distance (approx. 2 m) from computers, screens and all magnetic data carriers (e.g. floppy disks, credit cards, audio and video tapes, etc.), as well as from **Pacemakers** to keep.

Neodymium magnets of type N permanently lose part of their magnetization from 80°C, ribbons and foils from 85°C, ferrite magnets only from 250°C. Strong cooling (e.g. in liquid nitrogen) does not harm the neodymium magnets. Ferrite magnets, however, lose some of their magnetization below -40°C, magnetic tapes and magnetic foils below -20°C.

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

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

A selection of special magnets

06/21 (06/21)

Magnet for attaching pipes

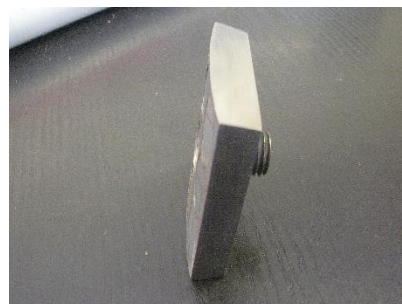
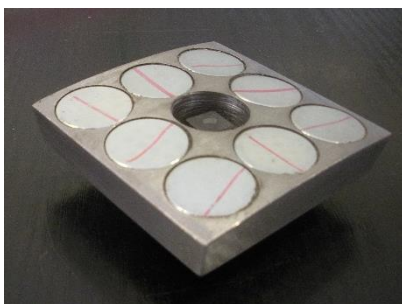
Ø 30mm – 250mm with step 168/180/181



Prices on request!

Square Magnet HM4

with radius and thread of M12-M52 for round formwork



Prices on request!

Magnets for holding flush-mounted components

such as built-in parts for heating and electrical installation



Prices on request!

A selection of special magnets

06/21 (06/21)

HM4 with Oring spigot

for attaching round built-in parts with or without thread



Prices on request!

HM4 for inclined installation

Omitting installations of threaded anchors, conduits, etc.



Prices on request!

BGW triangular strips steel (DKLS), magnetic

04/21(06/18)

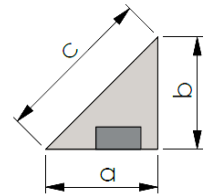
BGW triangular strips are available in steel and polyurethane. The magnetic adhesive force can be adjusted depending on the intended use. The maximum length of the strips is approx. 3m. Built-in adhesive force per meter see table. Strips with different adhesive forces and dimensions available on request.

BGW triangular strips made of steel, magnetic

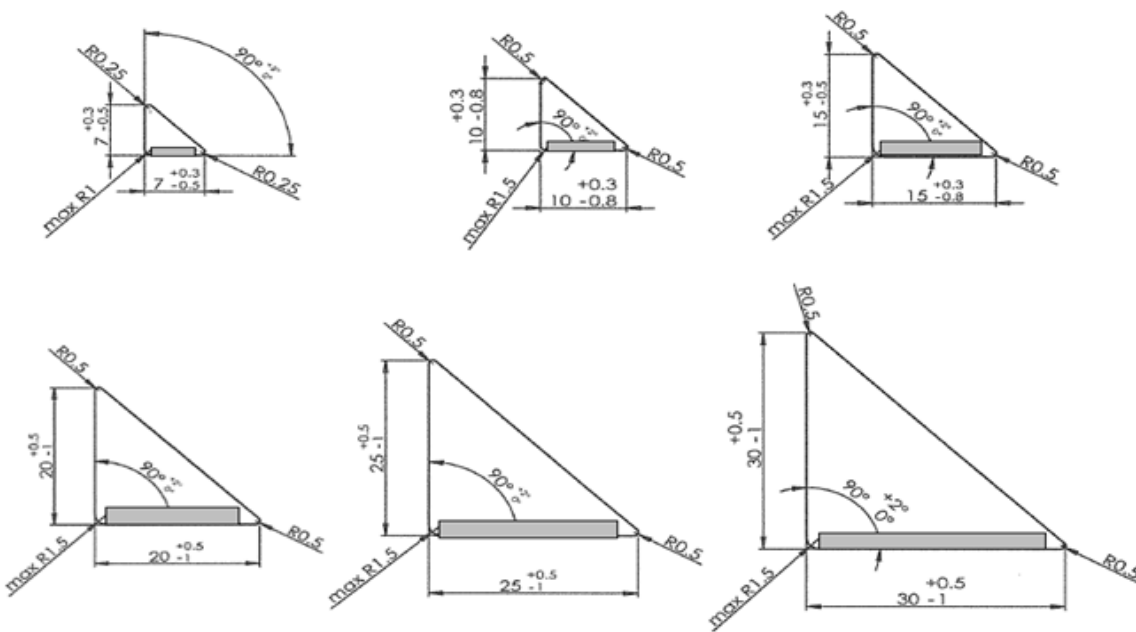
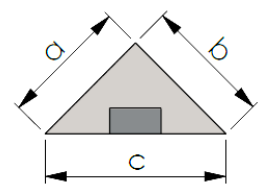
with continuous neodymium magnetic track

Art.-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



Type



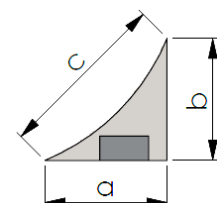
BGW triangular strips steel (DKLS),cove,magnetic

04/21(06/18)

Triangular strip made of steel, fillet, magnetic

with continuous neodymium magnetic track

Art.-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	52,00
54010S-H	10	10	14	64	3000	0,33	52,00
54015S-H	15	15	21	71	3000	0,73	60,00
54020S-H	20	20	28	88	3000	1,30	67,00
54025S-H	25	25	35	95	3000	2,00	73,00
54030S-H	30	30	42	142	3000	2,90	96,00



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

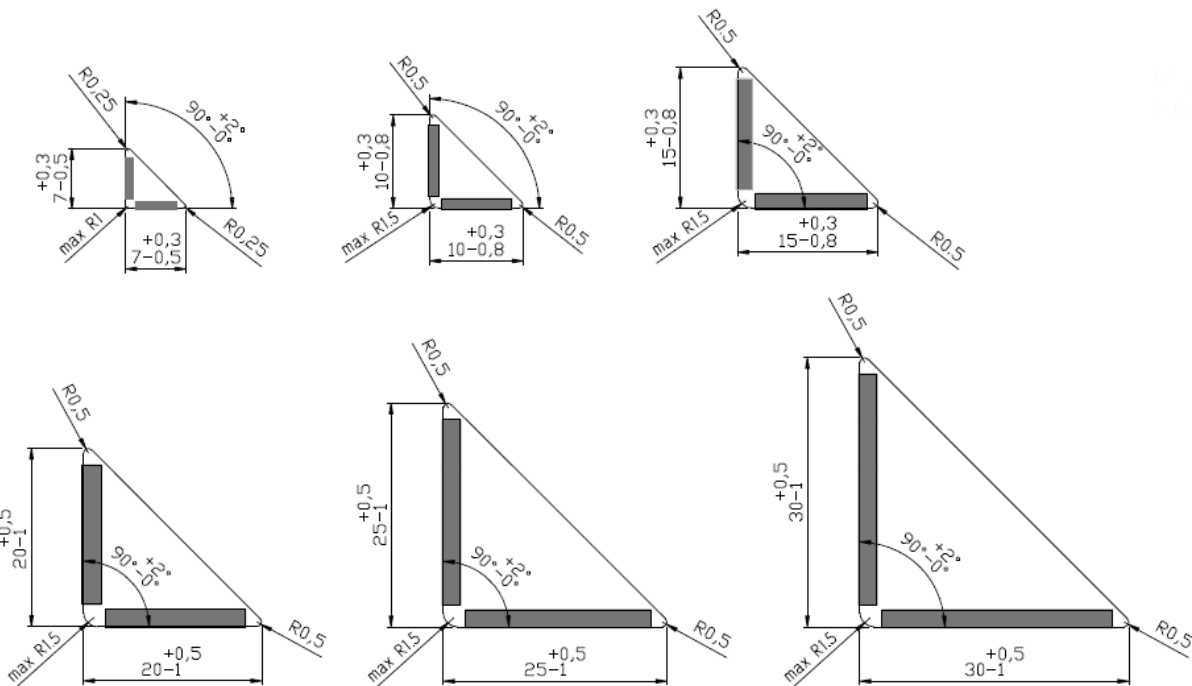
11/21(11/11)

BGW triangular strips are available in S235 steel. The magnetic adhesive force can be adjusted depending on the intended use. The maximum length of the strips is approx. 3m. Built-in adhesive force per meter see table. Strips with different adhesive forces and dimensions available on request.

BGW triangular strips made of steel, the two sides of the legs magnetically

with continuous neodymium magnetic track, both sides 100%

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



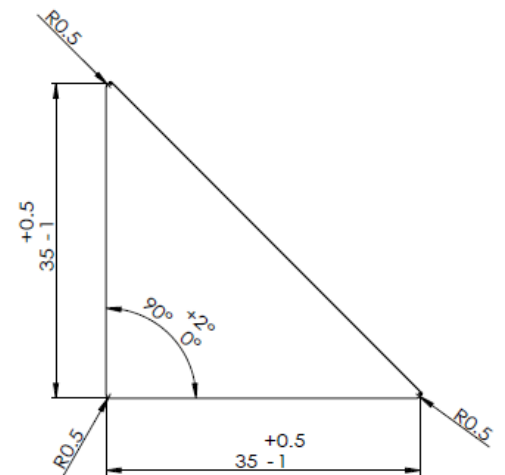
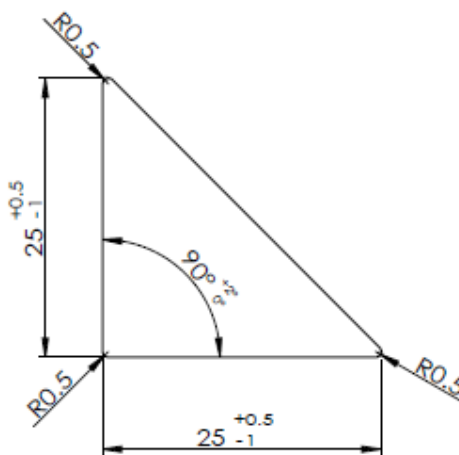
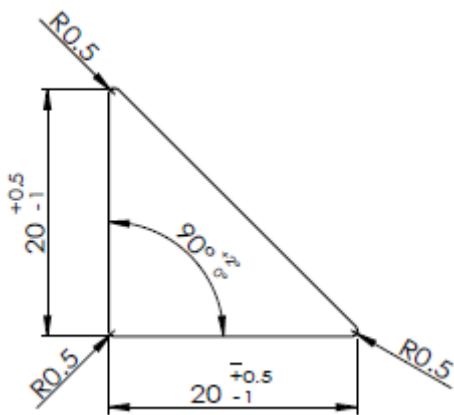
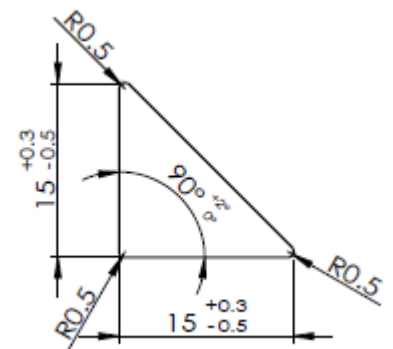
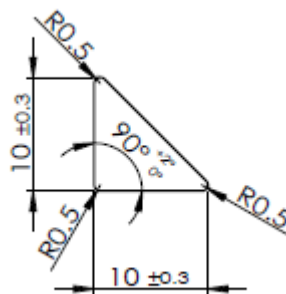
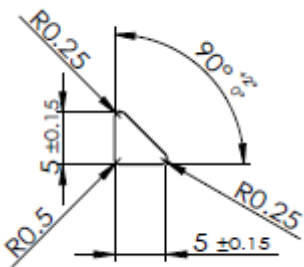
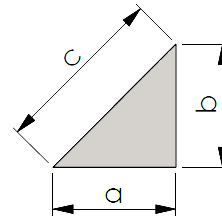
BGW triangular strips steel (DKLS)

04/21 (06/18)

Triangular steel strip

Art.-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 possible!



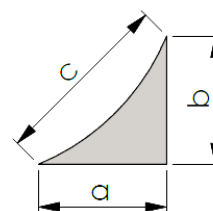
BGW triangular strips steel (DKLS) Concave moulding

04/21 (06/18)

Triangular strip made of steel, fillet

Art.-No.	a Mm	b Mm	c Mm	Length approx. [mm]	Weight [kg/m]	Price €/m
54007S-HU	7	7	10	2800	0,140	12,72
54010S-HU	10	10	14	2800	0,285	14,32
54015S-HU	15	15	21	2800	0,670	20,40
54020S-HU	20	20	28	2800	1,115	23,60
54025S-HU	25	25	35	2800	2,000	32,80
54030S-HU	30	30	42	2800	2,800	42,40

Other dimensions possible!



BGW triangular strips made of polyurethane (DKLK), magnetic

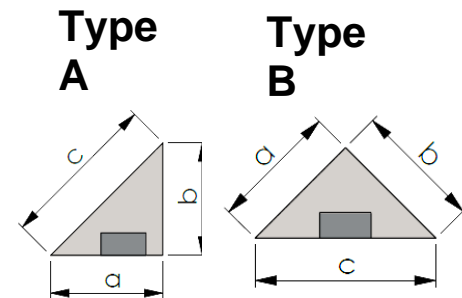
04/21 (06/18)

With steel core cast lengthwise into the plastic to stabilize the length of the triangular strip.

Triangular strip made of polyurethane, magnetic

with continuous neodymium magnetic track

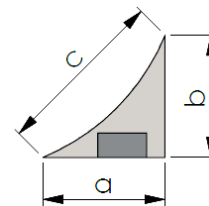
Art.-No.	Type	a Mm	b Mm	c Mm	Length Mm	Adhesive force kg/m	Weight kg/m	Price €/m
54007K-A	A	7	7	10	2000	12	0,070	42,00
54007K-B	B	7	7	10	2000	12	0,070	42,00
54010K-A	A	10	10	14	2800	12	0,130	42,00
54010K-B	B	10	10	14	2800	12	0,130	42,00
54015K-A	A	15	15	21	2700	12	0,290	50,00
54015K-B	B	15	15	21	2800	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	



Triangular strip made of polyurethane (DKLK), cove, magnetic Triangular strip made of polyurethane, cove, magnetic

with continuous neodymium magnetic track

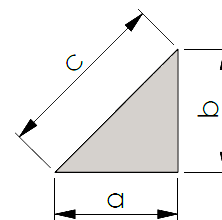
Art.-No.	a Mm	b Mm	c Mm	Adhesive force kg/m	Weight kg/m	Price €/m
54007K-H	7	7	10	12	0,070	52,00
54010K-H	10	10	14	12	0,120	52,00
54015K-H	15	15	21	12	0,270	60,00
54020K-H	20	20	28	38	0,450	67,00
54025K-H	25	25	35	38	0,700	73,00
54030K-H	30	30	42	38	1,000	96,00



Triangular strip made of polyurethane (DKLK)

Triangular strip made of polyurethane

Art.-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

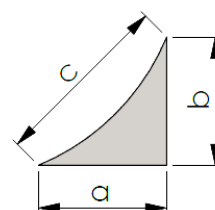


Other dimensions possible!

Triangular strip made of polyurethane (DKLK) Concave moulding

Triangular strip made of polyurethane, fillet

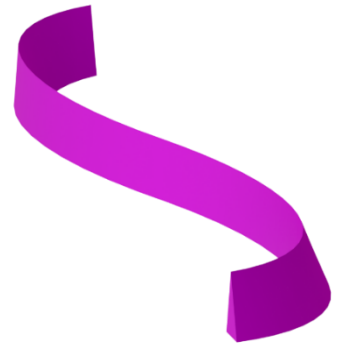
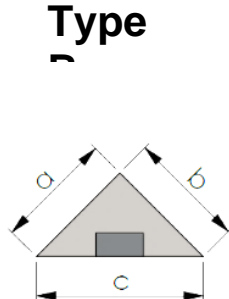
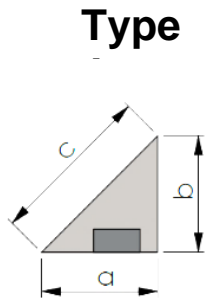
Art.-No.	a Mm	b Mm	c Mm	Weight kg/m	Price €/m
54007K-HU	7	7	10	0,025	12,72
54010K-HU	10	10	14	0,050	14,32
54015K-HU	15	15	21	0,110	20,40
54020K-HU	20	20	28	0,180	23,60
54025K-HU	25	25	35	0,285	32,80
54030K-HU	30	30	42	0,425	42,40



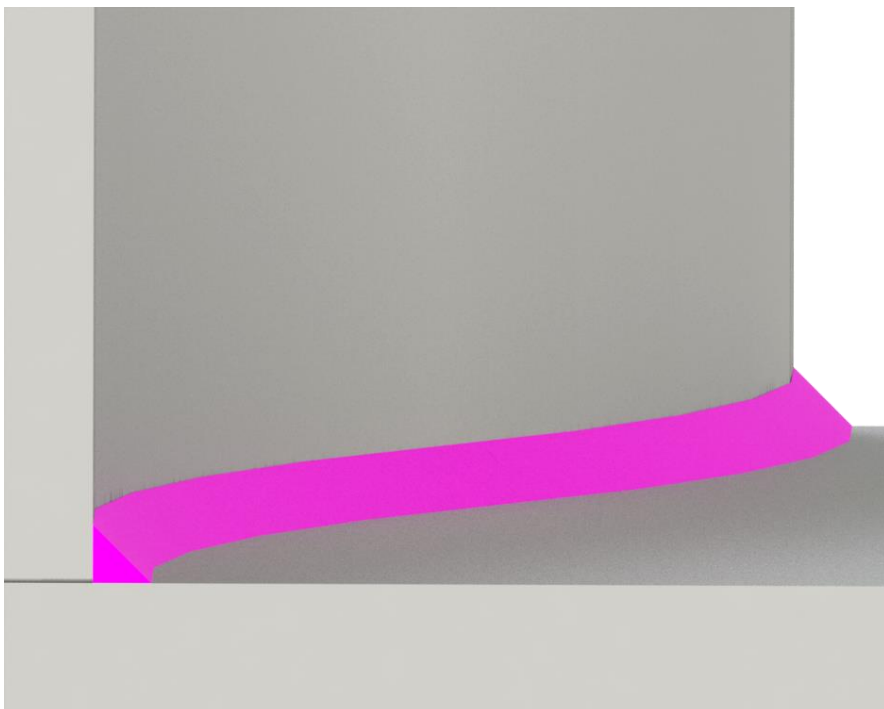
BGW triangular strip Flexi-N magnetic

01/22^(06/18)

The plastic of the BGW triangular strips is made of a special abrasion-resistant, non-water-absorbent polyurethane POU developed for the precast concrete plant. This POU is made of polyol and isocyanate. The triangular strips are cast in the appropriate shapes. During casting, flexible, prefabricated strips made of plastic-bonded neodymium are inserted into these molds, these neodymium strips form a permanent bond with the POU when casting the triangular strips. Due to this manufacturing process, these manufactured profiles (triangular strips) have a high adhesive force and are still very flexible. The length of the triangular strips is 2 m to approx. 3 m.



Art.-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	2800	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 profile

11/23_(11/23)

Magnetic profile for insertion into the formwork

It is used for chamfering edges and formwork of the water nose.

For insertion in the steel formwork before concreting balcony slabs, cover plates, window sills, steps, for the roof overhang of the underside of the attic, for concrete structures such as transformer stations, garages, etc.

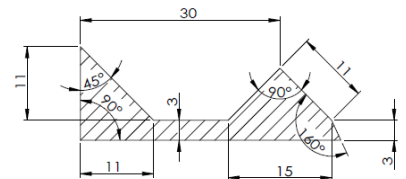
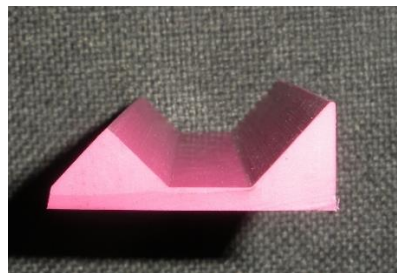
The profile is magnetic on the underside of the formwork side. For example, the profile can be divided in length or mitred with an angle grinder.

The water-stop profile is applied to the edge formwork in a sealing manner all around and then adheres magnetically to the steel formwork.

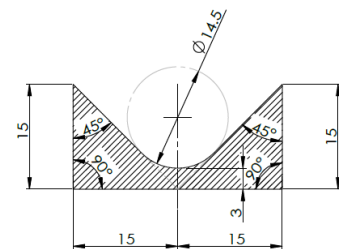
The water stop profile must be protected a few times with a release agent before concreting from the otherwise adhering concrete.

Dimensions:

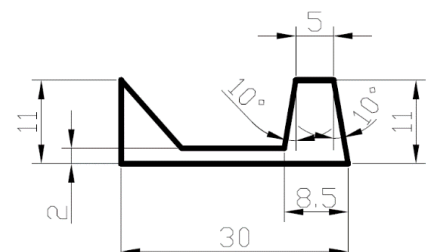
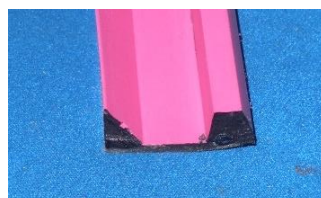
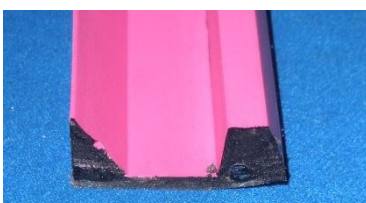
No.	Width mm	Bevel mm	Water nose mm	Thickn ess profile mm	Magneti c Tracks	Mat. Profil e	Adhesio n force per/m	Mat. Magnet	Lenget h max. mm	Price/ Metre €
540520	20	7x7	7x7	2	2	Pou	80	N42	2800	90
540525	25	10x10	10x10	3	2	Pou	80	N42	2800	90
540537	37	15x15	15x15	3	2	Pou	80	N42	2800	90
540530	30	15x15	15x15	3	2	Pou	80	N42	2800	90



No.	Width mm	Bevel mm	Thickn ess profile mm	Magnetic Tracks	Mat. Profile	Adhesion force per/m	Mat. Magnet	Length max. mm	Price/ Metre €
540555	30	15x15	3	2	Pou	80	N42	2800	90



No.	Width mm	Bevel mm	Thickn ess profile mm	Magnet	Mat. Profile	Adhesion force per/m	Mat. Magnet	Length max. mm	Price/ Metre €
540556	30	11	2	Rubber	Pou	80	N42	2800	90



BGW trapezoidal mouldings / BGW mock joint moulding / BGW grouting groove system for architectural concrete

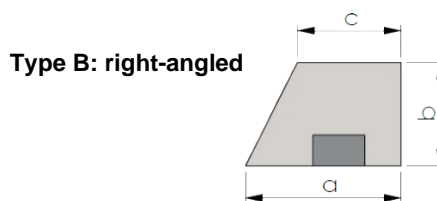
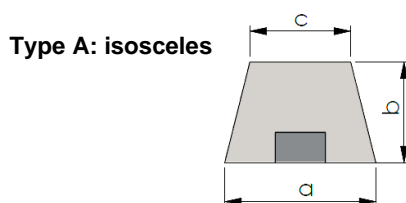
09/21_(09/21)

BGW trapezoidal skirting boards are available in steel (S) and polyurethane (K) materials .

Hint:

All corners are sharp-edged, so it is recommended to wear cut-resistant gloves when handling trapezoidal strips made of steel (S). Strong neodymium magnets are built into the stand side. There is a risk that if our trapezoidal strips are not used carelessly, due to the strong magnetic adhesive force, the magnetic strip will suddenly adhere to the steel or the strips to each other. If there are fingers in between, they could be squeezed.

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



The **BGW potting groove system HM12** is made of special polyurethane (K). A magnet system is moulded into most formwork.

Grouting grooves are often used for wall elements in prefabricated concrete construction. In contrast to timber construction, where the connection with tongue and groove is the rule, in concrete construction groove to groove is placed.

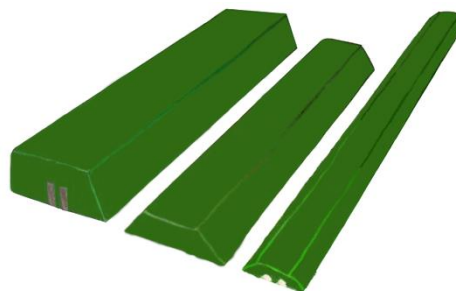
These grouting grooves are then poured with concrete when the walls are against each other in order to stabilize the structure against transverse shear forces.

To ensure that the formwork is light and low-distortion even with larger cross-sections, hollow bodies that make it lighter are cast into the polyurethane profile in addition to the magnet systems. With our production technology, we can produce flexible, rigid and rigid formwork profiles in almost any geometry, not only trapezoidal profiles, but also angled edge formwork. This polyurethane formwork can be cut at any point. The formwork made of our polyurethane remains dimensionally stable, even if it falls on the edges.



Advantages at a glance:

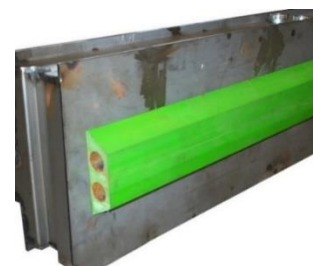
- Long usability
- magnetic underside, also multi-sided magnetic
- Plastic PU – does not swell
- smooth, low-adhesion surface
- very low weight
- Maintenance
- Easy to use
- Torsion-resistant – 100% straight
- space-saving storage



Indications for use:

It is advisable to spray new parts 2 times with release agent to prevent concrete from sticking. Then position the grouting groove profile at the desired location and set it in concrete. After demoulding the prefabricated part, re-forming, spraying the profile and formwork with release agent, etc.

It is essential to ensure that the shuttering systems are not placed on top of each other with the adhesive side. If this is the case, the systems must only be pushed apart laterally (do not pull them apart, otherwise the magnets will be torn out of the plastic)! In case of improper handling, we cannot give any guarantee!

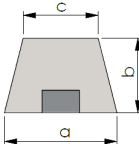


BGW trapezoidal mouldings / BGW mock joint moulding / BGW grouting groove system for architectural concrete

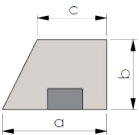
09/21^(09/21)

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

Art.-No.magnetic	Art.-No.non-magnetic	Type	a Mm	b Mm	c Mm	Adhesive force kg/m	Weight kg/m	Price€/m magnetic	unmagnetic
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	541151510K-A	A	15	10	10	12	0,150	61	
541151010K-B	541151510K-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		
541120243040K	542120243040K		120	2430	40	180	10,200		
541120263040K	542120263040K		120	2630	40	180	11,000		
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

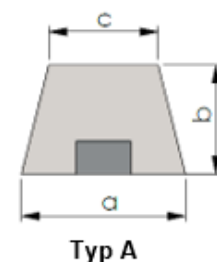
K = plastic /
polyurethane,
S = Steel

BGW trapezoidal strips / BGW Mock Joint Strip / BGW grouting groove system for architectural concrete

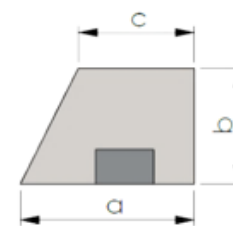
09/21^(09/21)

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

Art.-No.magnetic	Art.-No.non-magnetic	Type	a Mm	b Mm	c Mm	Adhesive force kg/m	Weight kg/m	Price €/m magnetic	Price €/m unmagnetic
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

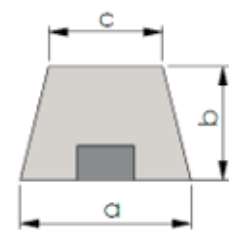
BGW trapezoidal strips / BGW Mock Joint Strip / BGW grouting groove system for architectural concrete

09/21^(09/21)

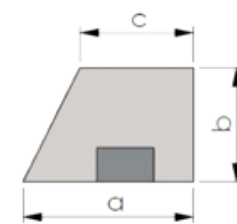
Trapezoidal strip made of steel (S), magnetic with a continuous neodymium magnetic track/non-magnetic

Art.-No.magnetic	Art.-No.non-magnetic	Type	amm	b mm	cmm	Adhesive force kg/m	Weight kg/m	Price €/m magnetic	Price €/m unmagnetic
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	54270155S-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		

K = plastic / polyurethane, S = steel



Typ A



Typ B

BGW Mock Joint Strips / Separating Joint Strips

05/22_(05/22)

Material: cast polyurethane, specially developed for this use in concrete plants

The magnets are already cast into this polyurethane during casting, so that they can be held securely on the steel formwork.

The adhesive force of the separating joint strips can be found in the table below.

Architectural mock joints and "predetermined breaking points" in the precast concrete elements also help to give the precast concrete element its own face, even in the case of one-piece large-scale precast concrete elements, such as walls.

The other purpose of the mock joint is that these large-scale precast concrete elements will break concealed in which false joints, without cracks being visible on the surface.

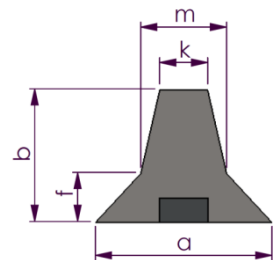
In the case of sandwich walls, the false joint must be passed through the facing shell to the thermal insulation.

For this purpose, there are the magnetic BGW mock joint strips. In addition to our standard profiles, special shapes are available on request. The maximum length of the slats is 3m. The false joint strip can be cut as desired.

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

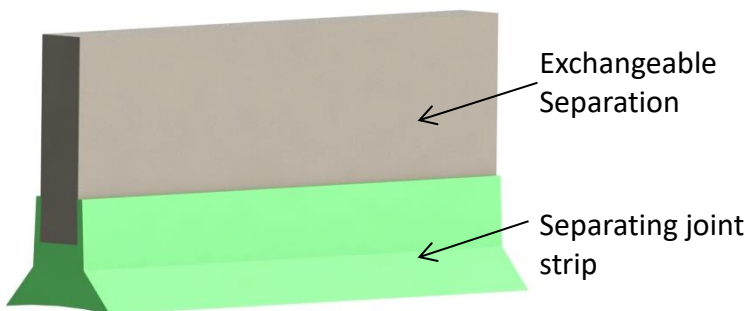
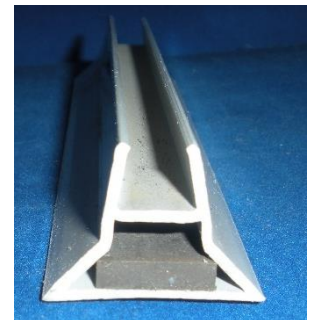
BGW Magnetic Mock Joint Strip

Art.-No.	a [mm]	b [mm]	f [mm]	m [mm]	k [mm]	Adhesive force	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



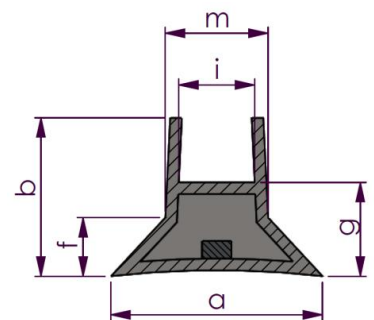
BGW separating joint strip magnetic

Art.-No.	a [mm]	w [mm]	f [mm]	m [mm]	i [mm]	g [mm]	Adhesive force [kg/m]	Weight kg/m	Price €/piece
5409-26/10/25	36	25	10	17,5	10	16	142	1,7	135
5409-27	36	27	10	17,5	13	16	142	1,7	155



BGW separating joint strip non-magnetic

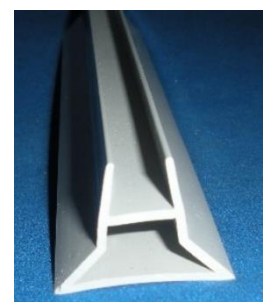
Art.-No.	a [mm]	w [mm]	f [mm]	m [mm]	i [mm]	g [mm]	Length [mm]	Weight kg/m	Price €/piece
5409-36/10/25	36	25	10	17,5	10	16	2500	0,145	6,50



This separating joint profile is made of PVC material.

The contact surface is curved so that only the edges of the 36mm wide profile sit on the formwork. The separating joint profile has a groove for inserting a 10mm wide separating part.

The separating joint profile is fixed to the formwork with glue or pins.



BGW Mock Joint

02/23_(01/23)

Material: cast polyurethane, specially developed for this use in concrete plants

The magnets are already cast into this polyurethane during casting, so that they can be held securely on the steel formwork.

The adhesive force of the separating joint strips can be found in the table below.

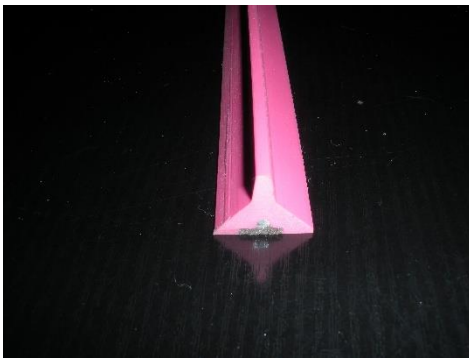
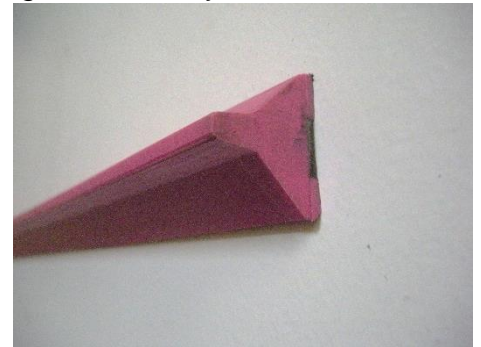
Architectural mock joints and "predetermined breaking points" in the precast concrete elements also help to give the precast concrete element its own face, even in the case of one-piece large-scale precast concrete elements, such as walls.

The other purpose of the mock joint is that these large-scale precast concrete elements will break concealed in which false joints, without cracks being visible on the surface.

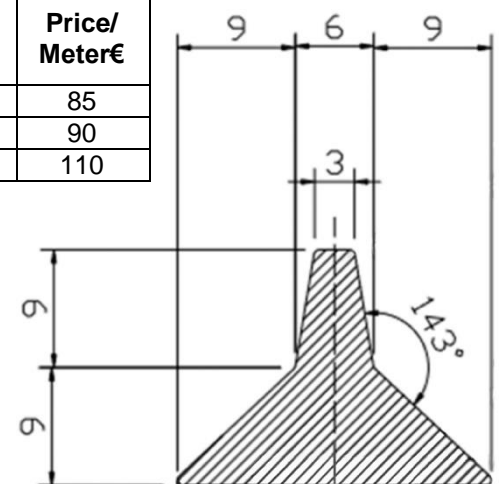
In the case of sandwich walls, the false joint must be passed through the facing shell to the thermal insulation.

For this purpose, there are the magnetic BGW mock joint strips. In addition to our standard profiles, special shapes are available on request. The maximum length of the slats is 3m. The false joint strip can be cut as desired.

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



No.	Width mm	Mat. Profile	Magnet track	Adhesive force kg	Mat. Magnet	Length max. 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

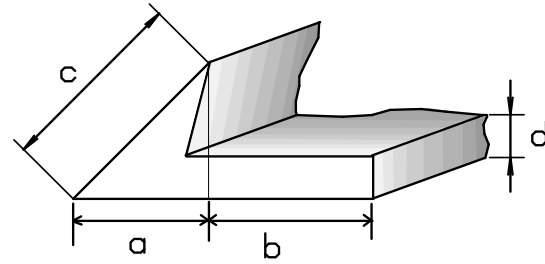


BGW triangular strips made of polyethylene in "pink"

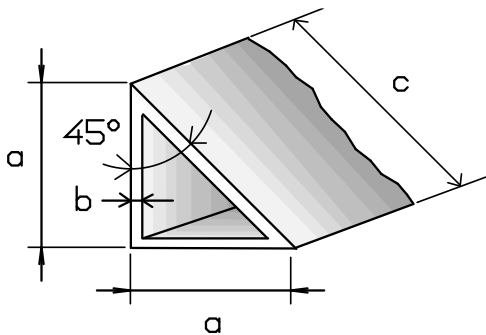
05/01 (05/19)

Triangular strips with nail flag made of reinforced Polyethylene, in contrast to already available Products:

- without heavy metals
 - halogen-free
 - easily together with formwork boards disposal or incineration plants. to be thermally recycled
 - Flexible and bendable
 - Highly impact-resistant even at low temperatures
 - with an air pressure nailer without tearing
- Quick and easy to nail



Art.-No.	Type a Mm	b Mm	c Mm	d Mm	Length Mm	VE Mtr.	Price €/mtr.
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



Triangular strip as described above, however **without nail flag**

Art.-No.	Type a Mm	b Mm	Length Mm	VE Mtr.	Price €/mtr.
5020	10	1,0	2500	500	1,15
5022	15	1,5	2500	500	1,30

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

When PVC (polyvinyl chloride) is burned, hydrogen chloride (HCl) is formed from the molecular building block chlorine, which converts with humidity to hydrochloric acid. In addition to the associated environmental impact, metallic materials suffer greatly accelerated corrosion due to hydrochloric acid. On the other hand, hydrochloric acid cannot form during the combustion of PE (polyethylene) because the polymer does not contain chlorine atoms.

With the Federal Immission Control Act (BImSchG) and the associated ordinances (BImSchV), the legislator has taken appropriate account of protection against environmental hazards, e.g. from air pollution.

The first ordinance for the implementation of the Federal Immission Control Act (1st BImSchV) is the Ordinance on Small Combustion Plants. Small combustion plants are, 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 in accordance with § 4 of the Federal Immission Control Act. However, the fuels permitted in small combustion plants are regulated in the 1st BImSchV (§ 3 (1)).

In principle, wood may only be used as fuel in small combustion plants if it is natural (§§5, 6). For the fuels referred to in Paragraph 3(1)(6) and (7), primarily consisting of wood, 'painted, varnished or coated wood ... and plywood, chipboard, fibreboard and glued wood, provided that no wood preservatives are applied or contained and coatings do not consist of organohalogen compounds', there is the possibility of thermal recycling (§ 6(2) 1st BImSchV).

In the above list, it is emphasized that coatings must not consist of organohalogen compounds. Halogens are e.g. fluorine, chlorine, bromine. *For example, PVC falls into the group of organohalogen compounds (poly-vinyl chloride), but not PE (poly-ethylene)*



BGW recess body, retaining washers (ASK) with marking for threaded anchors

09/17^(09/17)

BGW recess body with marking for always existing and legible marking of transport anchors in concrete.

The recess body is screwed onto the transport anchor by means of a centering screw, whereby the transport anchor is directed at right angles to the recess surface (around the attachment of the load handling device).

The formwork stop side of the plastic and metal versions are available smooth, for gluing, screwing or nailing through the threaded hole for wooden formwork, or magnetically for steel formwork. In accordance with the safety rules for transport anchors and systems of precast concrete elements of the Main Association of the Employers' Liability Insurance Association (section 4.3), the information on the anchor signed after the hardened concrete has been removed ensures optimal marking of the transport anchor with **manufacturer, anchor type, load-bearing capacity** and additional information such as direction of pull, angle of tension, indication of dynamic forces, etc.



With this intelligent and fast fastening option, it is easy to avoid high additional costs for marking parts as well as downtime at the construction site due to a lack of safety information on the transport anchors, electrical installations, sanitary installations, etc.

Note: Before first use, place the recess body in formwork oil, as it must be used several times and will be peeled off again. Do not nail the recess body, but attach it to the formwork with a centering screw

BGW recess body (ASK) with marking made of plastic

Art.-No.	Billion	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

Art.-No.	Billion	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

BGW recess body (ASK) with marking made of plastic - magnetic

Art.-No.	Billion	Ø	Height h mm	Price €/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,-

Sealing screw for centering screw stainless steel

Art.-No.	Billion	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 Cross Hole Sleeves (QLH) M and Rd Threads – Galvanized and V2A

08/21^(08/21)

Due **to their low intrinsic height and individual reinforcement options, the BGW transverse hole sleeves are suitable for transporting all types of precast concrete elements.**

For fixation on steel formwork, **BGW magnets type HM4** are recommended. To ensure the correct fit of the anchor when installed, it is necessary to use **BGW retaining discs** or **BGW recess bodies with marking**.

To prevent dirt and concrete from penetrating the thread of the sleeve, plastic sealing plugs or retaining washers are used.



Installation instructions:

https://bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf

For information:

The specifications of the metallic load capacity of **BGW transverse sockets** were checked for the first time on 24.01.1990 by test report M-No. B 1031/89 LGA Bavaria.

https://www.bgw-bohr.de/pdf/Querlochhuelse_LGA_Versuchsbericht.pdf

Tensile tests were carried out in accordance with DIN 50145 and there was no change in the sleeve due to the tensile load, which was 4 times the nominal load. This is still monitored today through tests in the company's own laboratory.

Transverse Hole Sleeves – Galvanized, Round Thread

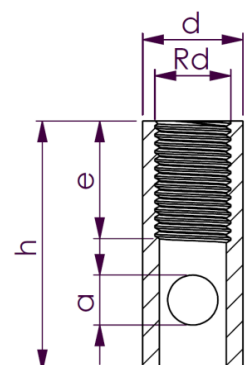
Art.-No.	Load-Level [t]	Thread Rd	Height h [mm]	Outside Ø d [mm]	Thread length e [mm]	Bore Ø a [mm]	P.-Unit Piece	Weight in kg	Price € Piece
0050	0,5	Rd12	40	16	22	8	500	0,028	0,99
0052	0,8	Rd14	48	18	25	10,5	250	0,043	1,19
0054	1,2	RD16	54	21	27	13	250	0,063	1,46
0056	1,6	Rd18	65	25	34	13	150	0,104	1,85
0058	2,0	Rd20	70	27	35	15,5	150	0,148	2,12
0060	2,5	RD24	80	32	43	18	100	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 – Galvanized, Metric Thread

Art.-No.	Load-Level [t]	Thread M	Height h [mm]	Outside Ø d [mm]	Thread length e [mm]	Bore Ø a [mm]	P.-Unit 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 – Stainless Steel V2A, Round Thread

Art.-No.	Load-Level [t]	Thread Rd	Height h [mm]	Outside Ø d [mm]	Length e [mm]	Bore Ø a [mm]	P.-Unit Piece	€ 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

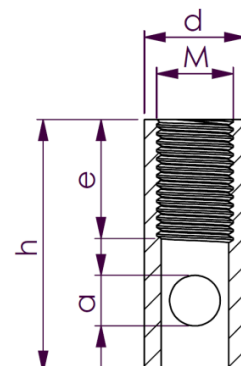


BGW Cross Hole Sleeves (QLH) M and Rd Threads – V2A and V4A

08/21_(08/21)

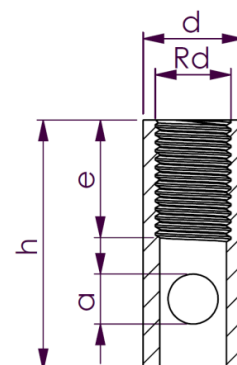
Cross Hole Sleeves – Stainless Steel V2A, Metric Thread

Art.-No.	Load-Level [t]	Thread M	Height h [mm]	Outside Ø d [mm]	Length e [mm]	Bore Ø a [mm]	P.-Unit 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	150	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



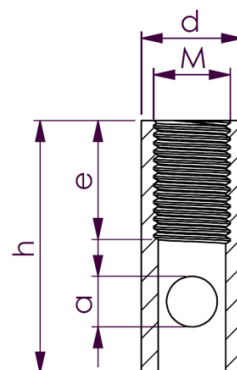
Cross Hole Sleeves – Stainless Steel V4A, Round Thread

Art.-No.	Load-Level [t]	Thread Rd	Height h [mm]	Outside Ø d [mm]	Length e [mm]	Bore Ø a [mm]	P.-Unit 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

Art.-No.	Load-Level [t]	Thread M	Height h [mm]	Outside Ø d [mm]	Length e [mm]	Bore Ø a [mm]	P.-Unit 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



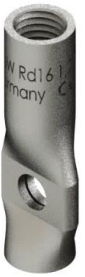
BGW Transport Anchor (TA) M and Rd Thread – Galvanized and V2A

07/18_(02/22)

Due to their low intrinsic height and individual reinforcement options, the BGW transport anchors are suitable for transporting all types of precast concrete elements.

For fixation on steel formwork, **BGW magnets type HM4** are recommended. To ensure the correct fit of the anchor when installed, it is necessary to use BGW **retaining discs** or BGW **recess bodies with marking**.

To prevent dirt and concrete from penetrating the thread of the sleeve, plastic sealing plugs or retaining washers are used.



Transport anchor – galvanized, round thread

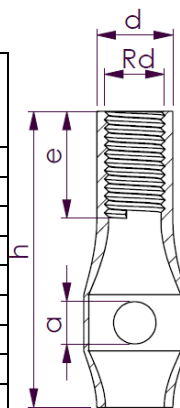
Art.-No.	Load-Level [t]	Thread Rd	Height h [mm]	Outside Ø d [mm]	Thread length e [mm]	Bore Ø a [mm]	P.-Unit Piece	Weight in kg	Price € Piece
0850	0,5	Rd12	60	16	22	10	500	0,046	1,19
0869	0,5	Rd12	80	16	22	10	500	0,068	1,27
0852	1,2	RD16	80	21	27	13	250	0,104	1,75
08521	1,2	RD16	100	21	27	13	250	0,140	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 Anchor – Galvanized, Metric Thread

Art.-No.	Load-Level [t]	Thread M	Height h [mm]	Outside Ø d [mm]	Thread length e [mm]	Bore Ø a [mm]	P.-Unit 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	500	0,068	1,27
0853	1,2	M16	80	21	27	13	250	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

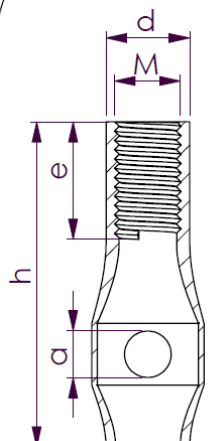
Transport anchor – stainless steel V2A, round thread

Art.-No.	Load-Level [t]	Thread Rd	Height h [mm]	Outside Ø d [mm]	Length e [mm]	Bore Ø a [mm]	P.-Unit 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 Anchor – V2A Stainless Steel, Metric Thread

Art.-No.	Load-Level [t]	Thread M	Height h [mm]	Outside Ød [mm]	Length e [mm]	Bore Ø a [mm]	P.-Unit 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

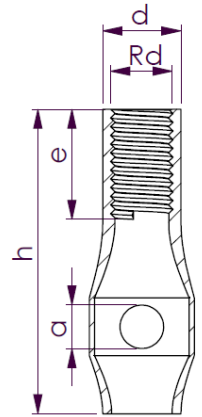


BGW Transport Anchors (TA) M and Rd threads – galvanized and V4A

07/18(02/22)

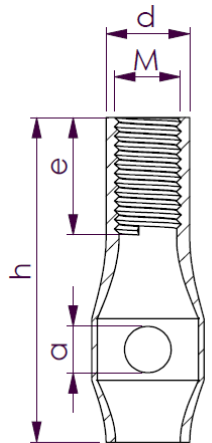
Transport anchor – stainless steel V4A, round thread

Art.-No.	Load-Level [t]	Thread Rd	Height h [mm]	Outside Ø d [mm]	Length e [mm]	Bore Ø a [mm]	P.-Unit 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 Anchor – V4A Stainless Steel, Metric Thread

Art.-No.	Load-Level [t]	Thread M	Height h [mm]	Outside Ø d [mm]	Length e [mm]	Bore Ø a [mm]	P.-Unit 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 Bar Anchor (STA) M and Rd Thread – Galvanized and V2A, V4A

04/22(02/17)

Threaded anchors can not only be very useful as transport anchors, but can also be used temporarily to fasten components, steel components such as supports, struts, signs, etc.

Due to their design, BGW bar anchors are particularly 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 galvanized or stainless steel sleeve. Before installing the bar anchor in the precast concrete element, the thread should be visually inspected and greased. Round threads are particularly recommended because they are insensitive to dirt and damage compared to other types of threads.

For fixation on steel formwork, **BGW magnets type HM4** are recommended.

To ensure the correct fit of the anchor when installed, it is necessary to use BGW **retaining discs** or BGW **recess bodies with marking**. To prevent dirt and concrete from penetrating the thread of the sleeve, **plastic sealing plugs or retaining washers** are used. The front side of the anchor rods is painted in colour to match the corresponding take-off rope loops.

The bar anchor lengths and rod diameters can be modified to suit your specific installation case, but it must be taken into account that the load level may change.

For information:

The information on the metallic load capacity was first verified on 27.06.1989 in the investigation report G3-MPW 33-now-kol by the Technical Inspection Association of Bavaria e.V. Monitoring in our own laboratory. On 07.02.1992

BGW bar anchors of Rd12 – Rd 52 were successfully tested for the first time in unreinforced concrete bodies by means of destructive testing under the most unfavourable installation conditions. You can read about the exams on www.BGW-Bohr.de.

Installation instructions:

https://bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf

Bar anchor – galvanized sleeve

M-thread		Rd Thread		Loading step t	D Mm	e Mm	c mm	Pkgg.-Unit Piece	Weight kg/piece	Price €/piece
d x h	Art.-No.	Type d x h	Art.-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	1	1,520	4,19
M30 x 900	0118M	Rd30 x 900	0118	4,0	38	56	20	1	2,598	5,01
M36 x 650	0120M	Rd36 x 650	0120	6,3	48	69	25	1	2,925	8,05
M36 x 900	0122M	Rd36 x 900	0122	6,3	48	69	25	1	3,800	9,33
M42 x 800	0124M	Rd42 x 800	0124	8,0	54	80	28	1	4,777	12,83
M52 x 900	0126M	Rd52 x 900	0126	12,5	70	90	32	1	7,222	28,33
M56 x 1200	0144M	Rd56 x 1200	0144	15,0	70	80	40	1	13,670	55,00
M60 x 1400	0145M	Rd60 x 1400	0145	20,0	76	85	40	1	16,300	65,00
M48 x 1260	0147M	Rd48 x 1260	0147	22,0	70	60	40	1	14,080	57,00

The threaded anchors can be ordered in stainless steel reinforcement (AIST 316) or



Bar anchor – sleeve in stainless steel V2A, V4A

M-thread			Rd Thread			Load-step t	D Mm	e Mm	c mm	PACK Piece	Ge-weight kg piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Art.-No. V2A	Art.-No. V4A	Type d x h	Art.-No. V2A	Art.-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	1	1,520	22,50	27,00
M30 x 900	0118ME	0118MEE	Rd30 x 900	0118E	0118EE	4,0	38	56	20	1	2,500	23,32	27,98
M36 x 650	0120ME	0120MEE	Rd36 x 650	0120E	0120EE	6,3	48	69	25	1	2,925	33,13	39,76
M36 x 900	0122ME	0122MEE	Rd36 x 900	0122E	0122EE	6,3	48	69	25	1	3,800	34,41	41,29
M42 x 800	0124ME	0124MEE	Rd42 x 800	0124E	0124EE	8,0	54	80	28	1	4,750	50,46	60,55
M52 x 900	0126ME	0126MEE	Rd52 x 900	0126E	0126EE	12,5	70	90	32	1	13,670	62,64	75,17
M56 x 1200	0144ME	0144MEE	Rd56 x 1200	0144E	0144EE	15,0	76	85	40	1	16,300		
M60 x 1400	0145ME	0145MEE	Rd60 x 1400	0145E	0145EE	20,0	70	60	40	1	14,080		
M48 x 1260	0147ME	0147MEE	Rd48 x 1260	0147E	0147EE	22,0	70	90	40	1	6,950		

BGW Bar Anchor (STA) sealed, M and Rd threads – galvanized and V2A,V4A

04/22 (11/21)

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

The low-viscosity sealant, an epoxy resin, is poured into the grease-free, cleaned thread of the threaded sleeve to a thickness of approx. 3 mm on the reinforcing bar, while the low-viscosity resin flows into every crack, into the pressing, between the threaded sleeve and the reinforcing bar. After this resin has hardened after a few hours, it is ensured that the rebar of the anchor

No more rust in the threaded part of the threaded transport anchor can be incorporated.



The illustration shows a sliced transport anchor with this seal.

Bar anchor sealed – sleeve galvanized

M-thread		Rd Thread		Load-step t	D Mm	e Mm	c mm	Pkgg.-Unit Piece	Weight kg piece	Price €/piece
Type d x h	Art.-No.	Type d x h	Art.-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	1,73
M18 x 300	0106MV	Rd18 x 300	0106V	1,6	25	34	12	50	0,370	2,16
M20 x 350	0108MV	Rd20 x 350	0108V	2,0	27	35	14	25	0,550	2,60
M24 x 400	0112MV	Rd24 x 400	0112V	2,5	31	43	16	25	0,830	3,31
M30 x 500	0116MV	Rd30 x 500	0116V	4,0	38	56	20	1	1,520	5,19
M30 x 900	0118MV	Rd30 x 900	0118V	4,0	38	56	20	1	2,500	6,01
M36 x 650	0120MV	Rd36 x 650	0120V	6,3	48	69	25	1	2,925	9,18
M36 x 900	0122MV	Rd36 x 900	0122V	6,3	48	69	25	1	3,800	10,46
M42 x 800	0124MV	Rd42 x 800	0124V	8,0	54	80	28	1	4,750	14,13
M52 x 900	0126MV	Rd52 x 900	0126V	12,5	70	90	32	1	6,950	29,83
M56 x 1200	0144MV	Rd56 x 1200	0144V	15,0	70	80	40	1	13,670	56,80
M60 x 1400	0145MV	Rd60 x 1400	0145V	20,0	76	85	40	1	16,300	66,83
M48 x 1260	0147MV	Rd48 x 1260	0147V	22,0	70	60	40	1	14,080	58,48

Bar anchor sealed – sleeve in stainless steel V2A, V4A

M-thread			Rd Thread			Load-step t	D Mm	e Mm	c mm	PACK Piece	Weights medical history Piece	Price € Piece V2A	Price € Piece V4A
Type d x h	Art.-No. V2A	Art.-No. V4A	Type d x h	Art.-No. V2A	Art.-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	4,90	5,76
M18 x 300	0106MEV	0106MEEV	Rd18 x 300	0106EV	0106EEV	1,6	25	34	12	50	0,370	7,25	8,61
M20 x 350	0108MEV	0108MEEV	Rd20 x 350	0108EV	0108EEV	2,0	27	35	14	25	0,550	8,63	10,26
M24 x 400	0112MEV	0112MEEV	Rd24 x 400	0112EV	0112EEV	2,5	31	43	16	25	0,830	10,47	12,46
M30 x 500	0116MEV	0116MEEV	Rd30 x 500	0116EV	0116EEV	4,0	38	56	20	1	1,520	23,50	28,00
M30 x 900	0118MEV	0118MEEV	Rd30 x 900	0118EV	0118EEV	4,0	38	56	20	1	2,500	24,32	28,98
M36 x 650	0120MEV	0120MEEV	Rd36 x 650	0120EV	0120EEV	6,3	48	69	25	1	2,925	34,26	40,89
M36 x 900	0122MEV	0122MEEV	Rd36 x 900	0122EV	0122EEV	6,3	48	69	25	1	3,800	35,54	42,42
M42 x 800	0124MEV	0124MEEV	Rd42 x 800	0124EV	0124EEV	8,0	54	80	28	1	4,750	51,76	61,85
M52 x 900	0126MEV	0126MEEV	Rd52 x 900	0126EV	0126EEV	12,5	70	90	32	1	6,950	64,14	76,67
M56 x 1200	0144MEV	0144MEEV	Rd56 x 1200	0144EV	0144EEV	15,0	70	80	40	1	13,670		
M60 x 1400	0145MEV	0145MEEV	Rd60 x 1400	0145EV	0145EEV	20,0	76	85	40	1	16,300		
M48 x 1260	0147MEV	0147MEEV	Rd48 x 1260	0147EV	0147EEV	22,0	70	60	40	1	14,080		



BGW Bar Anchor (STA) M and Rd Thread - Special Lengths

07/22 (07/22)

Threaded anchors can not only be very useful as transport anchors, but can also be used temporarily to fasten components, steel components such as supports, struts, signs, etc.

Due to their design, BGW bar anchors are particularly 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 galvanized or stainless steel sleeve. Before installing the bar anchor in the precast concrete element, the thread should be visually inspected and greased. Round threads are particularly recommended because they are insensitive to dirt and damage compared to other types of threads.

For fixation on steel formwork, **BGW magnets type HM4 are** recommended.

To ensure the correct fit of the anchor when installed, it is necessary to use **BGW retaining discs or BGW recess bodies with marking**. To prevent dirt and concrete from penetrating the thread of the sleeve, **plastic sealing plugs or retaining washers are** used. The front side of the anchor rods is painted in colour to match the corresponding take-off rope loops.

The bar anchor lengths and rod diameters can be modified to suit your specific installation case, but it must be taken into account that the load level may change.

For information:

The information on the metallic load capacity was first verified on 27.06.1989 in the investigation report G3-MPW 33-nov-kol by the Technical Inspection Association of Bavaria e.V. Monitoring in our own laboratory. On 07.02.1992 **BGW** bar anchors of Rd12 – Rd 52 were successfully tested for the first time

in unreinforced concrete bodies by means of destructive testing under the most unfavourable installation conditions. You can read about the exams on www.BGW-Bohr.de.

Installation instructions:

https://bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf

The threaded anchors can be ordered in stainless steel reinforcement (AIST 316) or fiberglass reinforcement.



Bar anchor – galvanized sleeve - special lengths

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

BGW Bar Anchor (STA) - Special Lengths

07/22 (07/22)

M-thread		Rd Thread		Loading step t	D Mm	e Mm	c Mm	Pkgg.-Unit Piece	Weight kg/piece
Type d x h	Art.-No.	Type d x h	Art.-No.						
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	1	0,510
M24 x 240	0112M-240	Rd24 x 240	0135	2,5	31	43	16	1	0,550
M24 x 300	0112M-300	Rd24 x 300	0112-300	2,5	31	43	16	1	0,633
M24 x 500	0112M-500	Rd24 x 500	0114	2,5	31	43	16	1	0,991
M24 x 540	0162-540	Rd24 x 540	0112-540	2,5	31	43	16	1	1,053
M24 x 600	0162	Rd24 x 600	0112-600	2,5	31	43	16	1	1,149
M24 x 665	0141	Rd24 x 665	0112-665	2,5	31	43	16	1	1,700
M24 x 700	0123	Rd24 x 700	0164/700	2,5	31	43	16	1	1,100
M24 x 720	0112M-720	Rd24 x 720	0112-720	2,5	31	43	16	1	1,294
M24 x 800	0112M-800	Rd24 x 800	0112-800	2,5	31	43	16	1	1,421
M24 x 900	0112M-900	Rd24 x 900	0164	2,5	31	43	16	1	1,623
M24 x 950	0112M-950	Rd24 x 950	0139	2,5	31	43	16	1	1,670
M24 x 1000	0160M	Rd24 x 1000	0112-1000	2,5	31	43	16	1	2,760
M24 x 1200	0162-1200	Rd24 x 1200	0112-1200	2,5	31	43	16	1	2,097
M24 x 1300	0112M-1300	Rd24 x 1300	0112-1300	2,5	31	43	16	1	2,213
M24 x 1400	0162-1400	Rd24 x 1400	0112-1400	2,5	31	43	16	1	2,413
M24 x 1800	0167	Rd24 x 1800	0112-1800	2,5	31	43	16	1	3,040
M24 x 1850	0112M-1850	Rd24 x 1850	0112-1850	2,5	31	43	16	1	3,082
M24 x 2500	0112M-2500	Rd24 x 2500	0112-2500	2,5	31	43	16	1	4,150
M30 x 380	0169-380	Rd30 x 380	0116-380	4,0	38	56	20	1	1,314
M30 x 400	0116M-400	Rd30 x 400	0115	4,0	38	56	20	1	1,363
M30 x 500	0116M-500	Rd30 x 500	0116	4,0	38	56	20	1	1,495
M30 x 540	0116M-540	Rd30 x 540	0116-540	4,0	38	56	20	1	1,578
M30 x 600	0119M	Rd30 x 600	0117	4,0	38	56	20	1	2,598
M30 x 700	0116M-700	Rd30 x 700	0179-700	4,0	38	56	20	1	1,989

BGW Bar Anchor (STA) - Special Lengths

07/22 (07/22)

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

BGW bar anchor cranked/ Sandwich panel anchors – M and Rd threads - galvanized, V2A, V4A for the transport of sandwich panels, etc.

04/22 (05/21)

Threaded anchors can not only be very useful as transport anchors, but can also be used temporarily to fasten components, steel components such as supports, struts, signs, etc.



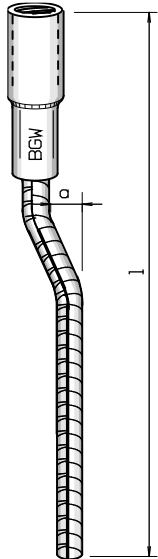
Due to their design, BGW offset bar anchors are particularly suitable for installation in sandwich panels or in components where the edge distances cannot otherwise be maintained. Examples: shaft structures and garages.

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 galvanized or stainless steel sleeve. Before installing the bar anchor in the precast concrete element, the thread should be visually inspected and greased. Round threads are particularly recommended because they are insensitive to dirt and damage compared to other types of threads.



For fixation on steel formwork, **BGW magnets type HM4** are recommended.

To ensure the correct fit of the anchor when installed, it is necessary to use **BGW retaining discs** or **BGW recess bodies with marking**.

To prevent dirt and concrete from penetrating the thread of the sleeve, **plastic sealing plugs** or **retaining washers** are used. The front side of the anchor rods is painted in colour to match the corresponding take-off rope loops.

The bar anchor lengths and rod diameters can be modified to suit your specific installation case, but it must be taken into account that the load level may change.

For information:

The information on the metallic load capacity was first verified on 27.06.1989 in the investigation report G3-MPW 33-now-kol by the Technical Inspection Association of Bavaria e.V. Monitoring in our own laboratory. On 07.02.1992 **BGW** bar anchors of Rd12 – Rd 52 were successfully tested for the first time in unreinforced concrete bodies by means of destructive testing under the most unfavourable installation conditions. You can read about the exams on www.BGW-Bohr.de.

Bar anchor offset – sleeve galvanized

M-thread		Rd Thread		Loading step t	Crank a Mm	D Mm	e Mm	c mm	Pkgg.-Unit Piece	Weight kg/piece	Price €/piece
d x h	Art.-No.	Type d x h	Art.-No.								
M20 x 350	0108Ma	Rd20 x 350	0108A	2,0	50	27	35	14	25	0,550	3,10
M24 x 400	0112Ma	Rd24 x 400	0112A	2,5	50	31	43	16	25	0,830	4,01
M30 x 500	0116Ma	Rd30 x 500	0116A	4,0	60	38	56	20	1	1,520	6,19
M30 x 900	0118Ma	Rd30 x 900	0118A	4,0	60	38	56	20	1	2,500	7,01
M36 x 650	0120Ma	Rd36 x 650	0120A	6,3	70	48	69	25	1	3,110	11,30
M36 x 900	0122Ma	Rd36 x 900	0122A	6,3	70	48	69	25	1	4,110	12,58
M42 x 800	0124Ma	Rd42 x 800	0124A	8,0	70	54	80	28	1	4,750	17,33
M52 x 900	0126Ma	Rd52 x 900	0126A	12,5	70	70	90	32	1	6,950	33,53
M56 x 1200	0144Ma	Rd56 x 1200	0144A	15,0	70	70	80	40	1	13,670	65,80
M60 x 1400	0145Ma	Rd60 x 1400	0145A	20,0	70	76	85	40	1	16,300	77,20
M48 x 1260	0147Ma	Rd48 x 1260	0147A	22,0	70	70	60	40	1	14,080	82,20

Einbaubeispiel:



Bar anchor offset – sleeve in stainless steel V2A, V4A

M-thread			Rd Thread			Load-step t	Crank a Mm	D Mm	e Mm	c mm	PAC K Piece	Weight kg Piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Art.-No. V2A	Art.-No. V4A	Type d x h	Art.-No. V2A	Art.-No. V4A									
M20 x 350	0108MEa	0108MEEa	Rd20 x 350	0108EA	0108EEa	2,0	50	27	35	14	25	0,55	10,04	12,05
M24 x 400	0112MEa	0112MEEa	Rd24 x 400	0112EA	0112EEa	2,5	50	31	43	16	25	0,83	12,29	14,74
M30 x 500	0116MEa	0116MEEa	Rd30 x 500	0116EA	0116EEa	4,0	60	38	56	20	1	1,52	26,95	32,34
M30 x 900	0118MEa	0118MEEa	Rd30 x 900	0118EA	0118EEa	4,0	60	38	56	20	1	2,50	27,85	33,42
M36 x 650	0120MEa	0120MEEa	Rd36 x 650	0120EA	0120EEa	6,3	70	48	69	25	1	3,11	40,00	48,00
M36 x 900	0122MEa	0122MEEa	Rd36 x 900	0122EA	0122EEa	6,3	70	48	69	25	1	4,11	41,43	49,71
M42 x 800	0124MEa	0124MEEa	Rd42 x 800	0124EA	0124EEa	8,0	70	54	80	28	1	4,75	60,46	72,55
M52 x 900	0126MEa	0126MEEa	Rd52 x 900	0126EA	0126EEa	12,5	70	70	90	32	1	6,95	74,62	89,55
M56 x 1200	0144MEa	0144MEEa	Rd56 x 1200	0144EA	0144EEa	15,0	70	70	80	40	1	13,67		
M60 x 1400	0145MEa	0145MEEa	Rd60 x 1400	0145EA	0145EEa	20,0	70	76	85	40	1	16,30		
M48 x 1260	0147MEa	0147MEEa	Rd48 x 1260	0147EA	0147EEa	22,0	70	70	60	40	1	14,08		

BGW bar anchor offset / sandwich panel anchor sealed – M and Rd thread galvanized, V2A, V4A

04/22,08

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

The low-viscosity sealant, an epoxy resin, is poured into the grease-free, cleaned thread of the threaded sleeve to a thickness of approx. 3 mm onto the reinforcing bar, while the low-viscosity resin flows into every crack, into the pressing, between the threaded sleeve and the

Reinforcement bar. After this resin has hardened after a few hours, it is ensured that no more rust can penetrate the threaded part of the threaded anchor from the rebar of the anchor. can be incorporated.



The illustration shows a sliced transport anchor with this seal.

Bar anchor offset sealed – sleeve galvanized

M-thread		Rd Thread		Load level t	Crank a Mm	D Mm	e Mm	c mm	Pkgg.- Unit Piece	Weight kg/piece	Price €/piece
d x h	Art.-No.	Type d x h	Art.-No.								
M20 x 350	0108MaV	Rd20 x 350	0108aV	2,0	50	27	35	14	25	0,550	3,60
M24 x 400	0112MaV	Rd24 x 400	0112aV	2,5	50	31	43	16	25	0,830	4,51
M30 x 500	0116MaV	Rd30 x 500	0116aV	4,0	60	38	56	20	1	1,520	7,19
M30 x 900	0118MaV	Rd30 x 900	0118aV	4,0	60	38	56	20	1	2,500	8,01
M36 x 650	0120MaV	Rd36 x 650	0120aV	6,3	70	48	69	25	1	3,110	12,43
M36 x 900	0122MaV	Rd36 x 900	0122aV	6,3	70	48	69	25	1	4,110	13,71
M42 x 800	0124MaV	Rd42 x 800	0124aV	8,0	70	54	80	28	1	4,750	18,63
M52 x 900	0126MaV	Rd52 x 900	0126aV	12,5	70	70	90	40	1	6,950	35,03
M56 x 1200	0144MaV	Rd56 x 1200	0144aV	15,0	70	70	80	40	1	13,670	67,60
M60 x 1400	0145MaV	Rd60 x 1400	0145aV	20,0	70	76	85	40	1	16,300	79,03
M48 x 1260	0147MaV	Rd48 x 1260	0147aV	22,0	70	70	60	40	1	14,080	83,68

Bar anchor offset sealed – sleeve in stainless steel V2A, V4A

M-thread			Rd Thread			Load-step t	Offset a Mm	D Mm	e Mm	c mm	PACK Piece	weight kg piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Art.-No. V2A	Art.-No. V4A	Type d x h	Art.-No. V2A	Art.-No. V4A									
M20 x 350	0108MEaV	0108MEEaV	Rd20 x 350	0108EaV	0108EEaV	2,0	50	27	35	14	25	0,550	10,54	12,55
M24 x 400	0112MEaV	0112MEEaV	Rd24 x 400	0112EaV	0112EEaV	2,5	50	31	43	16	25	0,830	12,79	15,24
M30 x 500	0116MEaV	0116MEEaV	Rd30 x 500	0116EaV	0116EEaV	4,0	60	38	56	20	1	1,520	27,95	32,34
M30 x 900	0118MEaV	0118MEEaV	Rd30 x 900	0118EaV	0118EEaV	4,0	60	38	56	20	1	2,500	28,85	34,42
M36 x 650	0120MEaV	0120MEEaV	Rd36 x 650	0120EaV	0120EEaV	6,3	70	48	69	25	1	3,110	41,13	49,13
M36 x 900	0122MEaV	0122MEEaV	Rd36 x 900	0122EaV	0122EEaV	6,3	70	48	69	25	1	4,110	42,56	50,84
M42 x 800	0124MEaV	0124MEEaV	Rd42 x 800	0124EaV	0124EEaV	8,0	70	54	80	28	1	4,750	61,76	73,85
M52 x 900	0126MEaV	0126MEEaV	Rd52 x 900	0126EaV	0126EEaV	12,5	70	70	90	40	1	6,950	76,12	91,05
M56 x 1200	0144MEaV	0144MEEaV	Rd56 x 1200	0144EaV	0144EEaV	15,0	70	70	80	40	1	13,670		
M60 x 1400	0145MEaV	0145MEEaV	Rd60 x 1400	0145EaV	0145EEaV	20,0	70	76	85	40	1	16,300		
M48 x 1260	0147MEaV	0147MEEaV	Rd48 x 1260	0147EaV	0147EEaV	22,0	70	70	60	40	1	14,080		

BGW Twin Shaft Anchor (DWL) M and Rd Thread – galvanized, V2A, V4A

04/22^(10/19)

Threaded anchors can not only be very useful as transport anchors, but can also be used temporarily to fasten components, steel components such as supports, struts, signs, etc. Same design as **BGW** bar anchor, but with corrugated reinforcing steel end. Due to their design, they are particularly suitable for slim precast concrete elements and for installation in thin walls. An Rd thread is cut into the galvanized or stainless steel sleeve, which should be greased before installation in the precast concrete element. For fixation on steel formwork, **BGW magnets type HM4** are recommended. To ensure the correct fit of the anchor when installed, it is necessary to use **BGW retaining discs** or **BGW recess bodies with marking**. In order to prevent dirt and concrete from penetrating into the thread of the sleeve, **sealing plugs made of plastic** or plastic are used. **retaining discs**. Anchor length and rod diameter can be changed to suit your specific installation case, but it must be taken into account that the load level may change. **For information:** The information of the metallic load capacity was first verified on 27.06.1989 in [the investigation report G3-MPW 33-nov-kol](#) by the Technical Inspection Association of Bavaria e.V. Monitoring in our own laboratory. By pulling out transport anchors from unreinforced concrete test specimens – test report M-No. 2920256 dated 26.02.1992 (by LGA Bayern). In the tests at that time, the most unfavourable anchors and the most unfavourable installation cases were chosen.

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

DWL - Double Shaft Anchor, Long Shape - Galvanized Sleeve

M-thread		Rd Thread		Loading step t	D Mm	e Mm	f Mm	g = min. c x 2.5	c mm	Pkgg.- Unit Piece	Weight kg/piece	Price €/piece
Type d x h	Art.-No.	Type d x h	Art.-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	1	1,390	4,24
M36 x 570	0214M	Rd36 x 570	0214	6,3	48	69	110	62	25	1	2,650	7,34
M42 x 620	0216M	Rd42 x 620	0216	8,0	54	80	140	70	28	1	3,750	11,40
M52 x 880	0273M	Rd52 x 880	0218	12,5	70	90	170	80	32	1	6,510	28,94
M56 x 1200	0273-1M	Rd56 x 1200	0273	15,0	70	80	170	90	40	1	13,670	55,00
M60 x 1400	0218-60M	Rd60 x 1400	0218-60	20,0	76	85	170	100	40	1	16,300	65,00
M48 x 1260	0218-1M	Rd48 x 1260	0218-1	22,0	70	60	140	100	40	1	14,080	57,00

DWL - Double Shaft Anchor, Long Shape - Sleeve Stainless Steel V2A, V4A

M-thread			Rd Thread			Load-step t	D Mm	e Mm	f Mm	g = min. c x 2.5	c mm	PACK Piece	Ge-weight kg piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Art.-No. V2A	Art.-No. V4A	Type d x h	Art.-No. V2A	Art.-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	1	1,390	22,55	27,06
M36 x 570	0214ME	0214MEE	Rd36 x 570	0214E	0214EE	6,3	48	69	110	62	25	1	2,650	32,42	38,90
M42 x 620	0216ME	0216MEE	Rd42 x 620	0216E	0216EE	8,0	54	80	140	70	28	1	3,750	49,03	58,84
M52 x 880	0218ME	0218MEE	Rd52 x 880	0218E	0218EE	12,5	70	90	170	80	32	1	6,510	63,25	75,90
M56 x 1200	0273ME	0273MEE	Rd56 x 1200	0273E	0273EE	15,0	70	80	170	90	40	1	13,670		
M60 x 1400	0218-60ME	0218-60MEE	Rd60 x 1400	0218-60E	0218-60EE	20,0	76	85	170	100	40	1	16,300		
M48 x 1260	0218-1ME	0218-1MEE	Rd48 x 1260	0218-1E	0218-1EE	22,0	70	60	140	100	40	1	14,080		



BGW Twin Shaft Anchor (DWK) M and Rd Thread – Galvanized, V2A, V4A

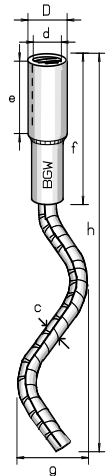
04/22_(10/19)

DWK - Double Shaft Anchor, Short Shape - Galvanized Sleeve

M-thread		Rd Thread		Loading step t	D Mm	e Mm	f Mm	g = min. c x 2.5	c mm	Pkgg.-Unit Piece	Weight kg/piece	Price €/piece
Type d x h	Art.-No.	Type d x h	Art.-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	1	0,950	3,99
M36 x 380	0264M	Rd36 x 380	0264	6,3	48	69	110	62	25	1	1,890	6,98
M42 x 450	0266M	Rd42 x 450	0266	8,0	54	80	140	70	28	1	2,800	10,89

DWK - Twin Shaft Anchor, Short Shape - Sleeve Stainless Steel V2A, V4A

M-thread			Rd Thread			Load-step t	D Mm	e Mm	f Mm	g = min. c x 2.5	c mm	PACK Piece	Ge-weight kg piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Art.-No. V2A	Art.-No. V4A	Type d x h	Art.-No. V2A	Art.-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	1	0,950	22,01	26,41
M36 x 380	0263ME	0263MEE	Rd36 x 380	0263E	0263EE	6,3	48	69	110	62	25	1	1,890	31,44	37,73
M42 x 450	0266ME	0266MEE	Rd42 x 450	0266E	0266EE	8,0	54	80	140	70	28	1	2,800	48,01	57,61



BGW Twin Shaft Anchor (DWL) Sealed, M and Rd Threads – Galvanized, V2A, V4A

04/22^(11/21)

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

The low-viscosity sealant, an epoxy resin, is poured into the grease-free, cleaned thread of the threaded sleeve to a thickness of approx. 3 mm on the reinforcing bar, while the low-viscosity resin flows into every crack, into the pressing, between the threaded sleeve and the reinforcing bar. After this resin has hardened after a few hours, it is ensured that the rebar of the anchor No more rust in the threaded part of the threaded transport anchor can be incorporated.

The illustration shows a sliced transport anchor with this seal.

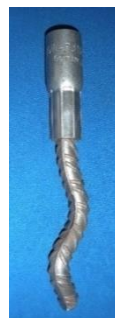
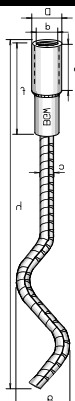


DWL - Twin Shaft Anchors, Long Shape Sealed – Galvanized Sleeve

M-thread		Rd Thread		Loading step t	D Mm	e Mm	f Mm	g = min. c x 2.5	c mm	Pkgg.- Unit Piece	Weight kg/piece	Price €/piece
Type d x h	Art.-No.	Type d x h	Art.-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	1	1,390	5,24
M36 x 570	0214MV	Rd36 x 570	0214V	6,3	48	69	110	62	25	1	2,650	8,47
M42 x 620	0216MV	Rd42 x 620	0216V	8,0	54	80	140	70	28	1	3,750	12,70
M52 x 880	0218MV	Rd52 x 880	0218V	12,5	70	90	170	80	32	1	6,510	30,44
M56 x 1200	0273MV	Rd56 x 1200	0273V	15,0	70	80	170	90	40	1	13,670	56,80
M60 x 1400	0218-60MV	Rd60 x 1400	0218-60V	20,0	76	85	170	100	40	1	16,300	66,83
M48 x 1260	0218-1MV	Rd48 x 1260	0218-1V	22,0	70	60	140	100	40	1	14,080	58,48

DWL - Twin Shaft Anchor, Long Shape Sealed - Sleeve Stainless Steel V2A, V4A

M-thread			Rd Thread			Load-step t	D Mm	e Mm	f Mm	g = min. c x 2.5	c mm	PACK Piece	Ge-weight kg piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Art.-No. V2A	Art.-No. V4A	Type d x h	Art.-No. V2A	Art.-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	4,93	5,80
M18 x 235	0223MEV	0223MEEV	Rd18 x 235	0223EV	0223EEV	1,6	24	34	65	25	12	50	0,290	7,20	8,55
M20 x 257	0209MEV	0209MEEV	Rd20 x 257	0209EV	0209EEV	2,0	27	35	70	35	14	50	0,420	8,60	10,22
M24 x 360	0210MEV	0210MEEV	Rd24 x 360	0210EV	0210EEV	2,5	32	43	80	40	16	25	0,700	10,14	12,07
M30 x 450	0231MEV	0231MEEV	Rd30 x 450	0231EV	0231EEV	4,0	38	56	101	50	20	1	1,390	23,55	28,06
M36 x 570	0214MEV	0214MEEV	Rd36 x 570	0214EV	0214EEV	6,3	48	69	110	62	25	1	2,650	33,55	40,03
M42 x 620	0216MEV	0216MEEV	Rd42 x 620	0216EV	0216EEV	8,0	54	80	140	70	28	1	3,750	50,33	60,14
M52 x 880	0218MEV	0218MEEV	Rd52 x 880	0218EV	0218EEV	12,5	70	90	170	80	32	1	6,510	64,73	77,38
M56 x 1200	0273MEV	0273MEEV	Rd56 x 1200	0273EV	0273EEV	15,0	70	80	170	90	40	1	13,670		
M60 x 1400	0218-60MEV	0218-60MEEV	Rd60 x 1400	0218-60EV	0218-60EEV	20,0	76	85	170	100	40	1	16,300		
M48 x 1260	0218-1MEV	0218-1MEEV	Rd48 x 1260	0218-1EV	0218-1EEV	22,0	70	60	140	100	40	1	14,080		



BGW Twin Shaft Anchor (DWK) Sealed, M and Rd Thread – Galvanized, V2A, V4A

04/22^(11/21)

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

The low-viscosity sealant, an epoxy resin, is poured into the grease-free, cleaned thread of the threaded sleeve to a thickness of approx. 3 mm on the reinforcing bar, while the low-viscosity resin flows into every crack, into the pressing, between the threaded sleeve and the reinforcing bar. After this resin has hardened after a few hours, it is ensured that the rebar of the anchor No more rust in the threaded part of the threaded transport anchor can be incorporated.



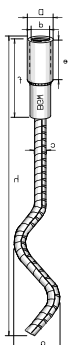
The illustration shows a sliced transport anchor with this seal.

DWK - Twin Shaft Anchor, Short Form Sealed - Galvanized Sleeve

M-thread		Rd Thread		Loading step t	D Mm	e Mm	f Mm	g = min. c x 2.5	c mm	Pkgg.-Unit Piece	Weight kg/piece	Price €/piece
Type d x h	Art.-No.	Type d x h	Art.-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	1,65
M18 x 175	0256MV	Rd18 x 175	0256V	1,6	24	34	65	30	12	100	0,230	2,09
M20 x 187	0258MV	Rd20 x 187	0258V	2,0	27	35	70	35	14	50	0,330	2,49
M24 x 240	0260MV	Rd24 x 240	0260V	2,5	32	43	80	40	16	25	0,520	2,85
M30 x 300	0262MV	Rd30 x 300	0262V	4,0	38	56	101	50	20	1	0,950	4,99
M36 x 380	0264MV	Rd36 x 380	0264V	6,3	48	69	110	62	25	1	1,890	8,11
M42 x 450	0266MV	Rd42 x 450	0266V	8,0	54	80	140	70	28	1	2,800	12,19

DWK - Twin Shaft Anchor, Short Form Sealed - Sleeve Stainless Steel V2A, V4A

M-thread			Rd Thread			Load-step t	D Mm	e Mm	f Mm	g = min. c x 2.5	c mm	PACK Piece	Ge-Weight kg piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Art.-No. V2A	Art.-No. V4A	Type d x h	Art.-No. V2A	Art.-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	4,77	5,61
M18 x 175	0255MEV	0255MEEV	Rd18 x 175	0255EV	0255EEV	1,6	24	34	65	30	12	100	0,230	7,20	8,55
M20 x 187	0257MEV	0257MEEV	Rd20 x 187	0257EV	0257EEV	2,0	27	35	70	35	14	50	0,330	8,58	10,20
M24 x 240	0260MEV	0260MEEV	Rd24 x 240	0260EV	0260EEV	2,5	32	43	80	40	16	25	0,520	9,81	11,67
M30 x 300	0261MEV	0261MEEV	Rd30 x 300	0261EV	0261EEV	4,0	38	56	101	50	20	1	0,950	23,01	27,41
M36 x 380	0263MEV	0263MEEV	Rd36 x 380	0263EV	0263EEV	6,3	48	69	110	62	25	1	1,890	32,57	38,86
M42 x 450	0266MEV	0266MEEV	Rd42 x 450	0266EV	0266EEV	8,0	54	80	140	70	28	1	2,800	49,31	58,91



BGW Twin Shaft Anchors (DW) M and Rd Threads - Special Lengths

07/22^(10/19)

Threaded anchors can not only be very useful as transport anchors, but can also be used temporarily to fasten components, steel components such as supports, struts, signs, etc. Same design as **BGW** bar anchor, but with corrugated reinforcing steel end. Due to their design, they are particularly suitable for slim precast concrete elements and for installation in thin walls. An Rd thread is cut into the galvanized or stainless steel sleeve, which should be greased before installation in the precast concrete element. For fastening to steel formwork, **BGW magnets type HM 4** are recommended. To ensure the correct fit of the anchor when installed, it is necessary to use **BGW retaining discs** or **BGW recess bodies with marking**. In order to prevent dirt and concrete from penetrating into the thread of the sleeve, **sealing plugs made of plastic** or plastic are used. **retaining discs**. Anchor length and rod diameter can be changed to suit your specific installation case, but it must be taken into account that the load level may change. **For information:** The information of the metallic load capacity was first verified on 27.06.1989 in the **investigation report** G3-MPW 33-now-kol by the Technical Inspection Association of Bavaria e.V. Monitoring in our own laboratory. By pulling out transport anchors from unreinforced concrete test specimens – test report M-No. 2920256 dated 26.02.1992 (by LGA Bayern). In the tests at that time, the most unfavourable anchors and the most unfavourable installation cases were chosen.

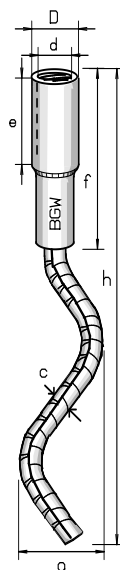
Installation instructions: https://bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf

M-thread		Rd Thread		Load level t	D Mm	e Mm	f Mm	g = min. c x 2.5	c mm	Pkgg.- Unit Piece	Weight kg/piece
Type d x h	Art.-No.	Type d x h	Art.-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	Phone 0291-300/10M	12x300	0291-300/10	0,5	16	22	40	20	8	250	0,244
12x350	Phone 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	Phone 0284-1250M	20x1250	0284-1250	2,0	27	35	70	35	14	50	1,633
20x2250	Phone 0284-2250M	20x2250	0284-2250	2,0	27	35	70	35	14	50	2,843
20x2570	Phone 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	Phone 0228-2257LM	24x2257	0228-2257L	2,5	32	43	80	40	16	25	3,050

BGW Twin Shaft Anchors DW Special Lengths

07/22^(10/19)

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



BGW Shaft Anchor (WL)/Waveform Pfeifer - M and Rd Thread - Galvanized, V2A, V4A

04/23^(04/23)

Threaded anchors can not only be very useful as transport anchors, but can also be used temporarily to fasten components, steel components such as supports, struts, signs, etc. Same design as **BGW** bar anchor, but with corrugated reinforcing steel end. Due to their design, they are particularly suitable for slim precast concrete elements and for installation in thin walls. An Rd thread is cut into the galvanized or stainless steel sleeve, which should be greased before installation in the precast concrete element. For fixation on steel formwork, **BGW magnets type HM4** are recommended. To ensure the correct fit of the anchor when installed, it is necessary to use BGW **retaining discs** or BGW **recess bodies with marking**. In order to prevent dirt and concrete from penetrating into the thread of the sleeve, **sealing plugs made of plastic** or plastic are used. **retaining discs**. Anchor length and rod diameter can be changed to suit your specific installation case, but it must be taken into account that the load level may change. **For information:** The information of the metallic load capacity was first verified on 27.06.1989 in **the investigation report** G3-MPW 33-now-kol by the Technical Inspection Association of Bavaria e.V. Monitoring in our own laboratory. By pulling out transport anchors from unreinforced concrete test specimens – test report M-No. 2920256 dated 26.02.1992 (by LGA Bayern). In the tests at that time, the most unfavourable anchors and the most unfavourable installation cases were chosen.

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

WL - Shaft Anchor, Long Shape - Galvanized Sleeve

M-thread		Rd Thread		Loading step t	D Mm	e Mm	f Mm	c mm	Pkgg.- Unit Piece	Weight kg/piece	Price €/piece
Type d x h	Art.-No.	Type d x h	Art.-No.								
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	1	1,390	4,24
M36 x 570	0214MP	Rd36 x 570	0214P	6,3	48	69	110	25	1	2,650	7,34
M42 x 620	0216MP	Rd42 x 620	0216P	8,0	54	80	140	28	1	3,750	11,40
M52 x 880	0273MP	Rd52 x 880	0218P	12,5	70	90	170	32	1	6,510	28,94
M56 x 1200	0273-1MP	Rd56 x 1200	0273P	15,0	70	80	170	40	1	13,670	55,00
M60 x 1400	0218-60MP	Rd60 x 1400	0218-60P	20,0	76	85	170	40	1	16,300	65,00
M48 x 1260	0218-1MP	Rd48 x 1260	0218-1P	22,0	70	60	140	40	1	14,080	57,00

WL - Shaft Anchor, Long Shape - Sleeve Stainless Steel V2A, V4A

M-thread			Rd Thread			Load-step t	D Mm	e Mm	f Mm	c mm	PAC K Piece	Ge-weight kg piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Art.-No. V2A	Art.-No. V4A	Type d x h	Art.-No. V2A	Art.-No. 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	1	1,390	22,55	27,06
M36 x 570	0214MEP	0214MEEP	Rd36 x 570	0214EP	0214EEP	6,3	48	69	110	25	1	2,650	32,42	38,90
M42 x 620	0216MEP	0216MEEP	Rd42 x 620	0216EP	0216EEP	8,0	54	80	140	28	1	3,750	49,03	58,84
M52 x 880	0218MEP	0218MEEP	Rd52 x 880	0218EP	0218EEP	12,5	70	90	170	32	1	6,510	63,25	75,90
M56 x 1200	0273MEP	0273MEEP	Rd56 x 1200	0273EP	0273EEP	15,0	70	80	170	40	1	13,670		
M60 x 1400	0218-60MEP	0218-60MEEP	Rd60 x 1400	0218-60EP	0218-60EEP	20,0	76	85	170	40	1	16,300		
M48 x 1260	0218-1MEP	0218-1MEEP	Rd48 x 1260	0218-1EP	0218-1EEP	22,0	70	60	140	40	1	14,080		



BGW Shaft Anchor (WK)/Waveform Pfeifer - M and Rd Thread - Galvanized, V2A, V4A

04/23^(04/23)

WK - Shaft Anchor, Short Shape - Galvanized Sleeve

M-thread		Rd Thread		Loading step t	D Mm	e Mm	f Mm	c mm	Pkgg.- Unit Piece	Weight kg/piece	Price €/piece
Type d x h	Art.-No.	Type d x h	Art.- 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	10	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	1	0,950	3,99
M36 x 380	0264MP	Rd36 x 380	0264P	6,3	48	69	110	25	1	1,890	6,98
M42 x 450	0266MP	Rd42 x 450	0266P	8,0	54	80	140	28	1	2,800	10,89

WK - Shaft anchor, short shape - Sleeve stainless steel V2A, V4A

M-thread			Rd Thread			Loa d- step t	D M m	e M m	f M m	c m m	PAC K Pie ce	Ge- weig ht kg piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Art.-No. V2A	Art.-No. V4A	Type d x h	Art.-No. V2A	Art.-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	1	0,950	22,01	26,41
M36 x 380	0263MEP	0263MEEP	Rd36 x 380	0263EP	0263EEP	6,3	48	69	110	25	1	1,890	31,44	37,73
M42 x 450	0266MEP	0266MEEP	Rd42 x 450	0266EP	0266EEP	8,0	54	80	140	28	1	2,800	48,01	57,61



BGW Shaft Anchor (WL)/Waveform Piper, Sealed, M and Rd Threads – Galvanized, V2A, V4A

04/23^(04/23)

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

The low-viscosity sealant, an epoxy resin, is poured into the grease-free, cleaned thread of the threaded sleeve to a thickness of approx. 3 mm on the reinforcing bar, while the low-viscosity resin flows into every crack, into the pressing, between the threaded sleeve and the reinforcing bar. After this resin has hardened after a few hours, it is ensured that the rebar of the anchor No more rust in the threaded part of the threaded transport anchor can be incorporated.



The illustration shows a sliced transport anchor with this seal.

WL - Shaft Anchor, Long Shape Sealed – Galvanized Sleeve

M-thread		Rd Thread		Loading step t	D Mm	e Mm	f Mm	c mm	Pkgg.- Unit Piece	Weight kg/piece	Price €/piece
Type d x h	Art.-No.	Type d x h	Art.-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	1,76
M18 x 235	0206MVP	Rd18 x 235	0206VP	1,6	24	34	65	12	50	0,290	2,11
M20 x 257	0208MVP	Rd20 x 257	0208VP	2,0	27	35	70	14	50	0,420	2,57
M24 x 360	0210MVP	Rd24 x 360	0210VP	2,5	32	43	80	16	25	0,700	2,98
M30 x 450	0212MVP	Rd30 x 450	0212VP	4,0	38	56	101	20	1	1,390	5,24
M36 x 570	0214MVP	Rd36 x 570	0214VP	6,3	48	69	110	25	1	2,650	8,47
M42 x 620	0216MVP	Rd42 x 620	0216VP	8,0	54	80	140	28	1	3,750	12,70
M52 x 880	0218MVP	Rd52 x 880	0218VP	12,5	70	90	170	32	1	6,510	30,44
M56 x 1200	0273MVP	Rd56 x 1200	0273VP	15,0	70	80	170	40	1	13,670	56,80
M60 x 1400	0218-60MVP	Rd60 x 1400	0218-60VP	20,0	76	85	170	40	1	16,300	66,83
M48 x 1260	0218-1MVP	Rd48 x 1260	0218-1VP	22,0	70	60	140	40	1	14,080	58,48

WL - Shaft anchor, long shape sealed - Sleeve stainless steel V2A, V4A

M-thread			Rd Thread			Load-step t	D Mm	e Mm	f Mm	c mm	PACK Piece	Ge-weight kg piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Art.-No. V2A	Art.-No. V4A	Type d x h	Art.-No. V2A	Art.-No. V4A									
M12 x 137	0238MEVP	0238MEEVP	Rd12 x 137	0238EPP	0238EEVP	0,5	16	22	40	8	250	0,080	3,26	3,78
M14 x 170	0202MEVP	0202MEEVP	Rd14 x 170	0202EPP	0202EEVP	0,8	20	25	48	10	150	0,140	3,85	4,49
M16 x 216	0204MEVP	0204MEEVP	Rd16 x 216	0204EPP	0204EEVP	1,2	21,5	27	58	10	100	0,190	4,93	5,80
M18 x 235	0223MEVP	0223MEEVP	Rd18 x 235	0223EPP	0223EEVP	1,6	24	34	65	12	50	0,290	7,20	8,55
M20 x 257	0209MEVP	0209MEEVP	Rd20 x 257	0209EPP	0209EEVP	2,0	27	35	70	14	50	0,420	8,60	10,22
M24 x 360	0210MEVP	0210MEEVP	Rd24 x 360	0210EPP	0210EEVP	2,5	32	43	80	16	25	0,700	10,14	12,07
M30 x 450	0231MEVP	0231MEEVP	Rd30 x 450	0231EPP	0231EEVP	4,0	38	56	101	20	1	1,390	23,55	28,06
M36 x 570	0214MEVP	0214MEEVP	Rd36 x 570	0214EPP	0214EEVP	6,3	48	69	110	25	1	2,650	33,55	40,03
M42 x 620	0216MEVP	0216MEEVP	Rd42 x 620	0216EPP	0216EEVP	8,0	54	80	140	28	1	3,750	50,33	60,14
M52 x 880	0218MEVP	0218MEEVP	Rd52 x 880	0218EPP	0218EEVP	12,5	70	90	170	32	1	6,510	64,73	77,38
M56 x 1200	0273MEVP	0273MEEVP	Rd56 x 1200	0273EPP	0273EEVP	15,0	70	80	170	40	1	13,670		
M60 x 1400	0218-60MEVP	0218-60MEEVP	Rd60 x 1400	0218-60EPP	0218-60EEVP	20,0	76	85	170	40	1	16,300		
M48 x 1260	0218-1MEVP	0218-1MEEVP	Rd48 x 1260	0218-1EPP	0218-1EEVP	22,0	70	60	140	40	1	14,080		



BGW Shaft Anchor (WK)/Waveform Piper, Sealed, M and Rd Thread - Galvanized, V2A, V4A

04/23^(04/23)

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

The low-viscosity sealant, an epoxy resin, is poured into the grease-free, cleaned thread of the threaded sleeve to a thickness of approx. 3 mm on the reinforcing bar, while the low-viscosity resin flows into every crack, into the pressing, between the threaded sleeve and the reinforcing bar. After this resin has hardened after a few hours, it is ensured that the rebar of the anchor No more rust in the threaded part of the threaded transport anchor can be incorporated.



The illustration shows a sliced transport anchor with this seal.

DWK - Shaft Anchor, Short Form Sealed - Galvanized Sleeve

M-thread		Rd Thread		Loading step t	D Mm	e Mm	f Mm	c mm	Pkgg.- Unit Piece	Weight kg/piece	Price €/piece
Type d x h	Art.-No.	Type d x h	Art.-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	1,65
M18 x 175	0256MVP	Rd18 x 175	0256VP	1,6	24	34	65	12	100	0,230	2,09
M20 x 187	0258MVP	Rd20 x 187	0258VP	2,0	27	35	70	14	50	0,330	2,49
M24 x 240	0260MVP	Rd24 x 240	0260VP	2,5	32	43	80	16	25	0,520	2,85
M30 x 300	0262MVP	Rd30 x 300	0262VP	4,0	38	56	101	20	1	0,950	4,99
M36 x 380	0264MVP	Rd36 x 380	0264VP	6,3	48	69	110	25	1	1,890	8,11
M42 x 450	0266MVP	Rd42 x 450	0266VP	8,0	54	80	140	28	1	2,800	12,19

WK - Shaft anchor, short shape sealed - Sleeve stainless steel V2A, V4A

M-thread			Rd Thread			Load-step t	D Mm	e Mm	f Mm	c mm	PACK Piece	Ge-Weight kg piece	Price €/piece V2A	Price €/piece V4A
Type d x h	Art.-No. V2A	Art.-No. V4A	Type d x h	Art.-No. V2A	Art.-No. V4A									
M12 x 108	0250MEVP	0250MEEVP	Rd12 x 108	0250EPP	0250EEVP	0,5	16	22	40	8	250	0,070	3,23	3,75
M14 x 130	0207MEVP	0207MEEVP	Rd14 x 130	0207EPP	0207EEVP	0,8	20	25	48	10	150	0,110	3,85	4,49
M16 x 167	0254MEVP	0254MEEVP	Rd16 x 167	0254EPP	0254EEVP	1,2	21,5	27	58	10	100	0,160	4,77	5,61
M18 x 175	0255MEVP	0255MEEVP	Rd18 x 175	0255EVP	0255EEVP	1,6	24	34	65	12	100	0,230	7,20	8,55
M20 x 187	0257MEVP	0257MEEVP	Rd20 x 187	0257EPP	0257EEVP	2,0	27	35	70	14	50	0,330	8,58	10,20
M24 x 240	0260MEVP	0260MEEVP	Rd24 x 240	0260EPP	0260EEVP	2,5	32	43	80	16	25	0,520	9,81	11,67
M30 x 300	0261MEVP	0261MEEVP	Rd30 x 300	0261EVP	0261EEVP	4,0	38	56	101	20	1	0,950	23,01	27,41
M36 x 380	0263MEVP	0263MEEVP	Rd36 x 380	0263EVP	0263EEVP	6,3	48	69	110	25	1	1,890	32,57	38,86
M42 x 450	0266MEVP	0266MEEVP	Rd42 x 450	0266EPP	0266EEVP	8,0	54	80	140	28	1	2,800	49,31	58,91



BGW Elbow Anchor (WA) Rd Thread – Galvanized, V2A, V4A

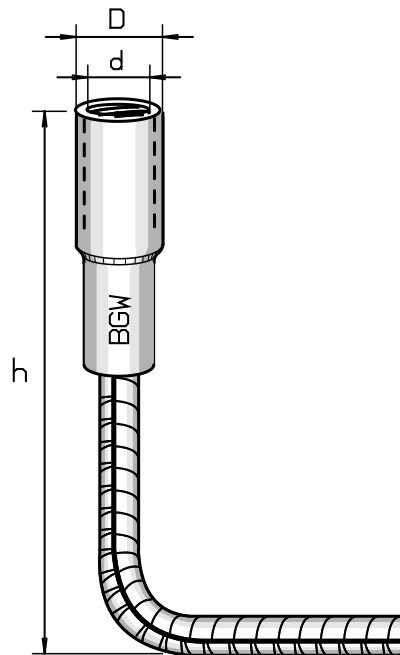
04/22_(04/22)

The **BGW angle anchor** is characterized by its low self-sufficient height, especially for installation in flat parts suitable.

For fixation to steel formwork, **BGW magnetic holders type HM4** recommended. To ensure the correct fit of the anchor when installed, must be ensured by **BGW retaining washers** or **BGW recess body with marking** be used.

To prevent the ingress of dirt and concrete into the thread of the sleeve to prevent **sealing plugs made of plastic** or **retaining discs**.

The anchor lengths and rod diameters can be on request for your specific installation case be amended, but it should be noted that the that the load level may change.



In order for the transport anchor to be assigned to the manufacturer, the anchor type and the load group, it must be marked. You can do this with the recess body, the data ring, or the data clip.

Angle Anchor – Galvanized Sleeve

Art.-No.	Loading step t	Type d x h	D Mm	Thigh length Mm	Verp.Einh. 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	

Angle anchor – sleeve with stainless steel V2A

Art.-No.	Loading step t	Type d x h	D Mm	Thigh length Mm	Verp.Einh. 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	

Angle Anchor Sleeve with Stainless Steel V4A AISI 316

Art.-No.	Loading step t	Type d x h	D Mm	Thigh length Mm	Verp.Einh. 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 Angle Anchor (WA) Sealed Rd Thread – Galvanized, V2A, V4A

04/22_(04/22)

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

The low-viscosity sealant, an epoxy resin, is poured into the grease-free, cleaned thread of the threaded sleeve to a thickness of approx. 3 mm on the reinforcing bar, while the low-viscosity resin flows into every crack, into the pressing, between the threaded sleeve and the reinforcing bar. After this resin has hardened after a few hours, it is ensured that the rebar of the anchor No more rust in the threaded part of the threaded transport anchor can be incorporated.



The illustration shows a sliced transport anchor with this seal.

Angle anchor sealed – sleeve galvanized

Art.-No.	Loading step t	Type d x h	D Mm	Thigh length Mm	Verp.Einh. 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	

Angle anchor sealed – sleeve with stainless steel V2A

Art.-No.	Loading step t	Type d x h	D Mm	Thigh length Mm	Verp.Einh. 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	

Angle anchor sealed – sleeve stainless steel V4A AISI 316

Art.-No.	Loading step t	Type d x h	D Mm	Thigh length Mm	Verp.Einh. 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 Ribbed Foot Anchor (XRF) M and Rd Thread – Galvanized

03/22(06/14)

Threaded anchors can not only be very useful as transport anchors, but can also be used temporarily to fasten components, steel components such as supports, struts, signs, etc.

Due to their design, BGW ribbed foot anchors, similar to BGW bar anchors, but with a forged base, are particularly suitable for slender precast concrete elements and for installation in thin walls, such as garages, transformer stations, shaft rings, etc. The sleeve is galv. galvanized and Rd-threaded. For fixation on steel formwork, **BGW magnets type HM4** are recommended. To ensure the correct fit of the anchor when installed, it is necessary to use BGW **retaining discs** or BGW **recess bodies with marking**. To prevent concrete and dirt from entering the thread, **plastic sealing plugs** or **retaining washers** are used.

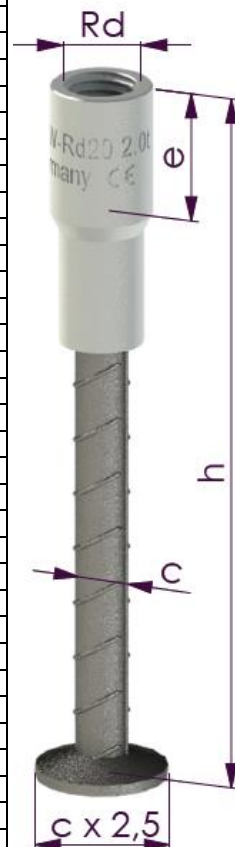
A round thread (Rd) is cut into the galvanized or stainless steel sleeve. Before installing the bar anchor in the precast concrete element, the thread should be visually inspected and greased. Round threads are particularly recommended because they are insensitive to dirt and damage compared to other types of threads.

Anchor and rod length can be modified to suit your specific installation case, but it should be noted that the load level may change.

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

BGW ribbed foot anchor – galvanized sleeve

M-thread		Rd Thread		Loading step t	Thread depth e [mm]	Rod Ø c [mm]	Height h [mm]	Pkgg.-Unit Piece	Weight [kg]	Price €/piece
M	Art.-No.	Rd	Art.-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	100	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	1	0,750	3,94
30	0448M	30	0448	4,0	56	20	125	1	0,550	4,29
30	0449M	30	0449	4,0	56	20	150	1	0,600	4,40
30	0450M	30	0450	4,0	56	20	270	1	0,910	4,82
30	0452M	30	0452	4,0	56	20	390	1	1,210	5,76
30	0454M	30	0454	4,0	56	20	510	1	1,500	6,66
36	0455M	36	0455	6,3	69	25	230	1	1,240	8,60
36	0456M	36	0456	6,3	69	25	330	1	1,840	9,93
36	0457M	36	0457	6,3	69	25	440	1	2,300	11,01
36	0458M	36	0458	6,3	69	25	490	1	2,460	11,87
36	0460M	36	0460	6,3	69	25	640	1	3,030	13,74
42	0462M	42	0462	8,0	80	28	450	1	3,110	15,85
42	0464M	42	0464	8,0	80	28	590	1	3,790	16,87
42	0466M	42	0466	8,0	80	28	770	1	4,670	19,43
52	0468M	52	0468	12,5	90	32	730	1	4,910	25,82
52	0470M	52	0470	12,5	90	32	960	1	6,030	32,72



BGW Ribbed Foot Anchors (XRF) M and Rd Threads – V2A and V4A

03/22^(06/14)

BGW ribbed foot anchor – sleeve with stainless steel V2A, V4A

M	M-thread		Rd Thread			Load - step t	Thread Depth e [mm]	Rod Ø c [mm]	Height h [mm]	Pkgg.- Unit Piece	Ge-Weight [kg]	Price €/piece V2A	Price €/piece V4A
	Art.-No. V2A	Art.-No. V4A	Rd	Art.-No. V2A	Art.-No. V4A								
12	0400ME	0400MEE	12	0400E	0400EE	0,5	22	8	70	500	0,040	2,58	3,10
12	0402ME	0402MEE	12	0402E	0402EE	0,5	22	8	100	400	0,050	2,61	3,13
12	0404-1ME	0404MEE	12	0404E	0404EE	0,5	22	8	136	200	0,070	2,62	3,14
12	0406ME	0406MEE	12	0406E	0406EE	0,5	22	8	174	200	0,080	2,65	3,18
12	0405ME	0405MEE	12	0405E	0405EE	0,5	22	8	250	150	0,110	2,71	3,25
12	0407ME	0407MEE	12	0407E	0407EE	0,5	22	8	295	100	0,130	2,74	3,29
14	0408ME	0408MEE	14	0408E	0408EE	0,8	25	10	70	250	0,100	3,24	3,89
14	0409ME	0409MEE	14	0409E	0409EE	0,8	25	10	105	100	0,120	3,25	3,90
14	0410ME	0410MEE	14	0410E	0410EE	0,8	25	10	135	100	0,140	3,27	3,92
14	0412ME	0412MEE	14	0412E	0412EE	0,8	25	10	167	100	0,180	3,30	3,96
14	0414ME	0414MEE	14	0414E	0414EE	0,8	25	10	220	100	0,190	3,34	4,01
16	0416ME	0416MEE	16	0416E	0416EE	1,2	27	10	70	100	0,100	4,27	5,12
16	0413ME	0413MEE	16	0413E	0413EE	1,2	27	10	115	200	0,120	4,29	5,15
16	0471ME	0471MEE	16	0419E	0419EE	1,2	27	10	130	150	0,140	4,30	5,16
16	0419ME	0419MEE	16	0471E	0471EE	1,2	27	10	140	150	0,140	4,31	5,17
16	0418ME	0418MEE	16	0418E	0418EE	1,2	27	10	150	100	0,150	4,32	5,18
16	0420ME	0420MEE	16	0420E	0420EE	1,2	27	10	195	100	0,180	4,35	5,22
16	0422ME	0422MEE	16	0422E	0422EE	1,2	27	10	260	100	0,220	4,45	5,34
18	0424ME	0424MEE	18	0424E	0424EE	1,6	34	10	85	50	0,180	6,42	7,70
18	0423ME	0423MEE	18	0423E	0423EE	1,6	34	12	150	50	0,260	6,51	7,81
18	0426ME	0426MEE	18	0426E	0426EE	1,6	34	12	170	50	0,280	6,55	7,86
18	0428ME	0428MEE	18	0428E	0428EE	1,6	34	12	205	50	0,320	6,57	7,88
18	0430ME	0430MEE	18	0430E	0430EE	1,6	34	12	275	50	0,410	6,73	8,08
20	0432ME	0432MEE	20	0432E	0432EE	2,0	35	12	90	50	0,220	7,67	9,20
20	0437ME	0437MEE	20	0437E	0437EE	2,0	35	14	170	50	0,320	7,85	9,42
20	0439ME	0439MEE	20	0439E	0439EE	2,0	35	14	180	50	0,330	7,88	9,46
20	0434ME	0434MEE	20	0434E	0434EE	2,0	35	14	190	50	0,340	7,90	9,48
20	0436ME	0436MEE	20	0436E	0436EE	2,0	35	14	235	50	0,400	7,97	9,56
20	0438ME	0438MEE	20	0438E	0438EE	2,0	35	14	300	50	0,480	8,25	9,90
24	0440ME	0440MEE	24	0440E	0440EE	2,5	43	14	105	25	0,320	9,46	11,35
24	0441ME	0441MEE	24	0441E	0441EE	2,5	43	16	115	50	0,340	9,48	11,38
24	0442-1ME	0442MEE	24	0442E	0442EE	2,5	43	16	210	50	0,490	9,61	11,53
24	0444ME	0444MEE	24	0444E	0444EE	2,5	43	16	260	25	0,560	9,72	11,66
24	0445ME	0445MEE	24	0445E	0445EE	2,5	43	16	275	25	0,580	9,80	11,76
24	0446ME	0446MEE	24	0446E	0446EE	2,5	43	16	335	25	0,680	10,13	12,16
24	0447ME	0447MEE	24	0447E	0447EE	2,5	43	16	380	25	0,750	10,24	12,29
30	0448ME	0448MEE	30	0448E	0448EE	4,0	56	16	125	1	0,550	22,60	27,12
30	0449ME	0449MEE	30	0449E	0449EE	4,0	56	20	150	1	0,600	22,71	27,25
30	0450ME	0450MEE	30	0450E	0450EE	4,0	56	20	270	1	0,910	22,86	27,43
30	0452ME	0452MEE	30	0452E	0452EE	4,0	56	20	390	1	1,210	23,01	27,61
30	0454ME	0454MEE	30	0454E	0454EE	4,0	56	20	510	1	1,500	23,17	27,80
36	0455ME	0455MEE	36	0455E	0455EE	6,3	69	20	230	1	1,240	32,96	39,55
36	0456ME	0456MEE	36	0456E	0456EE	6,3	69	25	330	1	1,840	33,47	40,16
36	0457ME	0457MEE	36	0457E	0457EE	6,3	69	25	440	1	2,300	34,07	40,88
36	0458ME	0458MEE	36	0458E	0458EE	6,3	69	25	490	1	2,460	34,28	41,14
36	0460ME	0460MEE	36	0460E	0460EE	6,3	69	25	640	1	3,030	35,00	42,00
42	0462ME	0462MEE	42	0462E	0462EE	8,0	80	25	450	1	3,110	53,48	64,18
42	0464ME	0464MEE	42	0464E	0464EE	8,0	80	28	590	1	3,790	54,50	65,40
42	0466ME	0466MEE	42	0466E	0466EE	8,0	80	28	770	1	4,670	57,06	68,47
52	0468ME	0468MEE	52	0468E	0468EE	12,5	90	28	730	1	4,910	60,13	72,16
52	0470ME	0470MEE	52	0470E	0470EE	12,5	90	32	960	1	6,030	67,03	80,44



BGW finned foot anchors (XRF) sealed, M and Rd threaded galvanized

03/22^(11/21)

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

The low-viscosity sealant, an epoxy resin, is poured into the grease-free, cleaned thread of the threaded sleeve to a thickness of approx. 3 mm on the reinforcing bar, while the low-viscosity resin flows into every crack, into the pressing, between the threaded sleeve and the reinforcing bar. After this resin has hardened after a few hours, it is ensured that the rebar of the anchor

No more rust in the threaded part of the threaded transport anchor can be incorporated.



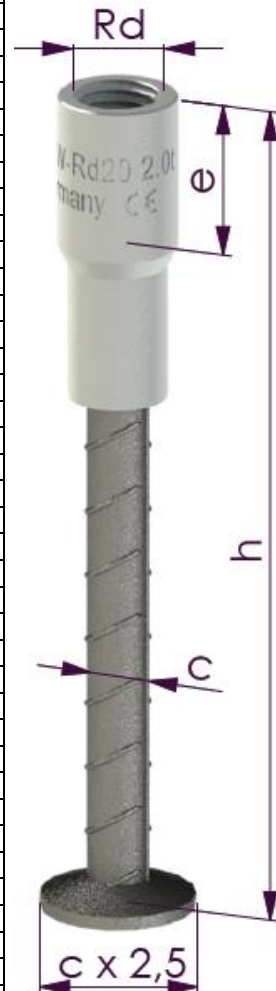
The illustration shows a sliced transport anchor with this seal.

Installation instructions:

https://bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf

BGW ribbed foot anchor sealed – sleeve galvanized

M-thread		Rd Thread		Loading step t	Thread depth e [mm]	Rod Ø c [mm]	Height h [mm]	Pkgg.-Unit Piece	Weight [kg]	Price €/piece
M	Art.-No.	Rd	Art.-No.							
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	1,85
14	0410MV	14	0410V	0,8	25	10	135	100	0,140	1,94
14	0413MV	14	0413V	0,8	25	10	155	100	0,180	2,03
14	0412MV	14	0412V	0,8	25	10	167	100	0,180	2,07
14	0414MV	14	0414V	0,8	25	10	220	100	0,190	2,66
16	0416MV	16	0416V	1,2	27	10	70	200	0,100	1,91
16	0413-1MV	16	0413-1V	1,2	27	10	115	150	0,120	2,00
16	0419MV	16	0419V	1,2	27	10	130	150	0,140	2,10
16	0471MV	16	0471V	1,2	27	10	140	100	0,140	2,13
16	0418MV	16	0418V	1,2	27	10	150	100	0,150	2,15
16	0420MV	16	0420V	1,2	27	10	195	100	0,180	2,24
16	0422MV	16	0422V	1,2	27	10	260	50	0,220	2,40
18	0424MV	18	0424V	1,6	34	12	85	50	0,180	2,24
18	0423MV	18	0423V	1,6	34	12	150	50	0,260	2,51
18	0426MV	18	0426V	1,6	34	12	170	50	0,280	2,57
18	0428MV	18	0428V	1,6	34	12	205	50	0,320	2,69
18	0430MV	18	0430V	1,6	34	12	275	50	0,410	2,96
20	0432MV	20	0432V	2,0	35	14	90	100	0,220	2,60
20	0437MV	20	0437V	2,0	35	14	170	50	0,320	2,90
20	0439MV	20	0439V	2,0	35	14	180	50	0,330	2,93
20	0434MV	20	0434V	2,0	35	14	190	50	0,340	2,98
20	0436MV	20	0436V	2,0	35	14	235	50	0,400	3,14
20	0438MV	20	0438V	2,0	35	14	300	25	0,480	3,41
24	0440MV	24	0440V	2,5	43	16	105	50	0,320	2,93
24	0441MV	24	0441V	2,5	43	16	115	50	0,340	2,99
24	0442MV	24	0442V	2,5	43	16	210	25	0,490	3,50
24	0444MV	24	0444V	2,5	43	16	260	25	0,560	3,77
24	0445MV	24	0445V	2,5	43	16	275	25	0,580	3,80
24	0446MV	24	0446V	2,5	43	16	335	25	0,680	4,20
24	0447MV	24	0447V	2,5	43	16	380	1	0,750	4,44
30	0448MV	30	0448V	4,0	56	20	125	1	0,550	5,29
30	0449MV	30	0449V	4,0	56	20	150	1	0,600	5,40
30	0450MV	30	0450V	4,0	56	20	270	1	0,910	5,82
30	0452MV	30	0452V	4,0	56	20	390	1	1,210	6,76
30	0454MV	30	0454V	4,0	56	20	510	1	1,500	7,66
36	0455MV	36	0455V	6,3	69	25	230	1	1,240	9,73
36	0456MV	36	0456V	6,3	69	25	330	1	1,840	11,06
36	0457MV	36	0457V	6,3	69	25	440	1	2,300	12,14
36	0458MV	36	0458V	6,3	69	25	490	1	2,460	13,00
36	0460MV	36	0460V	6,3	69	25	640	1	3,030	14,87
42	0462MV	42	0462V	8,0	80	28	450	1	3,110	17,15
42	0464MV	42	0464V	8,0	80	28	590	1	3,790	18,17
42	0466MV	42	0466V	8,0	80	28	770	1	4,670	20,73
52	0468MV	52	0468V	12,5	90	32	730	1	4,910	27,32
52	0470MV	52	0470V	12,5	90	32	960	1	6,030	34,22



BGW Ribbed Foot Anchor (XRF) Sealed M and Rd Threads – V2A, V4A

03/22(11/21)

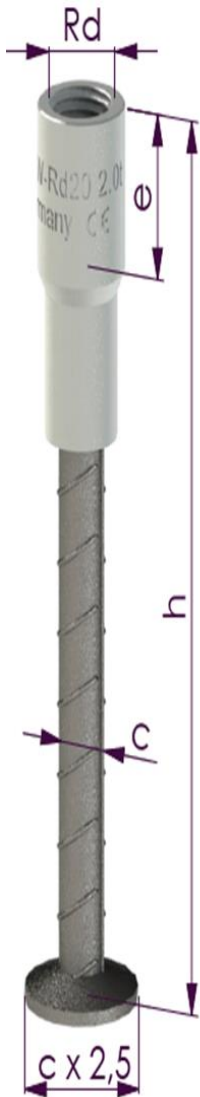
"Sealing" is a seal that has been installed between the threaded anchor reinforcement and the threaded part of the transport anchor. This "sealing" ensures that no rust can flow from the reinforcement bar of the anchor into the threaded part of the threaded transport anchor. The low-viscosity sealant, an epoxy resin, is poured into the grease-free, cleaned thread of the threaded sleeve to a thickness of approx. 3 mm on the reinforcing bar, while the low-viscosity resin flows into every crack, into the pressing, between the threaded sleeve and the reinforcing bar. After this resin has hardened after a few hours, it is ensured that the rebar of the anchor



The illustration shows a sliced transport anchor with this seal.

No more rust in the threaded part of the threaded transport anchor can be incorporated.
Installation instructions: https://bgw-bohr.de/pdf/Einbauanleitung_QLH_DWL_DKW_SARFA.pdf
BGW ribbed foot anchor sealed – sleeve with stainless steel V2A, V4A

M-thread			Rd Thread			Load-step t	Thread depth e [mm]	Rod Ø c [mm]	Height h [mm]	Pkgg.-Unit Piece	Weight [kg]	Price €/piece V2A	Price €/piece V4A
M	Art.-No. V2A	Art.-No. V4A	Rd	Art.-No. V2A	Art.-No. V4A								
12	0400MEV	0400MEEV	12	0400EV	0400EEV	0,5	22	8	70	500	0,040	2,58	3,10
12	0402MEV	0402MEEV	12	0402EV	0402EEV	0,5	22	8	100	400	0,050	2,61	3,13
12	0404MEV	0404MEEV	12	0404EV	0404EEV	0,5	22	8	136	200	0,070	2,62	3,14
12	0406MEV	0406MEEV	12	0406EV	0406EEV	0,5	22	8	174	200	0,080	2,65	3,18
12	0405MEV	0405MEEV	12	0405EV	0405EEV	0,5	22	8	250	150	0,110	2,71	3,25
12	0407MEV	0407MEEV	12	0407EV	0407EEV	0,5	22	8	295	100	0,130	2,74	3,29
14	0408MEV	0408MEEV	14	0408EV	0408EEV	0,8	25	10	70	250	0,100	3,24	3,89
14	0409MEV	0409MEEV	14	0409EV	0409EEV	0,8	25	10	105	100	0,120	3,25	3,90
14	0410MEV	0410MEEV	14	0410EV	0410EEV	0,8	25	10	135	100	0,140	3,27	3,92
14	0412MEV	0412MEEV	14	0412EV	0412EEV	0,8	25	10	167	100	0,180	3,30	3,96
14	0414MEV	0414MEEV	14	0414EV	0414EEV	0,8	25	10	220	100	0,190	3,34	4,01
16	0416MEV	0416MEEV	16	0416EV	0416EEV	1,2	27	10	70	100	0,100	4,27	5,12
16	0413MEV	0413MEEV	16	0413EV	0413EEV	1,2	27	10	115	200	0,120	4,29	5,15
16	0419MEV	0419MEEV	16	0419EV	0419EEV	1,2	27	10	130	150	0,140	4,30	5,16
16	0471MEV	0471MEEV	16	0471EV	0471EEV	1,2	27	10	140	150	0,140	4,31	5,17
16	0418MEV	0418MEEV	16	0418EV	0418EEV	1,2	27	10	150	100	0,150	4,32	5,18
16	0420MEV	0420MEEV	16	0420EV	0420EEV	1,2	27	10	195	100	0,180	4,35	5,22
16	0422MEV	0422MEEV	16	0422EV	0422EEV	1,2	27	10	260	100	0,220	4,45	5,34
18	0424MEV	0424MEEV	18	0424EV	0424EEV	1,6	34	10	85	50	0,180	6,42	7,70
18	0423MEV	0423MEEV	18	0423EV	0423EEV	1,6	34	12	150	50	0,260	6,51	7,81
18	0426MEV	0426MEEV	18	0426EV	0426EEV	1,6	34	12	170	50	0,280	6,55	7,86
18	0428MEV	0428MEEV	18	0428EV	0428EEV	1,6	34	12	205	50	0,320	6,57	7,88
18	0430MEV	0430MEEV	18	0430EV	0430EEV	1,6	34	12	275	50	0,410	6,73	8,08
20	0432MEV	0432MEEV	20	0432EV	0432EEV	2,0	35	12	90	50	0,220	7,67	9,20
20	0437MEV	0437MEEV	20	0437EV	0437EEV	2,0	35	14	170	100	0,320	7,85	9,42
20	0439MEV	0439MEEV	20	0439EV	0439EEV	2,0	35	14	180	50	0,330	7,88	9,46
20	0434MEV	0434MEEV	20	0434EV	0434EEV	2,0	35	14	190	50	0,340	7,90	9,48
20	0436MEV	0436MEEV	20	0436EV	0436EEV	2,0	35	14	235	50	0,400	7,97	9,56
20	0438MEV	0438MEEV	20	0438EV	0438EEV	2,0	35	14	300	50	0,480	8,25	9,90
24	0440MEV	0440MEEV	24	0440EV	0440EEV	2,5	43	14	105	25	0,320	9,46	11,35
24	0441MEV	0441MEEV	24	0441EV	0441EEV	2,5	43	16	115	50	0,340	9,48	11,38
24	0442MEV	0442MEEV	24	0442EV	0442EEV	2,5	43	16	210	50	0,490	9,61	11,53
24	0444MEV	0444MEEV	24	0444EV	0444EEV	2,5	43	16	260	25	0,560	9,72	11,66
24	0445MEV	0445MEEV	24	0445EV	0445EEV	2,5	43	16	275	25	0,580	9,80	11,76
24	0446MEV	0446MEEV	24	0446EV	0446EEV	2,5	43	16	335	25	0,680	10,13	12,16
24	0447MEV	0447MEEV	24	0447EV	0447EEV	2,5	43	16	380	25	0,750	10,24	12,29
30	0448MEV	0448MEEV	30	0448EV	0448EEV	4,0	56	16	125	1	0,550	22,60	27,12
30	0449MEV	0449MEEV	30	0449EV	0449EEV	4,0	56	20	150	1	0,600	22,71	27,25
30	0450MEV	0450MEEV	30	0450EV	0450EEV	4,0	56	20	270	1	0,910	22,86	27,43
30	0452MEV	0452MEEV	30	0452EV	0452EEV	4,0	56	20	390	1	1,210	23,01	27,61
30	0454MEV	0454MEEV	30	0454EV	0454EEV	4,0	56	20	510	1	1,500	23,17	27,80
36	0455MEV	0455MEEV	36	0455EV	0455EEV	6,3	69	20	230	1	1,240	32,96	39,55
36	0456MEV	0456MEEV	36	0456EV	0456EEV	6,3	69	25	330	1	1,840	33,47	40,16
36	0457MEV	0457MEEV	36	0457EV	0457EEV	6,3	69	25	440	1	2,300	34,07	40,88
36	0458MEV	0458MEEV	36	0458EV	0458EEV	6,3	69	25	490	1	2,460	34,28	41,14
36	0460MEV	0460MEEV	36	0460EV	0460EEV	6,3	69	25	640	1	3,030	35,00	42,00
42	0462MEV	0462MEEV	42	0462EV	0462EEV	8,0	80	25	450	1	3,110	53,48	64,18
42	0464MEV	0464MEEV	42	0464EV	0464EEV	8,0	80	28	590	1	3,790	54,50	65,40
42	0466MEV	0466MEEV	42	0466EV	0466EEV	8,0	80	28	770	1	4,670	57,06	68,47
52	0468MEV	0468MEEV	52	0468EV	0468EEV	12,5	90	28	730	1	4,910	60,13	72,16
52	0470MEV	0470MEEV	52	0470EV	0470EEV	12,5	90	32	960	1	6,030	67,03	80,44



BGW Extension for Threaded Transport Anchors

07/22 (05/22)

for extending BGW threaded transport anchors, e.g. when they have to be guided through the ceiling of transformer stations or other structures. The length will be adjusted as needed. A thread is cut from both sides of the threaded sleeve, into which the desired threaded rod with the required complete length of the extension is pressed.

Art.-No.	Load-step t	Thread Rd	Length	P.-Unit Piece	Weight medical history	Price €/piece
00824		24				
00830		30				
00836		36				
00842		42				
00848		48				
00852		52				
00856		56				
00860		60				



BGW screw-in sleeve for threaded transport anchors

06/22 (06/22)

BGW screw-in socket for screwing in and reducing the internal threads of threaded transport anchors. In order to reduce the internal thread of large transport anchors when they are no longer needed, screw-in sleeves can be used for this purpose. 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.

Art.-No.	One-Screw depth	P.-Unit Piece	Weight medical history	Price €/piece
0081				



of 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

06/12^(11/18)

BGW segment anchor – ribbed foot - loaded, sleeve galvanized

Due to its design, BGW segment anchors are particularly suitable for slim precast concrete elements and for installation in thin walls, such as garages, transformer stations and shaft rings. Same design as BGW ribbed foot anchors, but with a thicker concrete ribbed steel and a thicker sleeve. This means that the segment anchor can absorb twice the load with almost the same dimensions as the ribbed foot anchor.

BGW segment anchor is part of a transport system and consists of:

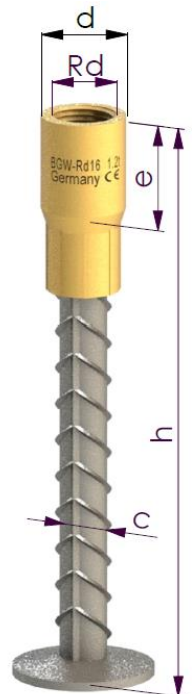
- BGW Segment Anchor
- BGW Segment Anchor Lifter
- BGW Retaining Disc with Adhesive Manget Type HM4-D
- BGW Sealing Plug

For fixation on steel formwork, BGW magnetic holders type HM4-D are recommended. Due to its geometry, the BGW segment anchor lifter rests on the flanks of the recess. This relieves the load on the threaded pin during inclined pull and enables greater transport safety.

Attention: only a lifting device with an appropriate load capacity may be used!

BGW segment anchor – galvanized sleeve

Art.-No.	Loading step t	Thread Rd	Thread depth e [mm]	Height h (mm)	Ø BST c (mm)	Ø Sleeve D (mm)	Verp.Einh. Piece	Weight medical history	Price €/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	125	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 bar anchors increased

BGW Segment Bar Anchor – Galvanized Sleeve

Art.-No.	Loading step t	Thread Rd	Thread depth e [mm]	Height h (mm)	Ø BST mm c (mm)	Ø Sleeve D (mm)	Verp.Einh. Piece	Weight medical history	Price €/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	1	0,877	5,90
0100-15	5	Rd24 x 3	30	540	20	35	1	1,584	7,95
0100-20	7,5	Rd30 x 3.5	36	700	25	42,4	1	3,047	13,85
0100-25	10	Rd36 x 4	50	800	28	48	1	4,403	25,65
0100-30	12,5	Rd42 x 4.5	60	920	32	54	1	6,572	39,35
0100-35	15	Rd52 x 5	78	1100	34	70	1	9,871	49,50

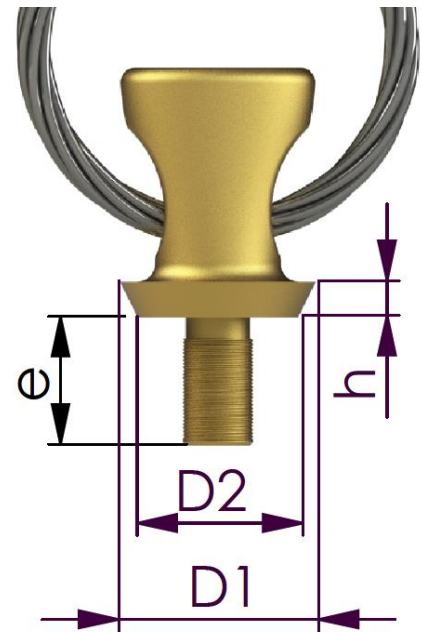


BGW Segment Anchor Lifter – Loaded Threaded Anchors

06/12_(12/19)

suitable for the loaded segment anchors

The threaded part of the **BGW** segment anchor lifter is made of high-quality steel. The one in the form of 8 Pressed wire rope is galvanized. The welded-on Pressure plate fits precisely on the recess body tuned. Marking of the lifter with Steel ring.



BGW Segment Anchor Lifter

EC Declaration of Conformity:

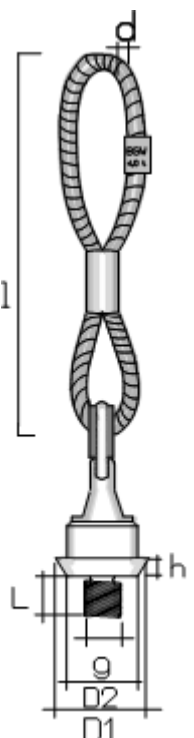
https://www.bgw-bohr.de/pdf/CE_Zeichen/EG-Konf_BGW-Seilschlaufe_Goliath-8-Verpressung_alle_Laststufen.pdf

Art.-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 €/pc
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 swivel with swivel joint, thimble and rope for segment anchor

Fits perfectly to the corresponding magnet or steel recess body for support on the concrete. Marking with steel ring

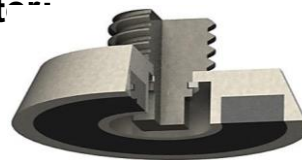
Art.-No.	Thread M od. Rd	Load- boundary t		g x l Mm	Rope Ø d mm	ØD1 Mm	ØD2 Mm	h Mm	Total- length l mm	Price €/pc
		90°	0°							
D-0602G8	12	0,50	1,00	12 x 20	8	36	30	10	335	140,00
D-0606G8	16	1,25	2,50	16 x 20	12	36	30	10	385	140,00
D-0610G8	20	2,00	4,00	20 x 26	16	49,5	45	10	470	200,00
D-0612G8	24	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



Accessories for the BGW-Segment Anchor Lift

BGW Adhesive Mangete Type HM4-D

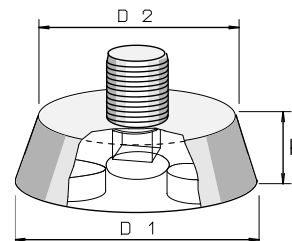
06/12(06/12)



BGW magnet type HM4-D suitable for DEHA perfect head

with replaceable threaded pin (and retaining ring/sewage ring):

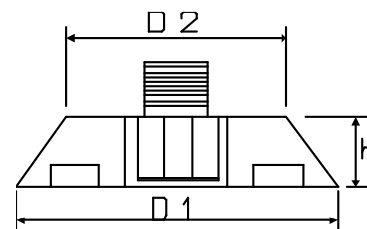
Art.-No.	for M od. Rd Thread	Adhesive force medical history	D1 Mm	D2 Mm	Height h mm	Price €/piece
HM4-D-30/10M12	12	50	40	30	10	65,90
HM4-D-30/10M16	16	50	40	30	10	65,90
HM4-D-45/10M20	20	100	55	45	10	76,13
HM4-D-45/10M24	24	100	55	45	10	76,13



with inner 6-point and welded-in threaded journal:

(an Allen key Ø10 mm is used for this)

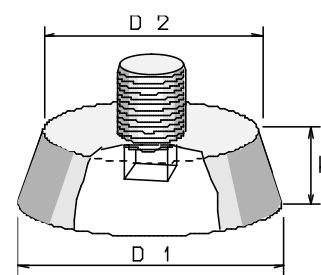
Art.-No.	for M od. Rd Thread	Adhesive force medical history	D1 Mm	D2 Mm	Height h mm	Price €/piece
HM4-D-30/10M12-1	12	50	40	30	10	65,90
HM4-D-30/10M16-1	16	50	40	30	10	65,90
HM4-D-45/10M20-1	20	100	55	45	10	76,13
HM4-D-45/10M24-1	24	100	55	45	10	76,13
HM4-D-60/10M30-1	30	120	70	60	10	110,18
HM4-D-60/10M36	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 retaining washers made of steel without magnets

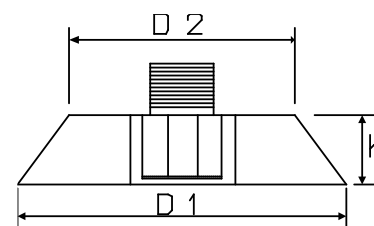
with replaceable threaded pin (and retaining ring/sewage ring):

Art.-No.	for M od. 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 inner 6-point and welded-in threaded journal:

Art.-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 Threaded Mandrel - Threaded Bolt

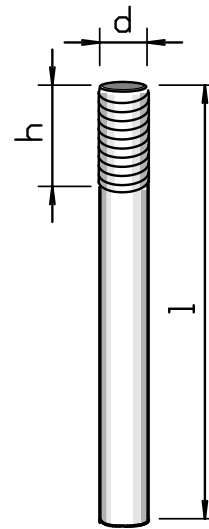
09/17 (03/07)

Type d x h	Length Mm	Verp.Einh. Piece	Weight kg/piece	Price €/meter
M/Rd12 x 25	100	500	0,085	On Inquiry
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	
M/Rd20 x 50	250	250	0,603	
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 mandrels are available in the following material versions:

- St52 or St37
- Galvanized or bare
- Stainless steel V4A or V2A

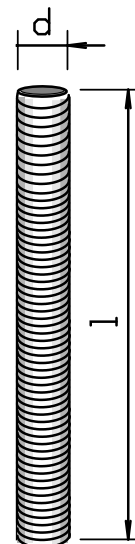
Different mandrel and thread lengths as well as special threads on request!



BGW threaded rod or short pieces

Thread M/Rd d	Length total/m	Verp.Einh. 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 change on request. Lengths of up to 6 meters are possible. Pieces by the meter!



BGW Connecting Sleeves – For Extending Threaded Rods Coupling Sleeves for Anchor Feet

03/22(03/22)

Coupling sleeve, threaded sleeve with thread on both sides

The BGW connecting sleeves/coupling sleeves are designed for extending threaded pieces, making reinforcement connections, screwing on anchor feet, etc. The threaded pieces to be extended are screwed into the connecting sleeve/coupling sleeve (threaded sleeve) at the same depth from both sides and tightened tightly, it is better to counter with a DIN nut to prevent loosening. When a reinforcement connection is made, the appropriate metric standard thread is cut or rolled up on the reinforcing bar in accordance with DIN sheet 13. To secure it, a nut should be countered on each side. The connecting sleeves/coupling sleeves (threaded sleeves) are made of steel and galvanized. The thread should be greased before installation in the concrete. To fasten the connecting sleeve to the formwork, BGW retaining washers made of metal, plastic with and without magnets can be used.



No.	Thread	Ø Outside Mm	Length Mm	Collapse load kg/min.	Weight kg / piece	Pkgg. Einh. 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 delivered as needed. The anchor foot is supplied without a lock nut.

Kind. No.	Thread	Ø Foot Mm	Length Mm	Load group medical history	Weight kg / piece	Pkgg. Einh. 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 Flat Steel Anchors (FSA) M and Rd Thread – Galvanized

10/21^(09/21)

Due to their low dead height, the **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 assembly of precast concrete elements, for installation in flat parts such as slabs, pipes and for mechanical use.

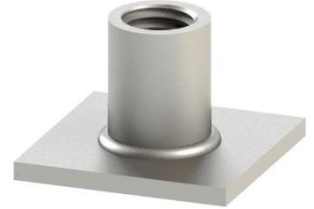
Installation instructions:

https://bgw-bohr.de/Flachstahlanker_Einbauanleitung.pdf

An Rd or M thread is cut into the galvanized or stainless steel sleeve, which should be greased before being installed in the precast concrete element. For fixation on steel formwork, **BGW magnets type HM4 are** recommended. To ensure the correct fit of the anchor when installed, it is necessary to use **BGW retaining discs** or **BGW recess bodies with marking**. In order to prevent dirt and concrete from penetrating into the thread of the sleeve, **sealing plugs made of plastic** or plastic are used. **retaining discs**.

The anchor lengths can be changed on request to suit your specific installation case.

Flat steel anchors – galvanized – design: with hole in the plate (the hole is closed with a sealing cap). Through this hole in the plate, the sleeve is better flushed on the inside during galvanizing and thus also more galvanized on the inside.



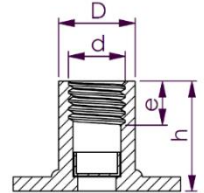
Rd Thread Art.-No.	M-thread Art.-No.	Load-Level T	Type d x h	Strap iron Mm	e Mm	D Mm	P.-Unit Piece	Weight Kg/100 pcs.	Price € Piece
0350	0350M	0,5	Rd/M12 x 30	35 x 35 x 3	22	16	100	4,0	1,94
0352	0352M	0,8	Rd/M14 x 33	35 x 35 x 3	25	18	100	7,0	1,99
0361	0361M	1,2	Rd/M16 x 35	35 x 35 x 3	27	21	100	5,1	
0354	0354M	1,2	Rd/M16 x 35	50 x 35 x 3	27	21	100	9,0	2,20
0361-43	0361M-43	1,2	Rd/M16 x 43	50 x 35 x 3	27	21	100	6,4	
0354/55	0354/55M	1,2	Rd/M16 x 55	80 x 60 x 5	27	21	100	27,0	2,60
0377	0377M	1,2	Rd/M16 x 60	50 x 50 x 5	45	21	100	11,8	2,20
03546		1,2	Rd/M16 x 60	50 x 50 x 5	27	21	100	16,0	2,10
0354/65	0345/65M	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	9,2	2,20
	0359M	1,2	Rd/M16 x 75	35 x 35 x 3	27	21	100	12,4	
0356	0356M	1,6	Rd/M18 x 44	60 x 45 x 5	34	25	50	19,0	2,66
0356-80-150	0356-80-150M	1,6	Rd/M18 x 80	150 x 150 x 5	34	25	50	121,0	
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	24,5	
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	35,0	3,32
0360-54-130	Phone 0360-54-130M	2,5	Rd/M24 x 54	130 x 130 x 8	43	32	50	120,7	
0360-65-130	0360-65-130M	2,5	Rd/M24 x 65	130 x 130 x 10	43	32	50	29,8	
0360-70	0360-70M	2,5	Rd/M24 x 70	190 x 70 x 5	43	32	50	74,0	4,10
0360-250	0360-250M	2,5	Rd/M24 x 70	250 x 60 x 5	43	32	50	80,3	
0360-73-130C	0360-73-130CM	2,5	Rd/M24 x 73	130 x 130 x 8	43	32	50	128,6	
0360-75-130	Phone 0360-75-130M	2,5	Rd/M24 x 75	130 x 130 x 8	43	32	50	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	25	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	25	137,2	
0362-170	0362-170M	4,0	Rd/M30 x 170	100 x 80 x 6	56	38	25	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 x 120	150 x 130 x 8	97	70	10	230,0	23,78
0369	0369M	12,5	Rd/M52 x 140	120 x 120 x 8	97	70	10	234,3	

BGW Flat Steel Anchors (FSA) M and Rd Thread – Galvanized, V2A, V4

10/21^(09/21)

Flat steel anchors – galvanized

Rd Thread Art.-No.	M-thread Art.-No.	Load-Level T	Type d x h	Strap iron Mm	e Mm	D Mm	P.-Unit Piece	Weight Kg/100 pcs.	Price € Piece
03501	03501M	0,5	Rd/M12 x 30	35 x 35 x 3	22	16	100	4,0	1,08
03521	03521M	0,8	Rd/M14 x 33	35 x 35 x 3	25	18	100	7,0	1,14
0354-2	0354-2M	1,2	Rd/M16 x 35	50 x 35 x 3	27	21	100	9,0	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	100	37,2	
0354/55-1	0354/55-1M	1,2	Rd/M16 x 55	80 x 60 x 5	27	21	100	27,0	1,86
03541	03541M	1,2	Rd/M16 x 60	50 x 50 x 5	50	21	100	16,3	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	100	57,3	
03561	03561M	1,6	Rd/M18 x 44	60 x 45 x 5	34	25	50	19,0	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		
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	35,0	2,70
0360-70-1	0360-70-1M	2,5	Rd/M24 x 70	190 x 70 x 5	43	32	50	74,0	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	245,0	20,24

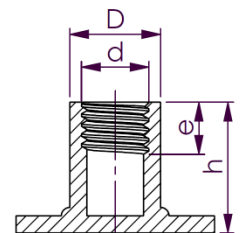


Flat steel anchor – stainless steel sleeve and plate made of stainless steel V2A AISI 304

Rd Thread Art.-No.	M-thread Art.-No.	Load-Level T	Type d x h	Strap iron Mm	e Mm	D Mm	P.-Unit Piece	Weight kg/100 pcs.	Price € Piece V2A
0350E	0350ME	0,5	Rd/M12 x 30	35 x 35 x 3	22	16	100	4,0	4,25
0352E	0352ME	0,8	Rd/M14 x 33	35 x 35 x 3	25	18	100	7,0	4,95
0354E	0354ME	1,2	Rd/M16 x 35	50 x 35 x 3	27	21	100	9,0	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	100	37,2	
0354/55E	0354/55ME	1,2	Rd/M16 x 55	80 x 60 x 5	27	21	100	27,0	5,80
03541E	03541ME	1,2	Rd/M16 x 60	50 x 50 x 5	50	21	100	16,3	
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	100	57,3	
0356E	0356ME	1,6	Rd/M18 x 44	60 x 45 x 5	34	25	50	19,0	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		
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	35,0	13,05
0360-70-1E	0360-70-1ME	2,5	Rd/M24 x 70	190 x 70 x 5	43	32	50	70,0	20,90
0362E	0362ME	4,0	Rd/M30 x 72	100 x 80 x 6	56	38	10	118,0	28,95
0364E	0364ME	6,3	Rd/M36 x 80	130 x 100 x 6	69	48	10	188,0	70,00
0366E	0366ME	8,0	Rd/M42 x 98	130 x 130 x 8	80	54	10	245,0	113,00
0368E	0368ME	12,5	Rd/M52 x 120	150 x 130 x 8	97	70	10	340,90	160,00

Flat steel anchor – stainless steel sleeve and plate made of stainless steel V4A AISI 316

Rd Thread Art.-No.	M-thread Art.-No.	Load-Step t	Type d x h	Strap iron Mm	e Mm	D Mm	P.-Unit Piece	Weight kg/100 pcs.	Price € Piece V4A
0350EE	0350MEE	0,5	Rd/M12 x 30	35 x 35 x 3	22	16	100	4,0	5,10
0352EE	0352MEE	0,8	Rd/M14 x 33	35 x 35 x 3	25	18	100	7,0	5,94
0354EE	0354MEE	1,2	Rd/M16 x 35	50 x 35 x 3	27	21	100	9,0	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	16,3	
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	19,0	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	35,0	15,66
0360-70-1EE	0360-70-1MEE	2,5	Rd/M24 x 70	190 x 70 x 5	43	32	50	70,0	25,08
0362EE	0362MEE	4,0	Rd/M30 x 72	100 x 80 x 6	56	38	10	118,0	34,74
0364EE	0364MEE	6,3	Rd/M36 x 80	130 x 100 x 6	69	48	10	188,0	84,00
0366EE	0366MEE	8,0	Rd/M42 x 98	130 x 130 x 8	80	54	10	245,0	135,60
0368EE	0368MEE	12,5	Rd/M52 x120	150 x 130 x 8	97	70	10	340,90	225,00



BGW crutch anchor M and Rd thread – galvanized

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Threaded anchors can not only be very useful as transport anchors, but can also be used temporarily to fasten 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. In the galv. A galvanized or stainless steel sleeve is a round thread (Rd) cut into it, which should be greased before installation in the precast concrete element. For fixation on steel formwork, BGW magnets type HM4 are recommended. To prevent dirt and concrete from penetrating the thread of the sleeve, plastic sealing plugs or retaining washers are used. The front sides of the anchor rods are painted in colour to match the corresponding take-off rope loops. The anchor lengths and rod diameters can be modified to suit your specific installation case, but it should be noted that the load level may change.

Crutch Anchor – Galvanized Sleeve

Rd Thread Art.-No.	Type d x h	M-thread Art.-No.	Type d x h	Load level t	c mm	Pkgg. Unit 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		

BGW crutch anchors M and Rd threads – galvanized

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Rd Thread Art.-No.	Type d x h	M-thread Art.-No.	Type d x h	Loading step t	c mm	Pkkg. Unit Piece	Weight kg/piece	Price €/piece
05700	Rd27 x 270	0570	M27 x 270	5,0		1		
05720	Rd27 x 400	0572	M27 x 400	5,0		1	2,690	
0574-540	Rd27 x 540	0574	M27 x 540	5,0		1		
0574-550	Rd27 x 550	05740	M27 x 550	5,0		1	1,975	
05912	Rd30 x 630	0569-630	M30 x 630	4,0	20	1	2,236	9,40
0594	Rd30 x 900	0594M	M30 x 900	4,0	20	1		
05690	Rd30 x 1500	0569	M30 x 1500	4,0	20	1	8,300	
0578	Rd30 x 2000	0578M	M30 x 2000	6,3	20	1		
05914	Rd36 x 790	05914M	M36 x 790	6,3	25	1	4,273	15,65
05916	Rd42 x 860	05916M	M42 x 860	8,0	28	1	6,107	27,20
0582	Rd42 x 1000	0582M	M42 x 1000	8,0	28	1		
0582-2000	Rd42 x 2000	0582M-2000	M42 x 2000	8,0	28	1	11,319	
0584	Rd52 x 1500	0584M	M52 x 1500	8,0	32	1		
0584-2000	Rd52 x 2000	0584M-2000	M52 x 2000	8,0	32	1	15,286	



BGW crutch anchor M and Rd thread - sleeve stainless steel V2A, V4A

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Rd Thread Art.-No. V2A	M-thread Art.-No. V2A	Rd Thread Art.-No. V4A	M-thread Art.-No. V4A	Type d x h	Load-step t	c mm	Pkkg. Unit Piece	Weight kg/piece	Price V2A €/piece	Price V4A €/piece
Phone 05510-110E	Phone 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		
Phone 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			

BGW crutch anchor M and Rd thread - sleeve stainless steel V2A, V4A

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Rd Thread Art.-No. V2A	M-thread Art.-No. V2A	Rd Thread Art.-No. V4A	M-thread Art.-No. V4A	Type d x h	Load-step t	c mm	Pkgg. Unit 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	Phone 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	5,0		1			
05720E	0572E	05720EE	0572EE	Rd/M27 x 400	5,0		1	2,690		
Phone 0574-540E	0574E	Phone 0574-540EE	0574EE	Rd/M27 x 540	5,0		1			
Phone 0574-550E	05740E	Phone 0574-550EE	05740EE	Rd/M27 x 550	5,0		1	1,975		
05912E	Phone 0569-630E	05912EE	Phone 0569-630EE	Rd/M30 x 630	4,0	20	1	2,236		
0594E	0594ME	0594EE	0594MEE	Rd/M30 x 900	4,0	20	1			
05690E	0569E	05690EE	0569EE	Rd/M30 x 1500	4,0	20	1	8,300		
0578E	0578ME	0578EE	0578MEE	Rd/M30 x 2000	6,3	20	1			
05914E	05914ME	05914EE	05914MEE	Rd/M36 x 790	6,3	25	1	4,273		
05916E	05916ME	05916EE	05916MEE	Rd/M42 x 860	8,0	28	1	6,107		
0582E	0582ME	0582EE	0582MEE	Rd/M42 x 1000	8,0	28	1			
0582-2000E	0582M-2000E	0582-2000EE	0582M-2000EE	Rd/M42 x 2000	8,0	28	1	11,319		
0584E	0584ME	0584EE	0584MEE	Rd/M52 x 1500	8,0	32	1			
0584-2000E	0584M-2000E	0584-2000EE	0584M-2000EE	Rd/M52 x 2000	8,0	32	1	15,286		



BGW crutch anchor sealed, M and Rd thread – galvanized

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"Sealing" is a seal that has been installed between the threaded anchor reinforcement and the threaded part of the transport anchor. This "sealing" ensures that no rust can flow from the reinforcement bar of the anchor into the threaded part of the threaded transport anchor. The low-viscosity sealant, an epoxy resin, is poured into the grease-free, cleaned thread of the threaded sleeve to a thickness of approx. 3 mm on the reinforcing bar, while the low-viscosity resin flows into every crack, into the pressing, between the threaded sleeve and the reinforcing bar. After this resin has hardened after a few hours, it is ensured that no rust will continue to rust from the rebar of the anchor.



The illustration shows a sliced transport anchor with this seal.

Crutch anchor sealed – sleeve galvanized

Rd Thread Art.-No.	Type d x h	M-thread Art.-No.	Type d x h	Loading step t	c mm	Pkgg. Unit 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 crutch anchor sealed – galvanized, V2A, V4A

04/22(08/21)

Rd Thread Art.-No.	Type d x h	M-thread Art.-No.	Type d x h	Loading step t	c mm	Pkgg. Unit 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	5,0		1		
05720V	Rd27 x 400	0572V	27 x 400	5,0		1	2,690	
Phone 0574-540V	Rd27 x 540	0574V	27 x 540	5,0		1		
0574-550V	Rd27 x 550	05740V	27 x 550	5,0		1	1,975	
05912V	Rd30 x 630	Phone 0569-630V	30 x 630	4,0	20	1	2,236	10,40
0594V	Rd30 x 900	0594MV	30 x 900	4,0	20	1		
05690V	Rd30 x 1500	0569V	30 x 1500	4,0	20	1	8,300	
0578V	Rd30 x 2000	0578MV	30 x 2000	6,3	20	1		
05914V	Rd36 x 790	05914MV	36 x 790	6,3	25	1	4,273	16,78
05916V	Rd42 x 860	05916MV	42 x 860	8,0	28	1	6,107	28,50
0582V	Rd42 x 1000	0582MV	42 x 1000	8,0	28	1		
0582-2000V	Rd42 x 2000	0582M-2000V	42 x 2000	8,0	28	1	11,319	
0584V	Rd52 x 1500	0584MV	52 x 1500	8,0	32	1		
0584-2000V	Rd52 x 2000	0584M-2000V	52 x 2000	8,0	32	1	15,286	

BGW crutch anchor sealed, M and Rd thread - sleeve stainless steel V2A, V4A

Rd Thread Art.-No. V2A	M-thread Art.-No. V2A	Rd Thread Art.-No. V4A	M-thread Art.-No. V4A	Type d x h	Load-step t	c mm	Pkgg. Unit Piece	Weight kg/piece	Price V2A €/piece	Price V4A €/piece
05510-110EV	0551-110EV	05510-110EEV	Phone 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/M 20 x 200	2,0	14	50			
05650-1EV	0565-1EV	05650-1EEV	0565-1EEV	Rd/M 20 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	Phone 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 crutch anchor sealed, M and Rd thread - sleeve stainless steel V2A, V4A

04/22(08/21)

Rd Thread Art.-No. V2A	M-thread Art.-No. V2A	Rd Thread Art.-No. V4A	M-thread Art.-No. V4A	Type d x h	Load-step t	c mm	Pkgg. Unit Piece	Weight kg/piece	Price V2A €/piece	Price V4A €/piece
0587EV	0587MEV	0587EEV	0587MEEV	Rd/M 20 x 2100	2,0	14	50	2,870		
0588EV	0588MEV	0588EEV	0588MEEV	Rd/M 20 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	Phone 05900-600EEV	Phone 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	5,0		1			
05720EV	0572EV	05720EEV	0572EEV	Rd/M27 x 400	5,0		1	2,690		
0574-540EV	0574EV	Phone 0574-540EEV	0574EEV	Rd/M27 x 540	5,0		1			
0574-550EV	05740EV	Phone 0574-550EEV	05740EEV	Rd/M27 x 550	5,0		1	1,975		
05912EV	0569-630EV	05912EEV	Phone 0569-630EEV	Rd/M30 x 630	4,0	20	1	2,236		
0594EV	0594MEV	0594EEV	0594MEEV	Rd/M30 x 900	4,0	20	1			
05690EV	0569EV	05690EEV	0569EEV	Rd/M30 x 1500	4,0	20	1	8,300		
0578EV	0578MEV	0578EEV	0578MEEV	Rd/M30 x 2000	6,3	20	1			
05914EV	05914MEV	05914EEV	05914MEEV	Rd/M36 x 790	6,3	25	1	4,273		
05916EV	05916MEV	05916EEV	05916MEEV	Rd/M42 x 860	8,0	28	1	6,107		
0582EV	0582MEV	0582EEV	0582MEEV	Rd/M42 x 1000	8,0	28	1			
0582-2000EV	0582M-2000EV	Phone 0582-2000EEV	0582M-2000EEV	Rd/M42 x 2000	8,0	28	1	11,319		
0584EV	0584MEV	0584EEV	0584MEEV	Rd/M52 x 1500	8,0	32	1			
0584-2000EV	0584M-2000EV	0584-2000EEV	0584M-2000EEV	Rd/M52 x 2000	8,0	32	1	15,286		



BGW Screw Anchor (SA) M and Rd Thread – Galvanized

04/22(08/21)

Screw Anchor – Galvanized Sleeve

Threaded anchors can not only be very useful as transport anchors, but can also be used temporarily to fasten 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. In the galv. A galvanized or stainless steel sleeve is a round thread (Rd) cut into it, which should be greased before installation in the precast concrete element. For fixation on steel formwork, BGW magnets type HM4 are recommended. To prevent dirt and concrete from penetrating the thread of the sleeve, plastic sealing plugs or retaining washers are used. The front sides of the anchor rods are painted in colour to match the corresponding take-off rope loops. The anchor lengths and rod diameters can be modified to suit your specific installation case, but it should be noted that the load level may change.

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

M-thread Art.-No.	Type d x h	Rd Thread Art.-No.	Type d x h	Loading step t	Pkg. Unit 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	200	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
Phone 0384M-107	M20 x 107	0384-107	Rd20 x 107	2,0	50	0,252	2,14
Phone 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
0358M-80	M24 x 80	0358-80	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	1	0,621	4,17
0386M	M30 x 170	0386	Rd30 x 170	4,0	1	0,683	4,74
0386M-240	M30 x 240	0386-240	Rd30 x 240	4,0	1	0,805	7,40



BGW Screw Anchor (SA) M and RD Thread - Sleeve Stainless Steel V2A, V4A

08/21^(08/21)

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

Rd Thread Art.-No. V2A	Rd Thread Art.-No. V4A	M-thread Art.-No. V2A	M-thread Art.-No. V4A	Type d x h	Loading step t	Pkkg. Unit 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
Phone 0382-90E	0382-90EE	0382M-90E	0382M-90EE	Rd/M16 x 90	1,2	100	0,114	3,95	4,75
Phone 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
Phone 0384-150E	0384-150EE	0384M20-150E	0384M20-150EE	Rd/M20 x 150	2,0	50	0,270	7,40	8,85
0358-80E	0358-80EE	0358M-80E	0358M-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	1	0,621	12,51	15,01
0386E	0386EE	0386ME	0386MEE	Rd/M30 x 170	4,0	1	0,499	14,22	17,06
Phone 0386-240E	0386-240EE	0386M-240E	0386M-240EE	Rd/M30 x 240	4,0	1	0,805	16,95	20,34



BGW screw anchor (SA) sealed, M and Rd thread – galvanized

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"Sealing" is a seal that has been installed between the threaded anchor reinforcement and the threaded part of the transport anchor. This "sealing" ensures that no rust can flow from the reinforcement bar of the anchor into the threaded part of the threaded transport anchor. The low-viscosity sealant, an epoxy resin, is poured into the grease-free, cleaned thread of the threaded sleeve to a thickness of approx. 3 mm on the reinforcing bar, while the low-viscosity resin flows into every crack, into the pressing, between the threaded sleeve and the reinforcing bar. After this resin has hardened after a few hours, it is ensured that no rust will continue to rust from the rebar of the anchor.

into the threaded part of the threaded transport anchor.



The illustration shows a sliced transport anchor with this seal.

Screw anchor (SA) sealed – sleeve galvanized

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

M-thread Art.-No.	Type d x h	Rd Thread Art.-No.	Type d x h	Loading step t	Pkkg. Unit 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	1,73
0382M-80V	M16 x 80	0382V	Rd16 x 80	1,2	100	0,110	1,79
0382M-90V	M16 x 90	0382-90V	Rd16 x 90	1,2	100	0,114	1,93
0382M-105V	M16 x 105	0382-105V	Rd16 x 105	1,2	100	0,145	2,02
0382M-118V	M16 x 118	0382-118V	Rd16 x 118	1,2	100	0,154	2,15
0382MV	M16 x 140	0382-140V	Rd16 x 140	1,2	100	0,162	2,38
0383M-90V	M18 x 90	0383-90V	Rd18 x 90	1,6	50	0,194	2,09
0383MV	M18 x 100	0383V	Rd18 x 100	1,6	50	0,206	2,16
0384M-90V	M20 x 90	0384-90V	Rd20 x 90	2,0	50	0,231	2,53
0384M20-100V	M20 x 100	0384-100V	Rd20 x 100	2,0	50	0,241	2,60
0384M-107V	M20 x 107	0384-107V	Rd20 x 107	2,0	50	0,252	2,64
0384M20-127V	M20 x 127	0384V	Rd20 x 127	2,0	50	0,260	2,66
0384M20-150V	M20 x 150	038420-150V	Rd20 x 150	2,0	50	0,270	3,15
0358M-80V	M24 x 80	0358-80V	Rd24 x 80	2,5	50	0,215	2,95
0385M-115V	M24 x 115	0385-115V	Rd24 x 115	2,5	50	0,337	2,98
0385M-120V	M24 x 120	0385-120V	Rd24 x 120	2,5	50	0,359	3,07
0385MV	M24 x 140	0385V	Rd24 x 140	2,5	50	0,370	3,19
0385M-200V	M24 x 200	0389V	Rd24 x 200	2,5	50	0,483	3,35
0386M-150V	M30 x 150	0386-150V	Rd30 x 150	4,0	1	0,621	5,17
0386MV	M30 x 170	0386V	Rd30 x 170	4,0	1	0,683	5,74
0386M-240V	M30 x 240	0386-240V	Rd30 x 240	4,0	1	0,805	8,40

BGW screw anchor (SA) sealed, M and Rd thread - sleeve stainless steel V2A, V4A

08/21 (08/21)

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

Rd Thread Art.-No. V2A	Rd Thread Art.-No. V4A	M-thread Art.-No. V2A	M-thread Art.-No. V4A	Type d x h	Load level t	Pkkg. Unit 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	4,30	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	4,03	4,72
0382EV	0382EEV	0382M-80EV	0382M-80EEV	Rd/M16 x 80	1,2	100	0,110	4,21	4,94
0382-90EV	0382-90EEV	0382M-90EV	0382M-90EEV	Rd/M16 x 90	1,2	100	0,114	4,53	5,33
0382-105EV	0382-105EEV	0382M-105EV	0382M-105EEV	Rd/M16 x 105	1,2	100	0,145	4,90	5,76
0382-118EV	0382-118EEV	0382M-118EV	0382M-118EEV	Rd/M16 x 118	1,2	100	0,154	5,29	6,23
0382E-140V	0382EE-140V	0382MEV	0382MEEV	Rd/M16 x 140	1,2	100	0,092	5,78	6,83
0383-90EV	0383-90EEV	0383M-90EV	0383M-90EEV	Rd/M18 x 90	1,6	50	0,194	5,37	6,35
0383EV	0383EEV	0383MEV	0383MEEV	Rd/M18 x 100	1,6	50	0,206	5,58	6,61
0384-90EV	0384-90EEV	0384M-90EV	0384M-90EEV	Rd/M20 x 90	2,0	50	0,231	6,59	7,81
0384-100EV	0384-100EEV	0384M20-100EV	0384M20-100EEV	Rd/M20 x 100	2,0	50	0,180	6,80	8,06
0384-107EV	Phone 0384-107EEV	0384M-107EV	0384M-107EEV	Rd/M20 x 107	2,0	50	0,252	6,92	8,20
0384EV	0384EEV	0384M20-127EV	0384M20-127EEV	Rd/M20 x 127	2,0	50	0,230	7,62	9,05
0384-150EV	0384-150EEV	0384M20-150EV	0384M20-150EEV	Rd/M20 x 150	2,0	50	0,270	7,90	9,35
0358-80EV	0358-80EEV	0358M-80EV	0358M-80EEV	Rd/M24 x 80	2,5	50	0,170	7,60	8,75
0385-115EV	0385-115EEV	0385M-115EV	0385M-115EEV	Rd/M24 x 115	2,5	50	0,337	7,94	9,43
0385-120EV	0385-120EEV	0385M-120EV	0385M-120EEV	Rd/M24 x 120	2,5	50	0,359	8,21	9,75
0385EV	0385EEV	0385MEV	0385MEEV	Rd/M24 x 140	2,5	50	0,300	8,57	10,18
0389EV	0389EEV	0389M-200EV	0389M-200EEV	Rd/M24 x 200	2,5	50	0,264	9,05	10,76
0386-150EV	Phone 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	Phone 0386-240EEV	0386M-240EV	0386M-240EEV	Rd/M30 x 240	4,0	1	0,805	17,95	21,34



BGW-Recess system for recessed installation of threaded transport anchors and to close the recess

09/23_(09/23)

There are several reasons why a threaded transport anchor recesses should be installed in the concrete component.

The main reason is that the wire rope of the load handling device in the recessed installation cannot be damaged.

The rope loops cannot bend and can therefore be pulled in all directions. There are no longer any hidden rope breaks in the crimping, due to repeated diagonal pulling of the rope loops.

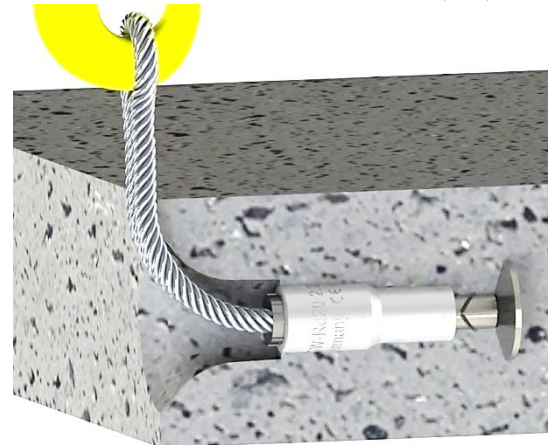
The attachment to the concrete does not bother the rope.

Other reasons include

- Safety: The transport anchor is reinforced 360° all around by the recessed installation. The tensile forces on the anchor are then always axial. The full nominal anchor load can always be expected.

- Cost and time savings: The operator no longer needs to reinforce the transport anchor with inclined tensile reinforcement. Due to the deeper installation of the anchor, no expensive slings are needed.

The best slings in this installation case are the cheapest rope loops. These can be brought to the construction site already screwed in. If the rope loops are not returned to the factory, they are already paid for by the costs previously saved. This also eliminates the hassle and costs of collecting the load handling equipment.



BGW Ribbed Foot Anchor – Galvanized Sleeve

Art.-No.	Load level t	Type d x h	Pkgg. Unit Piece	Weight kg/piece	Price €/piece
0432	2,0	Rd20 x 90	50	0,22	2,10
0437	2,0	Rd20 x 170	50	0,32	2,40
0440	2,5	Rd24 x 105	50	0,36	2,43
0441	2,5	Rd24 x 115	50	0,37	2,49

BGW rope loops

Art.-No.	Rd Thread d x e	Rope DIN 3060 Ø mm	Load-step Axial t	Oblique-train -45°	Oblique-train +45°-60°	Height h mm	Pkgg.-Einh.	Weight kg/piece	Price €/piece
0658	Rd20 x 35	10	2,0	1,4	1,0	215	25	0,25	8,18
0660	Rd24 x 37	12	2,5	1,7	1,25	255	25	0,36	9,36

BGW recess body for recessed installation - magnetic

Art.-No.	Thread	Weight kg/piece	Price €/piece
13674	M20	0,27	108,00
13677	M24	0,27	112,00

BGW recess body for recessed installation - for screwing, nailing, gluing

Art.-No.	Thread	Weight kg/piece	Price €/piece
13676	M20	0,27	45,00
13678	M24	0,27	48,00

BGW stainless steel cover for recesses

Art.-No.	Thread	Weight kg/piece	Price €/piece
13673	M20	0,33	42,50
13679	M24	0,33	45,00

BGW glass fibre recess body

Art.-No.	Thread	Weight kg/piece	Price €/piece
13672	M20	0,056	22
13672-1	M24	0,056	22



BGW-Anker - Universally applicable transport anchor

HFAM – System for recessed anchor installation

galvanized, marked with manufacturer, type and the maximum load level

06/22^(06/22)

This transport anchor is characterized by its large anchoring area, which is installed in the component below the reinforcement. It consists only of the anchoring surface with the threaded part and the drum room, which has space for dirt and the lifting gear. It is characterized by minimal use of materials. Non-load-bearing steel is not installed.

In HFAM, there is no need to install any expensive additional reinforcement in the system.

Safe installation: The transport anchor is delivered ready for installation. No installation error can be made during installation, even by laymen. Confusion with unrelated load handling devices is no longer possible with HFAM.

There is always a place for the HFAM where it can be installed in the component.

The HFAM is a universally applicable transport anchor. It is suitable for installation in all concrete components.

- in the shells of double walls, wall slabs and shaft structures
- in concrete pipes
- as a transport anchor for installation on both sides in sandwich panels with strong thermal insulation
- when installed opposite in the centre of gravity, for swivelling, turning the components
- when installed opposite to transport precast concrete elements, walls, slabs, columns, etc.

Loads per opposing anchor up to 8t with concrete strength C 30/37.

In any transport anchor system, the piece of material that is close to the surface is a waste of material because this near-surface material does not support the component.

A transport anchor carries deeper into the concrete. The transport anchor below the reinforcement built into the component will bear the most if the transport anchor below the reinforcement has a sufficient anchoring area.

In the case of transverse and oblique pulling, this non-load-bearing piece of the transport anchor must also be reinforced with material to prevent material failure or tearing.

It is advantageous if the reinforcement built into the concrete part can be addressed to absorb the forces. The thread of this anchor is below the concrete surface, preferably below the reinforcement, the depth of which is determined by the recess body used. As a result, the transverse forces cannot act on the threaded part of the anchor. These forces are incorporated into the surrounding concrete and the built-in reinforcement and dissipated.

Behind the thread of the anchor is a large deep chamber where dirt that has fallen into the anchor accumulates and the thread maintains its function.

When installing the HFAM in components such as wall panels, shaft components, etc., the HFAM should be installed in such a way that the largest possible concrete mass is above the HFAM, so that the HFAM load lifts from below and cannot tear out to the top.

The HFAM system can be used to rotate and swivel the components by installing an HFAM on both sides of the centre of gravity and hitting the load handling device into the HFAM on both sides with the cordless screwdriver.

The truss must be slightly wider and the ropes must be longer than half the height of the component so that this component can be penetrated by the truss when rotating in the axis.

HFAM as a swivel joint system can be seen 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 depends on the height, depth, the recess body used and is located at least 50mm below the concrete side.

When the opening of the recess body for the lifting gear is cast, the metal part of the anchor, i.e. the transport anchor, depending on which recess body is used, is deep below the concrete surface, so that if this recess is cast, there is no need to install a stainless steel anchor. A sufficient concrete cover (50mm) is already available due to the recessed installation of the transport anchor



The metallic values given in the following table against material failure of the anchor 06/22(06/22) contain a minimum safety factor of 1.5. For the transmission of the forces into the component, the built-in steel and concrete. The metallic fracture value is approx. 3.5t for HFAM12, approx. 6.5t for HFAM16 and 7.5t for HFAM 20.

Art.- No.	Loading step Metal Axial t as an assembly aid	Loading step HFAM installed as a transport anchor under the reinforcement applies to all tensile directions	Diameter of anchoring surface mm	Thread	Packaging unit piece	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 axially drawn steel breakage is min. 3 of the nominal load.

The use of HFAM as a transport anchor in double-wall production and assembly

The storage of these bulky steel brackets of double-wall transport anchors of different widths and load levels is no longer needed when using the HFAM system, this expensive storage space can be saved. The environment also benefits if trucks no longer have to transport tons of such transport anchors around the world.

The advantages are no time-consuming warehousing and the associated inventory maintenance. The use of HFAM requires little, almost none, storage space. Installation is simple – no more installation errors are possible, because the same steps have to be made over and over again.

HFAM anchor installation for horizontal wall transport

If the double wall can be taken out of production horizontally, then six HFAM 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 on the construction site. In the first concrete shell, two HFAM 16 with the corresponding magnetic recess body are placed on the steel formwork approx. at least 0.3m from the upper edge and at a distance of 0.6m. Two of these, installed at the top of the edge, are used as transport anchors, the other two are intended for fastening the inclined supports. In addition, two HFAMs must be placed in the lower area, opposite the transport anchors from above, for horizontal transport of the double wall. It is important to ensure that the protrusion of exterior walls, when setting the HFAM, is to be taken into account and installed deeper according to the protrusion.

When concreting the double wall shell 2, one HFAM is installed at the top opposite the two HFAMs intended in the first concrete shell for the transport of the double wall, and then, when the wall is assembled, the load handling device, HFAMLB, one on the inside and one on the outside. In this example, two HFAMLPs on the inside and two HFAMLBs would have to be attached using the cordless screwdriver with a 10mm Allen key.

By means of the turning station, if available, the first concrete shell is shaken into the fresh concrete board on the second side of the wall. Now that the concrete of the double wall has hardened, the recess bodies of the HFAM are removed from the double wall. These four concrete-embedded transport anchors of the first concrete shell are attached to the associated hanger and brought out of production horizontally. When mounting the wall, the two opposing HFAM transport anchors are then attached with a cordless screwdriver.

The BGW-HFAMLB load handling device with the BGW coupling band is recommended for attaching the double walls.

The lifting gear can be screwed into the HFAM within approx. 5 seconds with a cordless screwdriver with a 10 mm Allen key. The second transport anchor HFAM, which is embedded in concrete, is used to attach the inclined spikes to place the wall. This spacious up to 37mm deep space, on the back of the HFAM, also serves as a screw-in room, for longer support screws, when flanging mounting supports. If no such screw-in space were available, then the longer screws would blast off the concrete concreted above the HFAM when screwed in, and this blasted concrete would fall between the cavity of the concrete shells of the double wall. Such disturbances could allow water to penetrate the structure.



Installation in solid walls

Installation in sandwich panels For turning components, when installing in the centre of gravity

Accessories for HFAM Transport Anchor System – System for Recessed Anchor Installation BGW-Waisted rope loop

06/22(06/22)

When attaching the HFAM by means of 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, inclined and transverse pulling. The threaded piece of the rope loop cannot be bent by oblique pull or transverse pull when hitting the built-in HFAM. There is axial tension on the threaded piece in each tensile direction.

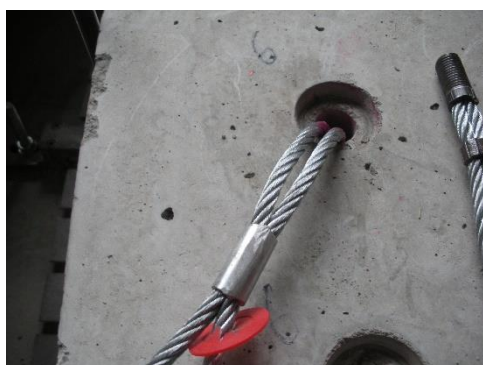
The rope loop is screwed into the HFAM until the end of the smooth thread of the rope loop, until it sits on top of the HFAM.

So that you can visually see this correct screw-in depth, there is a marker on the rope of the rope loop. If the load handling device cannot be easily screwed into the HFAM, this reason must be checked by a competent fencer and eliminated before use.

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 breakage, damage to the thread, crushing, corrosion scars or kinks. Assessment at least once a year by an expert (UVV VBG 9a § 42).

Art.-No.	Thread	Loading step T Axial	Load level T inclined	Load Stage T Transverse Tension	Height Mm	Thread	PACK 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 sealing plug made of glass fibre reinforced concrete

Art.-No.	Ø D1 mm	Ø D3 mm	H1 mm	H2 mm	Weight kg	Pkgged unit	Price €/piece
HFAMV	49	44	9	25	0,040	100	5,76



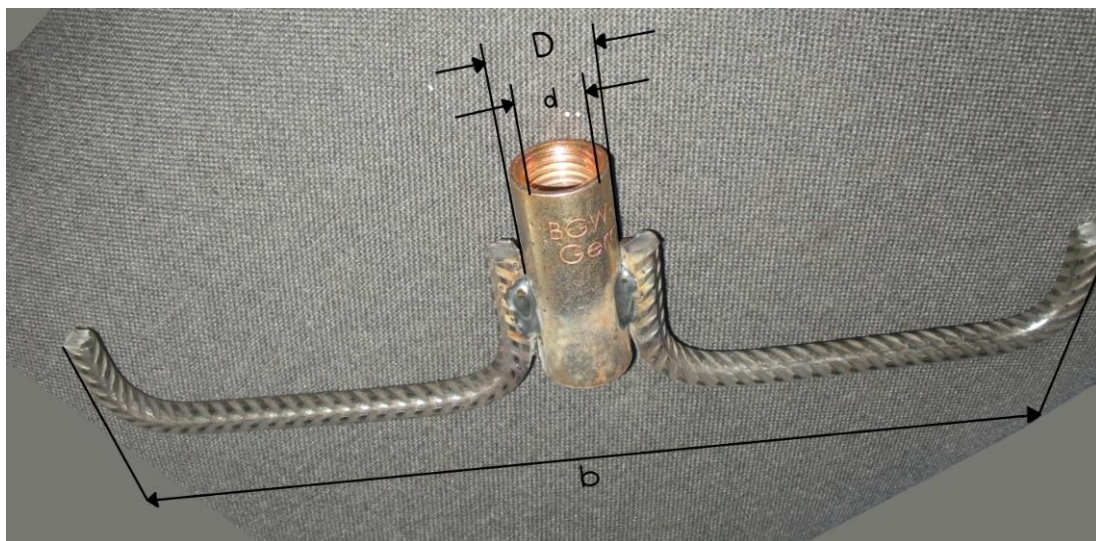
BGW Toggle Anchor

09/22(08/17)

BGW toggle anchors are transport anchors that are included in the reinforcement in precast concrete elements with a low overall height. Transport forces are thus absorbed by the reinforcement.



Art-No.	Load level t	Type d x h	D mm	Leg length mm w	Weight kg/piece	Price €/piece
05008-RD12	0,5	Rd 12 x 175	150	315	0,115	5,60
05008-RD14	0,8	Rd 14 x 200	180	320	0,200	6,50
05008-RD16	1,2	Rd 16 x 200	210	320	0,310	7,20
05008-RD18	1,6	Rd 18 x 250	240	325	0,350	8,00
05008-RD20	2,0	Rd 20 x 250	270	370	0,560	9,00
05008-RD24	2,5	Rd 24 x 300	310	370	0,580	10,40
05008-RD30	4,0	Rd 30 x 350	395	380	0,930	18,70
05008-RD36	6,3	Rd 36 x 400	470	430	1,490	25,50
05008-RD42	8,0	Rd 42 x 450	540	430	1,960	26,30
05008-RD52	12,5	Rd 52 x 500	672	500	3,720	62,30



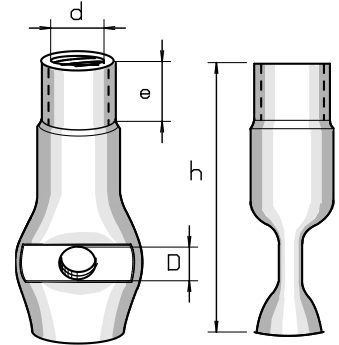
BGW eyelet sleeves (ÖSM) and Quickie – galvanized, V2A, V4A

12/21^(12/21)

Due **to its low intrinsic height and individual reinforcement options, the BGW eyelet sleeve** is suitable for fastening columns and struts and for absorbing axial forces. An M thread is cut into the galvanized (silver) or stainless steel sleeve, which should be greased before installation in the precast concrete element.

For fixation on steel formwork, **BGW magnets type HM4** are recommended. To prevent dirt and concrete from penetrating the thread of the sleeve, **plastic sealing plugs or retaining washers** are used.

For the static calculation, material S235 or 1.4301 can be assumed.



BGW eyelet sleeve (sleeve dowel) – galvanized

Art.-No.	Load level t	Type d x h	One-Screw depth max.	D Mm	Pkkg.-Unit 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	6	500	0,013	0,37
0703	0,20	M8 x 50	27	6	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-Hole10	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	400	0,054	0,60
0710-4	0,50	M12 x 100	60	10	100	0,060	0,63
0710-5	0,50	M12 x 120	75	10	100	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.hole	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 eyelet sleeve (sleeve dowel) – stainless steel V2A, V4A

Art.-No. V2A	Art.-No. V4A	Load-Level T	Type d x h	One-screw Depth max.	D Mm	Pkgg.-Unit 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	6	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	0738EE	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 eyelet sleeves (ÖSM) and Quickie – galvanized, V2A, V4A

12/21_(12/21)

BGW Quickie for Wood Screws

The BGW-Quickie is a plastic grouting dowel that is glued to the steel formwork and concreted in order to facilitate the fastening of the columns during the assembly of the precast concrete element. To attach the support to the Quickie, a wood screw Ø 12x70 mm is used, which is screwed into the Quickie with an electric screwdriver as far as it will go.

Art.-No.	Description	Weight kg/piece	P.-Unit /Piece	Price €/piece
5125	Quickie for wood screw □ 12 mm	0,030	500	1,10
5126	Quickie for wood screw, lightweight concrete – with 3 holes □ 7 for sewing	0,037	900	1,48



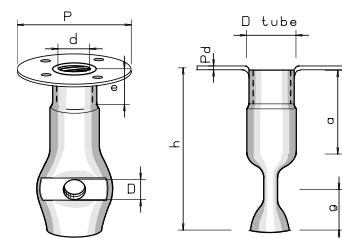
BGW Hexagon Wood Screw for Quickie

Art.-No.	Description	Type d x h Mm	P.-Unit /Piece	Price €/piece
56307	Wood screw DIN571, galvanized	M8 x 40	100	0,27
563071	Wood screw DIN571, galvanized	M 8 x 80	100	0,27
56934	Wood screw DIN571, galvanized	M10 x 60	100	0,27
56281	Wood screw DIN571, galvanized	M10 x 100	100	0,27
56273	Wood screw DIN571, galvanized	M12 x 70	100	0,27
561781	Wood screw DIN571, galvanized	M12 x 80	100	0,29
561782	Wood screw DIN571, galvanized	M12 x 100	100	0,32

BGW eyelet sleeve (ÖSM) with nail plate – galvanized, V2A, V4A

BGW eyelet sleeve with nail plate – galvanized

Art.-No.	Load level t	Type d x h Mm	d Sleeve Mm	One-screw depth max.	D Hole mm	P mm	Pd Mm	g Mm	Pkgg.-Unit 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 Eyelet Sleeve with Nail Plate – Stainless Steel V2A, V4A

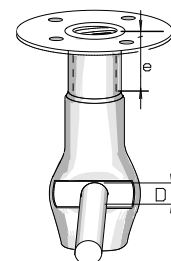
Art.-No. V2A	Art.-No. V4A	Load level t	Type d x h Mm	d Sleeve Mm	One-Screw depth max.	D Hole mm	P mm	Pd Mm	g Mm	Pkgg.-Unit Piece	Weight kg/piece	Price €/piece V2A	Price €/piece V4A
0702NPE	0702NPEE	0,20	M8 x 40	10,5	17	6,2	34	1-2	8	500	0,016	3,19	3,79
0707NPE	0707NPEE	0,35	M10 x 60	13,5	30	6,2	34	1-2	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	0,122E	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 sleeve (ÖSM) with nail plate and cross bar – galvanized, V2A, V4A

12/21 (12/21)

BGW eyelet sleeve with nail plate and crossbar – galvanized

Art.-No.	Load level t	Type d x h Mm	d Sleeve Mm	One-screw depth max.	D Hole mm	P m m	Pd Mm	g Mm	Pkgg.-Unit Piece	Weightk g/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

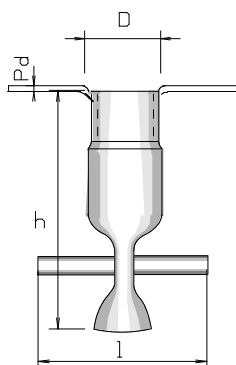


(Cross bar made of non-galvanized ribbed steel as standard – galvanized bar on request)

BGW Eyelet Sleeve with Nail Plate and Cross Bar – Stainless Steel V2A, V4A

Art.-No. V2A	Art.-No. V4A	Load level t	Type d x h Mm	d Sleeve Mm	One-screw depth max.	D Hole mm	P mm	Pd Mm	g Mm	Pkgg.-Unit Piece	Weight kg/piece	Price €/piece V2A	Price €/piece V4A
0769NPQ	0769NPQE	0,35	M10 x 45	13,5	15	6,2	34	1-2	12	500	0,044	6,08	7,26
0752NPQ	0752NPQE	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
0711P	0771PEE	0,50	M12 x 80	17,0	50	10,0	40	1-2	15	200	0,096	9,40	11,30
0758NPQ	0758NPQE	1,00	M16 x 80	21,3	40	12,2	44	1-2	22	150	0,137	14,90	17,84

(Cross bar made of non-galvanized ribbed steel as standard – if desired in stainless steel, please specify)

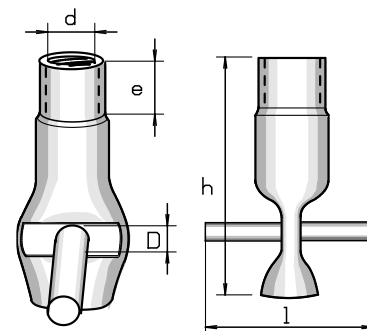


BGW eyelet sleeve (ÖSM) with cross bar – galvanized, V2A, V4A

04/24_(12/21)

BGW eyelet sleeve with cross bar – galvanized

Art.-No.	Load level t	Type d x h	One-Screw-Depth max.	Crossbar D x L Mm	Pkkg.-Unit 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
0758	1,00	M16 x 80	40	10 x 120	250	0,150	1,40
0760	1,00	M16 x 100	60	10 x 120	100	0,194	1,49
0759	1,00	M16 x 120	80	10 x 120	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



(Cross bar made of non-galvanized ribbed steel as standard – galvanized bar on request)

BGW Eyelet Sleeve with Cross Bar – Stainless Steel V2A, V4A

Art.-No. V2A	Art.-No. V4A	Load level t	Type d x h	One-Screw-Depth max.	Rung D x L Mm	Pkkg.-Unit 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

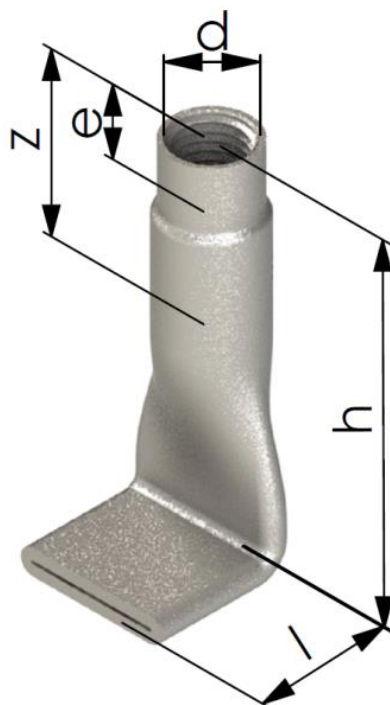
(Cross bar made of non-galvanized ribbed steel as standard – if desired in stainless steel, please specify)

BGW Eyelet Sleeve (ÖSM) Angled – Galvanized, V2A, V4A

02/24_(12/21)

BGW-Eyelet sleeve angled – galvanized

Art.-No.	Load level t	Type d x h	Thread Length e	Screw-in Depth max. z	l Mm	Pkg Unit Piece	Weight kg/piece	Price €/piece
0800	0,20	M8 x 30	8	15	26	500	0,014	0,72
0790	0,20	M8 x 35	8	15	26	500	0,018	0,75
0801	0,20	M8 x 50	8	25	26	500	0,019	0,78
0802	0,30	M10 x 35	10	15	27	500	0,030	0,84
0817	0,30	M10 x 45	10	15	27	250	0,050	0,89
08171	0,30	M10 x 60	10	30	27	250	0,050	0,94
0804	0,40	M12 x 45	13	25	27	250	0,050	0,91
0791	0,40	M12 x 55	13	25	27	250	0,050	0,93
0804-60	0,40	M12 x 60	13	35	27	250	0,060	0,95
0804-70	0,40	M12 x 70	13	35	27	250	0,070	1,05
0806	1,0	M16 x 60	16	30	38	100	0,080	1,03
0713-2	1,0	M16 x 70	16	35	38	150	0,090	1,05
0809	1,0	M16 x 80	16	40	38	100	0,110	1,06
0808	1,0	M16 x 90	16	45	38	100	0,120	1,13
0807	1,0	M16 x 100	16	50	38	100	0,155	1,19
0784	1,0	M16 x 250	16	190	38	50	0,290	1,44
0820	1,25	M20 x 70	20	35	38	100	0,170	1,61
0822	1,25	M20 x 100	20	50	38	100	0,190	1,66
0818	1,68	M24 x 80	24	30	44	50	0,325	1,88



BGW eyelet sleeve (ÖSM) with shaft end – galvanized, V2A, V4A

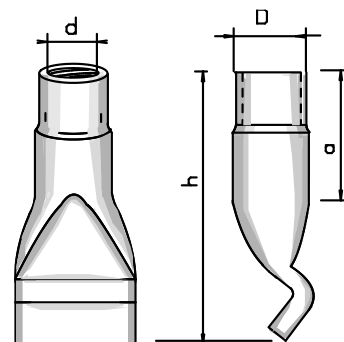
BGW Eyelet Sleeve Angled – Stainless Steel V2A, V4A

Art.-No. V2A	Art.-No. V4A	Load level t	Type d x h	Thread Length e	One-screw Depth max. z	l Mm	P.-Unit Piece	Weight kg/piece	Price €/piece V2A	Price €/piece V4A
0800E	0800EE	0,20	M8 x 30	8	15	26	500	0,017	2,59	3,07
0795	0795EE	0,30	M10 x 35	10	15	26	500	0,028	2,76	3,27
0804E	0804EE	0,40	M12 x 45	13	25	27	250	0,040	3,04	3,61
0810	0810EE	0,40	M12 x 70	13	35	27	250	0,070	3,60	4,28
0806E	0806EE	1,00	M16 x 60	16	30	38	100	0,100	4,35	5,18
0814	0814EE	1,00	M16 x 80	16	40	38	100	0,110	4,50	5,36
0816	0816EE	1,00	M16 x 100	16	50	38	100	0,130	5,15	6,14

12/21^(12/21)

BGW eyelet sleeve with shaft end - galvanized

Art.-No.	Load level t	Type d x h	Screw-Depth max.	P.-Unit Piece	Weight ka/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	57	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 Eyelet Sleeve with Shaft End – Stainless Steel V2A, V4A

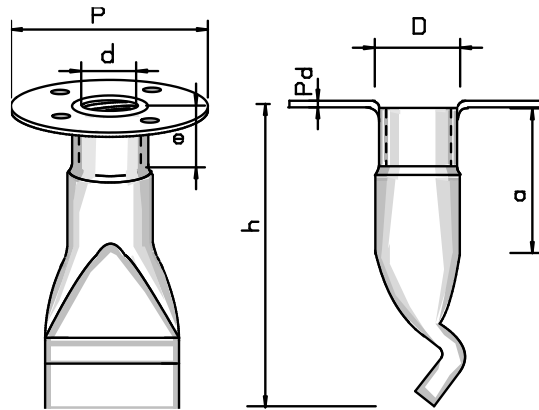
Art.-No. V2A	Art.-No. V4A	Load level t	Type d x h	One-screw depth max.	Pkg Unit Piece	Weight kg/piece	Price €/piece V2A	Price €/piece V4A
0701	0701EE	0,10	M6 x 40	17	500	0,010	0,99	1,15
0703WE	0703WEE	0,20	M8 x 50	20	500	0,020	1,12	1,30
0706WE	0706WEE	0,35	M10 x 60	30	500	0,030	1,23	1,44
0731WE	0731W	0,50	M12 x 60	30	500	0,048	1,51	1,77
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	0738WEE	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 Eyelet Sleeve with Nail Plate and Shaft End – Galvanized, V2A, V4A

04/24

BGW eyelet sleeve with nail plate and shaft end – galvanized

Art.-No.	Load level t	Type d x h Mm	d Sleeve Mm	One-screw depth max.	P mm	Pd Mm	g Mm	Pkkg.-Unit 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 Eyelet Sleeve with Nail Plate and Shaft End – Stainless Steel V2A, V4A

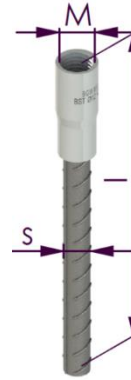
Art.-No. V2A	Art.-No. V4A	Load level t	Type d x h Mm	d Sleeve Mm	One-Screw-Depth max.	D Hole mm	P mm	Pd Mm	g Mm	Pkkg.-Unit Piece	Weight kg/piece	Price €/piece V2A	Price €/piece V4A
0705NPE	0705NPEE	0,20	M8 x 40	10,5	17	6,2	34	1-2	8	500	0,020	3,19	3,79
0706NPE	0706NPEE	0,35	M10 x 60	13,5	30	6,2	34	1-2	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 - reinforcing steel B500 B highly ductile (according to DIN 488)

06/18_(06/18)

Socket rod (nut)

Art.-No.	Rod 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):
Bend reinforcement connection:
0,75 € / Piece
Shorten reinforcement connection:
0,75 € / Piece

The lengths can be changed on request to suit your specific installation case

Test report socket rod:

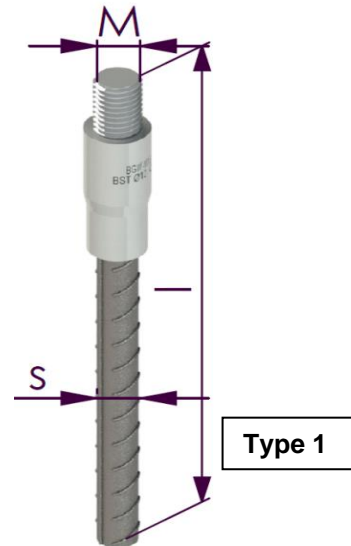
<https://www.bgw-bohr.de/pdf/PruefzeugnisBewehrungsanschluss.pdf>

Connecting Rod (Father) Type 1 Sleeve with Threaded Pin

Art.-No.	Rod 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

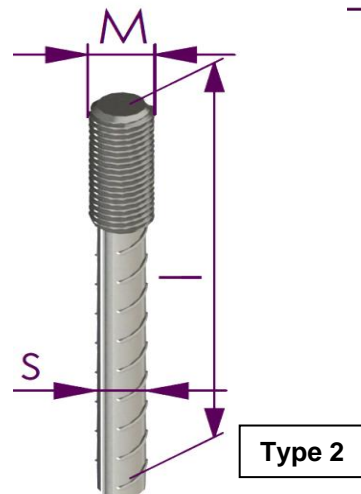
Reinforcing steel B500 B high ductile (according to DIN 488)

- Yield strength f_{yk} = at least 500 N/mm²
- Tensile strength = at least 550 N/mm²
- Suitable for backbending ability if the regulations of the DBV leaflet on backbending are observed



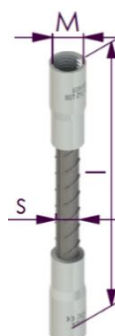
Connecting Rod (Father) Type 2 Forged

Art.-No.	Rod 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



Double socket rod

No.	Rod 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 connectors

No.	Rod 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

BGW reinforcement connection – special lengths reinforcing steel B500 B high ductile (according to DIN 488)

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Socket rod (nut) – special lengths

Art.-No.	Rod 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

Socket rod (nut) – special lengths

Art.-No.	Rod 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 Reinforcement Connection – Special Lengths

Reinforcing steel B500 B highly ductile (according to DIN 488)

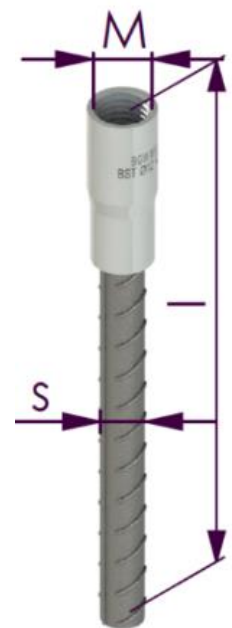
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Socket rod (nut) – special lengths

Art.-No.	Rod 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

Socket rod (nut) – special lengths

Art.-No.	Rod 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 Reinforcement Connection – Special Lengths

Reinforcing steel B500 B highly ductile (according to DIN 488)

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Socket rod (nut) bent – special lengths

Art.-No.	Rod 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

Socket rod (nut) bent – special lengths

Art.-No.	Rod 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	
7012-10	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 Reinforcement Connection – Special Lengths Reinforcing steel B500 B highly ductile (according to DIN 488)

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Connecting Rod (Father) Type 1 Sleeve with Threaded Pin – Special Lengths

Art.-No.	Rod 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

Art.-No.	Rod 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
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

Reinforcing steel B500 B highly ductile (according to DIN 488)

07/22(07/22)

Art.-No.	Rod 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

Art.-No.	Rod 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 Reinforcement Connection – Special Lengths

Reinforcing steel B500 B highly ductile (according to DIN 488)

07/22(07/22)

Connecting Rod (Father) Type 1 Sleeve with Threaded Pin – Special Lengths

Art.-No.	Rod 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

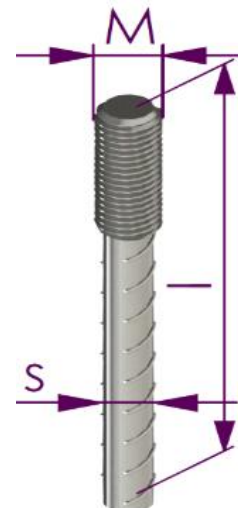


Connecting rod (father) type 2 forged – special lengths

Art.-No.	Rod 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

Connecting rod (father) bent – special lengths

Art.-No.	Rod 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



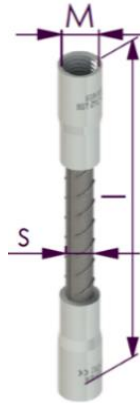
BGW Reinforcement Connection – Special Lengths

Reinforcing steel B500 B highly ductile (according to DIN 488)

07/22(07/22)

Double socket rod – special lengths

No.	Rod 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 rod with Rd thread – special lengths

No.	Rod 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

Hermaphrodite connectors

No.	Rod 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 Masonry, Crutch Stick and Liapo Anchors

09/06(04/17)

Masonry anchors

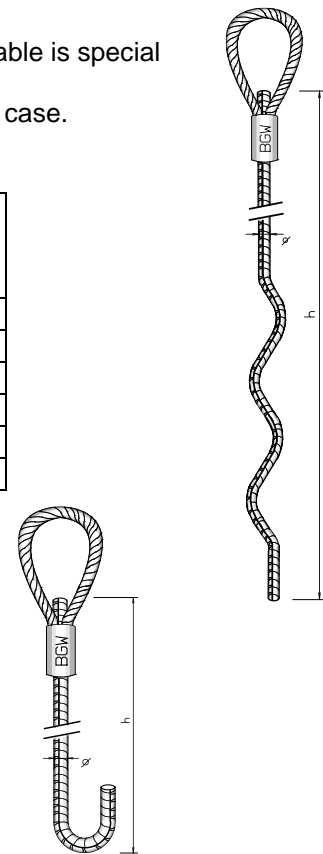
The material BST 500 S with pressed-on rope loop made of galvanized steel cable is special suitable for the transport of prefabricated masonry and Liapor products. The anchor lengths can be changed on request to suit your specific installation case.

Masonry anchor – corrugated version

Art.-No.	Loading step medical history	Height h Mm	Price €/piece	Weight Medical history
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 – "crutch" version

Art.-No.	Loading step medical history	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

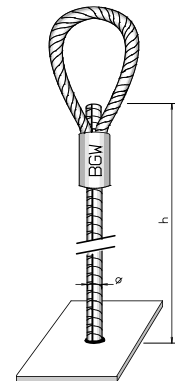


Liapo anchor with welded-on base plate for load support

The anchor lengths, as well as the size of the footplate, can be adjusted to their special can be modified. Other weld-on parts on request.

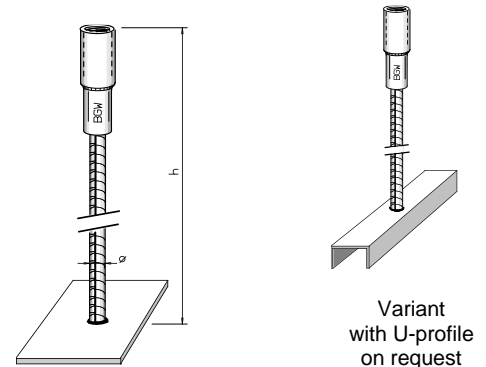
Liapo anchor with rope loop and welded-on footplate

Art.-No.	Loading step medical history	Height h Mm	Price €/piece
4760	1200	1000	on Inquiry
4762	1500	1000	
4764	2300	1000	
4766	3200	1000	
4768	4000	1000	



Liapo anchor with threaded sleeve and welded-on base plate

Art.-No.	Loading step medical history	Thread Rd	Height h Mm	Price €/piece
4720	1200	16	1000	on Inquiry
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

02/24_(02/24)

Installation description: System for transporting prefabricated brick walls, e.g. Rebloc

A hole of at least 25mm Ø is drilled into the brick on the front side, from the top center, to the middle of the lower brick.

Where the long, deep hole ends in the middle of the last, lowest brick, a hole Ø 45mm is drilled across the wall – this is how the connection to the hole from above is established.

In order to be able to transport the wall, the transport anchor rod with the pressed 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 eyelet-shaped in order to be able to insert the cross mandrel through. All transport anchor rods must be of the same length. The highest wall specifies the length of the transport anchor rod.

This mandrel is secured by both of them so that it cannot escape from the brick wall and thus from 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, in which a load handling device can then be screwed in.



Transport anchor

Art.-No.	Load level t	Length of transport anchor rod mm	Mat. BSt 500 Ø Transport Anchor Rod	Rope loop pressed on at the bottom Ø mm	Rope loop at the bottom and top mm	Threaded sleeve top Rd	Weight kg Piece	Packaging-unit 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 28mm complete with side hole for folding cotter pin

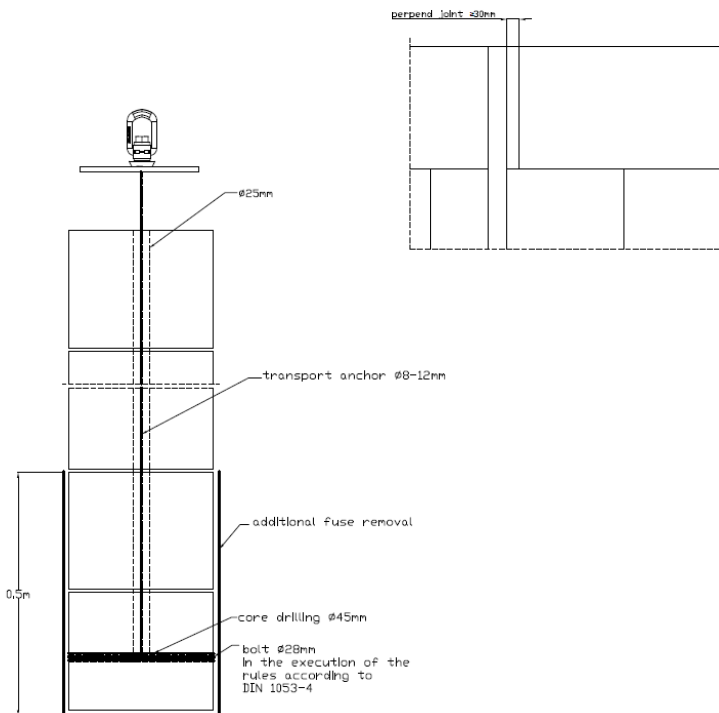
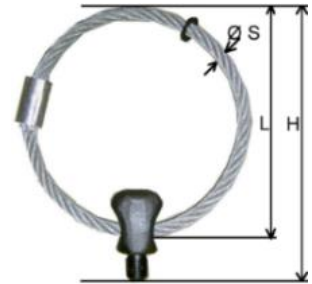
Art.-No.	Load group t	Effective length mm	Weight kg piece	Packaging-unit Piece	Price € Piece
4491	0,8 – 1,2	250	1,5	10	15
4492	0,8 – 1,2	350	2,0	10	16
4493	0,8 – 1,2	400	2,5	10	18
4494	0,8 – 1,2	450	2,7	10	19

Rope loops for screwing into the threaded sleeve

Art.-No.	Rd Thread	Rope Ø/mm	Color Data Ring	Load-Level T Axial	-45° Oblique pull	+45° -60° oblique pull	Weight medical history	Height Mm	Packing. Unit Piece	Price €/piece
0652	Rd14	7	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



Art.-No.	Rd Thread	Weight medical history	Color Data Ring	Load-Step t Axial	-45° Oblique -train	+45° -60° Oblique pull	Height H Mm	Ø S Rope Mm	Ø Auf-Locati on area a/mm	Ø L Mm	Packin g. Unit Piece	Price €/piece
0652G	Goliath Rd14	0,304	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

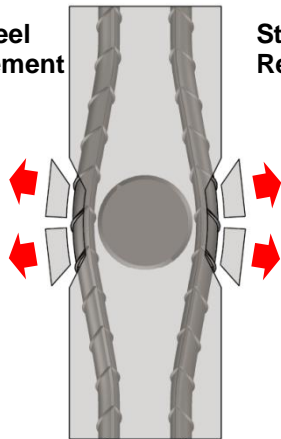


BGW-FBA Transport Anchors – Transport Anchors with Flat Steel Reinforcement for Thin Walls

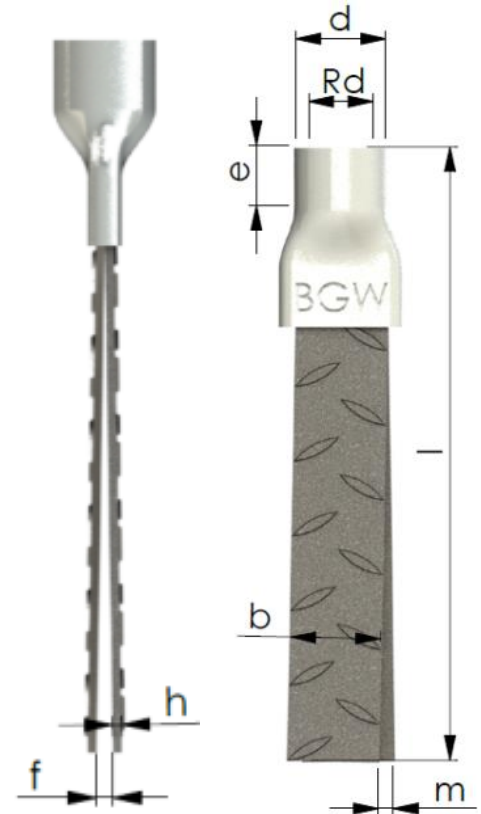
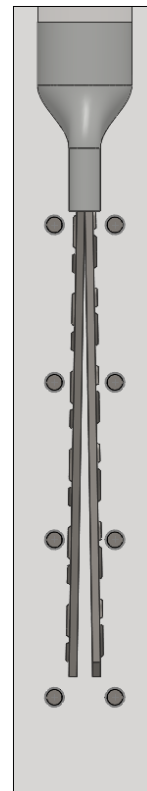
08/18(05/18)

The BGW-FBA transport anchor with flat steel reinforcement is particularly suitable where there is no more 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 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 covering, so that a permissible minimum concrete cover according to DIN EN 1992 must be complied with even with thin walls.

Round steel Reinforcement



Strap iron Reinforcement



The transport anchor consists of a threaded sleeve into which an associated load handling device is screwed, as well as the 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. As a result, a better distribution of force in the concrete is achieved 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.

In addition, there is better rust protection due to the higher concrete cover in the anchor area.

For secure anchoring in the concrete, the shape and surface finish of the flat steel reinforcement are decisive. Therefore, the surface of the flat steel reinforcement is corrugated. The shape of the flat steel reinforcement is conical towards the threaded sleeve.

Advantages:

- Compliance with permissible concrete cover for thin walls according to DIN EN 1992
- Higher load-bearing capacity due to larger contact area
- Greater safety during transport due to higher 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 quality must be at least C25/30. The direction of tension is axial (linear to the anchor).

Anchor spacing in concrete



BGW Transport Anchor with Flat Reinforcement Anchor FBA

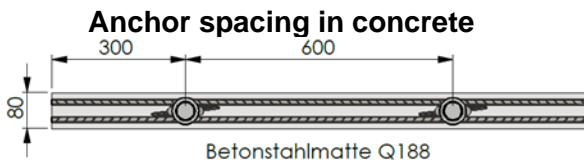
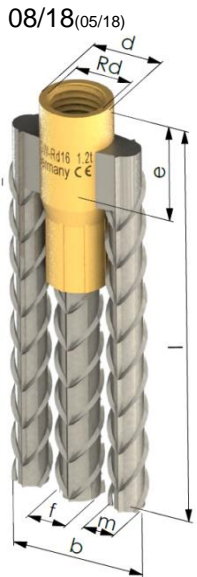
Art.-No.	Load Level [t]	Thread Rd	Thread length	Sleeve Ø	Length h	Strap iron Width w	Strap iron Thickness	Distance f/m[mm]	Weight medica	Price €/piece
0116FB	4	30	56	38	500	45	4	5	1,85	9,83
0120FB	6,3	36	69	48	650	56	5	5	3,80	16,67
0124FB	8	42	80	54	800	71	5	5	5,60	24,12

BGW bar anchors strengthened

Similar to BGW flat reinforcement anchors, the BGW bar anchor is particularly suitable for installation in thin concrete components.

In order to reach the steel load level of the transport anchor, additional, load-bearing reinforcing bars are welded to the side of the threaded sleeve with pressed-in reinforcement. By dividing the steel cross-section into several anchor rods, the anchoring area of the anchoring rods in the concrete is increased, which increases the load capacity with the same anchor width.

Before installation, the threaded sleeve should be closed with a sealing plug. The concrete quality must be at least C25/30. The direction of tension is axial (linear to the anchor).



BGW bar anchors strengthened

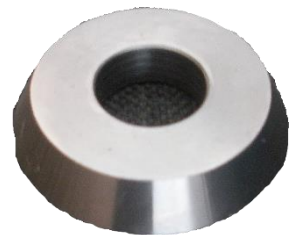
Art.-No.	Load Level [t]	Thread Rd	Thread length e [mm]	Sleeve Ø d [mm]	Length h [mm]	pressed-in middle Rod Ø f [mm]	welded outer Rod Ø m [mm]	Weight medical history	Price €/piece
0116V	4	30	56	38	500	14	12	2,20	10,20
0120V	6,3	36	69	48	650	16	12	3,40	16,20
0124V	8	42	80	54	800	20	14	5,60	24,30

BGW Spacers / Pressure Plate for Threaded Anchors

08/21_(08/21)

The purpose of this spacer is that the transport anchor is recessed into the concrete after stripping. The transport anchor is fastened from the outside with a screw that goes through the formwork and the spacer.

Art.-No.	Thread	Concrete-Coverage mm	Ø D1 mm	Ø D2 mm	Pkkg. unit 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

08/21^(08/21)

BGW Sleeve Ring Anchor - Ready-to-install transverse hole sleeve

The sleeve ring anchor is delivered ready for installation. The worker therefore does not have to bend any reinforcement, this responsibility has been taken away from him.

The fact that the sleeve ring anchor is supplied with the completely ready-to-install reinforcement means that the anchor costs can also be calculated.

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 pulling load on the thread is transferred over a large area into the component.



For fixation on steel formwork, BGW magnets type HM4 are recommended. To ensure the correct fit of the anchor when installed, BGW retaining washers or BGW recess bodies with marking must be used. To fix additional oblique tensile reinforcement, BGW data clips with lateral claws are used.

To prevent dirt and concrete from penetrating the thread of the sleeve, plastic sealing plugs or retaining washers are used.

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

For information:

The specifications of the metallic load capacity of BGW transverse sleeves were checked for the first time on 24.01.1990 by test report M-No. B 1031/89 LGA Bavaria.

Patent Application BGW Sleeve Ring Anchor:

https://www.bgw-bohr.de/Patentanmeldung_Huelseninganker.pdf

Photo documentation of the BGW sleeve ring anchor:

https://www.bgw-bohr.de/pdf/Bilddokumentation_Huelseninganker.pdf

Tensile tests were carried out in accordance with DIN 50145 and there was no change in the sleeve due to the tensile load, which was 4 times the nominal load. This is still monitored today through tests in the company's own laboratory.

BGW Sleeve Ring Anchor

Art.-No.	Load-Group T	Thread + height approx. mm	Ring Ø ca.	Ø BST Beweh	Wt 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



BGW Nail Plate – Retaining Discs

01/24 (03/21)

The BGW retaining washers are used to quickly attach our threaded anchors to wooden formwork. With the BGW plastic retaining washers, a concrete cover of the threaded anchors is achieved, depending on the threaded anchor size of 10 – 15 mm. By sealing the thread, the penetration of dirt into the thread of the threaded anchor is avoided during concreting.

BGW retaining washers are an important part of the BGW transport anchor system.

These BGW retaining washers are therefore made of dimensionally stable plastic, they are dimensionally stable and fit precisely for BGW lifters, locking screws, sealing discs made of glass fibre reinforced concrete.

If other non-BGW retaining washers are used, they will leave the system affiliation and the warranty for the complete threaded transport anchor system will be voided.

When used in winter, the plastic retaining discs should be lukewarm.

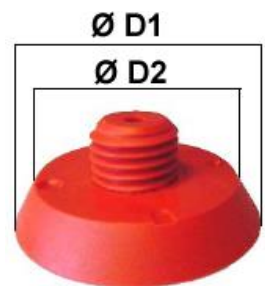
Operating instructions:

The retaining discs must be attached to the wooden formwork by means of these visible "nail holes" facing the retaining disc on the formwork side, this fastener could be nails or screws.

The hole in the retaining disc, which is not yet completely continuous, can be made ready for use with a drill or with a nail that has previously been blunt.

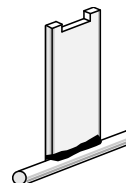
BGW retaining disc (nail plate) made of plastic

Art.-No.	Thread M/Rd	Concrete-Coverage mm	Ø D1 mm	Ø D2 mm	Pkgg. unit 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	1	0,022	1,20
09141	36	10	96	86	1	0,043	1,95
0916	42	12	96	86	1	0,046	1,95
0918	52	12	96	86	1	0,061	2,40



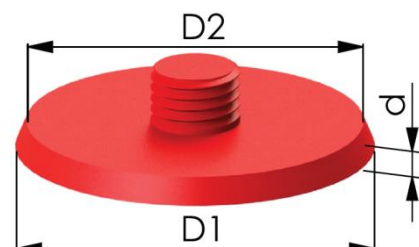
BGW wrench for retaining discs

Art.-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

Art.-No.	Thread	Concrete-Cover D mm	Ø D1 mm	Ø D2 mm	Pkgg. unit Piece	Weight medical history/ 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 – retaining washer conical to match the BGW transport anchor system, 06/21 (03/21) as well as for attaching Shibata Fender anchors to the formwork

With welded-in threaded pin for Allen key Ø10 mm.
The threaded pin is movable detached from the retaining washer.
With other dimensions and threads on request.



Art.- No.	Loading step t	Thread Mm	Ø D1 Mm	Ø D2 Mm	Height Mm	Weight medical history	Pkkg.-unit 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 retaining disc magnetic – retaining washer conical to match the BGW transport anchor system, as well as for attaching Shibata Fender anchors to the formwork

With welded-in threaded pin for Allen key Ø10 mm.
The threaded pin is movable detached from the retaining washer.
A neodymium magnet system, protected from vibrations, is cast into the plastic polyurethane.
With other dimensions and threads on request.

Art.- No.	Loading step t	Thread Mm	Ø D1 Mm	Ø D2 Mm	Adhesive force medical history	Height Mm	Weight medical history	Pkkg.-unit 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

BGW Nail Plate – Holding Disc Slanted made of polyurethane, with fixed threaded pin, for screwing on threaded anchors

05/21_(05/21)

The retaining pulley is screwed into the threaded anchor, with data carrier, until it sits on the front side of the threaded anchor and then attached to the wooden formwork in the desired position by means of glue, nails or screws.

The main feature of this retaining disc is that it is slanted on the side facing the formwork and thus lies flat against the formwork when the threaded anchor is installed "at an angle" – meaning in the direction of tension – into the concrete part.

This retaining disc prevents the liquid concrete from penetrating the greased thread.

This is achieved by the fact that even if the threaded anchor is installed "at an angle" in the concrete part, it can be attached to the formwork at an "angle".

Art.- No.	Wt. Ø Mm	Oblique degrees approx.	Ø D1 Mm	Ø D2 Mm	Pkkg.-unit Piece	Price €/piece
0904PSS	12	15°	40	30	100	3,10
0906PSS	16	15°	40	30	100	3,10
0908PSS	20	15°	55	45	100	3,50
0910PSS	24	15°	55	45	100	3,50
0912PSS	30	15°	70	60	50	4,60
0914PSS	36	15°	70	60	50	4,60
0916PSS	42	15°	95	85	20	6,90
0918PSS	52	15°	95	85	20	6,90



In the table, 15° slanted retaining discs are offered, but any other bevel is also possible.

BGW-Holding disc slanted

05/21^(05/21)

**with threaded pins separated from the retaining washer,
Threaded steel pin welded into the polyurethane retaining washer**

The threaded pin, which is separated from the retaining washer, is screwed onto the threaded anchor with a 10mm Allen wrench.

Art.- No.	Wt. Ø Mm	Oblique degrees approx.	Ø D1 Mm	Ø D2 Mm	Pkgg. unit Piece	Price €/piece
0905PSG	16	15°	40	30	1	9,80
0906PSG	16	15°	55	45	1	10,50
0908PSG	20	15°	55	45	1	10,50
0910PSG	24	15°	55	45	1	10,50
0912PSG	30	15°	70	60	1	10,60
0914PSG	36	15°	70	60	1	10,60
0916PSG	42	15°	95	85	1	12,90
0918PSG	52	15°	95	85	1	12,90



BGW Nail Plate – Holding Disc Inclined with Magnets

05/21^(04 /21)

made of plastic with inserted magnets

The retaining pulley is screwed into the threaded anchor, with data carrier, until it sits on the front side of the threaded anchor and then attached to the formwork in the desired position.

The main feature of this retaining disc is that it is slanted on the side facing the formwork and thus lies flat against the formwork when the threaded anchor is installed "at an angle" – meaning in the direction of tension – into the concrete part.

This retaining disc prevents the liquid concrete from penetrating the greased thread.

This is achieved by the fact that even if the threaded anchor is installed "at an angle" in the concrete part, it can be attached to the formwork at an "angle".

Art.- No.	Wt. Ø Mm	Oblique degrees approx.	Ø D1 Mm	Ø D2 Mm	Adhesive force medical history	Weight medical history	Pkgged unit Piece	Price €/piece
0904PSM	12	15°	40	30	30	0,160	1	115
0905PSM	16	15°	40	30	40	0,170	1	120
0906PSM	16	15°	55	45	40	0,180	1	125
0908PSM	20	15°	55	45	40	0,190	1	135
0910PSM	24	15°	55	45	40	0,200	1	145
0912PSM	30	15°	70	60	60	0,250	1	155
0914PSM	36	15°	70	60	60	0,300	1	170
0916PSM	42	15°	96	86	80	0,360	1	190
0920PSM	52	15°	96	86	80	0,520	1	230



In the table, 15° slanted retaining discs are

offered, but any other bevel is also possible.



BGW retaining washers with central thread, magnetic, for fixing threaded anchors

11/23^(11/23)

BGW magnetic holder type HM4 with internal thread for screwing a threaded screw into the galvanized steel disc, which is provided with built-in magnets. It is also used to fix threaded anchors.



Art.-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 sealing washer, screws made of stainless steel

06/21^(10/19)

BGW sealing disc made of stainless steel

For retaining washers, alternatively any Ø for gluing (fastening by means of silicone)

Art.-No.	Concrete-Coverage mm	Ø D1 mm	Price €/ piece
0911	2	46	8,00
09111	2	53	8,00



BGW plug screw made of stainless steel (valve surface) f. Retaining washers made of plastic, for HM4

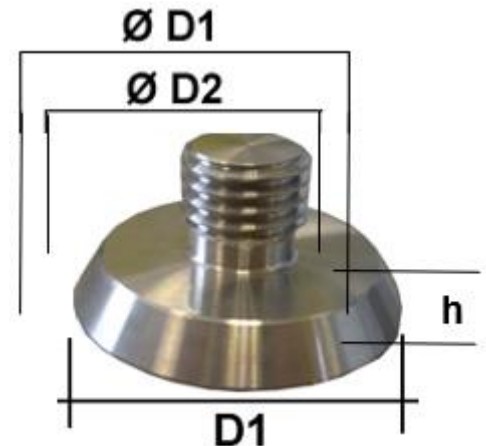
The plug screws are fitted as standard, for safety reasons, on the visible side without openings for attaching a tool supplied. On the thread side, before screwing in, closing the recess in the concrete, on the inside on the slope of the Silicone final screw applied.

The siliconized plug screw can be used with the flat of the hand, better but with a protruding over the Ø of the plug screw

Magnets, screwed flush into the concrete surface in the opening become.

This installation of the plug screw prevents

Stainless steel locking screws can be disassembled. If there is no slots or holes on the surface of the plug screw, then these components also look nicer.



You can also order these plug screws with openings for attaching a tool of your choice.

Slot, Allen – the additional price is 6,80€/piece.

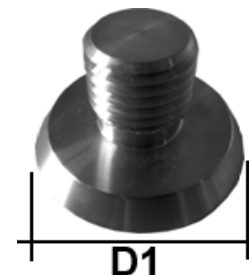
Art.-No.	Thread M/Rd	Ø D1 mm	Ø D2 mm	Price €/piece
0901-EN	10	39,0	29,0	21,30
0900-VE	12	39,0	29,0	21,40
0903-EN	14	39,0	29,0	21,60
0904-EN	16	54,0	44,0	22,80
0905-EN	18	54,0	44,0	30,20
0908-EN	20	54,0	44,0	30,25
0910-EN	24	54,0	44,0	38,55
0912-EN	30	69,0	59,0	46,85
0914-EN	36	69,0	59,0	54,00
0916-VE	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
0900-20-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



BGW Stainless Steel Locking Screw for HM4

BGW plug screw for centering screw stainless steel

Art.-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 Sealing Washers –](#)

BGW retaining plug for conduits

09/21 (09/21)

BGW retaining plug, fixation for conduits

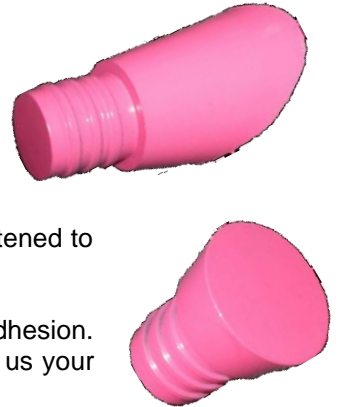
In order to avoid unnecessary, expensive work such as cutting slots on the construction site, the empty conduits for supply lines such as electrical cables are already provided in the components of the precast concrete plant.

In order for these conduits to be at the planned point in the component during concreting, these conduits must firstly be sealed against overflowing with concrete and secondly fastened to the formwork.

We prohibit the possibility of closing with the sealing plug on the retaining disc.

We offer the sealing plug for nailing, gluing and also for steel formwork with magnets for adhesion.

We can produce this for every make, every application and also for every Ø - just send us your questions and sketches.



No.	Nominal diameter empty conduit Mm	Ø Spigot Mm	Straight 90°	Inclined 45°	Spigot Length mm	Length Complete mm	Without magnet	With magnet	Weight kg/piece	Price €/piece
HM141590	15	15	yes		20	30	yes			20
HM141545	15	15		yes	20	63	yes			25
HM141590M	15	15	yes		20	30		yes		45
HM141545M	15	15		yes	20	66		yes		50
HM142090	20	20	yes		20	34	yes			22
HM142045	20	20		yes	20	70	yes			28
HM142090M	20	20	yes		20	34		yes		50
HM142045M	20	20		yes	20	70		yes		55
HM142590	25	25	yes		15	42	yes			28
HM142545	25	25		yes	15	68	yes			35
HM142590M	25	25	yes		15	42		yes		58
HM142545M	25	25		yes	15	68		yes		63
HM143290	32	32	yes		15	50	yes			36
HM143245	32	32		yes	15	80	yes			42
HM143290M	32	32	yes		15	50		yes		68
HM143245M	32	32		yes	15	80		yes		76



BGW retaining plugs, tear-off plugs

09/21 (09/21)

a product taken over from mechanical engineering, for concealed installation, for staking out threaded sleeves, thread transport anchors, sleeve dowels, eyelet sleeves

The threaded parts, which are concealed in the structure, must be unscrewed on the threaded pin. The threaded parts with the retaining plug are then pressed into the stake-out holes of the formwork. These must be firmly fixed in the holes so that they cannot be lost during concreting. These retaining plugs with the threaded sleeves can be used, for example, when shuttering doors in prefabricated garages. When the concrete has hardened, the formwork frame is pushed out of the concrete opening or hammered. The retaining plug tears off at the weak point of the retaining plug. The formwork frame can be removed. The threaded part for attaching the built-in or add-on parts remains protected from dirt until the garage door, railing, etc. is installed.

No.	Spigot Ø mm	Wt.Ø	Weight kg/piece	Pkg Unit	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 Plug

06/23 (06/23)

The data plug is placed on the threaded sleeve to protect the thread from contamination so that it closes the thread. No water, dirt, etc. can penetrate the thread. The threaded anchor sealed in this way is installed flush with the upper edge of the liquid concrete.

In order to use the threaded anchor for transport, the data plug is opened at the predetermined breaking point by means of a tool and the broken protective pane is removed from the thread. A sling can now be screwed into the clean thread. The open data plug can be closed again with a sealing plug after transport. On the data plug is the manufacturer, the armature type, as well as the load level.



Art.-No.	Thread Rd	Ø D1 mm	Pkgged unit	Price €/piece
0990	16	30	500	0,18

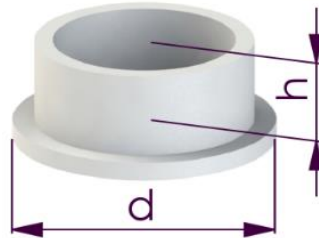
BGW Sealing Plug (VS)

12/21_(12/21)

BGW sealing plug (VS) for press-in

BGW-Sealing plugs are used to seal our transport anchors to prevent the threads from getting dirty. (Packaging unit: 1,000 pieces)

Art.-No.	Thread M/Rd	d	h	Price/€ 1000 piece
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	24,6	9	120,00
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 plug (VS) for screwing, for permanent sealing of the threads of the threaded transport anchors

Art.-No.	Thread Rd	A Mm	B Mm	C Mm	Weight medical history	Pkged unit	Price/€ 1000pcs
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 retaining plug made of plastic

for recessed installation of threaded anchors for higher corrosion protection or higher concrete cover

Art.-No.	Thread M	Concrete-cover d mm	Ø D1 mm	Pkkg.-unit	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 Sealing Plug (VS)

06/21^(12/21)

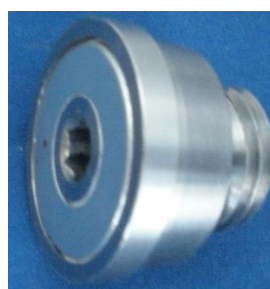
BGW Sealing Plug (VS) for Slotted Stainless Steel Retaining Plugs

Art.-No.	Thread M	Concrete-cover d mm	Ø D1 mm	Weight medical history	Pkkg.-unit	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

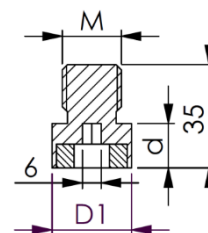


BGW retaining plug made of steel, magnetic, galvanized (for Allen wrench SW 6)

For the recessed installation of threaded anchors for higher Corrosion protection or higher concrete coverage



Art.-No.	Thread M	Concrete-cover d mm	Ø D1 mm	Allen mm	Weight medical history	Adhesion force kg	Pkkg.-unit	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 sealing plug for gluing

Art.-No.	Ø D1 mm	H1 mm	Ø D2 mm	H2 mm	Ø D3 mm	Pkkg.-unit	Price €/piece	For Art.-No:
56640V	26,5	14,5			25,5	100	3,20	56601/56611/56621/56631
56641V	48	6	24,5	30	47	100		56641

BGW Die / Casting Template for sealing discs

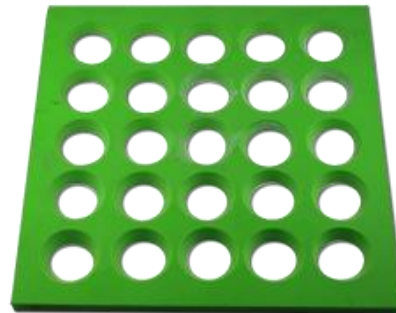
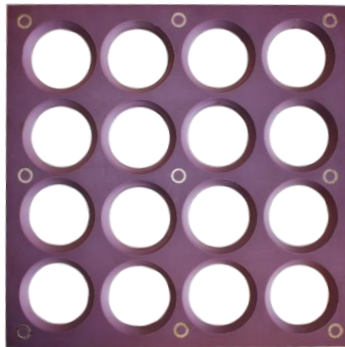
09/21^(09/21)

BGW casting dies, for the production of sealing discs for the recesses of the retaining discs, the recess bodies for the ball-head anchors, as well as the expansion anchors.

These polyurethane casting dies are supplied in 2 versions. Without built-in magnets and with built-in magnets.

Through the built-in magnets, the casting die is pulled onto the steel formwork base so that the cement glue cannot flow off under the casting template, which then floats up, when the casting template is filled.

The casting template without built-in magnets must be weighted down to prevent it from floating when filling the casting template. The closure discs produced in this way do not have any bleeding edges.



Die for the recess of BGW retaining washers (threaded anchors)

Kind.- No.	Thread M/Rd	Ø D1 Mm	Ø D2 Mm	Nests	Execution	Price €/piece
090	10/12/14	40	30	25	without magnet	140,00
090M	10/12/14	40	30	25	with magnets	220,00
089	12/14/16/18	50	45	16	without magnet	140,00
089M	12/14/16/18	50	45	16	with magnets	220,00
091	16/18/20/24	55	45	16	without magnet	140,00
091M	16/18/20/24	55	45	16	with magnets	220,00
099	16	58,2	53,7	16	without magnet	140,00
099M	16	58,2	53,7	16	with magnets	220,00
092	30/36	70	60	16	without magnet	140,00
092M	30/36	70	60	16	with magnets	220,00
093	42/52	96	86	9	without magnet	140,00
093M	42/52	96	86	9	with magnets	220,00



Die for the recess of ball-head armatures

Kind.- No.	Capstan lifter	Ø D1 Mm	Ø D2 Mm	Nests	Execution	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
09015M	32	215	203	1	with magnets	180,00

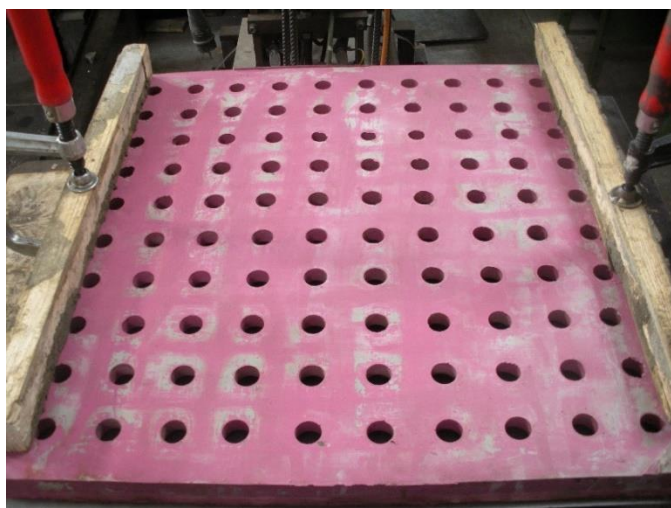
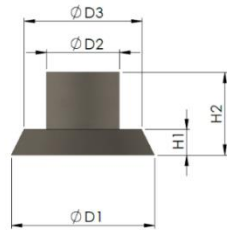


BGW Die / Casting Template for sealing discs

09/21^(09/21)

Casting die for sealing plugs/discs

Art.-No.	Ø D1 mm	Ø D2 mm	Ø D3 Mm	H1 Mm	Nests	Execution	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 mould for sealing disc Ø 68 mm for recess body (ASK) for recessed installation

04/24 (04/24)

BGW recess system for recessed installation of threaded transport anchors and to close the recess

BGW die / casting template for sealing discs:

for the production of sealing discs, retaining washers and recess bodies for recessed transport anchor installation.

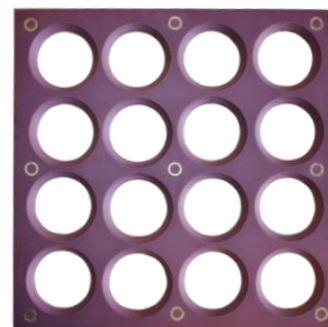
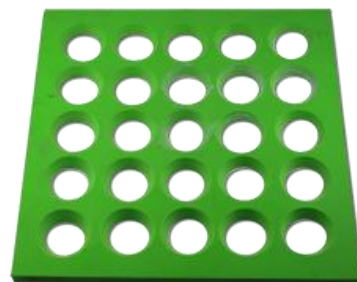
These polyurethane casting dies are supplied in 2 versions. Without built-in magnets and with built-in magnets.

Through the built-in magnets, the casting die is pulled onto the steel formwork base in a sealing manner so that the cement glue cannot flow under the casting template when filling the casting template, which then floats up, which means that the edges of the sealing discs are not sharp-edged.

The casting template without built-in magnets must be weighted down to prevent it from floating when filling the casting template. The closure discs produced with this process have no bleeding edges and are sharp-edged all around.

Die for sealing disc for ASK recessed installation

Kind.-No.	Threaded anchors Ø	Ø D1 Mm	Ø D2 Mm	Starch	Nests	Execution	Quantity Piece	Price €/piece
13671	20 + 24	68	59	10	16	Without magnets	1	160
13671	20+24	68	59	10	16	With magnets	1	260



BGW glass fibre reinforced concrete cover for recesses

Art.-No.	Thread	Ø 70 / thickness mm	Weight kg/piece	Verp. Einh.	Price €/piece
13672	M20	70 / 10	0,056	100	22€
13672	M24	70 / 10	0,056	100	22€



BGW sealing discs/plugs made of glass fibre reinforced concrete

02/22(02/22)

Any shape and any Ø can be made according to a sample or sketch. Just feel free to ask!

The glass-fibre-reinforced sealing pane in exposed concrete quality is glued into the recess of the BGW retaining pane and thus sealed. Locking discs are also available for all HM4 magnets.

BGW sealing washer for recess of BGW retaining washers (threaded anchors)

Kind.- No.	Thread M/Rd	Ø D1 Mm	Ø D2 Mm	Height Mm	Weight Kg/Piece	Pkkgg.- unit	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
Phone 0900-12-B	12	49,5	45	9	0,039	100	3,76
Phone 0900-14-B	14	54,5	50	9	0,048	100	4,56
Phone 0900-16-B	16	58,2	53,7	9	0,055	100	5,44
Phone 0900-18-B	18	61,5	57	9	0,062	100	6,00
Phone 0900-20-B	20	72,5	68	9	0,087	100	7,68
Phone 0900-24-B	24	77,2	72,7	9	0,099	100	9,20
Phone 0900-30-B	30	93,2	88,7	9	0,146	100	13,36
Phone 0900-36-B	36	104,2	99,7	9	0,183	100	16,64
Phone 0900-42-B	42	114,3	109,8	9	0,222	100	19,92
Phone 0900-52-B	52	134,3	129,8	9	0,308	100	27,52



BGW sealing disc for the recess of ball-head armatures

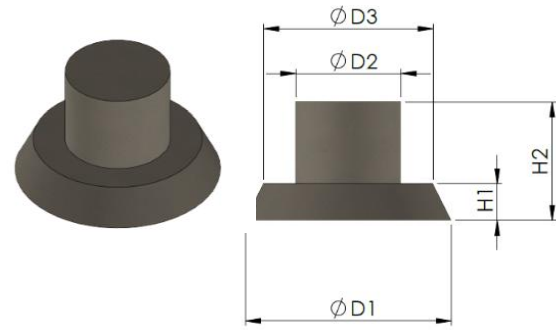
BGW sealing discs in fair-faced concrete quality are glued into the recess of BGW ball-head anchors and thus sealed. The adhesive surfaces must be cleaned with primer. Care must be taken to ensure that adhesive material has been applied to the edge of the recess and also to the entire Ø of the anchor head in sufficient thickness so that the sealing disc rests entirely on the anchor head, that the locking disc does not lie hollow and sits or rests on the edge of the recess.

Kind.- No.	Capstan lifter	Ø D1 Mm	Ø D2 Mm	Weight kg/pc	Pkkgged unit	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 sealing plug made of glass fibre reinforced concrete wall spacers, Sealing cones, exposed concrete cones

Art.-No.	Ø D1 Mm	Ø D2 Mm	Ø D3 Mm	H1 Mm	H2 Mm	Weight medical history	Pkgg.-unit	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 sealing plug made of glass fibre reinforced concrete for wall spacers

Sealing disc and sealing plug for transport anchors and spacers
System slotted tube, closing disc for openings inclined sprouts M12, M16, M20
Transport anchor recessed installation HFAM M12, M16, M20



Art.-No.	Ø D1 Mm	Ø D3 Mm	H1 Mm	H2 Mm	Weight medical history	Pkgg.-unit	Price €/piece
HFAMVKK	25	21	9	28		100	
HFAMVK	25	22	9	22	0,025	100	4,25
HFAMV	49	44	9	25	0,040	100	5,76

Concrete sealing plug for gluing

Art.-No.	Ø D1 mm	H1 mm	Ø D2 mm	H2 mm	Ø D3 mm	Pkgg.-unit	Price €/piece	For Art.-No:
56640V	26,5	14,5			25,5	100	3,20	56601/56611/56621/56631
56641V	48	6	24,5	30	47	100		56641

Installation instructions at:
[Installation Instructions for Sealing Washers – Sealing Screws](#)
 - Closure plate (search via Ctrl + F)

Installation instructions for sealing discs – sealing screws – sealing discs – concrete sealing discs

10/21 (10/21)

What needs to be considered so that a recess, for example a transport anchor, not only looks permanently sealed, but also visually perfect?

It starts with the installation of anchors – no warped, oval or softened recesses may be concreted in, only perfect recesses may be set in concrete.

If this mistake is made during installation, it cannot be repaired.

The sealing disc is kept in the recess to be sealed, roughened with a wire brush, in order to check whether it fits the size and the concrete color.

The recess must be absolutely clean and dry before installing the sealing disc, the sealing body. The edges of the recess and the sealing disc must be brushed completely and conscientiously with the system-specific primer.

During the drying time of the primer, it must be ensured that no dust or the like contaminates the adhesive surfaces.

Both edges, the edge of the recess and the edge of the sealing disc, must be applied with a sufficient amount of adhesive from the cartridge, but not too much, using the cartridge press.

The sealing pane is carefully pressed into the recess to be closed until it is flush with the concrete surface of the concrete part.

The glue protrusion is moistened with a little soapy water from the spray bottle and then scraped off with a spatula.

Required accessories:

Kind. No.	Material	Quantity	Weight g/piece	Price €/piece
	Wire brush	1	100	10
80437	Cartridge Press	1	550	18
803503	Cartridge Glue	1	500	25
803504	Primer	1	125	15
	Brush	1	100	12
	Spatula	1	120	12
	Spray bottle with soap	1	300	10



The pictures only show similar products, not the ones that are delivered.



Marking of threaded transport anchors

09/22(02/17)

BGW Data Ring

BGW data rings are used to identify threaded transport anchors after installation (see **BGR 106 safety rules**). The **BGW** data ring is made of different coloured plastic. The colour of the **BGW** data ring for the threaded anchor transport anchor is the same as the colour coding of the load handling device (rope loop).

Installation and use instructions:

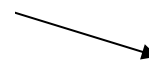
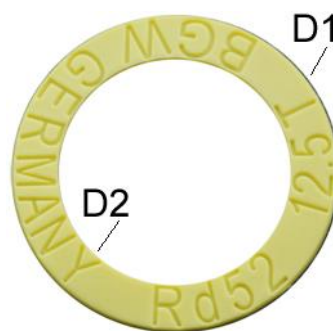
The **BGW data ring is an important component of the BGW thread transport anchor system and is used to mark threaded transport anchors according to the**

Installation. The data ring, which is conical in the outer \emptyset , is placed between the transport anchor and the retaining disc. The retaining disc fixes the transport anchor during the concreting process. It can be made of plastic or steel, or it can be magnetic. When setting in concrete, the lettering of the data ring must point to the retaining disc. The retaining disc and the data ring are firmly screwed to the anchor. After the precast concrete element has been stripped and the retaining disc has been removed, the technical values of the concrete-embedded transport anchor are clearly legible on the data ring.

After the concrete component has been assembled, 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 every load level

Art.-No.	Thread M/Rd	Color	D1/ Mm	D2/ Mm	Weight kg/100 pcs.	VE Piece	Price €/ 100 pcs.
56951	12	Pastel orange	21	12	0,04	100	10,00
56953	14	White	25	14	0,05	100	11,00
56954	16	Fire-red	27	17	0,06	100	12,00
56955	18	Light pink	31	19	0,08	100	12,00
56956	20	White-green	33	21	0,10	100	13,00
56957	24	Anthracite Grey	38	26	0,12	100	20,00
56958	30	Emerald green	48	32	0,17	100	24,00
56959	36	Light Blue	54	38	0,22	100	31,00
56971	42	Silver-grey	59	44	0,27	100	43,00
56972	52	Sulfur yellow	76	54	0,44	100	84,00



Marking of threaded transport anchors

02/11^(02/11)

BGW Data Clip

BGW data clips are used to clearly identify the anchor type, load level and manufacturer of threaded transport anchors according to the safety rules of BGR 106. The BGW data clip is made of different colored plastic. The colour of the BGW data clip for the threaded anchor transport anchor is the same as the colour coding of the load handling device. Furthermore, the data clip shows the diameter that the oblique tensile reinforcement must have in order to be fixed.

Installation and use instructions:

The BGW data clip is an important part of the BGW threaded transport anchor system and is used to identify threaded transport anchors after installation. The data clip is pressed onto the sleeve of the transport anchor. The retaining disc fixes the transport anchor during the concreting process. The retaining disc and the data clip are firmly screwed to the anchor. After the precast concrete element has been stripped and the retaining disc has been removed, the technical values of the concrete-embedded transport anchor are clearly legible on the data clip. The open claws of the BGW data clip are used to attach steel reinforcements to the transport anchor. For this purpose, the oblique tensile reinforcement in the lateral retaining claws is easily attached to the transport anchor sleeve without much time. To prevent it from tipping over, the inclined tensile reinforcement should be fixed at the free end. The same applies to transverse tensile reinforcement. This prevents the reinforcement from drifting sideways.



Kind.-No.	Anchoring Type	Ø Bst. 500S Mm	Color	Loading step t	Weight Kg / Packaging Unit	Pkkg. Unit	Price EUR / 100pcs
569511	Rd12	6	Pastel orange	0,5	0,12	100	15,00
569531	Rd14	6	White	0,8	0,15	100	16,00
569541	RD16	8	Fire-red	1,2	0,18	100	18,00
569551	Rd18	8	Light pink	1,6	0,31	100	18,00
569561	Rd20	8	White-green	2,0	0,33	100	20,00
569571	RD24	10	Anthracite Grey	2,5	0,36	100	30,00
569581	RD30	12	Emerald green	4,0	0,87	100	34,00
569591	Rd36	14	Light Blue	6,3	1,20	100	45,00
569711	Rd42	16	Silver-grey	8,0	1,35	100	65,00
569721	Rd52	20	Sulfur yellow	12,5	2,25	100	115,00

BGW universal lifter U1 = stop swivel and U2 = load bracket for threaded anchors – For inclined and transverse pull

12/21^(05/21)

Our BGW U1 and U2 universal lifters for our BGW threaded transport anchors have some crucial useful features. The particularly distinguishing advantages are convenient, time-saving and energy-saving 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 lifters of the U1 and U2 series, from thread 12 mm to thread 42 mm, have the same tool holder, the Allen key 10 mm, for screwing the lifter into the threaded transport anchor. This is a great advantage in the precast plant and even more so during loading and on the construction site during the assembly of the components.

The universal lifters U1 and U2 can be attached to the threaded transport anchor in the component in the precast plant and during assembly by means of a screwdriver (cordless screwdriver). The machine screws a U1 or U2 universal lifter into the built-in threaded anchor 6 times faster than a worker can screw a rope loop or swivel into the threaded transport anchor by hand. The same is the case again when turning it off. It's almost as fast as using a clutch system. Striking by means of the machine also relieves the worker's arm joints. The machines and the bags for the machines can be purchased from us.

This saves a lot of time and saves nerves if the thread in the transporter has been damaged or dirty, or if ice and snow have clogged the thread flanks, so that the thread is no longer common and needs to be reworked.

The threaded part of the U1N and U2N universal lifters is shaped like a thread cutter. When the universal lifter is screwed in, the damaged, dirty thread is made passable at the same time. The reworking of the thread can be done virtually free of charge by this universal lifter in one operation.

For this reason, the threaded part of the U1N and U2N universal lifters would have to be kept wet with thread cutting oil. You can get this special oil from us. If the threaded part of the universal lifter is damaged, we will rework it for you.

On construction sites, the problem often arises that the components come from different productions and each production may have used different recess bodies to attach the threaded transport anchors during installation. As a result, it can happen that the pressure plates, these spacers of the lifters, do not fit into the existing recesses because they are too large or too small. The pressure plates of the universal lifters are interchangeable and can always be adapted to the recess of the nail plate, holding disc, etc. used. This ensures that the lifter is screwed onto the threaded anchor in a force-fit manner, always has the correct support on the component during inclined and transverse pulling, and that the thread is always screwed deep enough into the threaded transport anchor. The printing plates can be purchased from us according to measurements.

Security:

The lifter must always sit flat, at right angles on the threaded anchor and at right angles on the concrete. If the lifter is not flush and tightened, pressed against the threaded sleeve and the concrete surface, then there is a risk that the thread of the lifter will be bent and can then leave if it is tilted several times. The installation instructions of the BGW threaded transport anchor must be observed.

Indications for use:

- The contact surface must be flat
- Tighten with a DIN 695, 894 wrench
- Observe accident prevention regulations VBG 9a § 42
- Stop swivel suitable for M and Rd sleeves

Technical description under https://bgw-bohr.de/pdf/bgw-bohr-Anschlagwirbel_technische_Beschreibung.pdf



BGW universal lifter U1 = stop swivel and U2 = load bracket for threaded anchors

12/21_(05/21)

BGW universal lifter U1 = stop swivel with minimum distance (lever) to the threaded anchor

M-thread		Rd Thread			Load level 90 ° t	Loading step Axial t	Weight approx. kg	Pressure plate Ø Mm	Price €/piece M/rd
Kind. No.	Thread M x wt. Length mm	Kind. No.	Thread Rd x Wt. Length mm						
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 bracket minimum distance to threaded anchor

M-thread		Rd Thread			Load level 90 ° t	Loading step Axial t	Weight approx. kg	Pressure plate Ø Mm	Price €/piece M/rd
Kind. No.	Thread M x wt. Length mm	Kind. No.	Thread Rd x Wt. Length mm						
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	



Technical description under
<https://bgw-bohr.de/pdf/bgw-bohr-Anschlagwirbel technische Beschreibung.pdf>

BGW universal lifter U1 = stop swivel and U2 = load bracket for threaded anchors

12/21_(05/21)

BGW Tapping Oil

Art.-No.	Price €/l
80022	35

Technical description under https://bgw-bohr.de/pdf/bgw-bohr-Anschlagwirbel_technische_Beschreibung.pdf

BGW universal lifter U1 with reworking function

M-thread		Rd Thread		Load level 90 ° t	Loading step Axial t	Weight approx. kg	Pressure plate Ø Mm	Price €/piece M/rd
Kind. No.	Thread M x wt. Length mm	Kind. No.	Thread M x wt. Length mm					
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



BGW universal lifter U1 = stop swivel and U2 = load bracket for threaded anchors

12/21_(05/21)

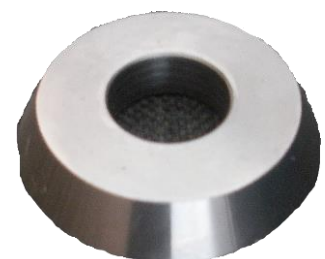
BGW universal lifter U2 with reworking function

M-thread		Rd Thread		Load level 90 ° t	Loading step Axial t	Weight approx. kg	Pressure plate Ø Mm	Price €/piece M/rd
Kind. No.	Thread M x wt. Length mm	Kind. No.	Thread M x wt. Length mm					
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

Art.-No.	Thread	Concrete-cover Mm	Ø D1 Mm	Ø D2 Mm	Pkkg. unit 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



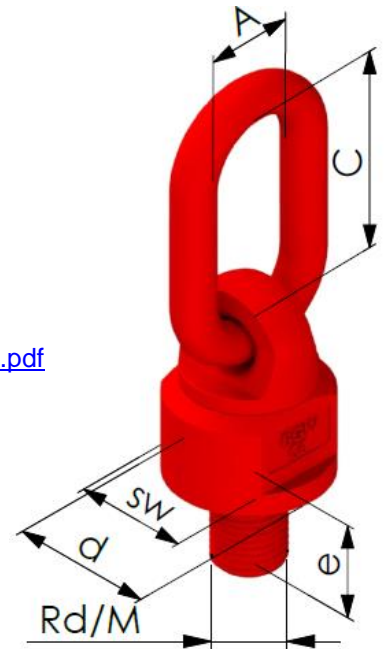
Technical description under
https://bgw-bohr.de/pdf/bgw-bohr-Anschlagwirbel_technische_Beschreibung.pdf

BGW stop swivel (AW) - for oblique and transverse pull

07/21^(04/21)

Characteristics:

- Compact and lightweight design
- Robust, stable, durable
- Ball bearing swivel joint
- Low space requirement
- Quick installation
- No alignment in the direction of tension, as the receiving link to the correct position



EC Declaration of Conformity:

https://bgw-bohr.de/pdf/CE_Zeichen/EG-Konf_BGW-Anschlagwirbel_alle_Laststufen.pdf

Indications for use:

- Bearing surface must be flat
- Tighten with a wrench DIN 695, 894
- Observe accident prevention regulations VBG 9a § 42
- Stop swivel suitable for M and Rd sleeves

The values can be taken from the oblique pull table shown.

M-thread		Rd Thread				Load limit / t at:		e Mm	Key- width Sw	Chain Link Ax C [mm]	Weight kg	Price €/ Piece	
Art.- No.	Thread M	Art.- No.	Thread Rd	Load level t	Color Data Ring	Outer Ø d [mm]	90°						0°
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	Pastel orange	36,0	0,50	1,0	19	30	30 x 55	0,468	39,32
-	-	06891	Rd12	0,50	Pastel orange	36,0	0,50	1,0	19	30	51 x 95	0,600	39,32
0604	M14	0690	Rd14	0,80	White	36,0	0,50	1,0	21	30	30 x 55	0,478	42,23
0606	M16	0691	RD16	1,20	Fire-red	36,0	1,25	2,0	21	30	30 x 55	0,485	47,14
0607	M16	06911	RD16	1,25	Fire-red	36,0	1,25	2,0	21	30	60 x 110	0,666	47,14
0608	M18	0692	Rd18	1,60	Light pink	50,0	1,25	2,0	31	30	30 x 55	0,503	52,66
0610	M20	0693	Rd20	2,00	White-green	50,0	2,00	4,0	31	30	35 x 70	0,936	61,61
-	-	06931	Rd20	2,00	White-green	50,0	2,00	4,0	31	30	60 x 110	1,152	61,61
0612	M24	0694	RD24	2,50	Anthracite Grey	57,0	3,15	6,3	35	46	40 x 85	1,493	64,68
-	-	06941	RD24	2,50	Anthracite Grey	57,0	3,15	6,3	35	46	75 x 135	1,756	64,68
0614	M30	0695	RD30	4,00	Emerald green	66,0	5,30	10,6	45	46	40 x 85	2,297	91,27
0616	M36	0696	Rd36	6,30	Light Blue	80,0	8,00	11,8	54	65	50 x 115	3,758	201,0
0618	M42	0697	Rd42	8,00	Silver-grey	80,0	10,00	15,0	62	65	50 x 115	4,130	320,0
0620	M52	0698	Rd52	12,50	Sulfur yellow	80,0	10,00	15,0	68	65	50 x 115	4,710	437,5

Subject to design change

BGW lifter for threaded anchors

Security:

The lifter must always be level, at right angles to the threaded anchor and sit on the concrete at right angles. If the lifter is not flush and tightened, on the threaded sleeve and the concrete surface, press then there is a risk of that in the event of multiple inclined pulls, the thread of the lifter is bent and then will depart.

The installation instructions of the BGW bar anchors must be observed.



Art.-No.	Loading step t	Thread /Mm	Ø Temple B /mm	L x g /Mm	D1 /Mm	h /Mm	I /Mm	Weight medical history	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 Loop System (TS) - Slings

11/21^(11/21)

BGW transport loops are used for lateral attachment to shaft structures, cisterns, etc. into built-in threaded anchors. When struck laterally, the load-bearing behaviour of the built-in threaded anchors also changes, even if different or less load is written on these threaded anchors.

In such cases, the load indication on the transport loops, with the permanently installed screw, is always the nominal load of the installed threaded anchors.

The changing load behaviour of the threaded anchors installed in the component, using the transport loops, can also be read here in the tables.

Transport loops can also be obtained from us in different rope lengths.

On the transport loops there is a data carrier of different colors, on which the manufacturer, the type and the load level are visible.

Transport loops without data carriers may no longer be used due to the lack of assignability.



BGW transport loop with permanent screw

BGW transport loop with permanently rotatable captive DIN hexagon screws with DIN washer under the screw head, which can be permanently rotated in the bore of the transport loops. The DIN hexagon screw was permanently secured in a non-detachable manner by means of a specially developed press-fit washer. The thread length, the thread protrusion, corresponds approximately to the possible screwing depth into the threaded anchor.

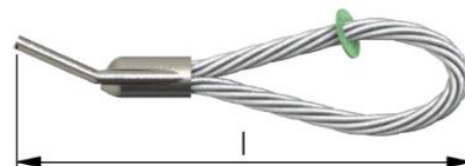
Other pitches on request.

Art.-No.	Loading step t	Color Data Ring	For threads M/Rd	Usable thread protrusion mm	Overall 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

Other pitches on request.

Art.-No.	Loading step t	Color Data Ring	For threads M/Rd	Overall 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 - Hexagon Head Screws and Transport Loop Anchors

11/21(11/21)

Bolts

Art.-No.	Hexagon head screw d x h	Weight medical history	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

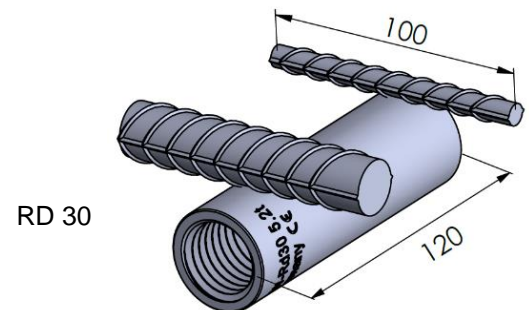


RD 16 & 24



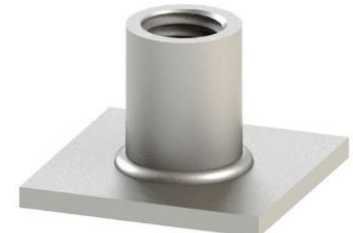
BGW Transport Loop Anchor - Galvanized Sleeve

Art.-No.	Load level t	Type d x h	Pkgg. Unit 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 30

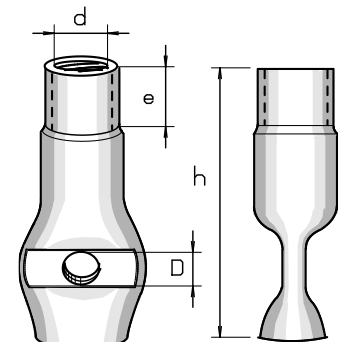
RD 36



With the BGW transport loop system, it is also excellently possible to secure the load of precast concrete elements on the means of transport. For this purpose, threaded anchors, which are provided with sufficient additional reinforcement in the direction of tension and thrust, must be installed in the component.

The transport loop can then be attached to such a thread in the component and tightly connected to the means of transport.

The direction of pull must always be in the plane of the transport loop.



BGW threaded terminal – end fitting on cordage, with continuous thread

Completely stainless steel or with galvanized rope

03/22^(03/22)

The wire rope is pressed to the threaded part in an inseparable form-fitting manner.

Threaded terminal with thread on both sides.

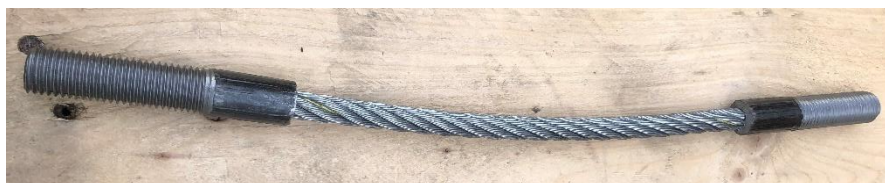
The piece pressed on the ends of the stainless steel side for the thread is made of stainless steel.

The sliced on top of it can be used completely continuously. The thread can be screwed into a master thread up to the rope approach, making this pressure point invisible.

Thread lengths and rope lengths are made according to customer request, customer drawing or sketch.

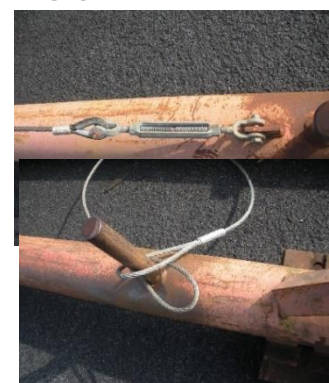
BGW terminal can be used for maritime use, concrete plant, elevator construction, forestry, vehicle construction, etc.

Kind. No. V2A	Wt. Stainless steel	Ø Rope - Stainless Steel Mm	Fracture Strength 6x19 FE kN	Overall length Mm	PACK	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, tipper ropes, ropes with eyelets, with and without thimbles from 4-50 mm

Total length (the rope + both threaded sleeves)	46 cm
Length of a threaded sleeve	10.5 cm
Length of rope between sleeves	25 cm
Required thread length per sleeve	6 cm
max. diameter of the sleeve	23 cm
Thread	M20 (2x right)



BGW rope loops – eyelets with external thread - for attaching threaded transport anchors with internal thread

11/23^(11/23)



BGW rope loops with pressed-on threaded pieces are available with Rd or M threads in Depending on the load level for our transport anchor system and on the type of anchor. The data carrier for the BGW transport anchor system, **which is located on the rope loop**, is colour-coordinated with the corresponding M-anchor, Rd-anchor system. The **BGW** rope loop is designed for this purpose.

developed in order to provide a cost-effective load handling device for the transport of components from the precast plant

to the construction site. To ensure that the rope loop in the area of the thread pressing point would not be bent and the wire rope would then also be damaged, an inclined pull in the component-surface installation up to 45° is possible without any problems. If the threaded anchor is recessed, deeper than the threaded part, this rope press sleeve, then the bending point of the rope loop is recessed. In the case of inclined and transverse pulling, the rope of the loop now rests against the component, so that any angle can be pulled with the rope loop. The **BGW** rope loops are available in many commercially available and special lengths. We have already listed these lengths by default in the catalog on the following pages.

BGW rope loops are such an inexpensive means of load handling that in most cases it is not worthwhile to retrieve them from the construction site, also because no one knows what has been done with them outside the house. The **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 threaded end of the rope loop become. Rope loops must be replaced in the event of wire breakage, damage to the thread, crushing, Corrosion scars or buckling. Assessment at least once a year by an expert (UVV VBG 9a § 42).

For information: **BGW rope loops** with threaded pieces were tested and approved for the first time in the test report No. 2930652/I – 293065/IX as well as MK2301174 by the LGA Bayern on points 4.4.3 of the safety rules for transport anchors – under www.BGW-Bohr.de. Product monitoring through production supervision/release of first pieces for new production.

BGW rope loop if recessed installation of the transport anchor was not possible

EC Declaration of Conformity: http://www.bgw-bohr.de/pdf/CE_Zeichen/EG-Konf_BGW-Seilschlaufe_alle_Laststufen.pdf

M-thread		Rd Thread		Rope Ø/mm DIN 3060	Color Data Ring	Load- Level T Axial	-45° Obliqu e pull	+45° -60° oblique pull	Weight medical history	Height Mm	Packing. Unit Piece	Price €/piece
d x e	Art.- No.	d x e	Art.- No.									
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	Pastello orange	0,5	0,34	0,25	0,070	155	25	4,09
M14 x 24	0653	Rd14 x 24	0652	7	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 grey	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-grey	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 - eyelets with external thread - for Attachment of threaded transport anchors with internal thread

10/21^(10/21)

BGW-Rope loop

EC Declaration of Conformity: http://www.bgw-bohr.de/pdf/CE_Zeichen/EG-Konf_BGW-Seilschlaufe_alle_Laststufen.pdf

M-thread		Rd Thread		Rope Ø/mm DIN 3060	Color Data Ring	Load-step t Axial	-45° Oblique pull	+45° -60° Oblique pull	Weights medical history	Height Mm	Packing. Unit Piece	Price €/piece
d x e	Art.-No.	d x e	Art.-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	Pastello orange	0,5	0,34	0,25	0,070	165	25	5,50
M12 x 22	0651 180	Rd12 x 22	0650 180	6	Pastello orange	0,5	0,34	0,25	0,076	180	25	5,80
M12 x 22	0651 200	Rd12 x 22	0650 200	6	Pastello orange	0,5	0,34	0,25	0,080	200	25	6,00
M12 x 22	0651 220	Rd12 x 22	0650 220	6	Pastello orange	0,5	0,34	0,25	0,064	220	25	6,60
M12 x 22	0651 250	Rd12 x 22	0650 250	6	Pastello 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
		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	300	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 grey	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-grey	8,0	5,4	4,0		480	1	
M42 x 70	0667-500	Rd42 x 70	0666-500	20	silver-grey	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 loops - eyelets with external thread - for Attachment of threaded transport anchors with internal thread

01/24^(01/24)

BGW rope loop tapered - for attaching threaded transport anchors

To make it easier for the rope loop to be screwed through the finished part to the transport anchor, it is combined in the middle with a press clamp. The central crimping makes it easier to screw the rope loop into the transport anchor, as it also serves as a guide in the finished part.

These tapered rope loops are designed for recessed installation, so that no inclined 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 breakage, damage to the thread, crushing, corrosion scars or kinks.

Assessment at least once a year by an expert (UVV VBG 9a § 42).

Picture documentation rope loops:

https://www.bgw-bohr.de/pdf/Bilddokumentation_Seilschlaufen_tailliert.pdf



M-thread d	Art.-No.	Rd Thread d	Art.-No.	Rope Ø/mm DIN 3060	Color Data Ring	Load- Level T Axial	-45° Obliq ue pull	+45° -60° obliqu e pull	Weight medical history	Height Mm	Packing. Unit Piece	Price €/piece
M12x22	0651S 455				Pastello orange	0,5	0,34	0,25	0,162	455	50	11,05
M12x22	0651S 500				Pastello orange	0,5	0,34	0,25	0,164	500	50	
M12	0651T	Rd12	0650T	6	Pastello orange	0,5	0,34	0,25	0,070	500	25	
M14	0653T	Rd14	0652T	7	White	0,8	0,54	0,4	0,080	455	25	
M16	0654S				fire-red	1,2	0,8	0,6	1,2	300		
M16	0654S 455	RD16	0654T	8	fire-red	1,2	0,8	0,6	1,2	455		14,30
M16	0654S 500				fire-red	1,2	0,8	0,6	1,2	500		16,25
M16	0654S 550				fire-red	1,2	0,8	0,6	1,2	550		
M18	0657T	Rd18	0656T	9	light pink	1,6	1,1	0,8	0,189	455	25	
M20	0659T	Rd20	0658T	10	white-green	2,0	1,4	1,0	0,266	455	25	
M20	0659S 455				white-green	2,0	1,4	1,0	0,452	455		20,15
M20	0659S 500 G60				white-green	2,0	1,4	1,0		500		
M24	0661T	RD24	0660T	12	anthracite grey	2,5	1,7	1,25	0,360	450	25	
M30	0663T	RD30	0662T	16	emerald green	4,0	2,7	2,0	0,894	500	10	
M36	0665T	Rd36	0664T	18	light blue	6,3	4,2	3,15	1,361	500	10	
M42	0667T	Rd42	0666T	20	silver-grey	8,0	5,4	4,0	1,966	600	1	
M46	06689T	Rd48	06690T	28	-----	22,0	15,4	11,0	5,20	800	1	
M52	06691T	Rd52	0668T	26	sulfur yellow	12,5	8,4	6,25	3,510	700	1	
M56	06693T	RD56	06692T	26	-----	15,0	10,5	7,5	5,60	800	1	
M60	06695T	RD60	06694T	28	-----	20,0	14,0	10,0	6,30	800	1	



BGW rope loops - eyelets with external thread - for Attachment of threaded transport anchors with internal thread

10/21_(10/21)

BGW rope loop with 2 pressed-in ropes - for attaching threaded transport anchors

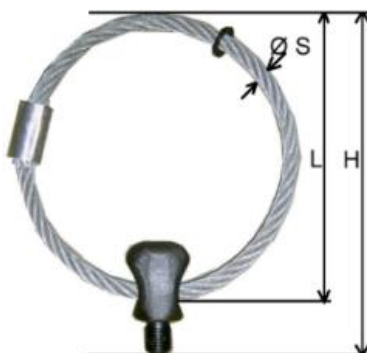
Art.-No.	Loading step t	-45° oblique-train	+45°-60° Oblique pull	Height Mm	Thread	PACK Piece	Weight	Price €/piece
0662SS	4,0	2,7	2,0	300	RD30	50	0,766	



BGW rope loop Goliath with forging head for transverse and oblique pull - for attaching threaded transport anchors

Rope in O-crimp

M-thread		Rd Thread		Weight medical history	Color Data Ring	Load-Step t Axial	-45° Oblique -train	+45° -60° Oblique pull	Height H Mm	Ø S Rope Mm	Ø Auf-Lying surface a/mm	Ø L Mm	VE St.	Price €/piece
d	Art.-No.	d	Art.-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	Pastello orange	0,5	0,34	0,25	200	8	25	150	2	18,41
M14 x 20	0653G	Rd14 x 20	0652G	0,304	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 grey	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-grey	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 rope loops - eyelets with external thread - for Attachment of threaded transport anchors with internal thread

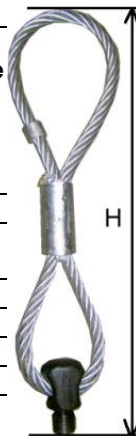
10/21^(10/21)

Rope in 8 crimps

EC Declaration of Conformity:

http://www.bgw-bohr.de/pdf/CE_Zeichen/EG-Konf_BGW-Seilschleufe_Goliath-8-Verpressung_alle_Laststufen.pdf

M-thread		Rd Thread		Color Data Ring	Load-Step t Axial	-45° Oblique -train	+45°-60° Oblique -train	Height H Mm	Ø S Rope Mm	Ø Auf-Lying surface a/mm	VE St.	Weight medical history	Price €/piece
d	Art.-No.	d	Art.-No.										
M10	0649G8	-	-		0,4	0,27	0,2	335	6	25	2	0,350	18,41
M12	0651G8	Rd12	0650G8	Pastello orange	0,5	0,34	0,25	335	8	25	2	0,276	18,41
M14	0653G8	Rd14	0652G8	White	0,8	0,54	0,4	385	8	25	2	0,430	23,52
M16	0655G8	RD16	0654G8	fire-red	1,2	0,8	0,6	385	8	25	2	0,718	23,52
M18	0657G8	Rd18	0656G8	light pink	1,6	1,1	0,8	470	10	45	2	1,133	29,23
M20	0659G8	Rd20	0658G8	white-green	2,0	1,4	1,0	470	10	45	2	1,293	33,23
M24	0661G8	RD24	0660G8	anthracite grey	2,5	1,7	1,25	550	12	45	2	1,567	35,79
M30	0663G8	RD30	0662G8	emerald green	4,0	2,7	2,0	590	16	45	2	2,268	41,93
M36	0665G8	Rd36	0664G8	light blue	6,3	4,2	3,15	780	18	75	2	7,500	127,82
M42	0667G8	Rd42	0666G8	silver-grey	8,0	5,4	4,0	860	20	75	2	8,165	163,61
M52	0669G8	Rd52	0668G8	sulfur yellow	12,5	8,4	6,25	1080	26	75	2	10,496	230,08



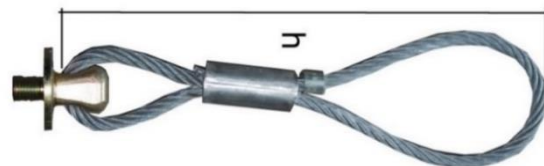
BGW rope loop Goliath with forging head and pressure plate - for attaching threaded transport anchors

For the recessed installation of threaded transport anchors, we recommend **BGW** recess bodies with marking. The corresponding recess body ensures the complete support of the matching pressure plate on the concrete surface.

Rope in 8 crimps

Art.-No.	Thread	Ø plate mm	Color Data Ring	Load level t Axial	-45° Oblique -train	+45°-60° Oblique -train	Load-Limit / T at 90°:	Length h Mm	Ø Rope Mm	Pkkg.-Unit	Weight medical history	Price €/pc.
0650G8-D	Rd12 x 20	Ø 46	Pastello 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 grey	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-grey	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 recess body with marking



BGW rope loop Goliath with forging head and pressure plate

BGW rope loops with internal thread - for transport anchors with external thread for transporting foundations with threaded rods

11/23(11/23)

BGW rope loops with pressed-on female threads are available with Rd or M threads or with inch threads.

The crimp sleeve with the internal thread is labeled with the product data in the circumference. Manufacturer, load level, type.

The rope loops with internal thread are designed for axial load support.

Please note: The thread of the rope loop must always be screwed in to the thread end of the rope loop. Rope loops must be replaced in the event of wire breaks, damage to the thread, crushing, corrosion damage or kinking. Assessment at least once a year by an expert (UVV VBG 9a § 42).



EC Declaration of Conformity: http://www.bgw-bohr.de/pdf/CE_Zeichen/EG-Konf_BGW-Seilschlaufe_Goliath-8-Verpressung_alle_Laststufen.pdf

M-thread		Rd Thread		Rope Ø/mm DIN 3060	Color Data Ring	Load- Level T Axial	-45° Obliqu ue pull	+45° -60° obliqu e pull	Weight medical history	Height Mm	Packing. Unit Piece	Price €/piece
d x e	Art.- No.	d x e	Art.- No.									
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	Pastello orange	0,5	0,34	0,25	0,070	155	25	16,36
M14 x 24	0653i	Rd14 x 24	0652i	7	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 grey	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
M39	0665- 1i			20	silver-grey	8,0	5,4	4,4	1,95	425	10	140,00
M42 x 70	0667i	Rd42 x 70	0666i	20	silver-grey	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 threaded connections, for transporting hydraulic manifolds, base plates, in-line flange plates and engine blocks.

Art.-No.	G-inch Pipe thread	Aisles per inch	Ø Thread mm	Rope Ø/mm DIN 3060	Load-Level T Axial	-45° Oblique pull	+45° -60° oblique pull	Weight medical history	Height Mm	Packing. Unit 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	1 1/4"	11	41,9	20	8,0	5,4	4,0	1,966	425	1	179,20
0667Z-2	1 1/2"	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

Identification with manufacturer, load level and thread by ring on the rope.



BGW eyebolt DIN 580 with rope and thimble in 8 crimps

01/24(01/24)

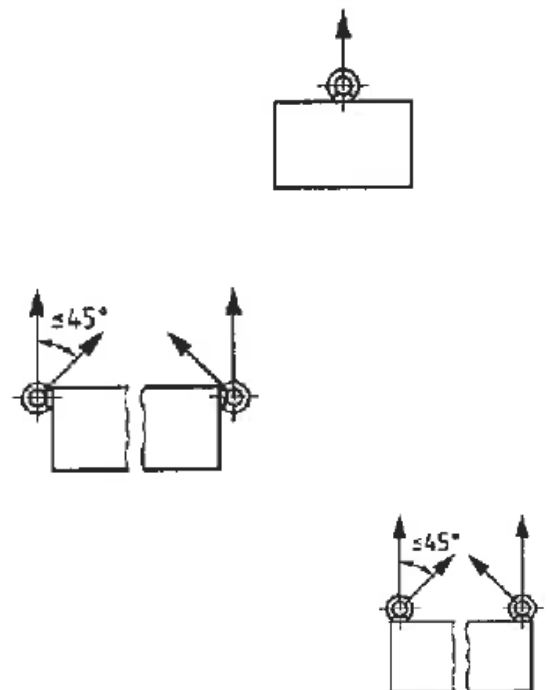
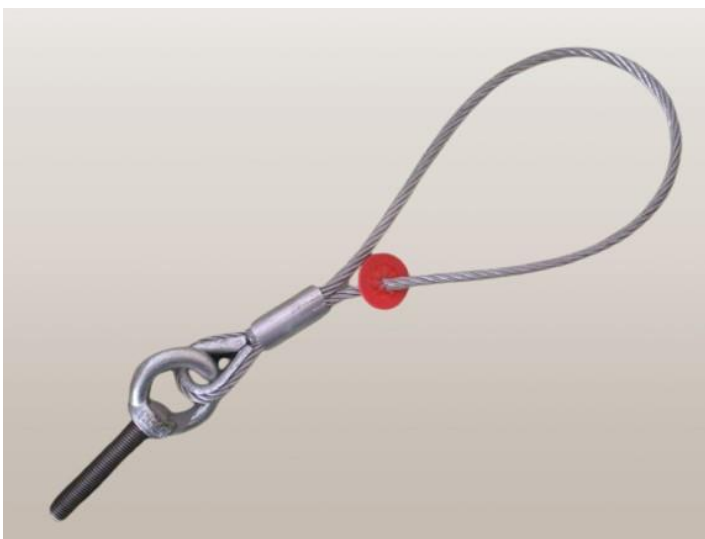
The DIN 580 eyebolt must sit on the component with the front side of the eyebolt press.
The specified load levels are given for the axial tension at 0°.
0° = 100%, 45° = 75%, 90° = 50% of the load level.

The accident prevention regulations VBG 9a § 42 DGUV rule 109-017 must be observed.

The length of the thread, as well as the length of the rope loop, can be adapted to the application requirements.

Art.-No.	Thread d x h	Axial per eyebolt	with 2 eyebolts up to 45° per eyebolt	with 2 eyebolts on the front side up to 45° per eyebolt	Length Mm Wire rope 8 crimping	Eyebolt DIN 580	Packaging Piece	Weight Ca. pcs/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- Rework Cutter / Rework Screw with Dirt Groove - for M or Rd threads

09/21(05/21)

BGW recutter for reworking dirty, icy threads.

The recutter can be screwed into the dirty thread with a cordless screwdriver and a matching BGW Allen key.

Operating instructions

The dirt/ice must be carefully removed from the thread.

The damaged thread of the transport anchor is made passable by means of the recutter by placing the oiled recutter on the thread of the transport anchor and running into the first gear.

As soon as the tool has run into the first thread, the machine can be attached with the BGW Allen key.

If the thread is very dirty, reworking should be done by unscrewing and unscrewing the thread several times.

If the thread has not been reworked in the thread, then the thread may no longer be used to attach the load handling device.

Rd Thread

Art.-No.	Thread	Allen 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

Art.-No.	Thread	Allen 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 Tapping Oil

Art.-No.	Price €/l
80022	35,00



BGW Allen

Art.-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

Art.-No.	Model	Price €/piece
804041	Makita DDF343RYLJ 14.4V	250,00
80404	Cordless screwdriver Bosch GSR 12V	250,00



BGW wall spacers (AH) for double walls

11/21^(07/22)

Wall spacer made of ribbed concrete steel Ø 10 mm with cross brace and plastic cap (spacer cross)
The cone has 30mm concrete covering, is 30mm long or 30mm high on the outside and 27mm deep on the inside.

The edge, the cone edge, is a water barrier, which prevents water from penetrating into the component at the wall spacer. This wall spacer is a built-in part that is also needed in the production of double walls in order to get the right wall thickness. During installation, the cross side of the wall spacer must first be concreted in at right angles to the formwork. After the concrete of the first wall shell has hardened and this has been turned into the second double wall shell, the cross bar of the cross side holds the pressure of the first concrete shell now on top, which would now sink down on the second wall side. The side of the double wall, which is now lying on top, is kept at a precise distance from the freshly concreted wall shell until the concrete has hardened. The distance of the wall spacer to be installed must be installed approx. every meter.

Art.-No.	Wall thickness Mm	Weight kg approx.	Pkgged unit 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

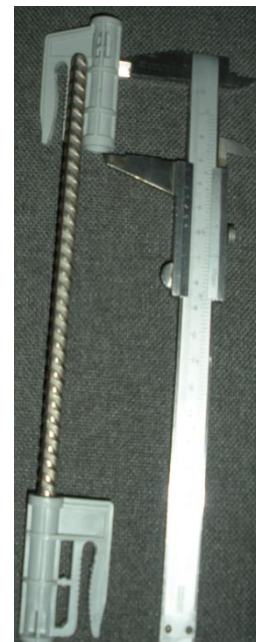


Wall spacer Ø 8 mm with claw (up to upper chord 8 mm or 10 mm)

The claws of the wall spacer are made of plastic. These plastic claws, in which the reinforcing bar Ø 8mm is pressed 34mm deep, has a total length of 56mm. In the ends of the plastic claws there are transverse openings in which the liquid concrete flows. The concrete cover, the distance between the rebar and the concrete surface is 22mm. During installation, the claw is attached to the lattice girder at right angles to the formwork. One of the claws is with the opening to the right, the other points to the left and is poured into the first shell. When pouring concrete, it is important to ensure that the wall spacer sits on the formwork floor. When concreting the 2nd wall shell, the furrowed surface of the concreted claw absorbs the pressure of the first shell. The wall spacer should be installed in every corner and every 0.5m to 1m distance. This way, the front plastic part of the wall spacer is not compressed too much by the weight of the first wall shell. As soon as the wall is finished, you can see the imprints on the front of the spacers.

Art.-No. up to OG 8 mm	Wall thickness Mm	Weight kg approx.	P/P unit 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

Art.-No. up to OG 10 mm	Wall thickness Mm	Weight kg approx.	P/P unit 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



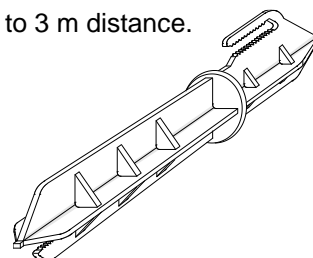
BGW wall spacers (AH) for double walls

11/21^(07/22)

Spacer type peg

is a built-in part that is required in the production of double walls in order to achieve the desired wall thickness. During installation, the claw is attached to the lattice girder at right angles to the formwork and the first bowl poured. When concreting the second shell, the surface of the concreted Ring on the pressure of the first cup. Amount of installation: in each corner and every 2 to 3 m distance.

Art.-No.	Wall thickness Mm	Weight kg approx.	P/P unit 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 on request!

Assembly aids

Plastic Quickie for Wood Screw Ø 12 mm

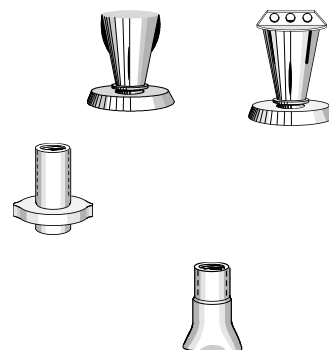
Art.-No.	for Ø	Weight	Pkg Unit	€/piece
5125	12 mm	0.030 kg	1100 Piece(s)	1,22
5126	Liapor	0.037 kg	900 pieces	1,64

Ring anchor M 16

Art.-No.	Thread	Weight	Pkg Unit	€/piece
0002M	M12	0.105 kg	250 pieces	2,04
0004M	M16	0.105 kg	250 pieces	2,46

Threaded dowel M 16 x 50

Art.-No.	Thread	Weight	Pkg Unit	€/piece
0870	M16	0.060 kg	250 pieces	0,98



CNC bending machine for double wall anchor brackets Ø 12 and Ø 14

01/24_(01/24)

We present to you a reliable, brand-new bending machine, which 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 straightener, it enables fast and precise work with steel without leaving any residual material. The CNC control 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 in our German plant. We take great care to ensure that your team can make the most of all the features to increase productivity and achieve best-in-class results.

The bending machine only requires a 32 amp power connection, which allows for easy integration 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 schedule a one-on-one consultation.

[Here you will find a brief insight into the running machine](#) and [bending machine in use](#)



Brand New Bending Machine



Bending machine in use



BGW transport anchor (Fili2) for double walls, type-tested 04/21^(12/17)

Filigree Anchor

BGW filig anchors are used for transporting and relocating double walls.

The anchors consist of a bracket and a crossbar, which are made of highly ductile concrete ribbed steel BST 500 S.

This transport anchor is suitable for installation in production without a turning station.

The transport anchors were concreted into double-shell concrete bodies and were loaded to the point of breakage during pull-out tests. The tests were carried out with regard to centric tensile loading, oblique tensile load and transverse tensile loading. On the basis of these tests, the BGW transport anchors can be used for load levels up to 8.8 t.

BGW filigree anchors for double walls are manufactured in Germany, which allows us to guarantee short delivery times, even for small quantities. We can manufacture the transport anchors for you, according to your requirements, or you can use our type-tested BGW transport anchors for double walls type 2 or type 3.

Instructions for use, load capacity tables and type calculation Ø12 mm (3.2t) and 14 mm (4.5t)

https://www.bgw-bohr.de/pdf/Tragfaehigkeitstabellen/Tragfaehigkeitstabelle_12_14.pdf

https://www.bgw-bohr.de/pdf/Tragfaehigkeitstabellen/Tragfaehigkeitstabelle_DWA_12_14.pdf

Instructions for use, load capacity tables and type calculation Ø16 mm (5.8t) and 20 mm (8.8t)

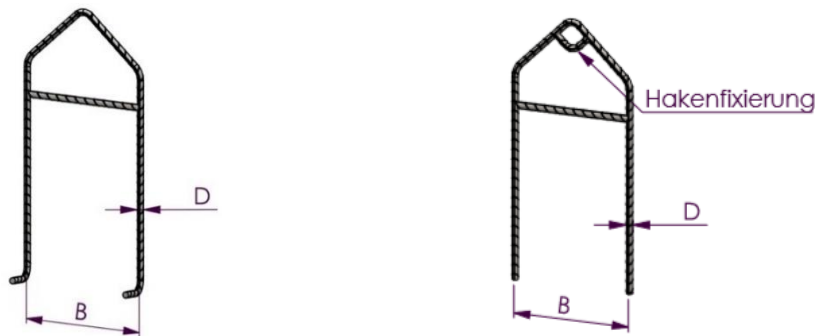
https://www.bgw-bohr.de/pdf/Filis_16_20_Typenberechnung.pdf

https://www.bgw-bohr.de/pdf/Filis_16_20_Typenberechnung.pdf

Photo Documentation Type Testing

https://www.bgw-bohr.de/pdf/HP_Fotodokumentationen/Fotodokumentation_DWA_Ausziehversuche.pdf

Notes on the article number of the BGW transor anchors for double walls



1	2	3	4	5	6	7	8	9
Article group	Type	Load level t	Ø BST D	Width W/mm	Cut to size mm	BST ribbed=1	Hook Straight=0 Curved=1	Hook fixation without=0 Wed=1
4	2	4,5	14	150	1200	1	0	0

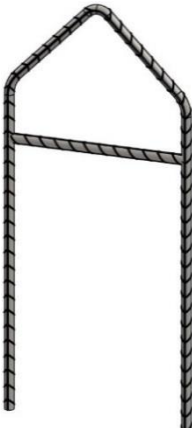
- to 1: specifies the article group (always the same).
- to 2: specifies the anchor type.
- 3: specifies the load level of the transport anchor.
- to 4: specifies the Ø of the concrete ribbed steel for the transport anchor.
- 5: specifies the outer width of the transport anchor.
- to 6: specifies the length of the blank for the bracket of the transport anchor. From an external width of 250 mm, the cutting is 1500 mm. If D is ≥ 16 mm, the cut is also 1500 mm. Otherwise, the blank has a length of 1200 mm.
- re 7: indicates that the highly ductile ribbed steel is ribbed.
- to 8: indicates whether the anchor is straight or curved at the bottom.
- to 9: indicates whether the anchor is with or without hook fixation.

With the help of this table, you can enter the corresponding article number in your inquiry or order.

BGW transport anchor (Fili2) for double walls, type-tested 04/21^(12/17)

Type 2: (DOWA) with welded-in cross brace

The cross brace prevents the legs from contracting when the wall is lifted, as well as tearing the thighs out of the concrete.

	Art.-No.	Load level t	Ø BST	Width B mm	Cut to size mm	Weight kg	VE	Price
	42321213012010000000	3,2	12	130	1200	1,2	500	from 3,26 €
	42321215012010000000	3,2	12	150	1200	1,2	500	from 3,38 €
	42321218012010000000	3,2	12	180	1200	1,2	500	from 3,42 €
	42321220012010000000	3,2	12	200	1200	1,2	500	from 3,52 €
	42321222012010000000	3,2	12	220	1200	1,2	500	from 3,64 €
	42321224012010000000	3,2	12	240	1200	1,3	500	from 3,76 €
	42321226015010000000	3,2	12	260	1500	1,5	250	from 4,12 €
	42321228015010000000	3,2	12	280	1500	1,6	250	from 4,32 €
	42321230015010000000	3,2	12	300	1500	1,6	250	from 4,40 €
	42451411012010000000	4,5	14	110	1200	1,6	500	from 4,28 €
	42451412012010000000	4,5	14	120	1200	1,6	500	from 4,32 €
	42451412512010000000	4,5	14	125	1200	1,6	500	from 4,34 €
	42451413012010000000	4,5	14	130	1200	1,6	500	from 4,38 €
	42451414012010000000	4,5	14	140	1200	1,6	500	from 4,54 €
	42451415012010000000	4,5	14	150	1200	1,6	500	from 4,62 €
	42451415512010000000	4,5	14	155	1200	1,6	500	from 4,66 €
	42451416012010000000	4,5	14	160	1200	1,6	500	from 4,72 €
	42451417012010000000	4,5	14	170	1200	1,6	500	from 4,78 €
	42451419012010000000	4,5	14	190	1200	1,6	500	from 4,84 €
	42451420012010000000	4,5	14	200	1200	1,7	500	from 4,88 €
	42451421012010000000	4,5	14	210	1200	1,7	500	from 4,96 €
	42451422012010000000	4,5	14	220	1200	1,7	500	from 5,02 €
	42451423012010000000	4,5	14	230	1200	1,7	500	from 5,10 €
	42451425015010000000	4,5	14	250	1500	2,1	250	from 5,12 €
	42451426015010000000	4,5	14	260	1500	2,1	250	from 5,16 €
	42451427015010000000	4,5	14	270	1500	2,1	250	from 5,24 €
	42451428015010000000	4,5	14	280	1500	2,1	200	from 5,30 €
	42451431015010000000	4,5	14	310	1500	2,2	200	from 5,40 €
	42451432015010000000	4,5	14	320	1500	2,2	200	from 5,48 €
	42451435015010000000	4,5	14	350	1500	2,2	200	from 5,62 €
	42451438015010000000	4,5	14	380	1500	2,2	200	from 5,70 €
	42581615015010000000	5,8	16	150	1500	2,6	250	from 5,54 €
	42581618015010000000	5,8	16	180	1500	2,6	250	from 5,80 €
	42581621015010000000	5,8	16	210	1500	2,6	250	from 6,00 €
	42581623015010000000	5,8	16	230	1500	2,7	250	from 6,08 €
	42581625015010000000	5,8	16	250	1500	2,7	250	from 6,28 €
42581627015010000000	5,8	16	270	1500	2,7	250	from 6,40 €	
42581628015010000000	5,8	16	280	1500	2,8	250	from 6,54 €	
42581629015010000000	5,8	16	290	1500	2,8	250	from 6,62 €	
42581631015010000000	5,8	16	310	1500	2,8	250	from 6,72 €	
42882031015010000000	8,8	20	310	1500	4,4	125	from 8,94 €	
42882032015010000000	8,8	20	320	1500	4,4	125	from 9,10 €	
42882033015010000000	8,8	20	330	1500	4,4	125	from 9,28 €	

BGW transport anchor (Fili3) for double walls, type-tested 04/21(12/17)

Type 3: (DOWA) with welded-on cross brace

The protruding cross brace \varnothing 20 mm takes on the greatest load of the wall and thus prevents the legs from contracting and tearing out of the concrete.

Art.-No.	Load level t	\varnothing BST	Width B mm	Cut to size mm	Weight kg	VE	Price
4332121301201000000	3,2	12	130	1200	1,4	500	from 3,76 €
4332121801201000000	3,2	12	180	1200	1,6	500	from 4,06 €
4332122601501000000	3,2	12	260	1500	2,0	250	from 4,90 €
4345141301201000000	4,5	14	130	1200	1,8	250	from 5,00 €
4345141401201000000	4,5	14	140	1200	1,8	250	from 5,06 €
4345141501201000000	4,5	14	150	1200	1,9	250	from 5,16 €
4345141701201000000	4,5	14	170	1200	1,9	250	from 5,22 €
4345141901201000000	4,5	14	190	1200	2,0	250	from 5,30 €
4345142101201000000	4,5	14	210	1200	2,0	250	from 5,50 €
4345142301201000000	4,5	14	230	1200	2,1	250	from 5,56 €
4345142401201000000	4,5	14	240	1200	2,1	250	from 5,60 €
4345142801501000000	4,5	14	280	1500	2,6	200	from 5,72 €
4345143101501000000	4,5	14	310	1500	2,6	200	from 5,90 €
4358161401501000000	5,8	16	140	1500	2,8	250	from 5,82 €
4358161501501000000	5,8	16	150	1500	2,8	250	from 5,88 €
4358161751501000000	5,8	16	175	1500	2,9	250	from 6,06 €
4358161901501000000	5,8	16	190	1500	2,9	250	from 6,12 €
4358162101501000000	5,8	16	210	1500	2,9	250	from 6,18 €
4358162301501000000	5,8	16	230	1500	3,0	250	from 6,24 €
4358162801501000000	5,8	16	280	1500	3,1	200	from 6,38 €
4358162901501000000	5,8	16	290	1500	3,1	200	from 6,56 €
4358163101501000000	5,8	16	310	1500	3,2	200	from 6,66 €
4388201601501000000	8,8	20	160	1500	4,1	250	from 8,32 €
4388201901501000000	8,8	20	190	1500	4,2	250	from 8,60 €
4388203101501000000	8,8	20	310	1500	4,5	125	from 9,18 €
4388203201501000000	8,8	20	320	1500	4,5	125	from 9,34 €
4388203301501000000	8,8	20	330	1500	4,6	125	from 9,52 €



If you need other exterior widths or special designs, we can of course manufacture them according to your wishes.

BGW Transport Anchor Fili10 - made of flat steel reinforcement

04/18_(06/18)

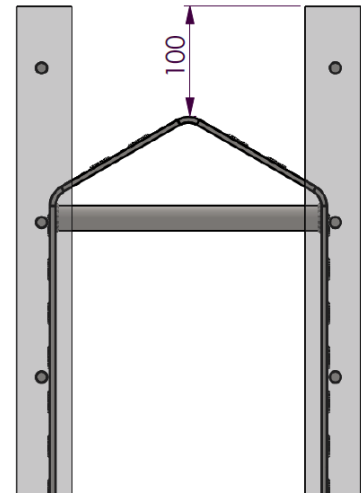
This type of transport anchor "Fili 10" is made of a flat reinforcing steel and has been specially developed for components that have a low concrete cover. If a transport anchor made of round reinforcement is replaced by a "Fili 10" transport anchor, up to 10 millimetres of concrete cover can be obtained.

This enables greater safety when transporting precast concrete elements. Alternatively, if there is enough concrete covering, the wall formwork can be made up to 10 millimetres narrower. This results in significant concrete and weight savings.

Advantages:

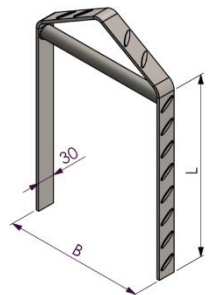
- Higher concrete cover for walls of the same width
- More safety when transporting precast concrete elements

The transport anchor "Fili 10" is made of 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 steel tube has been stapled between the legs of the load bracket as a stiffener. As a result, the legs of the transport anchor do not contract under load.



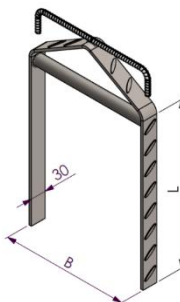
BGW Double Wall Transport Anchors Made of Flat Steel Reinforcement

No.	Load-group/ Loading step	Axial Tension ¹ Loading step per anchor	Oblique pull ² 60° Oblique pull ² 90° load level per anchor	Transverse pull ³ load level per anchor	Wall thickness mm	Outside Width W mm	Anchoring Length L Mm	Weight medical history	Pkkg. Einh.	Price
10140	4.5t	4.5t	3.0t 2.0t	2.25t	200	140	300	1,266	500	from 3,20 €
10180	4.5t	4.5t	3.0t 2.0t	2.25t	240	180	300	1,358	500	from 3,40 €
10240	4.5t	4.5t	3.0t 2.0t	2.25t	300	240	300	1,510	500	from 3,80 €
10300	4.5t	4.5t	3.0t 2.0t	2.25t	360	300	300	1,663	500	from 4,20 €



BGW Double Wall Transport Anchors Made of Flat Steel Reinforcement with hook stop protection

No.	Load-group/ Loading step	Axial Tension ¹ Loading step per anchor	Oblique pull ² 60° Oblique pull ² 90° load level per anchor	Transverse pull ³ load level per anchor	Wall thickness mm	Outside Width B mm	Anchoring Length L Mm	Weight medical history	Pkkg. Einh.	Price
101401	4.5t	4.5t	3.0t 2.0t	2.25t	200	140	300	1,390	500	from 4,20 €
101801	4.5t	4.5t	3.0t 2.0t	2.25t	240	180	300	1,508	500	from 4,40 €
102401	4.5t	4.5t	3.0t 2.0t	2.25t	300	240	300	1,690	500	from 4,80 €
103001	4.5t	4.5t	3.0t 2.0t	2.25t	360	300	300	1,883	500	from 5,20 €



¹Axial: Maximum load when lifting vertically.

²Oblique pull: Two anchors enter together at the specified angle of inclination Component. The load in the table is given for a load-bearing anchor, see drawing next page.

³Across: A horizontal component is set up. The load specifications are always related to an anchor.

Other versions on request.

BGW Transport Anchor Fili10

04/18_(06/18)

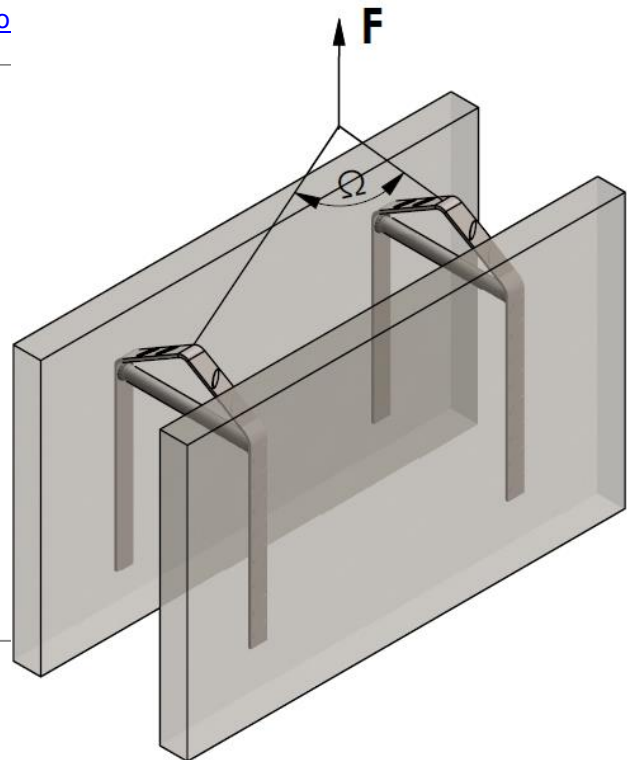
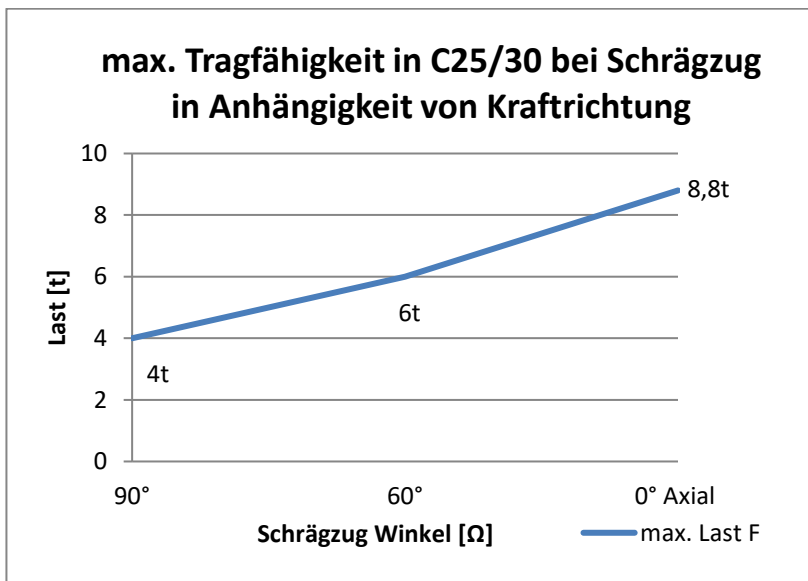
The concrete strength must be at least C 25/30 and the concrete cover over the anchor legs must be at least 10 mm. The installation of the transport anchor is carried out in the same way as with BGW double-wall transport anchors with round reinforcement. The transport anchor should be wide enough to rest against the inside of the reinforcement of the wall shells. The upper part of the transport anchor should be 100 mm below the top of the wall. To prevent the anchor from tipping over in the event of loose reinforcement, it is attached to lattice girders at the top with an auxiliary crossbeam.

Pictures of the tensile test

BGW-Fili14 with erection reinforcement: https://www.bgw-bohr.de/pdf/Zugtest_Fili14_Bilder.pdf

Photo Documentation Type Testing

https://bgw-bohr.de/pdf/HP_Fotodokumentationen/Fotodokumentatio



BGW transport anchor Fili14 – for double walls

04/21^(10/19)

- Where safety, price, DIN conformity and fast installation are the priorities -

The BGW transport anchor Fili14 is used for transporting double walls. This filigree anchor consists of a bracket made of approved DIN 488 steel in special grade and the cross bar (pressure rod) made of thick-walled steel tube, in special grade. This is connected to each other by means of the identification tape. The marking tape is not UV-resistant. This transport anchor is especially suitable for installation during the production of double walls by means of a turning station.

As a rule, the cross bar has been welded into the bracket so far. According to the latest state of the art, the anchor bracket and compression rod no longer need to be welded together in order to transfer the tensile forces at the anchor into the anchor legs. For these reasons, our Fili14 deliberately does not weld in the crossbar. When the wall is first coupled in the precast plant, it is recommended to push/pull a **BGW coupling band** through the transport anchor in order to connect or disconnect the components to the hanger without a conductor. The risk of a worker falling off the ladder and injuring himself when anchoring the component is very high. There is a requirement of the employers' liability insurance association for a "ladderless construction site". The pressure rod is shaped on both front sides in such a way that it is firmly attached to the anchor legs. It is placed directly at the bends of the anchoring legs to prevent deformation of the stop triangle. The anchor can be installed at an angle in the wall. Due to the fact that the Fili14 is made of steel according to DIN 488 in special quality and has no annoying hooks and shafts, one anchor width can be used for several wall widths. It is important that the concrete cover of the legs of at least 10 mm is guaranteed. The gradation can be done in increments of 20 mm. Example: The anchor with the width of 150 mm can be installed for the anchor with the width of 140 mm and 130 mm. As a result, storage costs can be significantly reduced.

Fili14 with reinforcing steel, Ø 12 and Ø 14

https://www.bgw-bohr.de/pdf/Filis_12_14_Typenberechnung.pdf

Video of the tensile test BGW-Fili14 (Ø 12mm): <https://bgw-bohr.de/video/Zugtest-Doppelwandanker-2.mp4>

Pictures of the tensile test BGW-Fili14: https://www.bgw-bohr.de/pdf/Zugtest_Fili14_Bilder.pdf

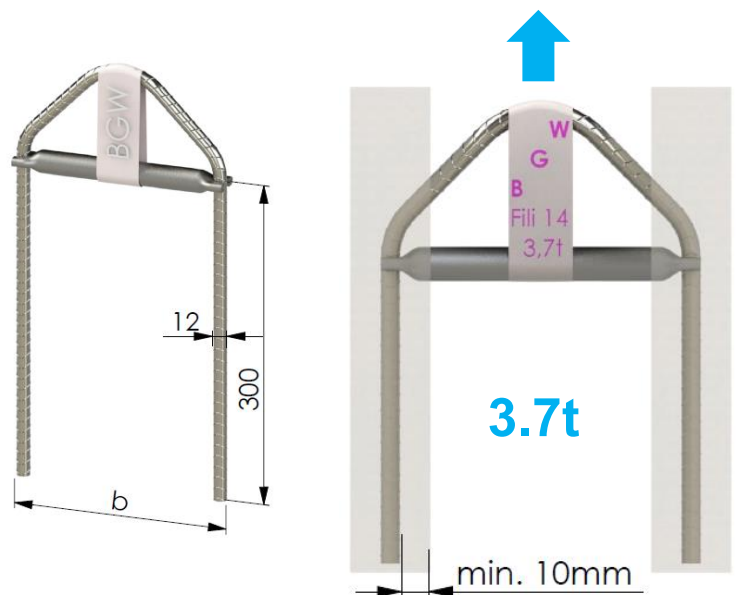
Photo Documentation Type Testing

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 3.7t

Art.-No.	Anchor width b	Weight [kg]	VE/ Pall	Price €/ Piece
14121	120	0,87	500	2,15
14121	130	0,89	500	2,20
14121	140	0,91	500	2,25
14121	150	0,93	500	2,29
14121	160	0,95	500	2,35
14121	170	0,97	500	2,40
14121	180	1,00	500	2,47
14121	190	1,03	500	2,55
14122	200	1,06	500	2,62
14122	210	1,09	500	2,70
14122	220	1,12	500	2,77
14122	230	1,15	500	2,84
14122	240	1,17	500	2,89
14122	250	1,20	500	2,97
14122	280	1,28	350	3,17
14123	300	1,34	350	3,31

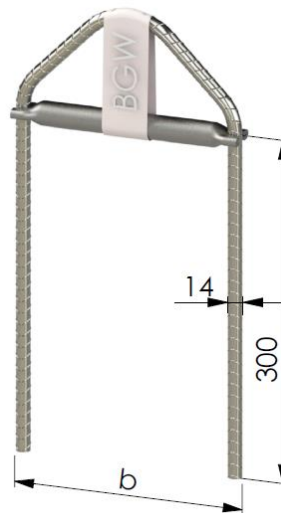


BGW transport anchor Fili14 – for double walls

04/21_(10/19)

Fili14 with reinforcing steel, load level 4.5t

Art.-No.	Anchor width b [mm]	Weight [kg]	VE/ 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

https://www.bgw-bohr.de/pdf/Filis_16_20_Typenberechnung.pdf

Video of the tensile test BGW-Fili14 (Ø 12mm): <https://bgw-bohr.de/video/Zugtest-Doppelwandanker-2.mp4>

Photo Documentation Type Testing

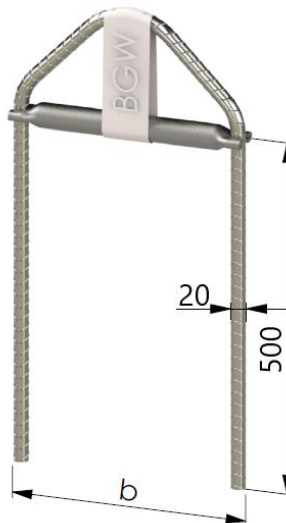
https://www.bgw-bohr.de/pdf/HP_Fotodokumentationen/Fotodokumentation_DWA_16_und_20.pdf

https://www.bgw-bohr.de/pdf/HP_Fotodokumentationen/Fotodokumentation_DWA_Ausziehversuche.pdf

Fili14 with reinforcing steel, load level 5.8t

Art.-No.	Anchor width b [mm]	Weight [kg]	VE/ Pallet	Price €/ Piece
1416120	120	1,95	250	5,80
1416130	130	2,00	250	5,87
1416140	140	2,07	250	5,94
1416150	150	2,13	250	6,01
1416160	160	2,19	250	6,08
1416170	170	2,26	250	6,15
1416180	180	2,35	250	6,22
1416190	190	2,38	250	6,29
1416200	200	2,44	250	6,36
1416210	210	2,51	250	6,43
1416220	220	2,57	250	6,50
1416230	230	2,63	250	6,57
1416240	240	2,69	250	6,64
1416250	250	2,75	250	6,71
1416280	280	2,82	200	6,92
1416300	300	2,88	200	7,30

Other sizes on request!



Fili14 with reinforcing steel, load level 8.5t

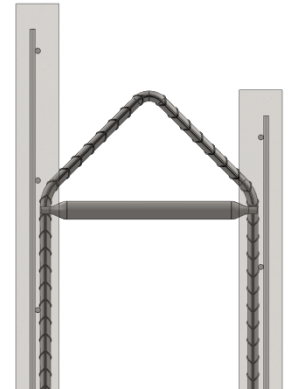
Art.-No.	Anchor width b [mm]	Weight [kg]	VE/ Pallet	Price €/ Piece
1420120	120	3,05	175	7,40
1420130	130	3,12	175	8,00
1420140	140	3,19	175	8,10
1420150	150	3,26	175	8,20
1420160	160	3,33	175	8,30
1420170	170	3,40	175	8,40
1420180	180	3,47	175	8,50
1420190	190	3,54	175	8,60
1420200	200	3,61	150	8,70
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

04/19_(05/19)

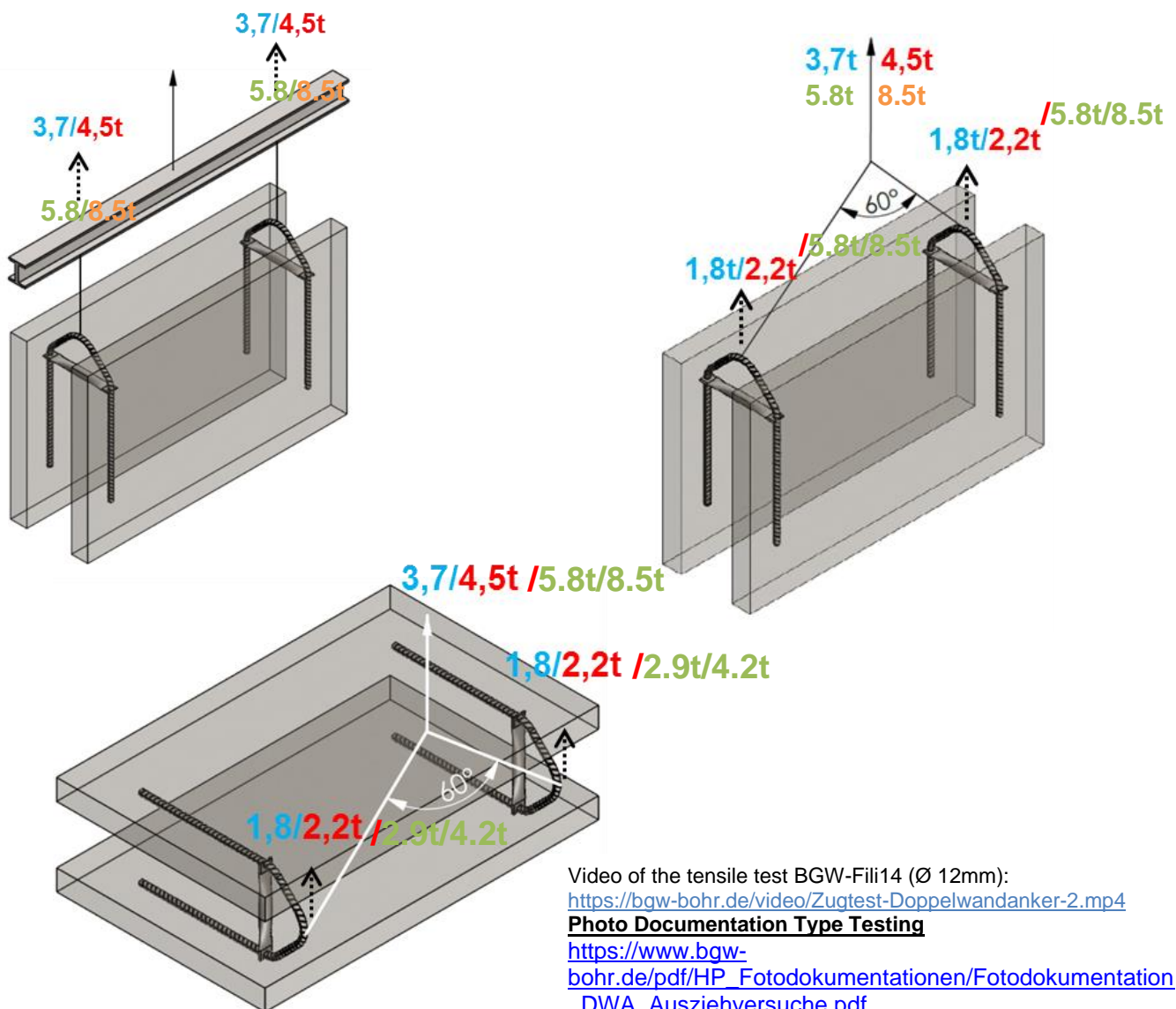
According to BGR 106, the Fili14 is permanently marked in the stop triangle with the information on the manufacturer, anchor type and load level, as required by the safety rule. After the Fili14 has been concreted into the double wall, this marking band can be pierced by the chain hook.

The installation of the Fili14 transport anchor is very fast, very easy and there is no installation direction to consider. For the specialist, the installation is self-explanatory. The top edge of the transport anchor should be at the same height or slightly lower than the top 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 would always have to be installed at 90° to the wall plane. In the case of loose reinforcement, adjust the anchor as before and then attach the double wall anchor to it with a crossbeam resting on the lattice girders to the right and left of the double-wall transport anchor.



The BGW transport anchor Fili14 with reinforcing steel $\varnothing 12$ is designed for an axial load of 3.7 tonnes, for $\varnothing 14$ for 4.5 tonnes, for $\varnothing 16$ for 5.8 tonnes and for $\varnothing 20$ for 8.5 tonnes. This has been tested with a concrete strength of C25/30 and a concrete cover of the two legs of at least 10 mm. The maximum load per anchor during erection or oblique tension is 1.8 tons for $\varnothing 12$ reinforcing steel, 2.2 tons for $\varnothing 14$ reinforcing steel, 2.9 tons for $\varnothing 16$ reinforcing steel and 4.2 tons for $\varnothing 20$ reinforcing steel. Crane lifting load factor must not exceed 1.1.

The stop for the load hook is located in 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 coincide with the load level of the anchor bracket in order to achieve a secure fit and an even distribution of the load on the anchor shackle.



Video of the tensile test BGW-Fili14 ($\varnothing 12$ mm):

<https://bgw-bohr.de/video/Zugtest-Doppelwandanker-2.mp4>

Photo Documentation Type Testing

https://www.bgw-bohr.de/pdf/HP_Fotodokumentationen/Fotodokumentation

[DWA_Ausziehversuche.pdf](https://www.bgw-bohr.de/pdf/HP_Fotodokumentationen/Fotodokumentation_DWA_Ausziehversuche.pdf)

BGW Transport Anchor Fili14 "Self-Assembly"

04/23 (03/22)

According to our bending instructions, these brackets of the Fili14 double wall anchors can be easily bent and assembled by you yourself with your machine from your material.

See our video: https://www.bgw-bohr.de/video/2020-10-28_Montage_Fili14.avi

In the case of the "self-assembly" double wall anchor, we supply you with the appropriate cross brace and the marking tape. This indicates the type of anchor, the load level and the manufacturer and is used to fix the cross brace between the legs of the anchor shackle.

Advantages of self-assembly:

- Cost savings - Space-saving storage - Simplified logistics

In order to guarantee the consistent quality of the anchor bracket, it is manufactured at BGW, from concrete ribbed steel, from the ring in special grade Din 488, using modern [CNC bending machines](#). The material is gently bent into structures, which is sufficient for most steel. In order to normalize the structure, these stirrups would have to be heated in the bend.

This transport anchor is especially suitable for installation during the production of double walls by means of a turning station.

Assembly instruction:

Into the precisely bent anchor bracket (bending rollers according to DIN) <https://www.bgw-bohr.de/video/DSCN0389.avi>

is inserted between the anchor legs, the crossbar matching the length and load level and pressed firmly into the stop triangle.

The crossbar must then be secured with the marking tape. For this purpose, the marking tape corresponding to the load level of the anchor is inserted into the special dispenser and wound around the cross brace and anchor point about three times, starting at the attachment point for the load handling device.

If the Fili14 is manufactured according to the instructions provided by us and with the materials supplied by us, our technical documentation and approvals of the 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>

Assembly tools Fili14

Device for mounting the cross brace

Art.-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 the Identification tape Fili14

Art.-No.	Price €/piece
801572	25

BGW Fili14 Identification Tape (66 mtr. per roll)

the marking tape is not UV-resistant

Art.-No.	Load level t	Packing unit pcs/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"

06/23 (03/22)

Information on how to order the cross braces:

For the wall width given in the table (concrete wall width), it is assumed that the transport anchor is 60 mm less wide on the outside (concrete cover) than the double wall, i.e. 30 mm concrete cover of the anchor legs from each side.

The calculated internal dimension of the cross brace is the internal dimension of the anchor brackets between the legs.

Example: Reinforcing ribbed steel Ø 14mm, concrete wall width outside 270mm, concrete covering of both anchor legs 30mm,

270mm concrete wall strip width - 60mm concrete cover of anchor legs = 210mm outer width of anchor bracket, less 2x Ø 14mm concrete ribbed steel = 182 mm inner dimension of the anchor bracket,

minus approx. 2mm for the ribs = 180mm inner leg dimension of the anchor bracket or the length of the crossbar inside the radius,

Cutting of the tube cross brace = 180mm + 14mm + 14mm = 208mm length outside all



Length of the pipe cross brace for anchor bracket Load level 3.7t = concrete wall thickness - 74mm, for 4.5t - 75mm, for 5.8t - 78mm, for 8.5t - 82mm

Material: Special grade steel tube

Fili14 cross brace for load level 3.7 t

Material: Special grade steel tube

Art.-No.	Wall width mm	Weight medical history	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 on request

Fili14 cross brace for load level 4.5 t

Material: Special grade steel tube

Art.-No.	Wall width mm	Weight medical history	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	2,20
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

Other wall thicknesses on request

Fili14 cross brace for load level 5.8 t

Material: Special grade steel tube

Art.-No.	Wall width mm	Weight medical history	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

Other wall thicknesses on request

Fili14 cross brace for load level 8.5 t

Material: Special grade steel tube

Art.-No.	Wall width mm	Weight medical history	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 on request

BGW Transport Anchor Fili15

- with laterally flared anchoring legs

- A further development of the type-tested BGW Fili2, but without welds –

This transport anchor is especially suitable for installation during the production of double walls by means of a turning station.

Further features of the Fili15 are that the anchor bracket is heated inductively in the bending area/in the attachment area. Here is a short video about it:

https://www.bgw-bohr.de/video/2021_04_13_Fili15.avi

The primary material according to DIN 488 is the primary material used for this anchor bracket.

In order to avoid the risk of embrittlement due to machining 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 crossbar is clamped between the anchor legs with low tension. There are no structural changes, such as those caused by welding or even by a little welding.

The position stabilization of the cross brace in the crossing points is fixed with hot melt adhesive directly in the bending area on the anchor legs. This hot melt adhesive has the function of a seal to detect any change in the product.

The prescribed welding distance of the cross brace after bending is omitted in this manufacturing process.

The cross brace is inserted directly into the bends to the stop triangle.

The anchor bracket remains dimensionally stable even under load.

In the lower anchor leg area, the two anchor legs are kept parallel to each other by means of a strong plastic band.

The manufacturer's data, the type of anchor and the load-bearing capacity for axial, transverse and oblique tension are also written on this plastic tape.

In order to further increase the safety against concrete breakout in the young concrete, we enlarge the Fili15 by a few mm by slightly turning the anchor legs outwards in the area of the plastic strap by bending both anchor legs outwards to increase the anchoring area of the anchor bracket.

According to the tables, the Fili15 transport anchor can be fully loaded on both sides, in the case of inclined and transverse pulling, also in the area of the cross brace.

It was ensured that the transport anchor could not fail in the area of the stop for the load handling device and in the area of the built-in cross brace.

Fili15 with reinforcing steel, Ø 14

Fili15 made of steel DIN 488 WR high ductile, load level 4.5t

Art.-No.	Anchor width b	Weight [kg]	VE/ Pallet	Price €/ Piece
151412	120	1,12	500	2,86
151413	130	1,15	500	2,96
151414	140	1,17	500	3,06
151415	150	1,19	500	3,16
151416	160	1,22	500	3,26
151417	170	1,24	500	3,38
151418	180	1,27	500	3,52
151419	190	1,31	500	3,70
151420	200	1,34	500	3,84
151421	210	1,37	500	3,98
151422	220	1,41	500	4,16
151423	230	1,44	500	4,32
151424	240	1,47	500	4,48
151425	250	1,50	500	4,60
151428	280	1,60	300	5,02
151430	300	1,66	300	5,26



BGW transport anchor Fili16 – for double walls

01/24^(01/24)

-Where safety, price, DIN conformity and fast installation are the priorities –

The BGW transport anchor Fili16 for transporting double walls.

This double wall anchor consists of a bracket made of approved DIN 488 steel and the cross bar (pressure rod) made of mat. S235.

The crossbar is molded at both ends to match the legs of the anchor bracket. This crossbar formed in this way is inserted in the articulated corners of the geotriangle and is fixed to the stop corner of the geotriangle with the closed rubber band to secure the position by rolling over and hooking it in.

This transport anchor is especially suitable for installation during the production of double walls by means of a turning station.

The pressure rod is shaped on both front sides in such a way that it is firmly attached to the anchor legs. It is placed directly at the bends of the anchoring legs, so that deformation of the stop triangle under the wall load is prevented. When paving, care must be taken to ensure that the concrete cover of the legs of at least 10mm is maintained.

The elastic band is intended for temporary, i.e. temporary, fixing of the cross brace until after the anchor bracket has been set in concrete.

Without a crossbar 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 crossbar shaped at the front, as in the case of Fili14 and Fili16, carries more than one weld seam.

If the concrete is hardened, the concrete permanently fixes the cross brace and thus prevents the anchor legs from being torn out of the concrete shells under the weight of the double wall towards the middle of the wall. If the concrete is solid, this rubber band is no longer needed.

Fili16 with reinforcing steel, Ø 12; Ø 14; Ø 16 and Ø 20

https://bgw-bohr.de/pdf/Filis_12_14_Typenberechnung.pdf

https://www.bgw-bohr.de/pdf/Filis_16_20_Typenberechnung.pdf (PDF file)

Video of the tensile test BGW-Fili16 (Ø 12mm): <https://bgw-bohr.de/video/Zugtest-Doppelwandanker-2.mp4>

Pictures of the tensile test BGW-Fili16: https://www.bgw-bohr.de/pdf/Zugtest_Fili14_Bilder.pdf

https://www.bgw-bohr.de/pdf/HP_Fotodokumentationen/Fotodokumentation_DWA_Ausziehversuche.pdf

https://www.bgw-bohr.de/pdf/HP_Fotodokumentationen/Fotodokumentation_DWA_Ausziehversuche.pdf



Fili16 with reinforcing steel, load level 3.7t

Art.-No.	Wall width Mm	Anchor width b Mm	Weight kg	Pkkg. Unit	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



Fili16 with reinforcing steel, load level 4.5t

Art.-No.	Wall width Mm	Anchor width b Mm	Weight kg	Pkkg. Unit	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 5.8t

Art.-No.	Wall width Mm	Anchor width b Mm	Weight kg	Pkkg. Unit	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 8.5t

Art.-No.	Wall width Mm	Anchor width b Mm	Weight kg	Pkkg. Unit	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"

01/24^(01/24)

- According to our bending instructions, these brackets of the Fili16 double wall anchors can be easily bent and assembled by you yourself with your machine from your material.

See our video: https://www.bgw-bohr.de/video/2020-10-28_Montage_Fili14.avi

In the case of the "self-assembly" double wall anchor, we supply you with the matching cross brace and the closed rubber band and these data rings belonging to the load stage. This indicates the type of anchor, the load level and the manufacturer and is used to fix the cross brace between the legs of the anchor shackle.

Advantages of self-assembly:

- Cost savings - space-saving storage - simplified logistics



The elastic band is intended for temporary, i.e. temporary, fixing of the cross brace until after the anchor bracket has been set in concrete.

Without a crossbar 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 crossbar shaped at the front, as in the case of Fili14 and Fili16, carries more than one weld seam.

If the concrete is hardened, the concrete permanently fixes the cross brace and thus prevents the anchor legs from being torn out of the concrete shells under the weight of the double wall towards the middle of the wall. If the concrete is solid, this rubber band is no longer needed.

Fili16 cross brace for load level 3.7 t

Art.-No.	Wall width Mm	Weight medical history	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 brace for load stage 4.5 t

Art.-No.	Wall width Mm	Weight medical history	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

Fili16 cross brace for load level 5.8 t

Art.-No.	Wall width Mm	Weight medical history	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 brace for load level 8.5 t

Art.-No.	Wall width Mm	Weight medical history	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

Elastic band closed

Art.-No.	Price €/ Piece
801510	0,10

BGW Data Carriers (Data Rings)

Art.-No.	Load level t	Pkgg. Unit	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



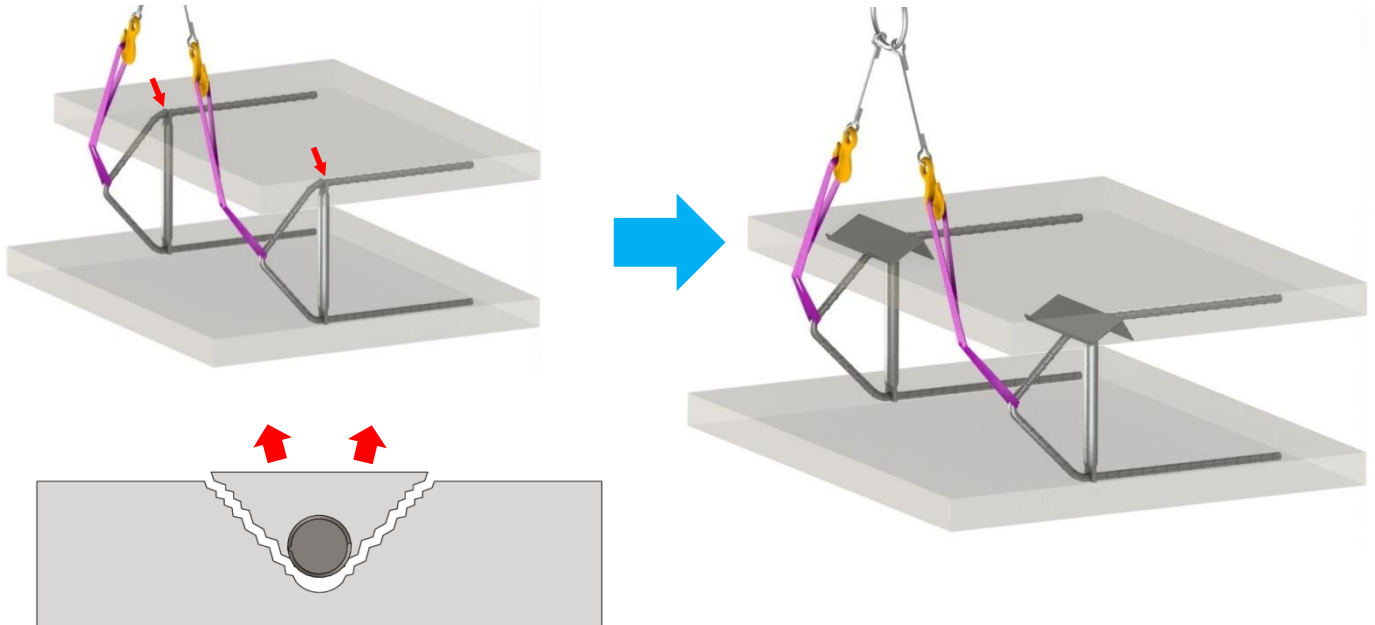
BGW Erection Reinforcement (Fili)

01/22(05/19)

for BGW double-wall transport anchors

The erection reinforcement is a component of the BGW double-wall transport anchor system.

Especially when erecting and transporting double walls horizontally, BGW erection reinforcement is recommended to avoid cracks. The way the erection reinforcement works is to increase the area between the filigree anchor and the concrete. As a result, the weight force of the precast concrete element is distributed over a larger area and thus the formation of cracks in the load zone is avoided.

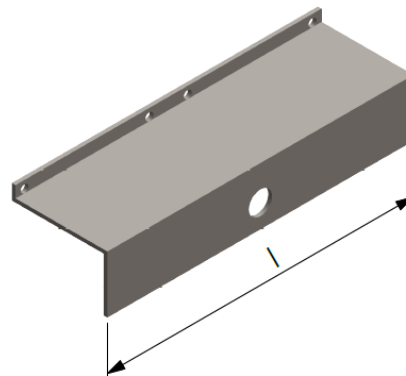


The erection reinforcement is usually a double-edged, stiff sheet metal part, which is pushed over onto an anchor rod of the double wall anchor and attached to the stop triangle. The erection reinforcement can also be installed retrospectively during the installation of the double wall anchor before concreting. It is installed in the wall shell, which is on top during transport.

With the concrete strength of the load-bearing wall shell C 25/30 and the concrete shell thickness of approx. 60 mm, the concrete breakage or the first cracks only occur at a minimum of 2500 kg per double wall anchor.

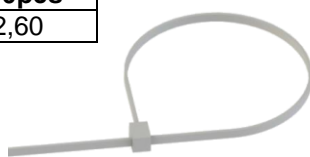
BGW Erection Reinforcement

Art.-No.	l Mm	Price €/piece
4646	200	1,95



Cable tie (for attaching BGW erection reinforcement to the anchor)

Art.-No.	Price € 100pcs
56484	2,60



Pictures of the tensile test BGW-Fili14 with erection reinforcement:
https://www.bgw-bohr.de/pdf/Zugtest_Fili14_Bilder.pdf

Video of the tensile test BGW-Fili14 with erection reinforcement:

<http://bgw-bohr.de/video/zugtest-Doppelwandanker.mp4>

Video of the tensile test BGW-Fili14 (Ø 12mm):

<http://bgw-bohr.de/video/Zugtest-Doppelwandanker-2.mp4>

Photo Documentation Type Testing

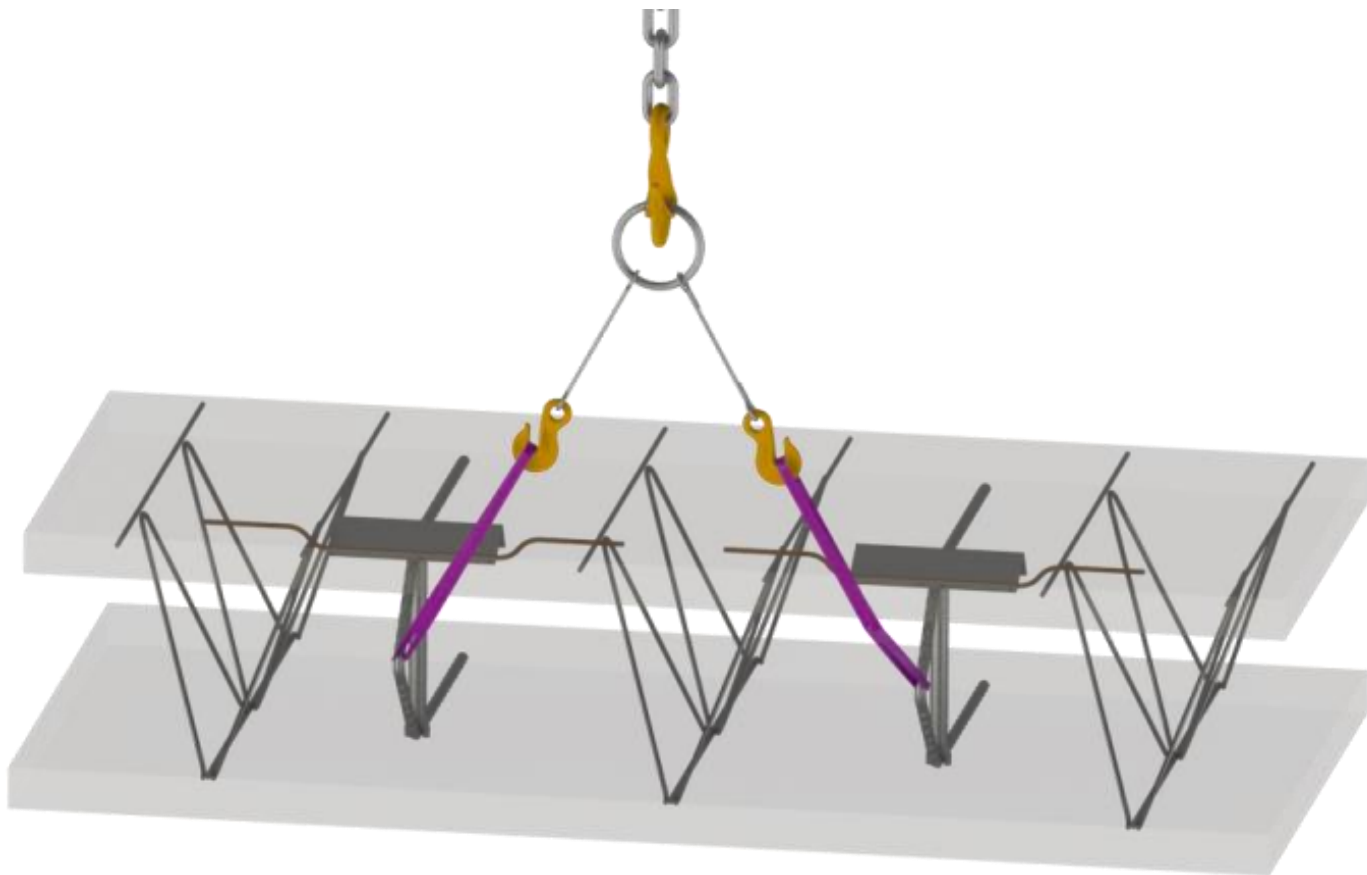
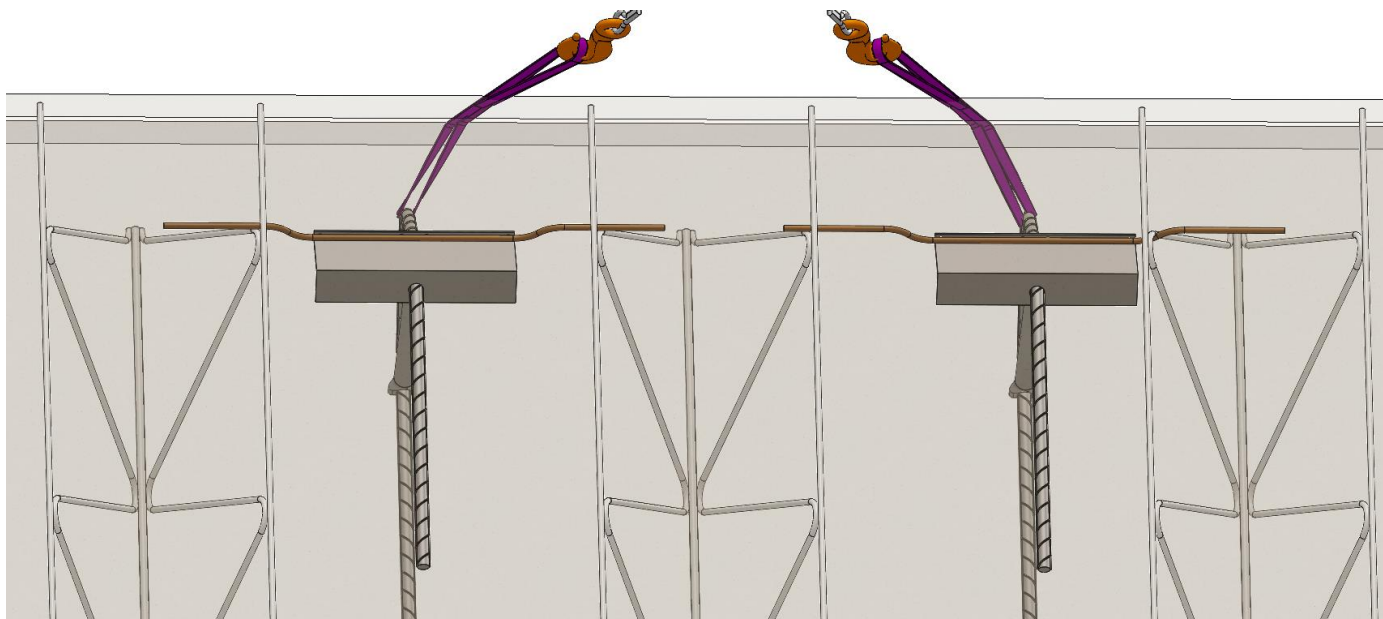
https://www.bgw-bohr.de/pdf/HP_Fotodokumentationen/Fotodokumentation_DWA_Ausziehversuche.pdf

BGW Erection Reinforcement (Fili) for BGW double-wall transport anchors

05/19_(05/19)

Installation instructions for maximum possible load capacity:

To do this, place the double wall anchor between the lattice girders. In addition, a reinforcing bar (approx. \varnothing 12 mm) is attached directly to the erection reinforcement along the gutter of the erection reinforcement. In doing so, this reinforcing bar must encroach on the adjacent lattice girders or be attached to these lattice girders. The erection reinforcement must be secured in position so that it cannot slip when compacting the concrete. The erection reinforcement is installed in the first concrete shell. The concrete of this shell is usually at least one day older and stronger than the subsequent wall shell.



BGW-coupling tape - the mounting aid for walls -mount without climbing

Advantages

- No ladder needed => Lower risk of accident when hanging up and loosening 03/19^(03/19)
- Faster attachment and detachment of wall elements
-

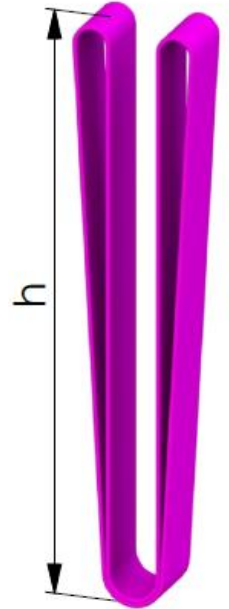
The BGW-coupling tape is an important component of the BGW-double wall lifting anchor system. In order to avoid rising on walls when hitching the lifting device, the BGW-coupling tape is used.

The BGW coupling tape can be pulled into the still lying wall through the lifting anchor in the precast plant. The BGW coupling tape must be able to move freely in the stop area of the double wall anchor so that it can be freely pulled out from the stop area of the anchor after a strand of the coupling band has been unhooked from the stop band. In the movie you can see how it works in practice: <https://youtu.be/fm6zY27VV9k>

The BGW coupling tape is approx. 6m long. In the case of a standing 3 m high wall, the impactor, at a height of approx. 1.5 m, standing on the ground, can unhook the tape from the hook of the transport hanger.

The requirement of the professional association for a ladderless construction site, we are thus a bit further. Ladders or other aids are thus not needed as often. So that the sharp-edged concrete does not damage the coupling tape, the double wall would have to chamfer in the area of the transport anchor when concreting the double wall.

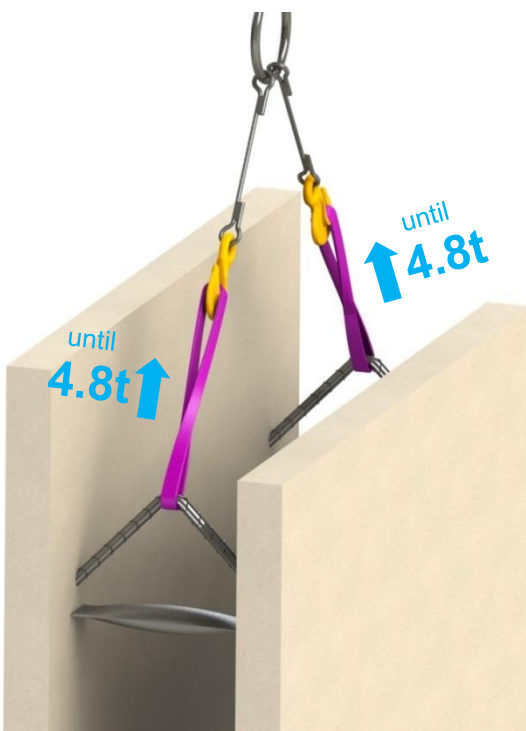
The coupling tape had to be replaced by an undamaged one as soon as it is damaged



BGW Coupling tape for double walls

Art.-No.	Loading step t	h Mm	Weightkg/piece	Price €/piece
4640	4.8t	1500	0,730	7,00
4641	4.8t	625	0,290	5,80

[Video of the application](#)



BGW-Assembly Package or „Everything for assembly“

05/08_(07/15)

When assembling precast concrete parts many different additional articles are needed. For example, underlays for level control, angle for connecting the individual elements, impact anchors, screws and matching dowels. In order to have all parts in sufficient quantity ready, a high logistical effort is required. The risk that unnecessarily costs are generated by building delays due to lack of small parts is still high.

We offer you to deliver customized packages for you on fixed terms.

Identification of the BGW assembly package:

individual composition according to your specifications

labeled containers with customer logo (e.g., plastic bucket)

Delivery together with promotional materials (folding rules, brochures, instructions for use)

On-time delivery at predefined quantities

short-term delivery through pre-production

Your advantages:

Costing: Manageable and transparent costs

Customer service: Additional aids can be supplied at any time, for a fixed price

Working time savings: Individual parts do not have to be procured separately

Logistics is greatly simplified, the required materials are reliably available at the construction site

Safety: Installation of the walls through predefined operations, suitable mounting material and clear instructions for use

Warranty: clear definition through assembly instructions

Possible contents assembly package:

Mounting bracket

Washers of plastic

Impact anchor

Screws with matching plastic dowels

Folding rule

assembly Instructions

Innovation: with stone screws instead of dowels

We will gladly make you an offer about your individual assembly packages



Content (example 1): Assembly Package for prefabricated walls Art.-No. 5094

art.-no.	description	dimension	amount
5087	mounting plate	70x70x2	30
5090	mounting plate	70x70x5	20
5091	mounting plate	70x70x10	30
5093	mounting plate	70x70x20	35
56374	impact anchor, galvanized	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	assembly corner bracket	200x260x25x1	25



Content (example 2): Assembly Package for prefabricated walls Art.-No. 5094-5

art.-no.	description	dimension	amount
5087	mounting plate	70x70x2	40
5088	mounting plate	70x70x3	40
5090	mounting plate	70x70x5	40
5091	mounting plate	70x70x10	40
5093	mounting plate	70x70x20	40
561781	screws DIN 571	12,0x80	60
56309	washer DIN 9021 galvanized	13x40	60
562826	plastic dowels	14x70	55
0518 230x190	assembly corner bracket	230x190x50x5	8
562828	folding rule		1
	assembly instructions		1
562830	PVC bucket 18L		1
562829	carpenter pencil		1



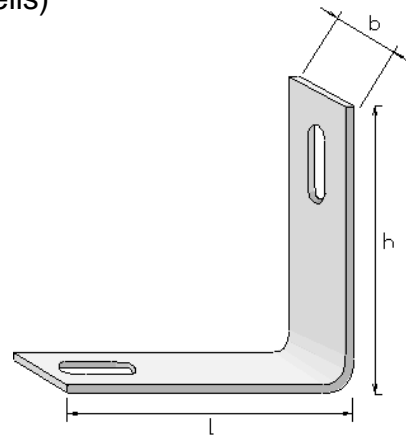
You receive prices on request!

BGW-Installation Angle & Installation Package

For precast concrete elements (e.g. element walls, light wells)

Excerpt from our product list:

Art.-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	on request
0518 150x75x8M	150	75	60	8	on request
Phone 0518 150x70x10	150	100	70	10	on request
Phone 0518 180x100x10	180	100	100	10	on request
Phone 0518 200x50x5	200	200	50	5	on request
Phone 0518 230x190	230	190	50	5	on request
Phone 0518 300x300x5	300	300	60	5	on request
Phone 0518 465x60x5	465	465	60	5	on request



Each available with different hole pattern (e.g. slotted hole).

We would be happy to make you an offer for your specific application

BGW Installation Packages

For the quick assembly of precast concrete elements on the construction site

Content (example): Assembly package for prefabricated walls Art.-No. 5094

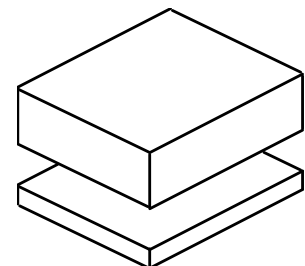
Art.-No.	Designation	Dimension	Number
5087	Mounting plate	70x70x2	30
5090	Mounting plate	70x70x5	20
5091	Mounting plate	70x70x10	30
5093	Mounting plate	70x70x20	35
56374	Lightning anchors, galvanized	M12 x 110	30
56307	Screws DIN 571	8.0 x 40	50
56273	Screws DIN 571	12.0 x 70	30
56308	Washer DIN 9021, verz.	8.4 x 24	50
56309	Washer DIN 9021, verz.	13.0 x 40	60
Phone 0518 200x260	Mounting corner bracket	200x260x25x1	25

Prices are available on request!



BGW installation plates made of plastic (impact and splinterproof)

Art.-No.	l Mm	b Mm	h Mm	Price €/1000 piece
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



Order form BGW-Installation bracket (MW)

04/11_(12/06)

The mounting brackets are equipped with versions

Available in the following

Available in different hole patterns:

(Material/Material):

Please tick the desired hole pattern

Please tick the appropriate box

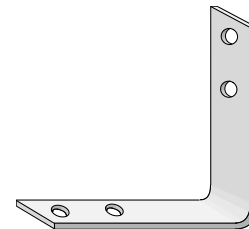
Lace pattern	
<input type="checkbox"/>	with round holes
<input type="checkbox"/>	with round holes and slotted holes
<input type="checkbox"/>	with slotted holes
<input type="checkbox"/>	with slanted holes
<input type="checkbox"/>	with slanted holes and round holes

Executions	Our offer for you - Price/€
<input type="checkbox"/> bent from flat steel	
<input type="checkbox"/> made of hot-rolled angle steel/sharp-edged	
<input type="checkbox"/> broke	
<input type="checkbox"/> galvanized	
<input type="checkbox"/> hot-dip galvanized	
<input type="checkbox"/> Stainless steel	

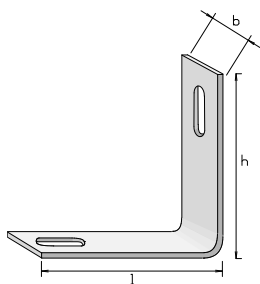
Please enter the required quantity

Art.-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	
Phone 0518 150x70x10	150	100	70	10	
Phone 0518 180x100x10	180	100	100	10	
Phone 0518 200x50x5	200	200	50	5	
Phone 0518 230x190	230	190	50	5	
Phone 0518 300x300x5	300	300	60	5	
Phone 0518 465x60x5	465	465	60	5	

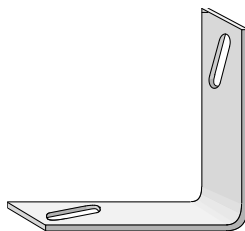
Round holes



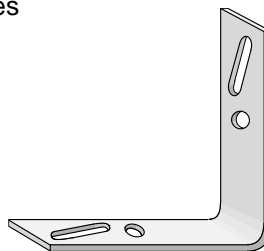
Slots



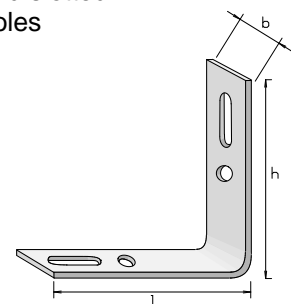
Slotted holes at an angle



Slotted holes beveled and round holes



Round holes and slotted holes



The number of holes is variable; each for your specific application

Examples:

Angle:	Hole Pattern:	Number of holes:
Phone 0518 70x70x35/7	Round holes	2 on each side
Phone 0518 70x70x35/7	Slots	1 on each side
Phone 0518 70x70x35/7	Round Hole/Slotted Hole	1 on each side
Phone 0518 230x190x50/5	Round holes	3 on each side
Phone 0518 230x190x50/5	Bevel holes/round holes	1 bevel hole & 2 round holes on each side

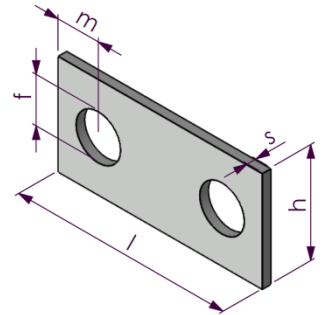
Please send us a sketch with your inquiry/order.

BGW- Mounting bracket (MW)

04/18^(04/18)

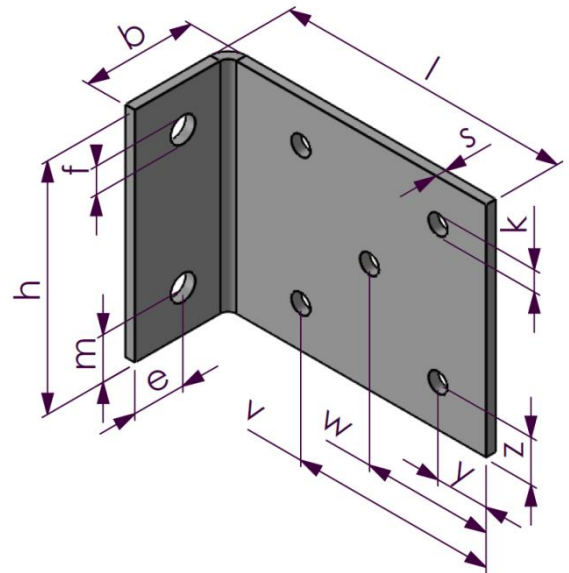
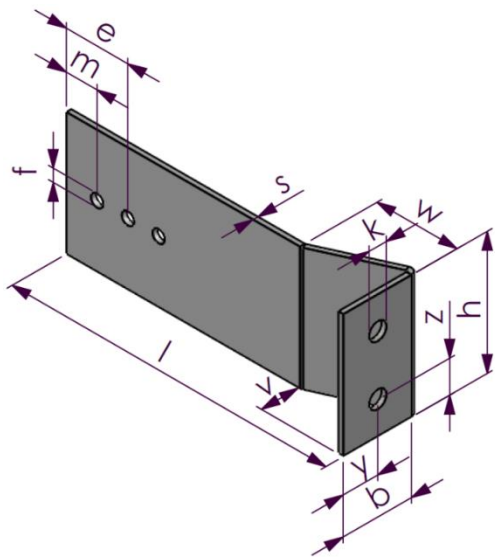
BGW mounting brackets are used in steel construction. They are ideal for fastening steel profiles in hall construction or other steel structures. BGW mounting brackets are made of hot-dip galvanized steel and are available in various designs.

Art.-No.	Material	l [mm]	h [mm]	s [mm]	f [mm]	m [mm]	Weight kg/piec	Price €/piece
Phone 0518 142x70x6	Steel	142	70	6	31	28	0,40	1,38
0518 142x70x6-V	Steel, galvanized	142	70	6	31	28	0,42	2,96



Art.-No.	Material	l [mm]	w [mm]	h [mm]	s [mm]	f [mm]	k [mm]	m [mm]	z [mm]	Weight kg/piece	Price €/piece
Phone 0518 190x60x6	Steel	190	60	60	6	11	30	15	95	0,99	3,96
0518 190x60x6-V	Steel, galvanized	190	60	60	6	11	30	15	95	1,06	8,07

Art.-No.	Material	l [mm]	w [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
Phone 0518	Steel	255	60	100	4	10	25	50	14	26	28	65	30	0,97	3,88
0518 255x100x4-V	Steel, galvanized	255	60	100	4	10	25	50	14	26	28	65	30	1,04	7,92



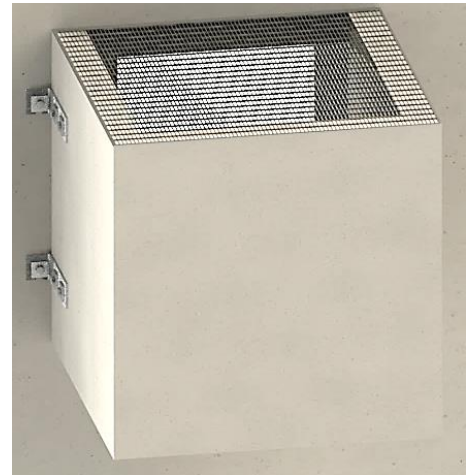
Art.-No.	Material	l [mm]	w [mm]	h [mm]	s [mm]	f [mm]	m [mm]	e [mm]	k [mm]	z [mm]	y [mm]	w [mm]	v [mm]	Weight kg/piece	Price €/piece
Phone 0518	Steel	195	75	160	7	18	30	35	14	30	35	85	135	2,19	8,77
0518 195x160x7-V	Steel, galvanized	195	75	160	7	18	30	35	14	30	35	85	135	2,34	17,82

Other dimensions on request!

BGW mounting bracket (MW) with surface tothing

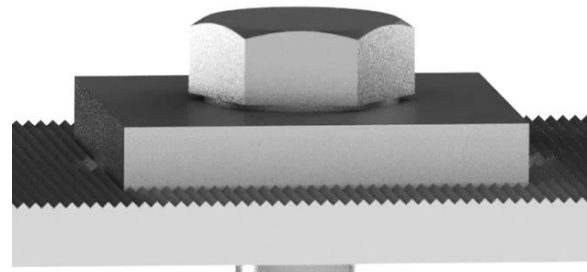
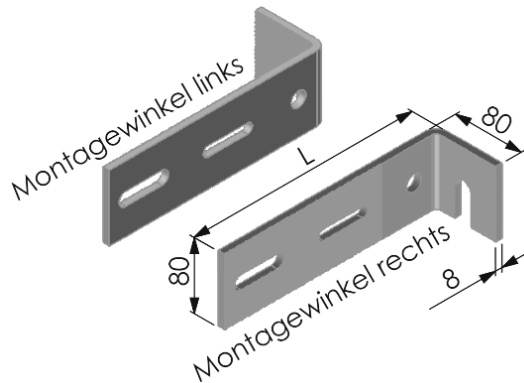
12/17^(12/17)

With a BGW mounting bracket, components are screwed together. Due to the interlocking between the mounting bracket and the shim, it is impossible for screwed-on components to move. Even when screwdriving is partially loosened, the components remain fixed by the gearing. A good application example for BGW mounting brackets is the light well for the basement windows. Light wells fixed with BGW mounting brackets are positionally secure against buoyancy in the event of flooding or earth mass movements.



Advantages

- Position reliability despite flooding, landslides or earthquakes.
- Secure fastening due to tooth profile even with partially loosened screws



BGW mounting bracket made of S235JR galvanized (left/right)

Art.-No.	Execution	Color Surface	Length l mm	Weight medical history	Price €/piece
Phone 0518 265x80x8ZVL	left	gold	265	1,4	6,50
Phone 0518 265x80x8ZVR	right	blue	265	1,4	6,50

BGW mounting bracket made of stainless steel V2A/V4A (left/right)

Art.-No.	Execution	Color Surface	Length l mm	Material	Weight medical history	Price €/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 Toothed Pulley

Art.-No.	Material	Dimensions l x w x h Mm	Price €/piece
7291	S235, galvanized	40x40x6	1,98
7299	V4A	40x40x6	3,01

Screw M16

Art.-Nr.	Material	Länge l mm	Verp. Einh. Stück	Preis €/Stück
562434	S235, verzinkt	35	100	0,28
562434EE	V4A	35	100	3,70

BGW - Chimney Bracket

03/24(03/24)

Chimney brackets must be installed in the uppermost concrete ceiling as well as in the attic space and in the chimney roof overhang to secure, brace and prevent chimney break-off after the last clamping.

Installation of the chimney bracket

On each threaded rod, 2 pieces of the sheath stone brackets are to be pushed with the rubberized side facing inwards. On both sides, 2 pieces of washers have to be pushed on and 2 pieces of nuts have to be screwed on. The mantle stone brackets are to be attached to the chimney by means of nuts and washers. The threaded rods must rest on both rafters to the right and left of the chimney.

At each end of the threaded rods, a nut must be pre-screwed to the middle of the rafters. A washer and a rafter bracket must be pushed on each side. The rafter brackets are to be fixed with additional washers and nuts.

The mantle stone brackets must now press against the mantle stone before the rafter brackets are permanently attached to the rafter. In order to create a preload at this point on the chimney, the threaded rods could be pre-tensioned by means of a ratchet belt. Then screw the wood screws into the rafters.

Chimney Bracket Set:

- 2 threaded rods M20 x 1250 mm 8.8 galvanized
- 4 pieces of sheathed stone bracket: clamping bracket 200x50x50x5mm with welded pipe sleeve \varnothing 26.7 x 80 mm, galvanized, for M20 threaded rods, bracket glued over the entire inside with foam rubber (sound insulation).
- 4 pieces of "rafter bracket": flat steel 200x50x6 mm with holes \varnothing 9 mm, with welded pipe sleeve \varnothing 26.7 x 80 mm for guiding the threaded rods M20, galvanized
- 8 pieces wood screws M8 x 80 DIN 571 galvanized
- 12 pieces of hexagon nuts M20 DIN 934 galvanized
- 12 washers for M20 DIN 125 galvanized



BGW concrete loops (BS loop) made of wire rope (galvanized)/PP

12/12_(12/18)

BGW wire rope concrete loops are transport anchors for precast concrete elements whose stop side is no longer visible after installation. Therefore, they are particularly suitable for prefabricated foundations, beams and retaining walls.

Load Capacity Tables and Instructions for Use:

https://bgw-bohr.de/pdf/Betonschlaufen_Tragfähigkeitstabelle_Verwendungsanleitung.pdf

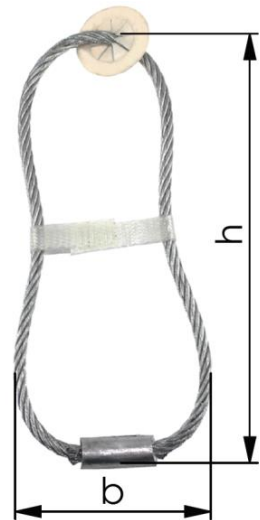
https://bgw-bohr.de/pdf/Betonschlaufen_Fotodokumentationen.pdf

EC Declaration of Conformity:

https://bgw-bohr.de/pdf/CE_Zeichen/EG-Konf_BGW-Betonschlaufe_alle_Laststufen.pdf

Please note:

Concrete loops must be protected against crushing, corrosion and kinking during storage and processing. Rope clamp made of aluminium – also made of steel on request

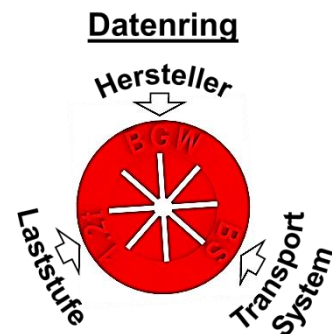


BGW concrete loops made of wire rope, galvanized

Art.-No.	Loading step t	Rope Ø Mm	h Mm	b Mm	Width Strapping [mm]	Color Data Ring	P.-Unit Piece	Weight kg/piece	Price €/piece
4500	0,80	6	200	85	65	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 grey	20	0,28	2,90
4508	2,50	10	285	140	115	anthracite grey	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-grey	1	1,60	11,30
4519	10,00	20	510	250	180	Bordaux violet	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-grey	1	5,28	46,00
4526	25,00	30	800	380	300	clay brown	1	6,10	57,60



Art.-No.	Loading step t	Rope Ø Mm	h Mm	P.-Unit 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 construction to **BGW** wire rope concrete loops. PP concrete loops are easier to handle due to their elasticity and light weight.

Rope clamp made of aluminium – also made of steel on request

No.	Loading step t	Rope Ø Mm	h Mm	Color Data Ring	P.-Unit 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	Pastello orange	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 (BS loop) made of wire rope (galvanized) – special lengths

05/22^(05/22)

BGW wire rope concrete loops are transport anchors for precast concrete elements whose stop side is no longer visible after installation. Therefore, they are particularly suitable for prefabricated foundations, beams and retaining walls.

Note: The BGW concrete loops made of wire rope with special lengths are manufactured on customer request and are not type-tested because some of them have different lengths than our **standard concrete loops**. The rope qualities, the rope press clamps and the data rings are the same as the type-tested ones.

Please note:

Concrete loops must be protected against crushing, corrosion and kinking during storage and processing. Rope clamp made of aluminium – also made of steel on request

BGW concrete loops made of wire rope, galvanized - special lengths

Art.-No.	Loading step t	Rope Ø Mm	h Mm	b Mm	Width Strapping [mm]	Color Data Ring	P.-Unit Piece	Weight kg/piece
4503	0,5		300			Pastello orange	100	0,076
4500-2	0,8		200			White	100	0,080
4532	0,8		400			White	100	0,131
4500-550	0,8	6	550	85	65	White	100	0,150
4500-600	0,8	6	600	85	65	White	100	0,178
4501	0,8	6	800	85	65	White	100	
4502-400	1,2	7	400	90	70	fire-red	100	0,080
4502-500	1,2	7	500	90	70	fire-red	100	0,304
4533	1,6	8	300	100	70	light pink	50	0,131
4504-330	1,6	8	330	100	70	light pink	50	
4504-460	1,6	8	460	100	70	light pink	50	0,283
4504-500	1,6	8	500	100	70	light pink	50	
4504-545	1,6	8	545	100	70	light pink	50	0,287
4504-600	1,6	8	600	100	70	light pink	50	0,314
4506-360	2,0	9	360	125	95	white-green	50	0,255
4506-400	2,0	9	400	125	95	white-green	50	0,532
4506-600	2,0	9	600	125	95	white-green	50	
4508-330	2,5	10	330	140	115	anthracite grey	20	0,416
4508-600	2,5	10	600	140	115	anthracite grey	20	0,536
4508-620	2,5	10	620	140	115	anthracite grey	20	
4508-750	2,5	10	750	140	115	anthracite grey	20	0,310
4508-900	2,5	10	900	140	115	anthracite grey	20	0,737
4508-1200	2,5	10	1200	140	115	anthracite grey	20	
4510-500	4,0	12	500	160	130	emerald green	10	0,623

4510-550	4,0	12	550	160	130	emerald green	10	0,685
4510-600	4,0	12	600	160	130	emerald green	10	0,800
4510-750	4,0	12	750	160	130	emerald green	10	0,860
4510-950	4,0	12	950	160	130	emerald green	10	
4510-1050	4,0	12	1050	160	130	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-grey	1	2,32
4519-700	10,0	20	700	270		burgundy violet	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-grey	1	
4524-900	20,0	28	900			yellow-grey	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				1	
4529-1750	52,0	44	1750				1	27,000



BGW Open Concrete Loop (BSO)

02/22_(02/22)

BGW open concrete loops, for installation even in narrow components. The non-slipping shackle made of strong steel wire, which is firmly attached to the wire rope, or the pressed-in ring made of tubular steel ensures dimensional stability. The legs of the loop can be guided deep into the component behind the reinforcement and connected to the reinforcement. The user is responsible for the transmission of the forces.

The rope cuts for the open concrete loop are installation-dependent and can be determined by the customer himself, which will change the price.

BGW open concrete loop made of wire rope, galvanized

Art.-No.	Loading step t	Rope Ø Mm	Cutting L Mm	Width Strapping Mm	Color Data Ring	P.-Unit Piece	Weight kg/piece	Price €/piece
45000	0,8	6	940	65	White	100	0,130	4,25
45020	1,2	7	1.000	70	Fire-red	100	0,190	5,00
45040	1,6	8	1.200	70	light pink	50	0,292	5,25
45060	2,0	9	2.000	95	white-green	50	0,500	7,00
45090	2,5	10	1.940	115	anthracite grey	20	0,739	
45080	2,5	10	2.200	115	anthracite grey	20	0,838	7,25
45100	4,0	12	1.680	130	emerald green	10	0,921	10,25
45110	4,0	12	2.300	130	emerald green	10	1,260	
4512-1	5,2	14	610	160	curry yellow	1	0,414	
45120	5,2	14	2.000	160	curry yellow	1	1,358	14,75
45140	6,3	16	2.250	180	light blue	1	1,994	20,50
45160	8,0	18	2.500	170	silver-grey	1	2,200	28,25
45190	10,0	20	2.750	180	Bordaux violet	1	3,795	42,25
45200	12,5	22	2.950	225	sulfur yellow	1	4,927	52,00
45220	16,0	24	3.100	240	blue-purple	1	6,169	78,00
45240	20,0	28	4.000	260	yellow-grey	1	11,000	115,00
45260	25,0	30	4.000	300	clay brown	1	13,000	144,00



BGW - Weldable Concrete Loop

11/16_(11/16)

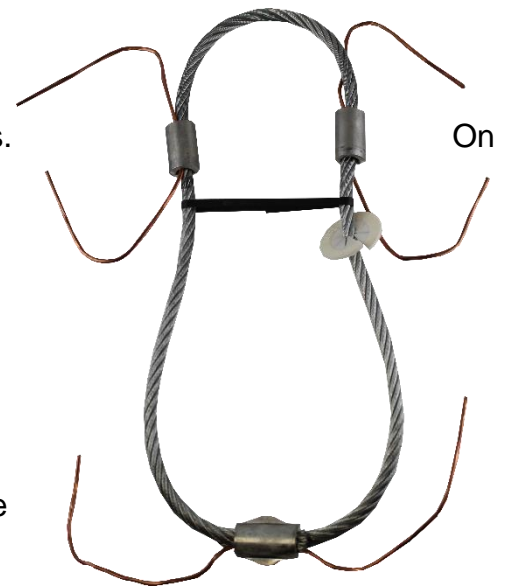
The BGW Weldable Concrete Loop is a normal type-tested BGW concrete loop, also called BS anchor.

The difference to a concrete loop or a BS anchor is that this concrete loop is equipped with additional pressed-on brackets. These brackets, the concrete loop can be connected to the reinforcing bars for position stabilization - also overhead - or welded on. It is then connected to the reinforcement in a firm, inseparable, positionally secure manner.

The concrete loop can be tied with soft wire to tie order with hard reinforcing bars for welding on the reinforcement will be supplied.

In the standard version, the concrete loop is equipped with the fastening option to the rope grouting clamp the side mounting options are we offer *on request*.

The side fastenings are particularly recommended in the case of so-called "open concrete loops" also for welding to the reinforcement.



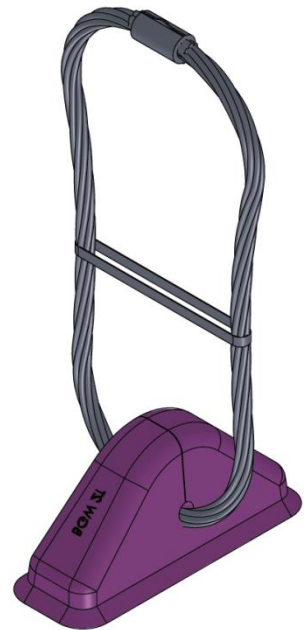
Art.-No.	Load level t	Rope Ø Mm	h Mm	Wire-length h L mm	Wire-Ø Mm	Width Strapping g/ Mm	Width w/mm	VE Piece	Weight kg/h	Price €/piece
4500S	0,80	6	200	100	2	65	85	100	0,07	2,20
4502S	1,20	7	225	100	2	70	90	100	0,10	2,60
4504S	1,60	8	245	200	2	70	100	50	0,15	2,75
4506S	2,00	9	265	200	2	95	125	50	0,21	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 Loops System for recessed installation

01/20_(01/20)

For various applications, it can be advantageous or necessary to install recessed 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 closed with mortar. BGW offers a complete system for this purpose. 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 Mounting Plate** (Type HM9)
- **Demoulding key** for pulling the retaining plate from the recess body
- **Combination tool:** for opening the recess body and removing the magnetic recess body from the steel formwork.

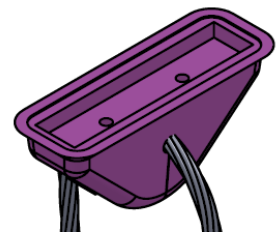


Load Capacity Tables and Instructions for Use:

[Tragfaehigkeitstabelle/BGW_BS-Tragfaehigkeitstabelle.pdf](#)

BGW BS Recess Body – "Little Boat" Shape

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

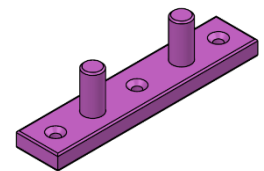


Other sizes on request.

BGW nail retaining plate for BS recess body in boat shape

No.	Load level t	Length mm	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

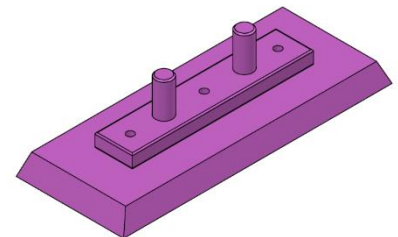
Other sizes on request



BGW Magnet HM9 for BS Loop Concrete Cover 12 mm

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 on request



Other Accessories

No.	Description	Price €
KeyHM9	Tool for demoulding the magnet	17,90
	Loosening tool length: 520 mm, sleeve 6.5 mm, sleeve 11 mmØ	



Indications for use:

The recess body as well as the magnetic holder must be coated several times with release agent on the side facing the concrete before first use.

The recess body is labelled with the load level, the manufacturer and the anchor type according to BGR 106. For example, the information can be read in the recess after demoulding.

BGW angle loops and moulded bodies

09/21^(04/22)

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.

To transfer the load into the structure, the angle loop is additionally reinforced as required. The eyelet for holding the crane hook can either protrude from the plate or be recessed into a recess.

Variant: BGW angle loops with backbendable angle for erecting concrete elements.

In principle, BGW angle loops can be installed in many components. The BGW angle loop is made of galvanized wire rope. To ensure that the flexible wire rope remains angled, the special iron rope clamp is angled approximately in the middle with the built-in rope. In the eye of the angle loop is a data ring with the information manufacturer, load level and anchor type. If there are broken or crushed wires on the wire rope, the angle loop must no longer be used. Before each use of the angle loop, a conscientious visual inspection must be carried out on it. A welding specialist can attach the reinforcement to the steel press sleeve to fix the angle loop. The load level of the angle loop indicated on the data ring always refers to the wire rope diameter. The user is responsible for securing the transmission of the forces acting on the wire rope into the component.

BGW concrete loops, angle loops also with already welded reinforcement

Datasheet:

Installation and usage instructions:

https://bgw-bohr.de/pdf/Winkelschlaufe_Einbauanleitung.pdf

Art.-No.	Load capacity	Loop h mm	Thigh 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 closure/sleeve

can be bent straight

Art.-No.	Buoyancy t	Loop h mm	Thigh 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



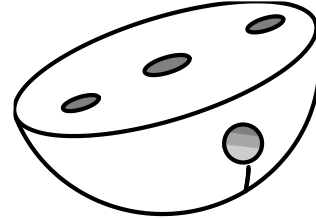
BGW angle loops and moulded bodies

09/21^(09/21)

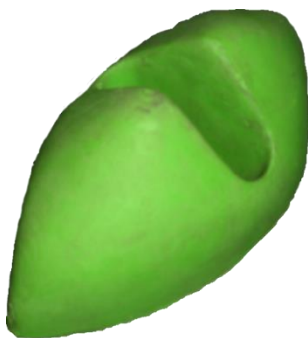
BGW moulded body for concrete loops, Angled loops semicircular or in the shape of a shuttle

The **BGW moulded body** is used to fasten the
Concrete loop for recessed installation on the formwork

Art.-No.	Buoyancy t	Ø Rope Mm	Price €/piece
1699	1,6	8	25,00
1697	2,0	9	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-on rods

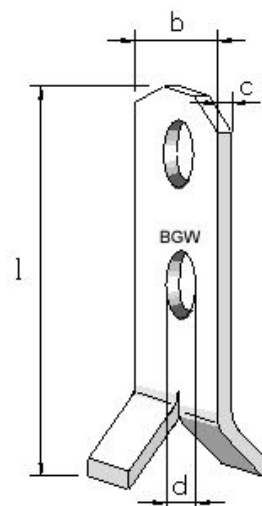


BGW-RKS Expansion Anchor

09/18^(09/18)

https://www.bgw-bohr.de/pdf/HP_RKS_Typenstatiken/RKS-Spreizanker_Typenstatik_Verwendungsanleitung_Tragtabellen.pdf

The **BGW** expansion anchor is an old, reliable transport anchor system. It is delivered ready for installation and is suitable for installation in all precast concrete elements. Before using the expansion anchor, the general conditions specified in the installation instructions must be checked. The **BGW two-hole** anchor is technically the same as the expansion anchor, but must be completed with reinforcement according to the installation instructions.



Surcharge:

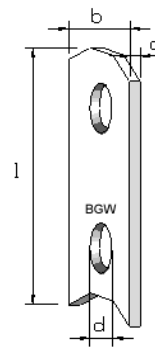
Galvanized: 1,20 € / KG

Hot-dip galvanized: 1,50 € / KG

Stainless steel V4A and special lengths are available on request.

Art.-No.	Load group (t)	Length l Mm	Strap iron B + C Mm	Ø-Hole d Mm	Pkg g. Einh. · Piece	Weight KG / Piece	Price (Blank)	Price (galvanized)	Price (hot-dip galvanized)
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 Two-Hole Anchor



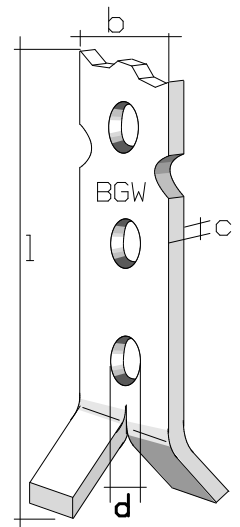
Art.-No.	Load group (t)	Length l Mm	Strap iron B + C Mm	Ø-Hole d Mm	Pkkg. Einh. Piece	Weight KG / Piece	Pric (Blank)	Price (galvanized)	Price (hot-dip galvanized)
RKS-Z-0,7-09	0,7	90	30 x 5	14 x 20	200	0,09	1,10	1,33	1,39
RKS-Z-1,4-09	1,4	90	30 x 6	14 x 20	200	0,10	1,10	1,36	1,42
RKS-Z-2,0-09	2,0	90	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, BGW-RKS-SA erection anchor on both sides and BGW-RKS-SE erection anchor on one side 09/18(09/18)

BGW-RKS Universal Anchor

https://www.bgw-bohr.de/pdf/HP_RKS_Typenstatiken/RKS-Universalanker_Typenstatistik_Verwendungsanleitung_Trage Tabellen.pdf

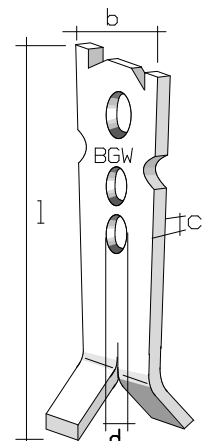
Art.-No.	Load group (t)	Length h l Mm	Strap iron B + C Mm	Ø-Hole d Mm	Pkkg. Unit Piece	Weight KG / pcs.	Price	Price (galvanized)
RKS-U-1,25-10	1,25	100	30 6	10	100	0,110	1,54	1,82
RKS-U-1,25-12	1,25	120	30 6	10	100	0,164	1,62	2,01
RKS-U-1,25-12F	1,25	120	30 6	10	100	0,160	---	2,10
RKS-U-1,25-240	1,25	240	30 6	10	100	0,330	4,30	



BGW-RKS Erection Anchor – Double-Sided

https://www.bgw-bohr.de/pdf/HP_RKS_Typenstatiken/RKS-Aufstellanker_Typenstatik_Verwendungsanleitung_Trage Tabellen.pdf

Art.-No.	Load group (t)	Length l Mm	Strap iron B + C Mm	Ø-Hole d Mm	Pkkg. Unit Piece	Weight KG / pcs.	Price (Blank)	Price (galvanized)	Price (hot-dip galvanized)
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

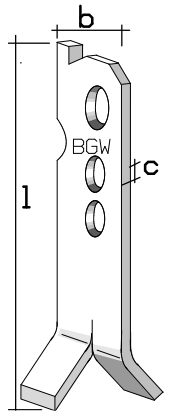


BGW-RKS Erection Anchor – Double-Sided – Conical

Art.-No.	Load group (t)	Length l Mm	Strap iron B + C Mm		Ø-Hole d Mm	Pkkg. Unit Piece	Weigh KG / pcs.	Prir (Blank)	Price (galvanize d)	Price (hot-dip galvaniz ed)
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

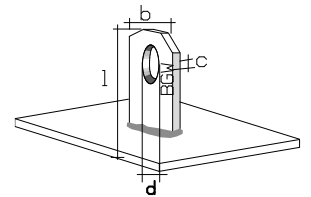
BGW-RKS Erection Anchor – Single-Sided

Art.-No.	Load group (t)	Length l Mm	Strap iron B + C Mm		Ø-Hole d Mm	Pkkg. Unit Piece	Weight KG / pcs.	Price (Blank)	Price (galvanize d)	Price (hot-dip galvaniz ed)
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_Tragtabelle.pdf



Art.-No.	Load group (t)	Height h Mm	Plate Mm	Strap iron B + C Mm		Ø-Hole d Mm	Pkkg. Unit Piece	Weight KG / pcs.	Price (Blank)	Price (galvaniz ed)	Price (Fire galvaniz ed)
RKS-P-1,4-50	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

Other dimensions are available on request!

BGW-RKS Accessory parts for spread anchor

06/21^(10/18)

BGW recess bodies are an important part of the BGW transport anchor system.

BGW recess bodies are therefore dimensionally accurate and fit only for our lifters, so that when using other, non-BGW components, the system affiliation is abandoned and the warranty for the complete transport anchor system expires.

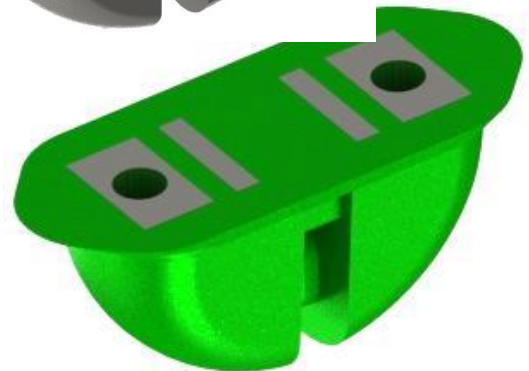
BGW-RKS recess body rubber

Art.-No.	Loading step	Weightkg	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 recess body PU with magnets

Art.-No.	Loading step	Adhesive force	Weightkg	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



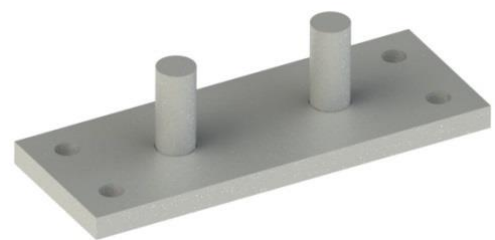
BGW-RKS single-use saving body made of hard plastic

Art.-No.	Suitable for	Weightkg	Price €/piece
RKS-AK-1.25	1.25t universal anchor	0,014	0,46
RKS-AK-1.4	1.4t expansion anchor 1.4t two-hole anchor	0,038	
	1.4t stand-up lanker - both sides 1.4t Flat Foot Anchor		
RKS-AK-2.5	2.5t stand-up anchor – on both sides	0,030	0,54
RKS-AK-4.0	4t erection anchor – on both sides	0,058	0,68
RKS-AK-5.0	5t erection anchor – on both sides	0,054	0,77



BGW-RKS retaining plate for nailing or welding

Art.-No.	Loading step t	Weightkg	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 magnetic mounting plate HM9 for flexible positioning

Art.-No.	Load level of the anchor	Adhesive force	Dimensions	Concrete covering	Weightkg	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

Art.-No.	Price €/piece
KeyHM9	17,90



BGW Ring Coupling

09/21_(06/21)

BGW ring coupling for attaching BGW two-hole anchors and BGW expansion anchors

The dimensions of the BGW ring coupling are shown on the instructions for use.

BGW-RKS Ring Coupling with Chain Link

Datasheet:

Instructions for use:

https://bgw-bohr.de/pdf/Verwendungsanleitung_Ringkupplung_neu.pdf

Art.-No.	Loading step t	Height Mm	Weightkg	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-RKS Ring Coupling with rope

Art.-No.	Loading step t	Height Mm	Weightkg	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

EC Declaration of Conformity:

https://bgw-bohr.de/pdf/CE_Zeichen/EG-Konf_BGW-Ringkupplung_mit_Seil_alle_Laststufen.pdf



BGW-RKS Ring Coupling with ribbon

Art.-No.	Load group t	Height approx. mm	Band	Weightk g	Price €/piece
RKS-R1-2,5-B	2,5	500	Green	1,0	83
RKS-R1-5,0-B	5,0	1000	Yellow	2,0	120
RKS-R1-10,0-B	10,0	1000	Grey	4,5	210

Advantages:

- In the event of vibration, for example during transport with an excavator, the belt absorbs the impacts on the transport anchor and the component.
- Very light lifters that can also be stored in the toolbox to save space.
- Once the strap is damaged, the lifter must no longer be used.



BGW Capstan lifter (KKA)

04/21 (04/21)

BGW ball-head anchors are suitable for transporting all types of precast concrete elements.

Installation instructions:

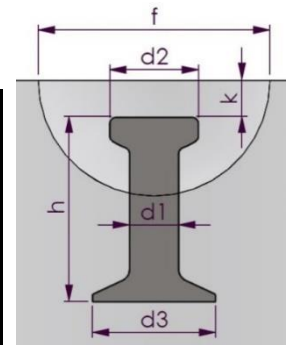
https://bgw-bohr.de/pdf/Einbauanleitung_fuer_Kugelkopfanker.pdf

Test report construction test:

https://www.bgw-bohr.de/pdf/Bautest_KKA_A9607a_97.pdf

https://www.bgw-bohr.de/pdf/2006_CE-Erklaerung_KKA-alleLaststufen_26.02.2024.pdf

Art.-No.	Load Group [t]	Height h [mm]	Shaft Ø d1 [mm]	Head Ø d2 [mm]	Foot Ø d3 [mm]	Concrete covering k [mm]	Recess Ø f [mm]	Pkkg. Einh. 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	
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 galvanized: €1.00/kg
Surcharge for hot-dip galvanized: €1.50/kg

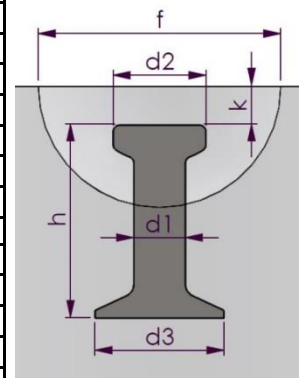
Stainless Steel Ball Head Armature Prices
1.4301 / AISI 304 / V2A: €22.00/kg
or
1.4571/1.4401 / AISI 316 / V4A: 33.00 €/kg

Other dimensions are available on request.

BGW Capstan lifter (KKA)

04/21 (04/21)

Art.-No.	Load Group [t]	Height [mm]	Shaft Ød1 [mm]	HeadØd2 [mm]	FootØd3 [mm]	Concrete covering k [mm]	Reduction Ø f [mm]	Pkgg. One-piece	Weightkg / 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	1	2,200	6,38
1062	7,5	680	24	47	60	15	118	1	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	1	2,358	6,65
10740	10	500	28	47	70	15	118	1	2,788	7,20
1075	10	540	28	47	70	15	118	1	3,000	7,82
1077	10	650	28	47	70	15	118	1	3,500	9,10
10770	10	680	28	47	70	15	118	1	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	1	2,540	6,85
1080	15	300	34	70	85	15	160	1	3,000	7,65
1082	15	400	34	70	85	15	160	1	3,500	9,97
10820	15	550	34	70	85	15	160	1	4,580	11,00
10822	15	650	34	70	85	15	160	1	5,133	12,29
10821	15	840	34	70	85	15	160	1	6,930	14,90
10841	20	120	39	70	98	15	160	1	2,198	9,70
10842	20	140	39	70	98	15	160	1	2,380	10,30
1084	20	165	39	70	98	15	160	1	2,400	10,98
10861	20	180	39	70	98	15	160	1	2,430	11,50
1086	20	200	39	70	98	15	160	1	2,700	11,98
1087	20	230	39	70	98	15	160	1	2,900	12,53
1088	20	240	39	70	98	15	160	1	3,000	12,66
10880	20	250	39	70	98	15	160	1	3,250	12,97
10881	20	280	39	70	98	15	160	1	3,708	13,56
1089	20	300	39	70	98	15	160	1	3,600	13,90
1090	20	340	39	70	98	15	160	1	4,000	14,37
1092	20	500	39	70	98	15	160	1	5,620	15,75



BGW ball-head anchors are designed for transport of precast concrete elements of all kinds.

Marking:
BGW (=Manufacturer)
K (= anchor type e.g. K5
= load group 5t)

Metallic breaking load
see BGR 106

BGW Capstan lifter (KKA)

04/21 (04/21)

Art.-No.	Load Group [t]	Height [mm]	Shaft Ød1 [mm]	HeadØd2 [mm]	FootØd3 [mm]	Concrete covering k [mm]	Reduction Ø f [mm]	Pkkg. One-piece	Weightkg / 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 capstan lifter offset (for sandwich panels)

When ordering, please always specify the anchor offset/center of gravity offset.

Only for axial tension

Art-No.	Load level t	Lengthmm	Weightkg	Price€/piece
1006offset	1,3	120	0,092	1,79
1008offset	1,3	240	0,168	1,85
1018offset	2,5	140	0,219	2,34
1020offset	2,5	170	0,256	2,46
1021offset	2,5	240	0,336	2,50
1022offset	2,5	268	0,370	2,56
1031offset	4	210	0,528	4,15
10340	4	406	0,920	4,90
1042offset	5	180	0,575	4,29
1125offset	5	210	0,564	4,34
1046cranked	5	340	0,955	5,66
1048cranked	5	480	1,323	6,50
1060cranked	7,5	300	1,321	9,44
1061cranked	7,5	540	2,136	11,81
1062offset	7,5	680	2,700	12,24
10730offset	10	250	1,518	10,24
1074cranked	10	340	1,926	11,64
1075offset	10	540	2,010	13,41
1077offset	10	650	3,500	14,69
10770offset	10	680	3,650	15,11
1082offset	15	400	3,616	22,74
10821offset	15	840	6,930	27,67
1091offset	20	1000	9,800	39,39
1098cranked	32	1000	18,000	52,00



Anchoring foot with male thread

for slab-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 foot thread for recessed installation in the component. The adapter can be in the form of a ball-head armature head, or another load handling device, such as a threaded sleeve with thread on both sides, etc. The idea behind this is that if the extension adapter has been removed from the anchor foot, the "anchor foot" that remains permanently in the component is deep in the concrete and, when the opening is cast, the "anchor foot" is protected from water and therefore cannot rust, cannot damage the component.

We offer adapters and accessories on request.

Art-No.	Load group t	Length mm	Shank Ø Mm	Thread	Foot Ø approx. 2.5xd	Weight kg/piece	Pkkg. One-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 Capstan lifter (DKKA) / BGW Double Head Anchor (DKA) / Magazine Anchor

11/22 (11/19)

BGW "Double Head Anchor" Special anchor for installation in T-beams and T-trusses with webs in which only a narrow anchor foot has space.

The so-called BGW "double-head anchor", in this case it is a transport anchor in its load stage, differs from the other transport anchors in its load level in that this transport anchor has a narrow anchor foot, not wider than the anchor head, but the same anchor foot length as the transport anchor of its load stage.

BGW Double-Head Transport Anchor with Narrow/Flattened Base

Art.-No.	Load-Group T	Length Mm	Ø Head Mm	Ø Foot Mm	Packing. unit Piece	Piece medical history	Price €/piece
10742	10	340	47	47	1	2,01	16,25
10823	15	400	70	70	1	3,50	26,40
10921	20	500	70	70	1	5,62	47,20
10691	32	700	88	88	1	14,28	106,60
10692	32	1200	88	88	1	21,10	157,00



BGW Double Capstan lifter/BGW Double Head Anchor with Plastic Ring – Hot Dip Galvanized

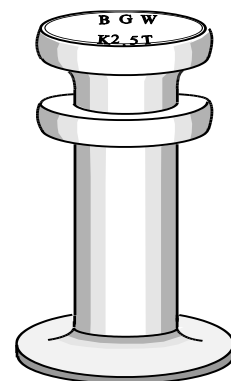
Art.-No.	Load-Group T	Length Mm	Ø Head Mm	Ø Plastic ring Mm	Packing. unit Piece	Piece medical history	Price €/piece
1015B	2,5	85	25	25	150	0,160	0,97
1017B	2,5	120	25	26	100	0,210	1,20

BGW Double Capstan lifter / BGW Double Head Anchor with Steel Ring / Magazine Raw Anchor

The double capstan lifter/double head anchor (quick mount anchor) is suitable for non-hinged semi-circular recess bodies. When ordering the DKA, it is important to ensure that it can be inserted into the existing hemispherical recess body. The second "head" below the anchor head, to which the load handling device is attached, is the support ring, which vertically centers the transporter in the recess body.

A cuff between the anchor head and the support ring improves the anchor fit in the recess body and prevents the anchor bolt from floating out of the recess body and thus becoming lost. A magnet in the bottom of the ASK can also help against this loss of the transporter. These recess bodies can be attached to the formwork side magnetically or permanently with screws, including welding. The lightly greased head of the transport anchor and the support ring as well as the sleeve is inserted into the recess body protected with release agent during installation in the formwork until the support ring is supported in the bore 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.

Art.-No.	Last-gruppent	Length Mm	Ø Head Mm	Ø steel ring Mm	Ø Foot Mm	Packaging-unit Piece	Piece medical history	Price €/piece
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	or	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 galvanized: €1.00/kg
Surcharge for hot-dip galvanized: €1.50/kg

BGW- Ball Head T-Bar Anchor, Ball Head T-Bar Anchor Offset

08/23 (08/23)

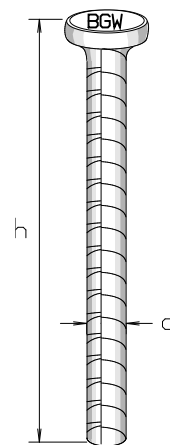
BGW Ball Head T-Bar Anchor

The KKA Ball Head T-Bar Anchor is a transport anchor that is mainly used for transporting precast concrete elements. The transport anchor head, as well as the rod/foot are made of round steel in the forging-upsetting process.

The anchor - whether with a straight rod, with a shaft or with a compressed foot - is completely concreted in except for the anchor head. The anchor part that gave the transport anchor system its name is then attached to the plunged anchor "ball head", the anchor part that belongs to the system - the ball head lifter - to lift the components.

All capstan lifter made of ribbed concrete steel DIN480 only for axial tension

Art.-No.	Loading step t	h Mm	d Mm	Weight medical history	Price €/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



Other dimensions are available on request.

BGW Ball Head Shaft Anchor KKA

Art.-No.	Loading step t	h Mm	Ø Rod mm	Ø head mm	Weight medical history	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

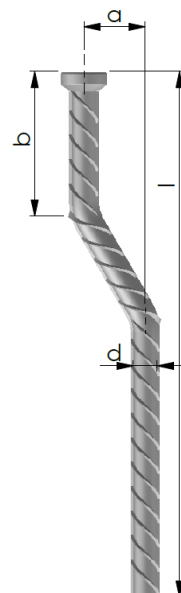


Other dimensions are available on request.

BGW-Ball-Head-T-Bar Anchor-Offset

Only for axial tension

Art.-No.	Load-Level T	Rod Ø d mm	Offset a mm	Distance b mm	Length L mm	Weight medical history	Price €/piece
1102offset	2,5	14	50	35	395	0,500	4,90
1104offset	2,5	14	50	35	515	0,660	5,15
1112offset	5	20	60	41	570	1,500	9,85
1114cranked	5	20	60	41	890	2,260	11,00
1118cranked	7,5	25	70	53	1140	4,530	19,30
1122offset	10	28	70	53	1290	6,380	25,50
1124cranked	15	32	70	73	1070	7,390	43,90
1126offset	15	32	70	73	1540	10,770	51,25



Material S355J2/20Mn2

Surcharge for galvanized:

€1.00/kg

Surcharge for hot-dip

galvanized: €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

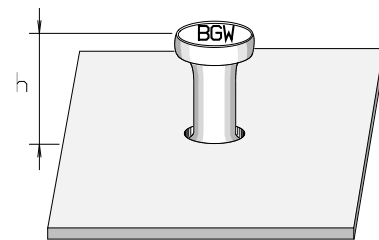
BGW Ball Head Plate Anchor

06/18 (11/19)

BGW Ball Head Plate Anchor

For use with thinner concrete slabs. The steel sheet is positioned in such a way that the smaller anchor head is passed through its central hole. Subsequently, the anchor foot is permanently connected to the steel sheet by welding stitching points. The metallic anchor tensile forces are transferred to the steel sheet via the larger anchor foot. When installed in the concrete component, additional distributor irons can be attached to the enlarged anchor foot.

Art.-No.	Loading step t	h Mm	Plate Mm	Weight kg	Price €/piece
1002 Plate	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



Other dimensions are available on request.

BGW - ball head plate anchor - also possible with holes in the plate base,

for flat screwing onto wooden beams for transport, as well as for wood-concrete composite as head bolts.



EC Declaration of Conformity at:

https://www.bgw-bohr.de/pdf/CE_Zeichen/EG-Konf_BGW-Kugelkopf-Plattenanker_alle_Laststufen.pdf

Material S355J2/20Mn2

Surcharge for galvanized: €1.00/kg

Surcharge for hot-dip galvanized: €1.50/kg

The surcharge for galvanizing is calculated from the net price of the respective anchor.

In hot-dip galvanizing, an additional weight of 0.07% is added to the net anchor weight.

BGW Ball Head Eye Anchor Bare

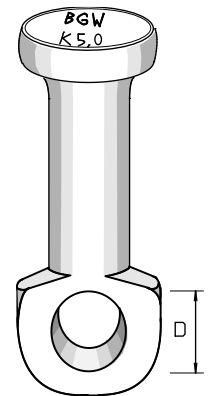
02/24 (02/24)

The ball head eye anchor is installed with the ASK, like a capstan lifter.

The difference to the KKA is that instead of a forged anchor foot for anchoring back into the concrete, it has the eye. The eye is that forged hole opposite the anchor head in the anchor shaft. In order for this eye anchor to be able to absorb the entire load of its nominal load, the additional reinforcement must be installed through this hole.

The principle works very similarly to the transverse hole sleeve of the threaded anchors, and the eye anchor must also be fitted with additional reinforcement in its load group, as with the transverse hole sleeve.

Art.-No.	Load level t	Lengthmm	Ø Dmm Cross Hole	Pkgged UnitPiece	Weight kg	Price €/piece
1150	1,3	65	10	400	0,080	1,19
1152	2,5	90	14	150	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	20	1,177	12,32
1158	20,0	250	39	5	3,262	32,91

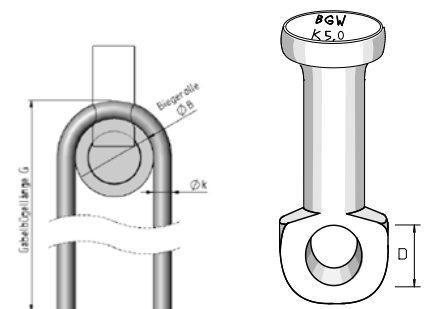


BGW Ball Head Eye Anchor, Stainless Steel V2A, V4A

Art.-No. V2A	Art.-No. V4A	Load level t	Lengthmm	Ø Dmm Cross Hole	Pkgged UnitPiece	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	5	3,262

Reinforcement Table for BGW Ball Head Eye Anchors

matching eye anchor No.	allowable Axial Load	Dimensions for the fork brackets made of ribbed concrete steel BSSt 500 S		
		(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



BGW Capstan lifter (KKA) - Sealing discs made of fibre concrete, concrete pouring formliners

09/21^(10/21)

BGW sealing discs in fair-faced concrete quality are glued into the recess of BGW ball-head anchors and thus sealed. The adhesive surfaces must be cleaned with primer. Care must be taken to ensure that adhesive material has been applied to the edge of the recess and also to the entire \varnothing of the anchor head in sufficient thickness so that the sealing disc rests entirely on the anchor head, that the locking disc does not lie hollow and sits or rests on the edge of the recess.



BGW sealing disc for the recess of ball-head armatures

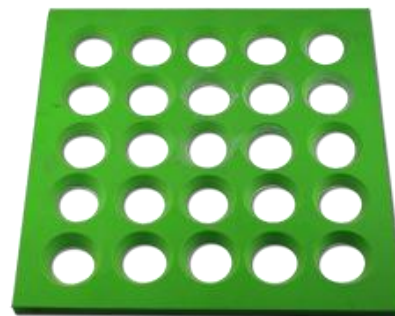
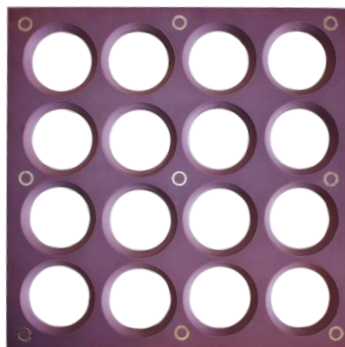
Kind.-No.	Capstan lifter	\varnothing D1 Mm	\varnothing D2 Mm	Weight kg/pc	Pkgged unit	Price €/piece
09128	1,3	59	53	0,07	100	3,52
09129	2,5	73	67	0,125	100	6,88
091210	4 – 5	93	86	0,270	100	14,72
091211	7,5 – 10	116	108	0,425	100	23,20
091212	12 – 20	155	150	0,710	100	38,62
091213	32	215	203	2,5	100	136,00

Installation instructions at:
Installation Instructions for
Sealing Washers – Sealing
Screws
 - Closure plate (search via Ctrl +
 F)

BGW die / casting template for sealing discs, for the production of sealing discs for the recesses of the retaining washers, the recess bodies for the ball-head anchors.

These polyurethane casting dies are supplied in 2 versions. Without built-in magnets and with built-in magnets.

Through the built-in magnets, the casting die is pulled onto the steel formwork base so that the cement glue cannot flow off under the casting template, which then floats up, when the casting template is filled. The casting template without built-in magnets must be weighted down to prevent it from floating when filling the casting template. The closure discs produced in this way do not have any bleeding edges.



Die for the recess of ball-head armatures

Kind.-No.	Capstan lifter	\varnothing D1 Mm	\varnothing D2 Mm	Nests	Execution	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
09015M	32	215	203	1	with magnets	180,00



BGW Capstan lifter (KKA) Accessories - Rubber Recess Body (ASK), Fixing Screws

03/24_(10/21)

BGW recess bodies are an important part of the BGW transport anchor system.

BGW recess bodies are therefore dimensionally accurate and fit only for our lifters, so that when using other, non-BGW components, the system affiliation is abandoned and the warranty for the complete transport anchor system expires.

The new recess body must be soaked in release agent a few times before installation and coated with release agent before each reinstallation. By tapping lightly on the smooth top, the recess body detaches from the freshly surrounding concrete. On the side facing the formwork, the recess body has two round holes. These are for attaching the grade-free matching round bars, with which the mouth of the recess body is opened when the concreted transport anchor is demoulded by pressing against each other.

BGW recess body (ASK) round is made of rubber and is used to fix capstan lifter. The recess body is split in the middle so that it can be unfolded to accommodate the BGW fixing nut/bolt and capstan lifter.

Art.-No.	for Load group	Thread	Ø Mm	Concrete-cover	Pkkgged Unit Piece	Weight kg/piece	€/piece singly
1600	1.0 – 1.3 t	M8	60	10 mm	20	0,006	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 recess body (ASK) round,

made of rubber, complete with fixing screw and wing nut

Art.-No. complete with fixing screw & Wing Nut	for Load group	Thread & l/mm	Ø Mm	Concrete-cover	Pkkg.-Unit Piece	Weight kg/piece	€/piece complete (with nut & bolt)
1600K	1.0 – 1.3 t	M8 / 100	60	10 mm	20	0,098	12,50
1602K	2.0 – 2.5 t	M10 / 100	74	11 mm	20	0,207	15,40
1604K	4.0 – 5.0 t	M12 / 100	94	15 mm	20	0,446	19,40
1606K	7.5 t	M12 / 100	118	15 mm	20	0,630	24,40
1608K	8.0 – 10 t	M12 / 100	118	15 mm	20	0,606	24,40
1611K	15 t	M12 / 100	160	15 mm	20	1,32	43,50
1610K	20 t	M12 / 100	160	15 mm	20	1,32	43,50
1612K	32 t	M16 / 100	214	27 mm	20	3,40	87,60



BGW recess body (ASK) round, made of rubber, completely with fixing nut flow-drilled

Art.-No. complete with fixing nut	for Load group	Thread	Ø Mm	Concrete-cover	Pkkg.-Unit 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 recess body (ASK) narrow is made of rubber and is used to fix capstan lifter in narrow components, on or in the formwork. Either the fixing nut or the fixing screw is installed in the recess body. The KKA is inserted into the open recess mouth. When fastened to the formwork, the jaw of the recess body is closed by screwing in or tightening the screw in order to ensure a secure fit of the KKA.

Art.-No.	for Load group	Thread	Ø Mm	Width Mm	Concrete-cover	Pkkgged Unit Piece	Weight kg/piece	€/piece singly
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 Capstan lifter - Accessories - Rubber Recess Body (ASK), Fixing Screws



03/24_(10/21)

BGW recess body (ASK) narrow, made of rubber, complete with fixing screw (100mm) and wing nut

Art.-No. complete with fixing screw & Wing Nut	for Load group	Thread & l/mm	Ø Mm	Width Mm	Concrete-cover	Pkgg.-Unit Piece	Weight kg/piece	€/piece complete (with nut & bolt)
1600SK	1.0 – 1.3 t	M8 / 100	60	40	10 mm	20	0,078	15,00
1602SK	2.0 – 2.5 t	M12 / 100	74	50	11 mm	20	0,166	18,48
1604SK	4.0 – 5.0 t	M12 / 100	94	65	15 mm	20	0,357	23,28
1606SK	7.5 t	M12 / 100	118	85	15 mm	20	0,504	29,28
1608SK	8.0 – 10 t	M12/ 100	118	85	15 mm	20	0,485	29,28



BGW recess body (ASK) narrow, made of rubber, completely with fixing nut, flow-drilled

Art.-No. complete with fixing nut	for Load group	Thread	Ø Mm	Width Mm	Concret e-cover	Pkgg.-Unit 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 Fixing Nut Flow Drilled

Art.-No.	Load group	Thread	Ø Mm	Pkgged Unit 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 groove



BGW fixing nut: reinforced version with longer thread for automatic anchor setting machine

Art.-No.	Load group	Thread	Ø Mm	Concrete cover h/mm	Pkgged Unit Piece	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 fixing screw without wing nut for rubber recess body

Art.-No.	Load group	Thread & l/mm	Ø Mm	Threaded rod length Mm	Pkgged Unit Piece	Weight kg/piece	€/piece
1620	1.0 – 1.3 t	M8 /100	8	100	20	0,027	3,00
1623-80	2.5 t	M10/100	10	100	20	0,086	3,50
1622	2.0 – 2.5 t	M12 / 100	12	100	20	0,058	4,45
1624	4.0 – 5.0 t	M12 / 100	12	100	20	0,097	4,85
1628	7.5 – 10 t	M12 / 100	12	100	20	0,126	4,95
1630	15 – 20 t	M12/ 100	12	100	20	0,242	6,05
1632	32 t	M16 /100	16	100	20	0,599	38,75

Fixing screw/
Fixingscrew



BGW fixing screw with wing nut DIN 315 for recess body made of rubber

Art.-No.	Load group	Thread & l/mm	Thread	Ø Mm	Threaded rod length Mm	Pkgged Unit Piece	Weight kg/piece	€/piece
1620-1	1.0 – 1.3 t	M8 /100	M8	8	100	20	0,038	3,30
1623-1-80	2.5 t	M10/100	M10	10	100	20	0,135	3,85
1622-1	2.0 – 2.5 t	M12 / 100	M12	12	100	20	0,107	4,80
1624-1	4.0 – 5.0 t	M12 / 100	M12	12	100	20	0,146	5,20
1628-1	7.5 – 10 t	M12 / 100	M12	12	100	20	0,175	5,30
1630-1	15 – 20 t	M12/ 100	M12	12	100	20	0,291	6,40
1632-1	32 t	M16 /100	M16	16	100	20	0,687	39,50

Fixing screw
with wing nut

BGW Capstan lifter System - Accessories

Recess body (ASK) round, made of steel, screw-on or magnetic

03/21^(03/21)

BGW recess body (ASK) round, made of steel, screw-on

Art.-No	Load level t	Outside Ø with chamfer mm	Outside Ø without chamfer mm	Concrete pavement Mm	Bore Ø 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



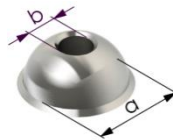
BGW recess body (ASK) round, made of PU, magnetic

Art.-No	Load group t	Outside Ø with chamfer mm	Outside Ø without chamfer mm	Concrete pavement Mm	Bore Ø mm	Adhesive force kg	Weight kg/piece	€/piece
1650GM	1.0 – 1.3	70	60	10	20	25	0,12	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 magnet type HM5 - recess body (ASK) round, made of steel, magnetic

Art.-No.	Load - step t	Outside Ø with chamfer Mm	Outside Ø without chamfer a mm	Concrete-cover Mm	Inside Ø w mm	Adhesive force medical history	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 rubber sleeve for KKA recess body round and egg-round, made of steel or PU, as well as magnetic holder type HM5

The sleeves for supporting the KKA capstan lifter are placeholders so that no concrete can flow into the recess into which the KKA lifters are hooked after the KKA lifts have been formed.

The slotted cuffs are unfolded and placed around the anchor shaft below the anchor head and then closed again.

To ensure that the KKA can be easily pressed into the recess body ASK with the cuff, it is advisable to wet the ASK and the cuff with release agent. Before placing an order, the customer must measure the Ø for the anchor head in the ASK in order to be able to order the correct outer diameter of the cuff.

The customer must also pay attention to the load level of the anchor that is installed with the sleeve in order to be able to select the correct inner diameter of the sleeve.

Art.-No.	for load level t	Outside Ø mm	Inside Ø 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 body round and egg-round, made of steel or PU, as well as magnetic holder type HM5, toothed

Art.-No.	for load level t	Outside Ø mm	Inside Ø 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

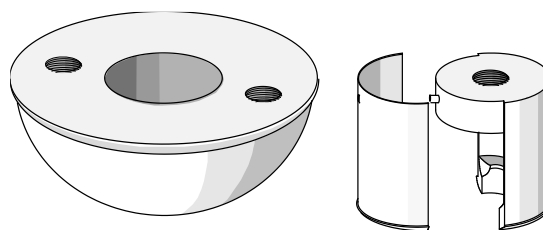


09/23(09/23)

BGW recess body (ASK) round, made of steel with anchor fixing sleeve for screwing to formwork

The transport anchor is inserted into the open greased anchor fixing sleeve, closed and inserted into the corresponding recess body on the formwork.

Art.-No.	for Loading step t	Outside Ø with chamfer Mm	Outside Ø without chamfer Mm	Concrete covering Mm	Weight kg/piece	€/piece complete	Art.-No. Spare part ASK made of steel Hemisphere	€/piece Spare part ASK made of steel	Art.-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

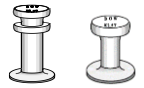


BGW Capstan lifter System -Accessories

Recess body (ASK) egg-round, made of steel or PU, screw-on or magnetic

05/23 (11/19)

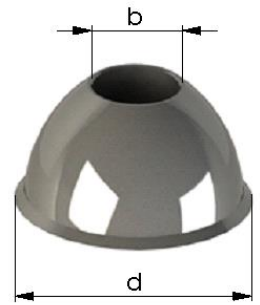
*The recess body is mounted with the capstan lifter.
A rubber sleeve is required for mounting.*



BGW recess body (ASK) egg-round, made of steel, screw-on

Easy installation on the formwork with M12 thread

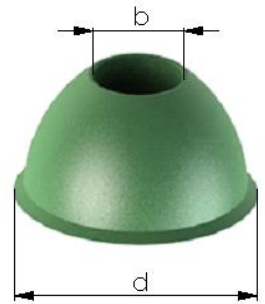
Art.-No.	Load group t	Ø d mm with chamfer	Ø mm without chamfer	Concrete-Coverage mm	Bore Ø b mm	Weight kg/piece	€/piece
1651-1	1.0 – 1.3	70	60	10	20	0,50	37,70
1652-1	2.0 - 2.5	84	74	11	27	0,85	40,30
1653-1	2.0 - 2.5	84	74	11	30	0,85	40,30
1654-1	4.0 - 5.0	104	94	15	37	1,70	78,00
1664-1	7.5 t – 10.0	128	118	15	48	3,40	107,90



BGW recess body (ASK) egg-round, made of polyurethane, screw-on

Easy installation on the formwork with M12 thread

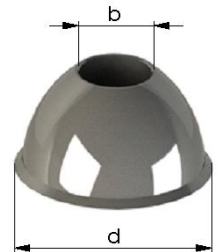
Art.-No.	Load group t	Ø d mm with chamfer	Ø mm without chamfer	Concrete cover mm	Bore Ø b mm	Weight kg/piece	€/piece
1651-1PU	1.0 – 1.3	70	60	10	20	0,08	37,70
1652-1PU	2.0 - 2.5	84	74	11	27	0,18	40,30
1653-1PU	2.0 - 2.5	84	74	11	30	0,18	40,30
1654-1PU	4.0 - 5.0	104	94	15	37	0,26	78,00
1664-1PU	7.5 t – 10.0	128	118	15	48	0,60	107,90



BGW recess body (ASK) egg-round, made of steel, magnetic

easy installation on the formwork, magnetic

Art.-No	Load group t	Ø d mm with chamfer	Ø mm without chamfer	Concrete-Coverage mm	Drilling Ø w mm	Adhesive force medical history	Weight 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 recess body (ASK) egg-round, made of polyurethane magnetic.

easy installation on the formwork, magnetic

Art.-No	Load group t	Ø d mm with chamfer	Ø mm without chamfer	Concrete-Coverage mm	Drilling Ø w mm	Adhesive force medical history	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-Rubber sleeve for KKA recess body round and egg-round, made of steel or PU, as well as magnetic holder type HM5

10/23 (10/23)

The sleeves for supporting the KKA capstan lifter are placeholders so that no concrete can flow into the recess into which the KKA lifters are hooked after the KKA lifts have been formed. The slotted cuffs are unfolded and placed around the anchor shaft below the anchor head and then closed again.

To ensure that the KKA can be easily pressed into the recess body ASK with the cuff, it is advisable to wet the ASK and the cuff with release agent.

Before placing an order, the customer must measure the \varnothing for the anchor head in the ASK in order to be able to order the correct outer diameter of the cuff.

The customer must also pay attention to the load level of the anchor that is installed with the sleeve in order to be able to select the correct inner diameter of the sleeve.

Art.-No.	for load level t	Outside \varnothing mm	Inside \varnothing 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 body round and egg-round, made of steel or PU, as well as magnetic holder type HM5, toothed

Art.-No.	for load level t	Outside \varnothing mm	Inside \varnothing 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-Capstan lifter Accessories

For fastening to the wooden formwork

07/18_(01/18)

BGW retaining plate.

BGW retaining plate is used for attaching BGW recess body round made of rubber to Wooden formwork. For this purpose, the BGW retaining plate is attached to the wooden formwork, e.g. with nails. Subsequently, the BGW recess body is inserted together with the fixing nut and capstan lifter onto the centering pins of the BGW retaining plate. The centering pins keep the recess body closed and fix it to the formwork.

Art.-No.	Loading step	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 recess body (ASK) round, hinged, made of rubber for fixing of ball-head armatures

Art.-No.	for Load group	Ø Mm	Concrete - cover	Pkged Unit Piece	Weight kg/piece	€/piece singly
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 Mounting Plate with Handle

BGW retaining plate with handle allows the recess body together with the ball-head anchor to be pressed directly into the fresh concrete. The centering pins keep the recess body closed and fix the anchor in the recess body.

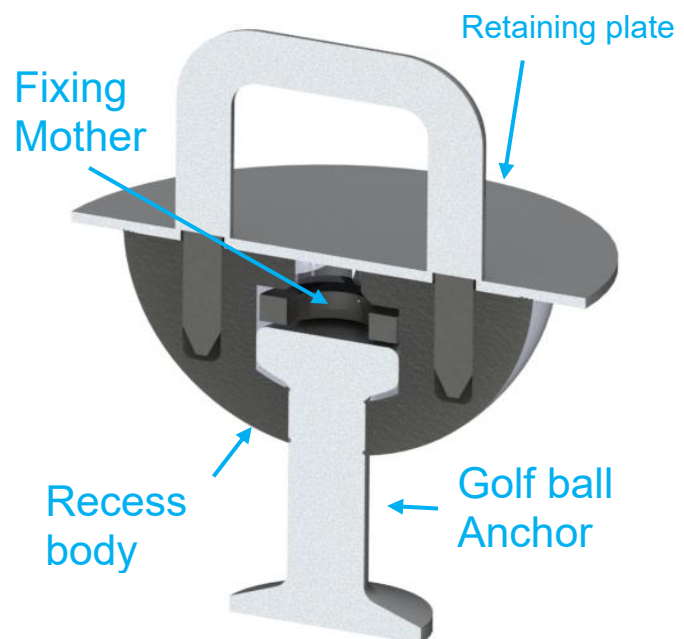
Art.-No.	Loading step	Ø Mm	Weight kg	Price €
1600-2	1,3	100	0,185	10,63
1602-2	2,5	114	0,225	11,05
1604-2	4-5	144	0,305	11,20
1608-2	7,5-10	178	0,460	12,28
1610-2	15-20	240	0,825	13,60
1612-2	32	314	1,350	15,25



Load level 1.3t-2.5t



Load level 4t-32t



BGW recess body (ASK) made of steel – for ball-head transport anchors -Trumpet form - Load level 2.5 t

07/18^(11/19)

Trumpet-shaped

BGW Recess Body (ASK) Steel - Trumpet Shape

Art.-No.	Execution	Ø shaft inside/mm	Thread	Price €/piece
1653	Trumpet-shaped	30	M12	On request
16530	Trumpet-shaped	27	M12	



BGW Recess Body (ASK) Steel – Trumpet Shape with Internal Magnetic Insert

With 1 internal magnetic insert, with which the capstan lifter is fixed in the recess body

Art.-No.	Execution	Ø shaft inside/m	Thread	Adhesive force medical history	Weight medical history	Price €/piece
1653-M	Trumpet-shaped	30	M12	140	0,800	On request
16531	Trumpet-shaped	27	M12	140	0,750	



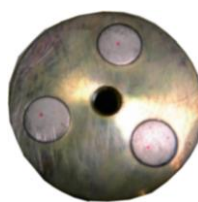
BGW Magnetic holder Type HM5 – Trumpet Shape also with internal magnetic insert

This magnet system is specially designed for attaching ball-head transport anchors to steel formwork. The neodymium magnets used, in contrast to the previously known magnetic holders, result in: used for this purpose, a very high adhesive force even in a small space. It is possible to retrofit the adhesive force.

Art.-No.	From-management	Ø Shaft inside Mm	Inside horizontal magnet	External Magnets	Adhesion force medical history	Ø outside	Weight medical history	Price €/piece
HM5-3-2,5-1653	Trumpet-shaped	30	Without	3 pieces	50	74	0,800	On Inquiry
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	
HM5-3-2,5-16531			With	3 pieces	50	74	0,750	
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	0,750	



With 6 magnets



With 3 magnets

Accessories

BGW rubber sleeve for recess body steel 2.5 t

Art.-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



Capstan lifter with rubber sleeve



BGW recess body (ASK) made of steel, hinged for ball-head transport anchors

10/23_(10/23)

The hinged recess body is sustainable, actually indestructible when used properly. The ASK is protected from adhering concrete on the inside and outside with release agents. The ball-head transport anchor of the associated load group is inserted into the mouth of the unfolded ASK and closed. The ASK is attached to the formwork with the inserted ball-head transport anchor. The smooth back is optionally with a central internal thread, with a threaded pin or with magnetic holders for attaching to the formwork. If the recess body is fastened horizontally to the formwork, make sure that the pitch of the ASK is vertical. Removing the recess body after the concrete has hardened: Detach from the formwork, lightly tap the back of the ASK with the soft-face hammer until it has come loose. With two rods \varnothing 8mm, open the mouth of the ASK by scissor-like pressure and remove it from the component. **Advantages:** - Positional stability of the ball-head armature - Closure security

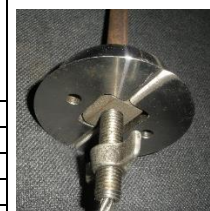
BGW recess body (ASK) made of steel, hinged - with internal thread

Art.-No.	Load-Level T	Outside \varnothing with chamfer Mm	Outside \varnothing without chamfer Mm	Inside-thread	Anchor-mouth \varnothing 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



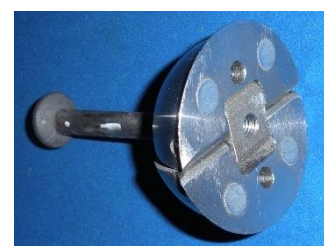
BGW recess body (ASK) made of steel, hinged – with external thread

Art.-No.	Load - step t	Outside \varnothing with chamfer Mm	Outside \varnothing without chamfer Mm	Inside-thread	Mounting-thread Length mm	Anchor-mouth \varnothing mm	Height h mm	Concrete-cover 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 magnet type HM5 – round recess body, made of steel, hinged, magnetic

Art.-No.	Load level t	Outside \varnothing with chamfer Mm	Outside \varnothing without chamfer Mm	Concrete - cover Mm	Inside \varnothing mm	Adhesive force medical history	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 Ball Head Lifter (KKA Lifter)

03/21^(03/21)

The BGW ball head lifter is a manually operated coupling in various load stage designs that correspond to those of the BGW ball head transport anchors.

The BGW ball-head lifter is coupled to a concrete-embedded BGW ball-head anchor of the corresponding load level. Even under load, any twisting, tilting and swivelling movement is possible and harmless.

The old patent of the withdrawers, which had already been patented by BGW but has since expired, has been "reinvented" according to the new regulations.

Here is the patent application:

https://www.bgw-bohr.de/KKA_Abheber_Patentanmeldung_11122017.pdf

One of the many changes and improvements is that under the weight of the component, the mouth of the lifter closes up to the stop of the guide rail.

This BGW KKA lifter can now also be attached to the lift-off mouth opening without the anchor mouth being able to open.

Datasheet:

Installation and use instructions:

https://www.bgw-bohr.de/pdf/Verwendungsanleitung_KKA-Abheber.pdf

EC Declaration of Conformity:

https://www.bgw-bohr.de/pdf/2006_CE-Erklaerung_KKA-alleLaststufen_26.02.2024.pdf

BGW ball head lifter with chain link

Art.-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 ball head lifter with steel cable

Art.-No.	Load group [t]	Height h [mm]	Rope Ø [mm]	Weight kg/piece	Price €/piece
1510S	1.0 - 1.3	approx. 310	8	1,32	73,60
1512S	1.5 - 2.5	approx. 520	14	1,63	81,80
1514S	3.0 - 5.0	approx. 560	18	3,52	122,70
1516S	6.0 - 10.0	approx. 720	22	6,52	204,50
1518S	12.0 - 20.0	approx. 1200	28	17,8	480,00



BGW ball head lifter with belt

Art.-No.	Load group [t]	Height h [mm]	Band	Weight kg/piece	Price €/piece
1512B	1.0 - 1.3	approx. 500	Purple	0,400	73,60
1513B	1.5 - 2.5	approx. 500	Green	0,650	81,80
1514B	3.0 - 5.0	approx. 1000	Yellow	1,8	122,70
1516B	6.0 - 10.0	approx. 1000	Grey	3,5	204,50



Advantages:

- The belt dampens in the event of vibration, for example when transported by excavator, the impacts on the transport anchor and the component.
- Very light lifters that can also be stored in the toolbox to save space.
- Once the strap is damaged, the lifter must no longer be used

New: Discover our products in action –
on our YouTube channel at
<https://www.youtube.com/channel/UCKoMkEETVA8YnvqQLC67>

BGW sling rope and BGW sling slings 03/21^(03/21)

For the application of the BGW sling rope and hanger, the installation of BGW ball head transport anchors is required.

A prerequisite for the safe functioning of the BGW sling rope and the BGW sling sling is the installation of anchors in accordance with the regulations. This is achieved through the use of BGW recess bodies, as well as compliance with the prescribed installation depth.

BGW sling rope and BGW sling slings are a version of the BGW ball head lifter.

Rope sling

Art.-No. with steel cable	Art.-No. with ribbon	Load group t	Rope Ø	Price €/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 hangers

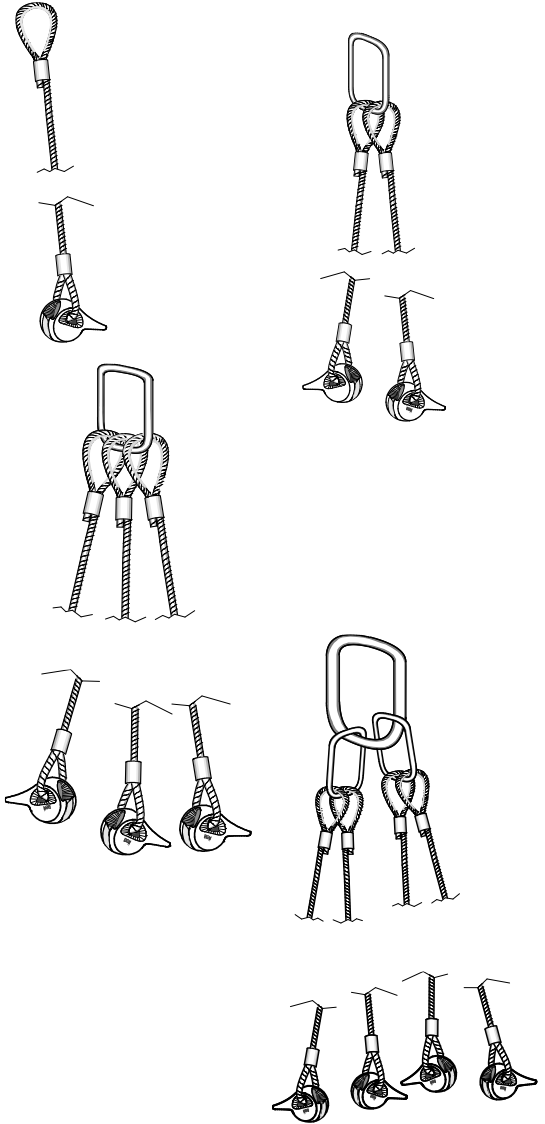
Art.-No. with steel cable	Art.-No. with ribbon	Load group t	Rope Ø	Price €/piece
15302	15302B	1,3	10	194,29
15312	15312B	2,5	12	224,97
15322	15322B	5,0	16	398,81
15332	15332B	10,0	24	490,84

3-strand slings

Art.-No. with steel cable	Art.-No. with ribbon	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 Hangers

Art.-No. with steel cable	Art.-No. with ribbon	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

Indicative prices for strand length 1.5 mtr, galvanized rope DIN 3060 SE - 1770 N/mm² or by arrangement
Other lengths or designs for your specific production needs are available on request.

A manually operated clutch in various load stage designs, similar to those of the BGW ball-head anchors.

The BGW rotary and transport coupling is specially designed for transporting precast concrete elements, especially pipes, up to 32 t.

With it, all movement sequences can be carried out easily: turning, lifting, loading and laying.

The BGW swivel and transport coupling is connected to a BGW ball head transport anchor embedded in concrete of the same load level and supports itself in the recess formed by the BGW recess body.

For system-specific use, two couplings are required in each case, 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 rotary and transport couplings can be supplied with a mounted rope. The respective two couplings that belong together are precisely matched to each other.

BGW swivel and transport coupling is 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 to those of the BGW-capstan lifters.

The BGW-turn- and transport coupler is specially constructed for transporting precast concrete units, especially pipes, to a maximum weight of 32 tons.

When using it, most movement can easily be carried out: turning, lifting, loading and laying of the concrete units.

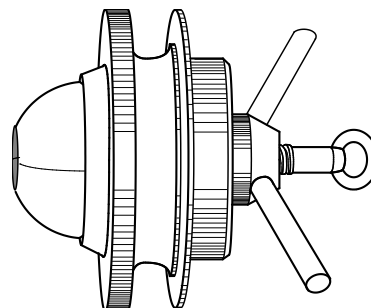
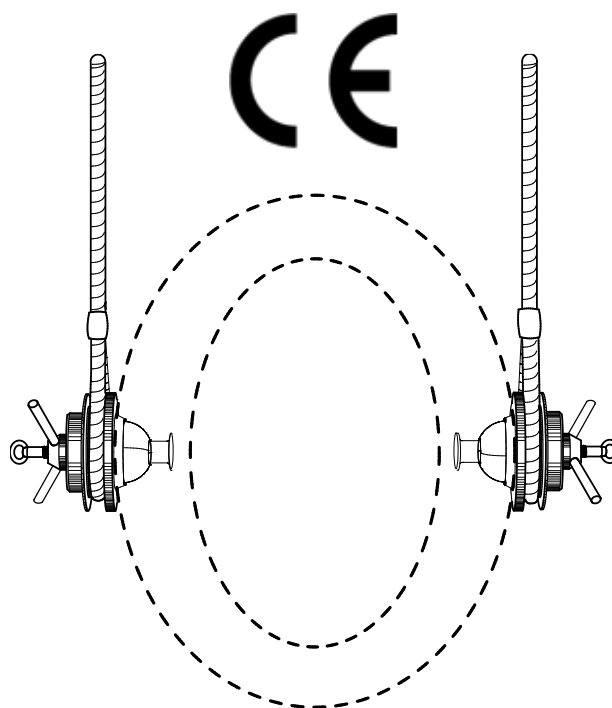
The BGW-turn- and transport coupler is fitted to a concreted BGW-capstan lifter with the same load level, and sits itself in the gap formed by the BGW-pocket former.

For systematic use, two couplers are needed, when 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 coupler is marked with the following information: BGW marking, CE marking, load level, year of manufacture and machine number.



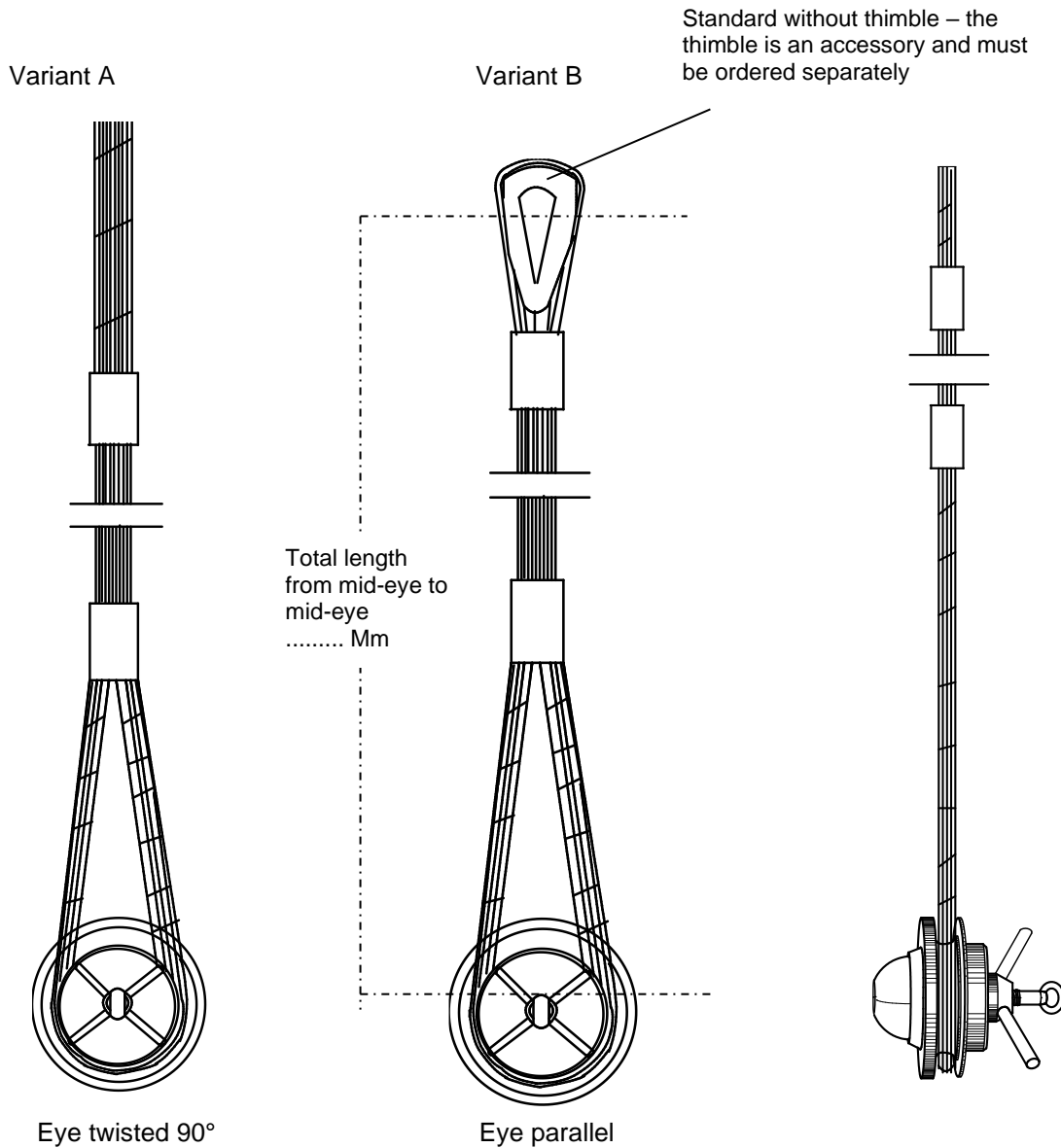
Art.-No.	Load group t	Weight kg / piece	Price € / Piece
1524	5,0	15,30	3.383,72
1523	10,0	20,86	3.660,84
1520	20,0	43,76	4.299,96
1521	32,0	60,00	4.689,56

The prices are without rope / Prices exclusive rope.

BGW Swivel Coupling and Transport Coupling – Variants

05/16_(05/16)

When ordering *BGW* rotary and transport couplings, please specify the required variant and the rope length.



Art.-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

Operating instructions for the swivel and transport coupling

03/11^(03/11)

For the application of the rotary and transport coupling, it is necessary to install two ball-head transport anchors in the rotation axis. The axis of rotation must be in the heavy axis.

The prerequisite for the safe functioning of the rotary and transport coupling is the correct installation of the anchor system. This is guaranteed when using BGW recess bodies made of steel and in compliance with the prescribed installation depth.

An anchor that has not been installed professionally can lead to premature anchor breakage, as the swivel coupling cannot be closed properly (form-fittingly), e.g. if the anchor protrudes too far.

Handling of the swivel joint

a) Hitching

1. Fold the anchor mouth over the anchor head by an expert.
2. Press the pressure plate against the finished part by turning the spindle.

The finished part can now be lifted and turned.

b) Disengaging

1. Loosen the pressure plate by turning the spindle backwards.
2. Open the anchor mouth and pull it out.



Instruction Instructions

When engaging the clutch, it is essential to ensure that the spindle is tightened until the armature jaw has closed tightly around the armature head.

The pressure plate must be firmly attached to the concrete.

It is sufficient if the handwheel is turned shut without exerting any special force, auxiliary tools must not be used.

In the case of pipes, it is sufficient that the pressure plate only rests against the apex of the pipe curvature.

In order to guarantee the proper closing of the anchor jaw, the two closing surfaces must be cleaned of any dirt such as sand, cement dust, etc.

An anchor coupling that is not fully closed can lead to premature breakage of the pivot pins.

The swivel and transport coupling must be greased at the grease nipple and moving parts.

BGW Cuff Anchor (MA) for sandwich panels

04/12 (10/21)

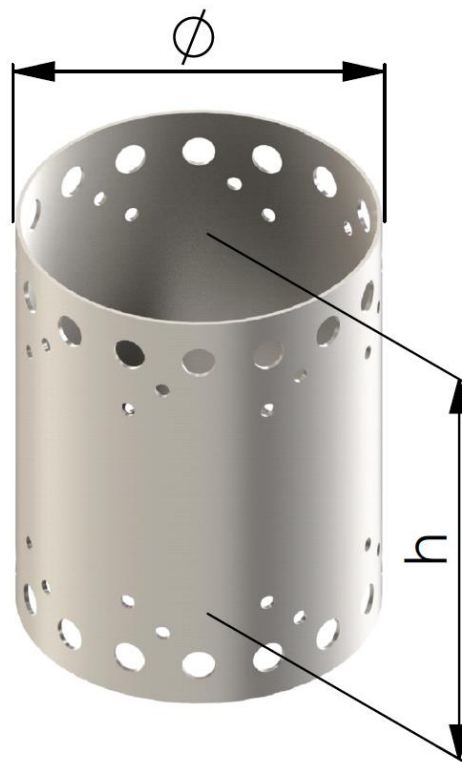
Type calculation for BGW cuff anchors:

https://www.bgw-bohr.de/pdf/Zulassungen/Zulassung-Manschettenanker_Flachanker_2019.pdf

Anchors with other dimensions are available on request.

Sheet thickness: 1.5 mm, Material: Stainless steel 1.4571

Art.-No.	Ø Mm	h Mm	Weight kg/h	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



Art.-No.	Ø Mm	h Mm	Weight kg/h	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

BGW Flat Anchor (FLA)

for sewing sandwich panels

Type calculation for BGW flat anchors:

https://www.bgw-bohr.de/pdf/Zulassungen/Zulassung-Manschettenanker_Flachanker_2019.pdf

Other dimensions are available on request.

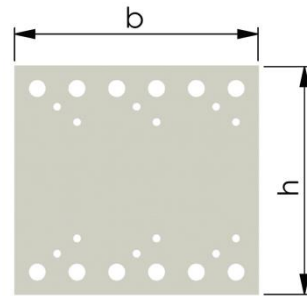
Material: Stainless steel 1.4571

Sheet thickness: 1.5 mm

Art.-No. 1.5 mm	Width Mm	Height t 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

Art.-No. 2.0 mm	Width Mm	Height Mm	Weight/kg 2.0 mm	€/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



More dimensions on the next page Free design software for sandwich anchors at:

<https://www.bgw-bohr.de/Setup.msi>

BGW-Flat anchor (FLA) for sewing sandwich panels (03/11) (10/21)

Other dimensions are available on request.

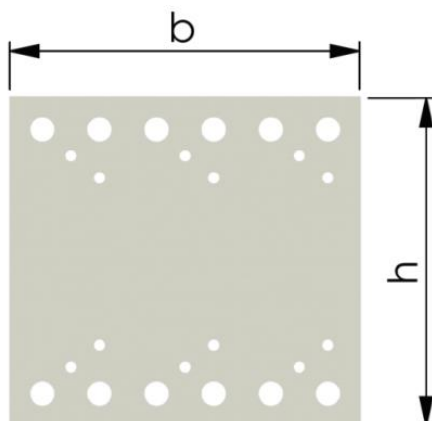
Material: Stainless steel 1.4571

Sheet thickness: 2.0 mm

Art.-No. 2.0 mm	Width Mm	Height t Mm	Weight/kg 2.0 mm	€/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

Art.-No. 3.0 mm	Width Mm	Height t 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 sandwich panel support anchor (SPA)

10/21 (10/21)

for sewing sandwich panel anchors

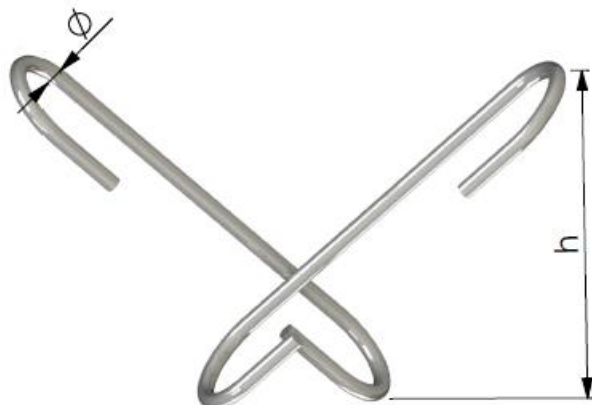
BGW sandwich panel support anchors made of approved stainless steel and acid-resistant stainless steel DIBT Z-30.3-6

Approval for BGW sandwich panel anchors SPA-1:

<https://bgw-bohr.de/pdf/Zulassung-Sandwichplattenanker.pdf>

SPA-1 Material: Stainless Steel 1.4401

Art.-No.	Wire Ømm	Hmm	Weightkg/ 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



Our design software for the sandwich anchors can be found on our website: www.bgw-bohr.de/Setup.msi

BGW sandwich panel support anchor (SPA)

10/21 (10/21)

for sewing sandwich panel anchors

BGW sandwich panel support anchors made of approved stainless steel and acid-resistant stainless steel DIBT Z-30.3-6 Approval for BGW sandwich panel anchors SPA-2:

<https://bgw-bohr.de/pdf/Zulassung-Sandwichplattenanker.pdf>

Art.-No.	Wire Ømm	Hmm	Weightkg/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

SPA-2 Material: Stainless Steel 1.4401



Our design software for the sandwich anchors can be found on our website: www.bgw-bohr.de/Setup.msi

BGW Composite Needles (VN)

10/21 ^(10/21)

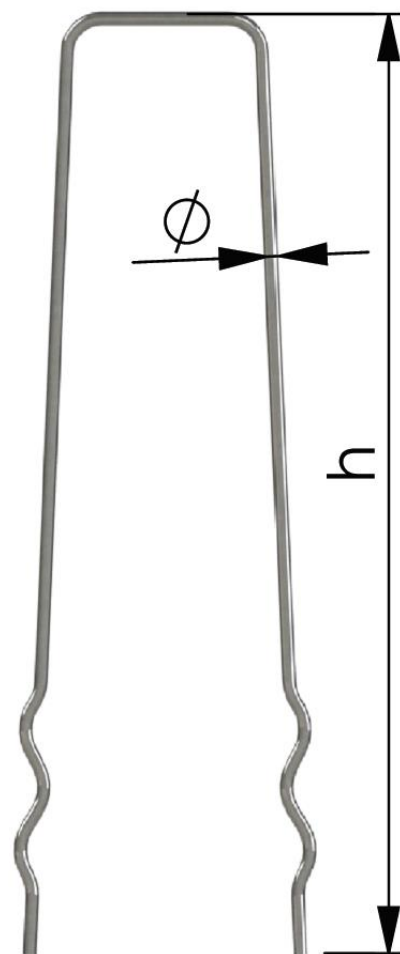
for sewing sandwich panels made of approved stainless steel and acid-resistant DIBT Z-30.3-6

Approval for BGW sandwich panel anchors SPA-N:

<https://bgw-bohr.de/pdf/Zulassung-Sandwichplattenanker.pdf>

Composite needle –VN or SPA-N Material: stainless steel 1.4401

Art.-No.	h Mm	Wire Ø Mm	Weight /medical history	Packaging- Unit PU	Price €/piece
2340-160	160	2,5		1.000	Prices on Inquiry
2340	300	2,5		1.000	
2342	360	2,5		1.000	
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

Other dimensions are available upon request

BGW Lapel Pin (ON)

10/21 (10/21)

for sewing sandwich panels made of approved stainless steel and acid-resistant DIBT Z-30.3-6

Other dimensions are available upon request

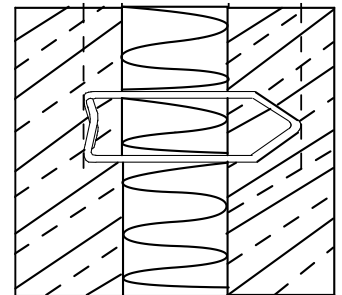
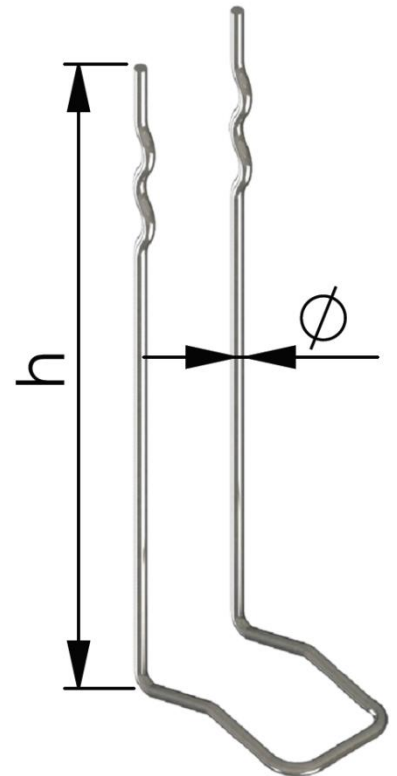
Lapel pin are for clipping on. Lapel pin for sewing on request.

Approval for BGW sandwich panel anchors SPA-A:

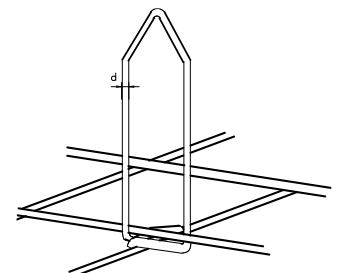
<https://bgw-bohr.de/pdf/Zulassung-Sandwichplattenanker.pdf>

Lapel pins – AN or SPA-A Material: Stainless steel 1.4401

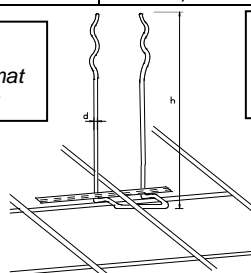
Art.-No.	h Mm	Wire Ø Mm	Weight/kg	Packaging unit PU	Price €/piece
2380	120	3,0	0,023	1.000	0,60
2382	140	3,0	0,025	1.000	0,65
2384	160	3,0	0,028	1.000	0,73
2386	180	3,0	0,030	1.000	0,78
2405	200	3,0	0,032	1000	0,83
2406	220	3,0	0,034	1000	0,88
2407	240	3,0	0,036	1000	0,94
2388-120	120	4,0	0,042	500	1,09
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



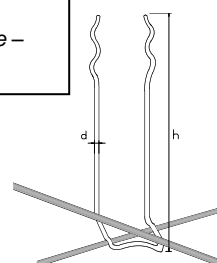
Please refer to our installation instructions



Suture:
from h longer 250mm on mat
cross 150 additionally sew



Clipping on:
up to h 250mm possible –
caused by mat cross



BGW composite bracket (VB)

10/21 ^(10/21)

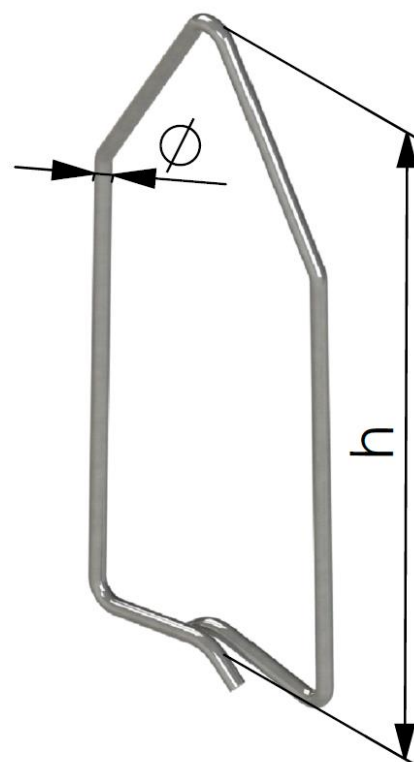
for sewing sandwich panels made of approved stainless steel and acid-resistant DIBT Z-30.3-6

Approval for BGW sandwich panel anchors SPA-B:

<https://bgw-bohr.de/pdf/Zulassung-Sandwichplattenanker.pdf>

Composite bracket – VB or SPA-B Material: stainless steel 1.4401

Art.-No.	h Mm	Wire Ø Mm	Weight /medical history	Packaging unit 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 upon request

BGW TU/-Rail/JTB Rail (trapezoidal sheet metal substructure)

11/22 (03/12)

BGWTU /JTB is a U-shaped metal rail, which is precast concrete plant is concreted into columns. This eliminates the need for dowels during installation.

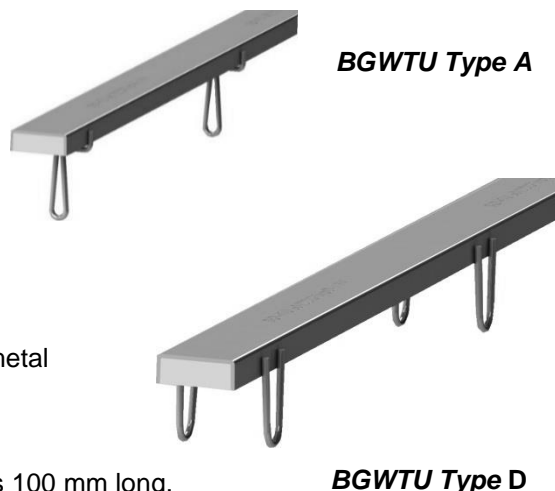
During the assembly of the structure, it is possible to precast concrete elements, by means of the **BGWTU /JTB** metal rail, Components can be fastened with self-drilling screws.

It is important in calculating the length of the screw to take into account the fact that the screw-in depth in the **BGWTU /JTB** metal rail max. 20 mm.

The length of the **BGWTU /JTB** is 3 m and is made of 3 mm sheet metal hot-dip galvanized or stainless steel 1.4301 or 1.4571.

The anchor shapes:

- **A=Fork anchor:** For the central anchoring of the rail, the anchor is 100 mm long.
- **D=Ear anchor:** On the side of the rail, the anchor is approx. 75 mm long.



For the **BGWTU /JTB** metal rails, according to the *Approval Certificate No. 11-143* the predetermined breaking load of 12.5 kN per anchor. (You can read this approval certificate on our website).

The choice of anchor type depends on the position of the reinforcement. With the different number 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

Art.-No.	Designation	Type	Execution hot-dip	Weight/ Piece	Price € /piece	Price € /Metre
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 Anchor 8 pieces on each side	3 m long, divisible	8 kg	45,00	15,00
56468	BGWTU 60/22/3	D3 ear anchor 20 pieces on each side	3 m long, divisible into 150 mm	9 kg	64,50	21,50

Packaging:

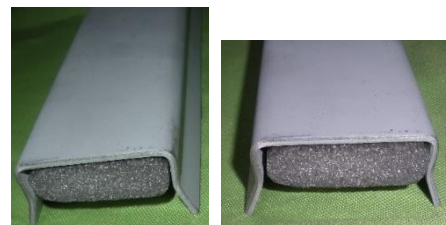
1 pallet with fork anchor: 48 pcs.

1 pallet with ear anchor: 100 pcs.

Hollow profile for the installation of double-shell façades (cassette facades)

Trapezoidal sheet metal substructure profile for installation in precast concrete elements, such as columns and trusses.

This hollow profile has a filler core made of soft foam for subsequent screwing in of self-drilling screws.



No.	Designation	Mat.	Quality	Dimensions WxH	Mat. Thickness mm	Weight/ Piece kg	Price €/piece	Price € /piece
56472	BGW TU	S235	Feuerverz.	60x30	3	8,5		49
56473	BGW TU	S235	Feuerverz.	100x30	3	11,5		54
56474	BGW TU	1.4571	V4A Stainless	60x30	3	9,75		85
56745	BGW TU	1.4571	V4A Stainless	100x30	3	13		105

BGW Anchor Channels (AS)cold-rolled

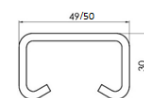
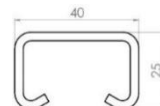
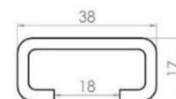
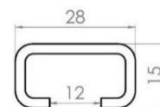
04/22 (11/21)

with European Technical Approval ETA-16/0387

ETA Approval Anchor Channels with Screws: https://bgw-bohr.de/pdf/Ankerschienen_ETA-Zulassung-2017.pdf

English Version: <https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf>

Item no.				Profile	Length mm	Number Anchor	Weight kg/piece	Price €/pc.	
Hot-dip galvanized (FV)	Stainless steel (V4A)							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
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
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
AS-49/30-100	(fv)	AS-49/30-100E	(V4A)	49/30 50/30	100	2	0,420		
AS-49/30-150	(fv)	AS-49/30-150E	(V4A)	49/30 50/30	150	2	0,569	12,00	33,00
AS-49/30-200	(fv)	AS-49/30-200E	(V4A)	49/30 50/30	200	2	0,723	13,00	38,00



The goods must be checked for function by the customer as part of an incoming goods inspection.



Anchor rail curved on request



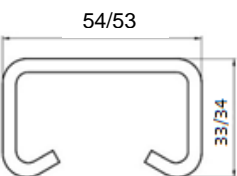
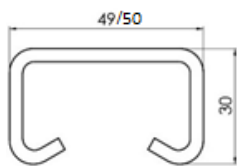
BGW anchor channels (AS), cold-rolled

04/22 (11/21)

ETA Approval Anchor Channels with Screws: https://bgw-bohr.de/pdf/Ankerschienen_ETAZulassung-2017.pdf

English Version: <https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf>

Item no.		Profile	Length mm	Number Anchor	Weight kg/piece	Price €/pc.	
Hot-dip galvanized (FV)	Stainless steel (V4A)					Fv	V4A
AS-49/30-250 (fv)	AS-49/30-250E (V4A)	49/30 50/30	250	2	0,877	14,00	44,00
AS-49/30-300 (fv)	AS-49/30-300E (V4A)	49/30 50/30	300	2	1,085	15,00	51,00
AS-49/30-350 (fv)	AS-49/30-350E (V4A)	49/30 50/30	350	3	1,238	19,50	62,00
AS-49/30-400 (fv)	AS-49/30-400E (V4A)	49/30 50/30	400	3	1,392	21,00	68,50
AS-49/30-550 (fv)	AS-49/30-550E (V4A)	49/30 50/30	550	3	1,853	24,00	89,00
AS-49/30-800 (fv)	AS-49/30-800E (V4A)	49/30 50/30	800	4	2,675	33,50	125,00
AS-49/30-1050 (fv)	AS-49/30-1050E (V4A)	49/30 50/30	1050	5	3,498	41,50	164,00
AS-49/30-3050 (fv)	AS-49/30-3050E (V4A)	49/30 50/30	3050	13	10,077	119,00	470,00
AS-49/30-6070 (fv)	AS-49/30-6070E (V4A)	49/30 50/30	6070	25	20,008	227,50	895,00
AS-53/34-150K (fv)	AS-53/34-150KE (V4A)	53/34 54/33	150	2	0,488	20,50	58,50
AS-53/34-200K (fv)	AS-53/34-200KE (V4A)	53/34 54/33	200	2	0,650	23,50	69,00
AS-53/34-250K (fv)	AS-53/34-250KE (V4A)	53/34 54/33	250	2	0,813	26,50	79,50
AS-53/34-300K (fv)	AS-53/34-300KE (V4A)	53/34 54/33	300	2	1,530	29,50	89,50
AS-53/34-350K (fv)	AS-53/34-350KE (V4A)	53/34 54/33	350	3	1,785	35,50	114,00
AS-53/34-400K (fv)	AS-53/34-400KE (V4A)	53/34 54/33	400	3	2,040	38,50	124,00
AS-53/34-550K (fv)	AS-53/34-550KE (V4A)	53/34 54/33	550	3	2,805	47,50	155,00
AS-53/34-800K (fv)	AS-53/34-800KE (V4A)	53/34 54/33	800	4	4,080	66,00	220,50
AS-53/34-1050K (fv)	AS-53/34-1050KE (V4A)	53/34 54/33	1050	5	5,355	103,50	286,00
AS-53/34-3050K (fv)	AS-53/34-3050KE (V4A)	53/34 54/33	3050	13	15,300	219,50	790,00
AS-53/34-6070K (fv)	AS-53/34-6070KE (V4A)	53/34 54/33	6070	25	30,600	479,00	1.325,50
AS-72/48-150K (fv)	AS-72/48-150KE (V4A)	72/48 72/49	150	2	1,358	41,00	94,00
AS-72/48-200K (fv)	AS-72/48-200KE (V4A)	72/48 72/49	200	2	1,810	44,00	106,50
AS-72/48-250K (fv)	AS-72/48-250KE (V4A)	72/48 72/49	250	2	2,263	47,50	119,50
AS-72/48-300K (fv)	AS-72/48-300KE (V4A)	72/48 72/49	300	2	2,715	50,50	132,50
AS-72/48-350K (fv)	AS-72/48-350KE (V4A)	72/48 72/49	350	3	3,168	54,00	145,50



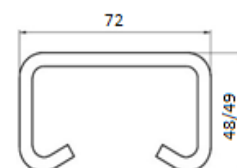
The goods must be checked for function by the customer as part of an incoming goods inspection.

BGW anchor channels (AS), cold-rolled

04/22 (11/21)

ETA Approval Anchor Channels with Screws: https://bgw-bohr.de/pdf/Ankerschienen_ETa-Zulassung-2017.pdf
 English Version: <https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf>

Item no.		Profile	Length mm	Number Anchor	Weight kg/piece	Price €/pc.	
Hot-dip galvanized (FV)	Stainless steel (V4A)					Fv	V4A
AS-72/48-400K (fv)	AS-72/48-400KE (V4A)	72/48 72/49	400	3	3,620	69,00	183,00
AS-72/48-550K (fv)	AS-72/48-550KE (V4A)	72/48 72/49	550	3	4,978	77,50	222,00
AS-72/48-800K (fv)	AS-72/48-800KE (V4A)	72/48 72/49	800	4	7,240	106,00	310,00
AS-72/48-1050K (fv)	AS-72/48-1050KE (V4A)	72/48 72/49	1050	5	9,503	156,50	393,00
AS-72/48-3050K (fv)	AS-72/48-3050KE (V4A)	72/48 72/49	3050	13	27,150	301,50	1.015,00
AS-72/48-6070K (fv)	AS-72/48-6070KE (V4A)	72/48 72/49	6070	25	54,300	728,50	2.009,50



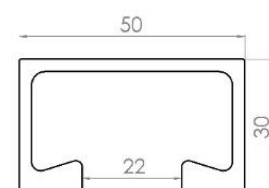
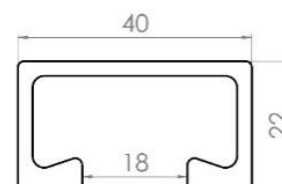
BGW anchor channels (AS), hot-rolled

04/22 (11/21)

with European Technical Approval ETA-16/0387

ETA Approval Anchor Channels with Screws: https://bgw-bohr.de/pdf/Ankerschienen_ETa-Zulassung-2017.pdf
 English Version: <https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf>

Item no.		Profile	Length mm	Number Anchor	Weight kg/piece	Price €/pc.	
Hot-dip galvanized (FV)	Stainless steel (V4A)					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
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	



Anchor rail curved on request



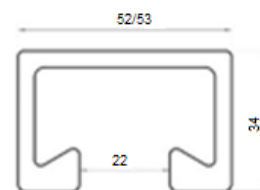
The goods must be checked for function by the customer as part of an incoming goods inspection.

BGW anchor channels (AS), hot-rolled

04/22 (11/21)

ETA Approval Anchor Channels with Screws: <https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf>

Item no.		Profile	Length mm	Number Anchor	Weight kg/piece	Price €/pc.	
Hot-dip galvanized (FV)	Stainless steel (V4A)					Fv	V4A
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
AS-52/34-150	(fv) AS-52/34-150E (V4A)	52/34 53/34	150	2	1,092	20,00	66,00
AS-52/34-200	(fv) AS-52/34-200E (V4A)	52/34 53/34	200	2	1,376	23,00	80,50
AS-52/34-250	(fv) AS-52/34-250E (V4A)	52/34 53/34	250	2	1,661	25,50	95,00
AS-52/34-300	(fv) AS-52/34-300E (V4A)	52/34 53/34	300	2	1,945	28,50	109,00
AS-52/34-350	(fv) AS-52/34-350E (V4A)	52/34 53/34	350	3	2,349	36,00	131,00
AS-52/34-400	(fv) AS-52/34-400E (V4A)	52/34 53/34	400	3	2,633	39,00	145,00
AS-52/34-550	(fv) AS-52/34-550E (V4A)	52/34 53/34	550	3	3,485	48,00	188,00
AS-52/34-800	(fv) AS-52/34-800E (V4A)	52/34 53/34	800	4	5,026	67,50	265,50
AS-52/34-1050	(fv) AS-52/34-1050E (V4A)	52/34 53/34	1050	5	5,880	120,00	368,50
AS-52/34-3050	(fv) AS-52/34-3050E (V4A)	52/34 53/34	3050	13	16,800	265,50	1.026,00
AS-52/34-4500	(fv) AS-52/34-4500E (V4A)	52/34 53/34	4500	13			
AS-52/34-5000	(fv) AS-52/34-5000E (V4A)	52/34 53/34	5000	13			
AS-52/34-6070	(fv) AS-52/34-6070E (V4A)	52/34 53/34	6070	25	33,600	490,00	1.957,00
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	
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



Very popular:
BGW-HM16 is a magnet system for attaching C-shaped Anchor channels on steel formwork with hammer head locking for a secure fit (connection) of the anchor rail and magnet system as well as secure adhesion to the steel formwork.

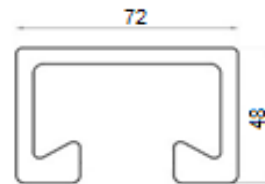


The goods must be checked for function by the customer as part of an incoming goods inspection.

BGW anchor channels (AS), hot-rolled

04/22 (11/21)

Item no.		Profile	Length mm	Number Anchor	Weight kg/piece	Price €/pc.	
Hot-dip galvanized (FV)	Stainless steel (V4A)					Fv	V4A
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



BGW anchor channels (AS), hot-rolled, toothed

04/22 (11/21)

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English Version: <https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf>

Item no.		Profile	Length mm	Number Anchor	Weight kg/piece	Price €/pc.	
Hot-dip galvanized (FV)	Stainless steel (V4A)					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	
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
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
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	



Anchor rail curved on request



BGW anchor channels (AS), hot-rolled, toothed

04/22 (11/21)

The goods must be checked for function by the customer as part of an incoming goods inspection.

Item no.		Profile	Length mm	Number Anchor	Weight kg/piece	Price €/pc.	
Hot-dip galvanized (FV)	Stainless steel (V4A)					Fv	V4A
AS-64/44-350	(fv) AS-64/44-350E (V4A)	64/44	350	3	2,905	17,50	
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	



BGW anchor channels (AS), cold-rolled, toothed

04/22 (11/21)

ETA Approval Anchor Channels with Screws: https://bgw-bohr.de/pdf/Ankerschienen_ETa-Zulassung-2017.pdf
 English Version: <https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf>

Item no.		Profile	Length mm	Number Anchor	Weight kg/piece	Price €/pc.	
Hot-dip galvanized (FV)	Stainless steel (V4A)					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

The goods must be checked for function by the customer as part of an incoming goods inspection.



Anchor rail curved on request



BGW Wall Connection Rail

06/23_(06/23)

BGW wall connection rails are poured vertically into the precast concrete element, the concrete wall, at freely selectable intervals.

Subsequently, wall connection anchors are hooked into the rails and walled into the joints of the pre-masonry masonry.

Item no.	Profile	Length mm	Number Anchor	Weight kg/piece	Price €/pc.
HMS25/15D	25/15	2500	10	0,95	7,60



BGW hammer head screws (HKS) with nut 09/23 (09/23) in galvanized

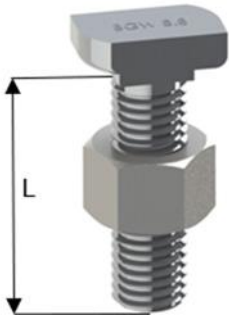
and stainless steel

for anchor rail type 28/15

Please order washers separately if required.

ETA Approval Anchor Channels with Screws: <https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf>

Profile	Thread x Length mm	galvanized 8.8		VE	V4A-70		VE
		Art.-No.	Price €/100 piece		Art.-No.	Price €/100 piece	
28/15	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	Item number 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	Item number 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 according to DIN 125 galvanized

Art.-No.	for Screw	Ø inside Mm	Ø outside Mm	Starch Mm	Price €/100 piece
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 hammer head screws (HKS) with nut 09/23 (09/23)

in galvanized and stainless steel

for anchor rail 38/17

Please order washers separately if required.

ETA Approval Anchor Channels with Screws: <https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf>

Profile	Thread x Length mm	galvanized 8.8		VE	V4A-70		VE
		Art.-No.	Price €/100 piece		Art.-No.	Price €/100 piece	
	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	Item number 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	Item number 56190-45A4	970,00	50
	M12 x 50	56191	148,00	50	56191E	1043,00	50
	M12 x 60	56190-46	155,00	50	Item number 56190-46A4	1155,00	50
	M12 x 80	56190-47	163,00	50	Item number 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	Item number 56190-51A4	2863,00	25
	M16 x 20	56190-52	161,00	50			
	M16 x 30	56190-53	165,00	50	Item number 56190-53A4	1222,00	50
	M16 x 40	56191-5	167,00	50	Item number 56191-5A4	1326,00	50
	M16 x 50	56191-1	183,00	50	Item number 56191-1A4	1468,00	50
	M16 x 60	56191-6	200,00	50	Item number 56191-6A4	1560,00	25
	M16 x 80	56190-54	232,00	25	Item number 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	Item number 56191-57A4	3132,00	25
	M16 x 200	56190-58	714,00	25	Item number 56190-58A4	3739,00	25

Washers according to DIN 125 galvanized

Art.-No.	for Screw	Ø inside Mm	Ø outside Mm	Starch Mm	Price €/100 piece
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 hammer head screws (HKS) with nut 09/23 (09/23) in galvanized

and stainless steel

for anchor rail 40/22 and 40/25

Please order washers separately if required.

ETA Approval Anchor Channels with Screws: <https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf>

Profile	Thread x Length mm	galvanized 8.8		VE	V4A-70		VE
		Art.-No.	Price €/100 piece		Art.-No.	Price €/100 piece	
40/22 - 40/25							
	M10 x 20	56190-59	115,00	100			
	M10 x 30	56190-60	117,00	100	Item number 56190-60A4	1959,00	25
	M10 x 40	56190-61	122,00	100	Item number 56190-61A4	2002,00	25
	M10 x 50	56190-62	124,00	100	Item number 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	Item number 56191-4A4	1465,00	25
	M12 x 50	56190-4	154,00	50	Item number 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	Item number 56190-72A4	2869,00	10
	M12 x 200	56190-73	460,00	25			
	M16 x 30	56190-74	195,00	50	Item number 56190-74A4	1496,00	25
	M16 x 40	56191-3	207,00	50	Item number 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	Item number 56190-75A4	1811,00	25
	M16 x 70	56191-12	246,00	25			
	M16 x 80	56190-76	265,00	25	Item number 56190-76A4	1964,00	25
	M16 x 100	56190-77	323,00	25	Item number 56190-77A4	2482,00	10
M16 x 125	56190-78	384,00	25				
M16 x 150	56190-79	486,00	25	Item number 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 according to DIN 125 galvanized

Art.-No.	for Screw	Ø inside Mm	Ø outside Mm	Starch Mm	Price €/100 piece
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 hammer head screws (HKS) with nut 09/23 (09/23) in galvanized

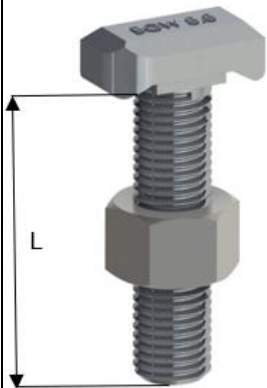
and stainless steel

for anchor rail 49/30, 50/30 and 52/34

Please order washers separately if required.

ETA Approval Anchor Channels with Screws: <https://www.bgw-bohr.de/pdf/ETA-Zulassung-Englisch-2017.pdf>

Profile	Thread x Length mm	galvanized 8.8		VE	V4A-70		VE
		Art.-No.	Price €/100 piece		Art.-No.	Price €/100 piece	
49/30 - 50/30 - 52/34							
	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	Item number 56190-86A4	1528,00	25
	M12 x 40	56191-9	215,00	50	Item number 56191-9A4	1543,00	25
	M12 x 50	56190-87	224,00	50	Item number 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	Item number 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	Item number 56190-93A4	2444,00	25
	M16 x 40	56190-5	258,00	50	Item number 56190-5A4	2698,00	25
	M16 x 50	56190-94	271,00	50	Item number 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	Item number 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	Item number 56190-102A4	2924,00	25
	M20 x 55	56190-103	343,00	25	Item number 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	Item number 56190-106A4	3640,00	10
	M20 x 125	56190-107	577,00	25	Item number 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 according to DIN 125 galvanized

Art.-No.	for Screw	Ø inside Mm	Ø outside Mm	Starch Mm	Price €/100 piece
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-HM16 for fixing anchor channels

06/19 (11/19)

Magnet system for attaching C-shaped anchor rails to steel formwork with hammer head lock for secure fit (connection) of the anchor rail and magnet system, as well as secure adhesion to the steel formwork.

The fixation system consists of a magnetic strip. The magnetic material is neodymium. The magnetic strip is cast in plastic, so that the magnet system is protected and unintentional adhesion to the rail base is avoided.

In order to fix the anchor rail to the steel formwork, the magnetic strip is inserted into the anchor rail with the non-stick side, and with a screwdriver or a 5-cent piece, the locking element is twisted by 90° so that it engages the profile. To prevent the magnetic strip from slipping in the profile slot, the grub screw in the locking part with Allen key 3 mm is screwed in to the base of the anchor channel after alignment. This then fixes the magnetic strip in the anchor rail by pressing the locking element against the undercuts of the profile. On this axis, the magnet system then aligns itself to the formwork side.

It is important that the magnetic strip is protected with a thick layer of release agent before installation in the anchor rail, the locking element, the thread and the grub screw with a thick layer of grease (against concrete).

The magnetic strip must be protected from penetrating concrete along its entire length, including the anchor rail, with a thin adhesive strip, e.g. packing tape. After stripping, peel off the adhesive stiffener, unlock the magnet, allow the magnetic strip to adhere to the flat bar and remove it from the anchor rail. Keep the magnet system clean!

BGW-HM16 with a locking mechanism inside

Length: 100 mm

Item no.	Profile Type	Length Mm	Adhesive force medical history	Weight medical history	Price €/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 medical history	Weight medical history	Price €/piece
HM16-HAC-20W	20W	125	40	0,120	52,00



Length: 150 mm

Item no.	Profile - type	Length Mm	Detent ion-force kg	Weight medical history	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
HM16-53/34W-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

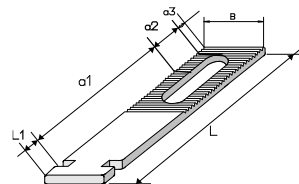
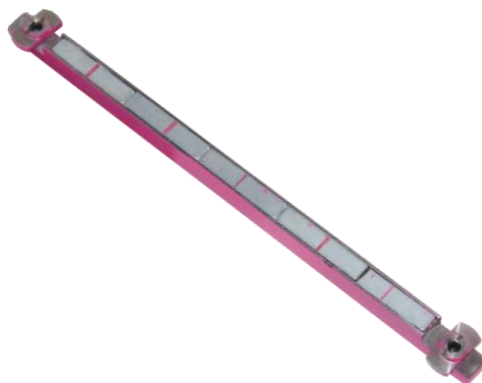
Length: 200 mm

Item no.	Profile - type	Length Mm	Detent ion-force kg	Weight medical history	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
HM16-53/34W	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 Mmm	Detention-force kg	Weight kg	Price €/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
HM16-53/34W2-240	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



BGW Toothed Anchor (ZA) / Connecting Lugs

03/14 (05/13)

The **BGW Toothed Anchors/Tooth Retention Anchors** (Anchoring Straps) in conjunction with the BGW counter plate, serve in combination with the BGW anchor rail, e.g. for the permanent and secure fastening of precast concrete elements. Through the gear grooves milled at a distance of 2mm, in the anchor and the counter plate, is, by tightening the fastening screw, with the help of the tooth retention anchor and the counter plate, a slip-free, form-fitting position stabilization is ensured. Anchor channels of sizes 28/15, 38/17, 40/25, 49/30, 40/22 and 50/30.

Finish: galvanized or stainless steel V4A

Toothed anchor for anchor channels load level 3.5 kN, galvanized / stainless steel V4A (1.4571)

Anchor channel profile 28/15

incl. toothed washer/counter plate 25 x 25 x 6 mm

Profile	Loading step Train/kN	Art.-No. galvanized	Art.-No. Stainless Steel V4A 1.4571	Length L mm	Width B mm	Slot w x l mm	Thickness mm	a 1 Mm	Price galvanized €/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		

Other length and width measurements are available on

Anchor rail 40/25
= 40/25 Halfen rails = 40/25 Jordahl

Anchor channels 49/30
= 49/30 Halfen rails = 50/30 Jordahl

Toothed anchor for anchor channels load level 7.0 kN, galvanized / stainless steel V4A (1.4571)

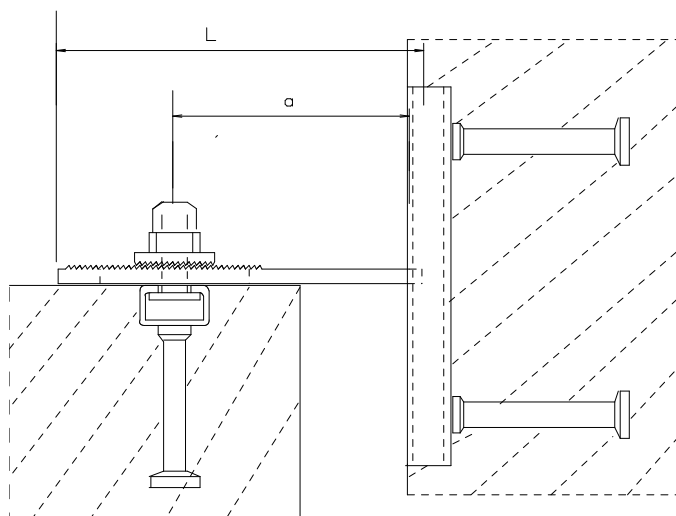
Anchor channel profile 38/17

incl. toothed washer/counter plate 30 x 30 x 6 mm

Profile	Loading step Train/kN	Art.-No. galvanized	Art.-No. Stainless Steel V4A 1.4571	Length L mm	Width B mm	Slot w x l mm	Thickness mm	a 1 Mm	Price galvanized €/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

BGW Toothed Anchor (ZA) / Connecting Brackets 03/14

(05/13)



Toothed anchor for anchor channels load level 8.0 kN, galvanized

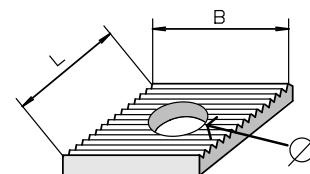
Anchor channel profile 40/22, 40/25

incl. toothed washer/counter plate 40 x 40 x 6 mm

Profile	Loading step Train/kN	Art.-No. galvanized	Art.-No. Stainless steel	Length L mm	Width B mm	Slot w x l mm	Thickness Mm	a 1 Mm	Price galvanized €/piece
40/22	8,0	7250	7251	95	40	17 x 50	6	30	9,25
		7252	7253	100	40	17 x 50	6	35	9,30
		7254	7255	110	40	17 x 50	6	45	9,40
		7256	7257	120	40	17 x 50	6	55	9,50
		7258	7259	130	40	17 x 50	6	65	9,60
		7260	7261	140	40	17 x 50	6	75	9,70
		7262	7263	150	40	17 x 50	6	85	9,80
		7264	7265	160	40	17 x 50	6	95	9,90
		7266	7267	170	40	17 x 50	6	105	10,00
		7268	7269	180	40	17 x 50	6	115	10,10
		7270	7271	190	40	17 x 50	6	125	10,25
		7272	7273	200	40	17 x 50	6	135	10,35
		7274	7275	210	40	17 x 50	6	145	10,45
		7276	7277	220	40	17 x 50	6	155	10,55
		7278	7279	230	40	17 x 50	6	165	10,65
7280	7281	240	40	17 x 50	6	175	10,75		
7282	7283	250	40	17 x 50	6	185	10,85		

BGW counter plate for toothed anchors

For Anchor rail	L x W Mm	Drilling Ø mm	Thick ness Mm	galvanized		Stainless steel V4A	
				Art.-No.	€/piece	Art.-No.	€/piece
28/15	25 x 25	11	6	7286	2,00	7293	on Inquiry
38/17	30 x 30	13	6	7287	3,00	7294	
40/22	40 x 40	17	6	7291	4,00	7299	



BGW VS Connection Loop

02/24 (04/18)

Made of flexible wire rope. For joining precast concrete elements in grouting grooves.

Information and data sheet: https://bgw-bohr.de/pdf/Connection_Loop_Box_Datasheet.pdf

Test Certificate: https://bgw-bohr.de/pdf/Test_certificate_Connection_loop_box.pdf



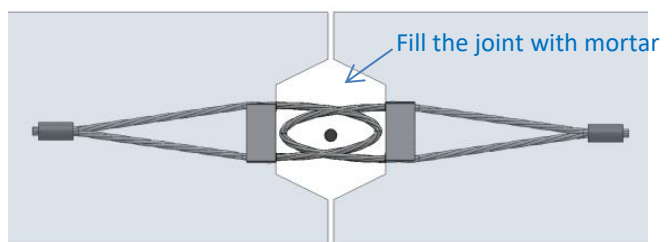
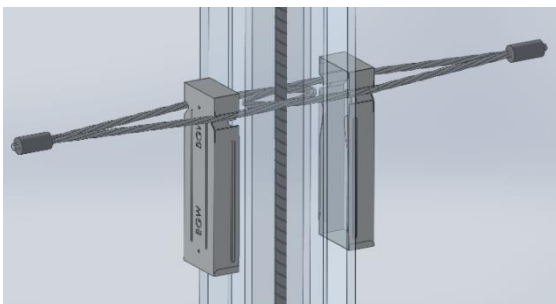
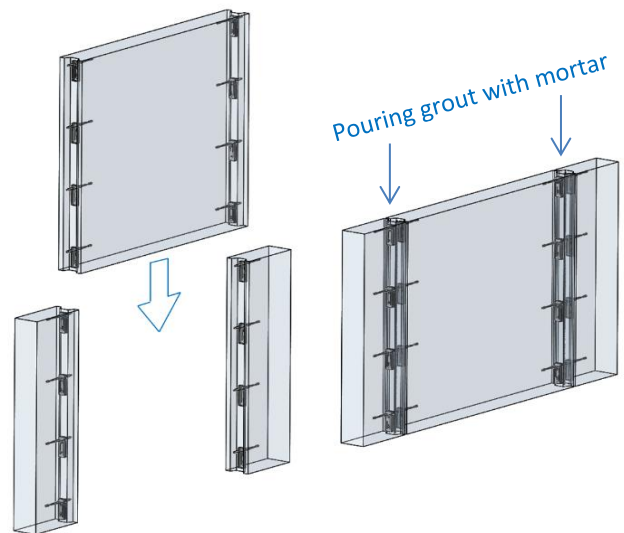
The BGW connection loop is used to connect precast concrete elements. BGW connection loops straighten up again after each bump. This means that precast concrete elements can be installed easily and without any problems. It is no longer necessary to bend fasteners at a later date. After installation, be sure to fill the joints with shrinkage-free mortar to ensure functionality safely.

The opening, the eyelet of the BGW connection loop for the mandrel for connecting the connecting loops to each other, is wider because the rope guide of the BGW connection loops is not in the middle of the sheet metal housing, but on the outside of the sheet metal housing and is therefore already at least 50mm wide.

Even the anchoring of the connecting loop in the component is therefore distributed over a larger area, i.e. at least 50mm wide.

Advantages

- Flexible fasteners, which small grouting joints can be made possible
- Safe grouting with flowable and anti-shrinkage 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 versions available for lightweight concrete
- Sturdy cover also suitable for attaching with magnets
- The textured surface provides a Adhesion with concrete
- The connecting loop straightens itself up again as an eyelet, fits into the recess provided
- No rebending by the fitter necessary



When installing the connecting loop, the storage box is attached to the formwork element with the closed side. For nailing, there are two holes in the storage box for attaching to the wooden formwork with wire pins.

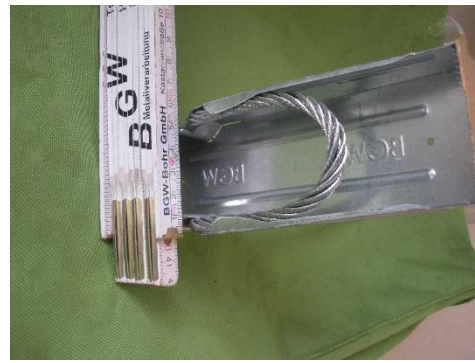
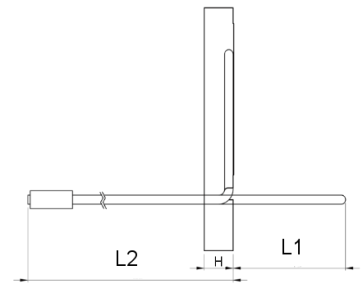
The storage box could also be attached to the formwork with HM24 magnets. When assembling the prefabricated parts, the storage box is opened and the wire rope loop is pulled out of the storage box until it is angled.

The galvanized wire rope DIN 3060 SE of the wire rope loop has a \varnothing of 6 mm. The strength of the wires is 1770 n/mm², breaking load approx. 22.7 kn. The connecting loop of the wire rope is protected from penetrating concrete in a storage box made of galvanized sheet steel. This is approved by the open rope loops, the removal side is closed with a waterproof adhesive tape.

Vertices:

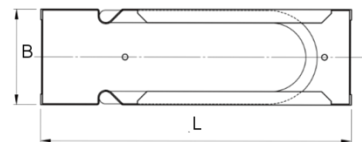
Wire rope DIN 3060 SE \varnothing 6mm verz. Breaking load 22.7 kn. x 2nd Strands

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.



BGW VS Connection Loop

Art.-No.	L1 Mm	L2 Mm	H Mm	B Mm	L Mm	Wire rope \varnothing	Weight kg/pc	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 a wooden formwork by means of pneumatic nailers.

https://www.bgw-bohr.de/video/2020_03_15_Verbindungsschlaufen_Annageln.avi



BGW-HM24 for fixing connecting loops

12/21 (12/21)

Art.-No.	Adhesive force kg/page	Length Mm	Width Mm	Height Mm	Weight medical history	Price €/piece
HM24-1	55	40	35	25	0,250	92,00



Installation video instructions at:

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

BGW U-Lock

10/21 (08/19)

Can be used up to a component thickness of 50mm

With the BGW U-lock, components such as rigid connections for chimneys, precast concrete elements such as walls, wall panes or concrete pipes on the construction site can already be used to align the components with each other during assembly. The U-lock is an excellent assembly aid. The U-lock fixes the components when they are installed. The U-lock helps to set up the components, and the worker tightens the screws as needed with the key available from us. The components placed in a row (wall panel, pipes) are aligned or set up and brought into their final position by carefully tightening the screws of the U-lock and the associated forced displacement of the components. As soon as the U-lock is attached, the component can slip or shift within the narrow frame of the U-lock that has not yet been closed. If building components, such as wall panels, concrete pipes, etc. are placed on gravel or concrete and the built-in U-locks are tightened to the point of crunching, then the components remain permanently connected to each other as set up. The radius of the semi-circular lock bodies is adapted to the fasteners and allows for even distribution of force to the shackles. Different spacing of the templates is compensated by suitable screw lengths. When the components are assembled and the U-lock is no longer needed, the U-lock can be removed and reused.



[Static calculations](#)

[Assembly Video Tutorials](#)

Advantages

- Ease of installation, time savings approx. 50%
- Reusable
- High level of safety due to uniform power transmission between the fasteners
- Simple and secure attachment
- Detachable screw connection
- Suitable for all spacing of the templates
- Wall Offset Correction and Compensation
- Can be used as a positive fit and/or expansion joint

To ensure the full load capacity of the U-lock:

The screws must be completely screwed into the crescent moon until they protrude on the opposite side. If this protrusion of the screws used is not possible, then other suitable screws must be used.

BGW U-lock, mounting set in bag

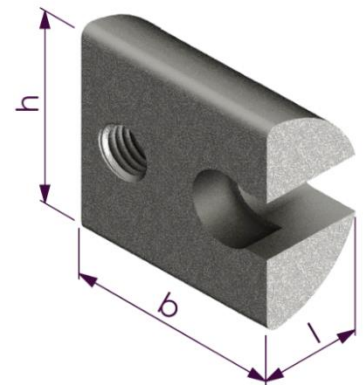
(per set: 2 semicircular lock bodies and 2 screws)

Art.-No.	Material	Price €/piece
44173V	galvanized	8,80

BGW lock body, semi-circular

(two pieces per U-lock needed)

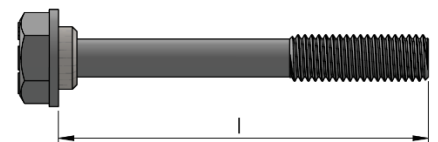
Art.-No.	Material	Length h	Width w	Height h [mm]	Weight kg/piec	Price €/piece
Crescent	S355	20	40	40	0,17	3,20



BGW U-Lock Screw M10 with Centering Ring

(two pieces per U-lock needed)

Art.-No.	Material	Length l [mm]	Weight kg/piec	Price €/piec
562561	8.8, galvanized	80	0,065	0,45
562564	8.8, galvanized	90	0,070	0,50
562565	8.8, galvanized	100	0,075	0,55

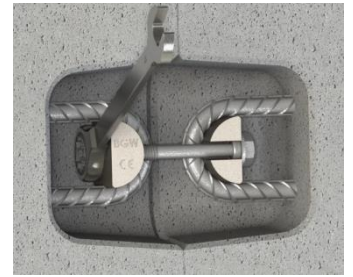
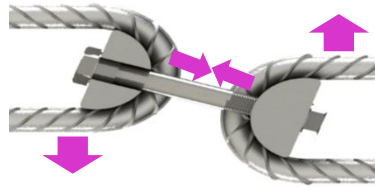


Ratchet wrench SW17

Art.-No.	Material	Weight kg/piece	Price €/piece
16925	Chromium	0,2	35,00



When assembling precast concrete elements, it is possible to partially correct an axial misalignment of the walls with the BGW U-lock. If an offset is desired or can no longer be corrected, it is easily compensated for by the semicircles of the U-lock. The complete thread length of the U-lock is used, so that the tearing out of individual threads is excluded. In the event of dimensional deviations or expected offsets, it is suggested to use flexible wire ropes instead of rigid brackets.



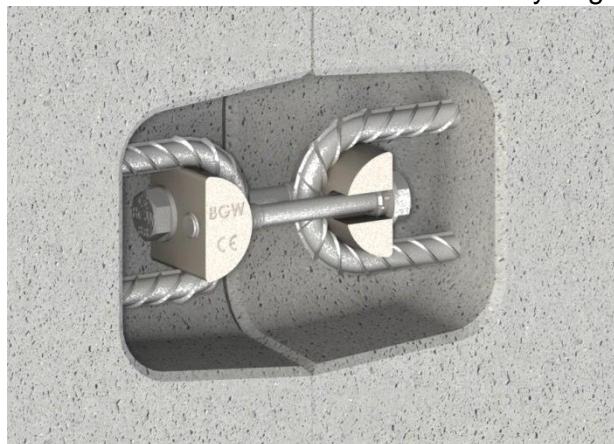
BGW U-Lock

08/19 (08/19)

With BGW U-lock, it is possible to connect the walls at the front or at any angle as a T-butt joint or corner joint.

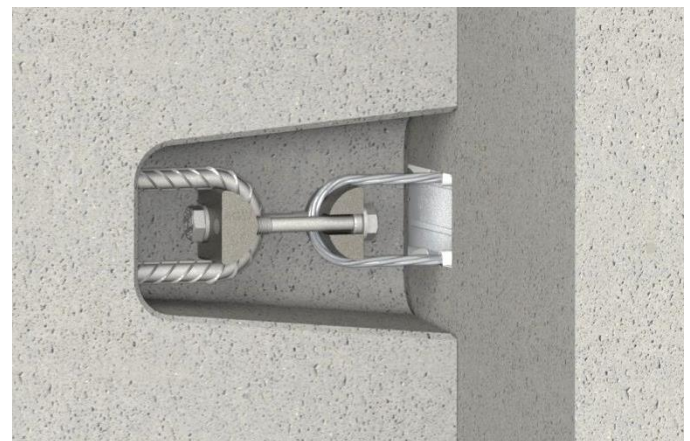
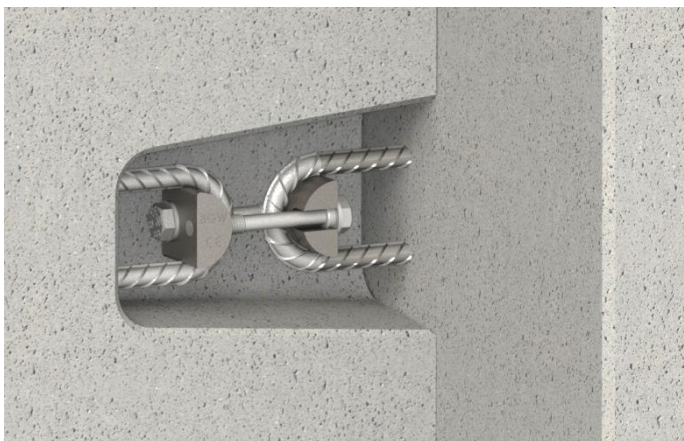
Straight Push

Axial power transmission up to 6.6t



U-lock test report at:
<https://bgw-bohr.de/pdf/BGW-BuegelschlossBericht.pdf>

Picture documentation of the U-lock tensile test:
<https://www.bgw-bohr.de/Zugversuch-Buegelschloss.pdf>



T- butt joint or corner joint
 axial power transmission up to 6.6t

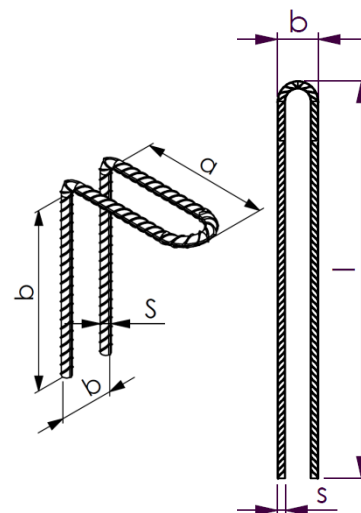
T-butt joint or corner butt with connecting loop
 axial power transmission up to 4.0t

The **BGW U-lock shackle** is concreted into a precast concrete element and is specially adapted to the BGW U-lock.

BGW U-lock shackle made of reinforcing steel B500B

Axial power transmission up to 6.6t. For concrete classes from C12/15 to C50/60

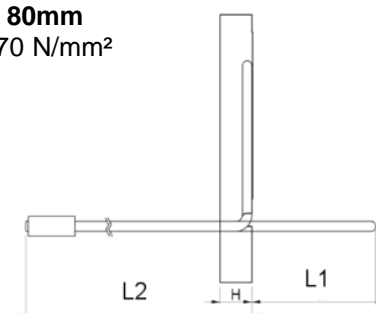
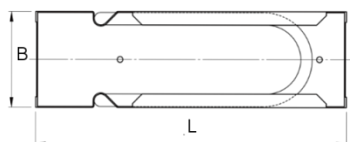
Art.-No.	Material	Execution	Length l [mm]	Width w [mm]	Rod Ø s [mm]	Weight kg/piece	Price €/piece
44171	B500B	straight	710	60	10	0,90	2,20
44171V	B500B,	straight	710	60	10	0,96	3,16
44172	B500B	Angle 90°	710 (A+B)	60	10	0,90	2,31
44172V	B500B,	Angle 90°	710 [a+b]	60	10	0,96	3,27



BGW connection loop with wire rope Ø 6 mm, loop length L1 = 80mm

Axial power transmission up to 4.0t. The strength of the wires is 1770 N/mm²

Art.-No.	Length L1	Length L2	Height H [mm]	Width W	Length L [mm]	Weight kg/piece	Price €/piece
4783	80	215	25	50	160	0,226	2,05



BGW U-Lock Recess bodies and accessories

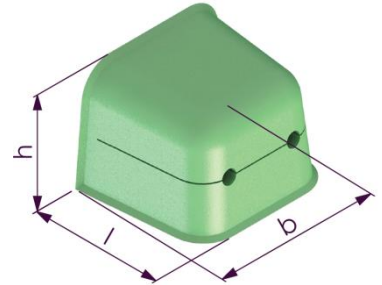
03/21 (08/19)

In order to fix the brackets before concreting and to create recesses in the precast concrete 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 U-lock shackle before concreting. The recess body can be folded apart in the middle and is therefore easy to detach from the templates. If a gasket is inserted into a gap between the components to be connected, then this can be ensured with longer screws, or in the case of standard parts, the distance between the brackets and the recess body with aligned retaining plates.

BGW U-lock recess bodies can be customized to meet all customized requirements.

BGW U-lock recess body made of PU

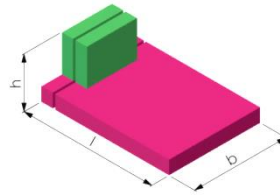
Art.-No.	Execution	Length L [mm]	Width w [mm]	Height h [mm]	Weight kg/piece	Price €/piece
16921	Straight Push	80	114	63	0,378	25,00
16926	Corner Kick	183	124	80	1,290	50,00



BGW float made of PU/wood

(Casting template for 90° brackets)

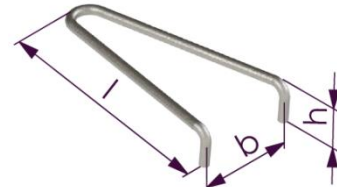
Art.-No.	Length L [mm]	Width w [mm]	Height h [mm]	Weight kg/piece	Price €/piece
16927	275	200	110	1,705	57,50



BGW gripper for recess body

Tool for easy demoulding of the recess bodies

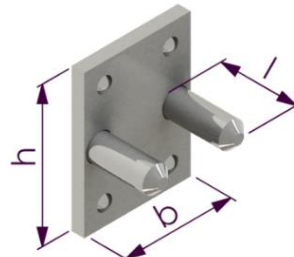
Art.-No.	Length L [mm]	Width w [mm]	Height h [mm]	Weight kg/piece	Price €/piece
16924	180	88	35	0,2	25,00



In order to attach the BGW U-lock recess body to the formwork, a BGW retaining plate is used. Variants are available for nailing to the wooden formwork or for magnetic fixation to the steel formwork.

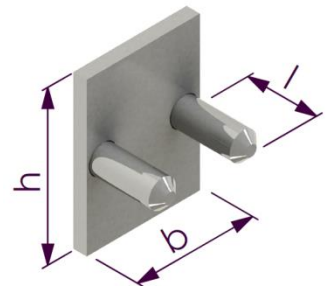
BGW recess body retaining plate for timber formwork made of steel (fastening with nails)

Art.-No.	Length l [mm]	Width w [mm]	Height h [mm]	Gasket [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 (fastening with magnets)

Art.-No.	Length l [mm]	Width w [mm]	Height h [mm]	Gasket [mm]	Weight kg/piece	Price €/piece
16923	33	58	43	0	0,25	64,00



BGW lid for U-lock recess made of fibre concrete

This means that closed recesses can be reopened without much effort for a subsequent check of the connection.

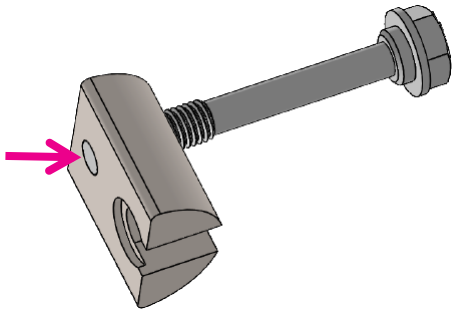
Art.-No.	for butt design	Length h	Width w [mm]	Height h [mm]	Weight kg/piece	Price €/piece
16928	Straight Push	9	82	116	0,075	3,95
16929	Straight Push	9	163	116	0,150	4,60
16930	Corner Kick	10	180	126	0,170	4,95



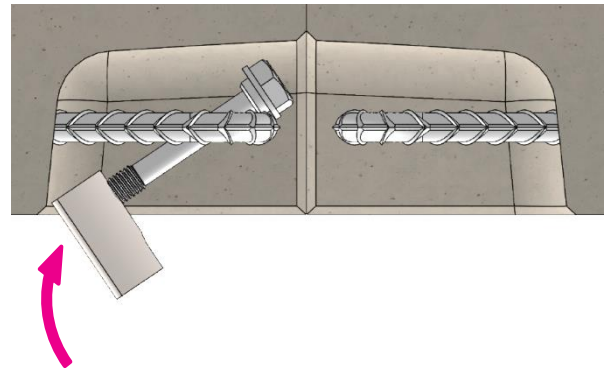
BGW sealing wax for the screws to detect unauthorized loosening/twisting.

Art.-No.	Designation	Price €/piece
80019-1	Sealing	14,50

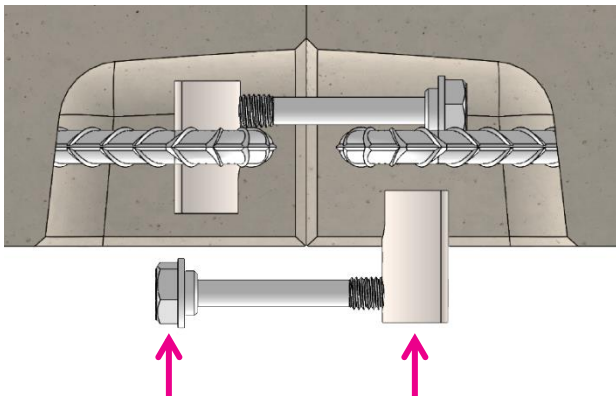




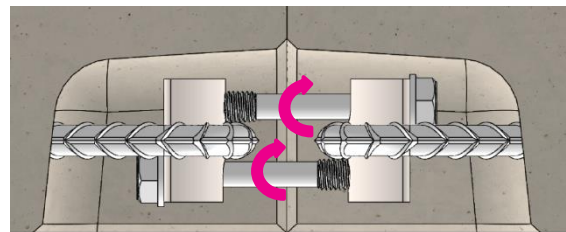
1. Screw the screws into the lock bodies



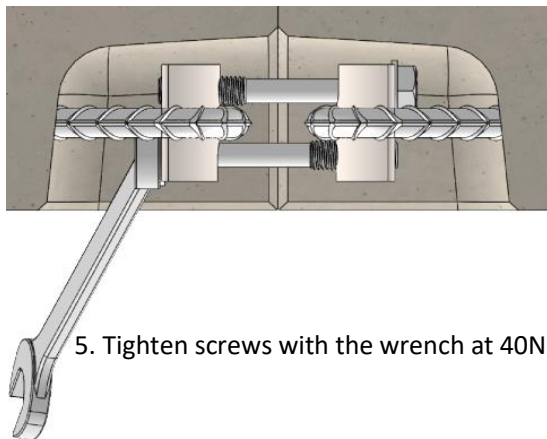
2. Thread the first half of the screw lock behind the stirrups



3. Hook the second half of the screw lock into the first half

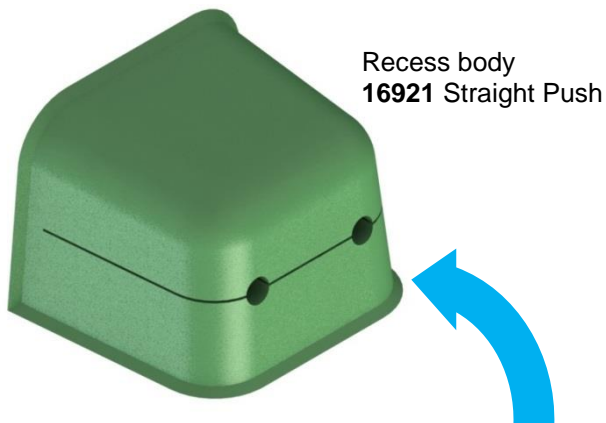


4. Tighten both halves of the screw lock together with your fingers



5. Tighten screws with the wrench at 40Nm

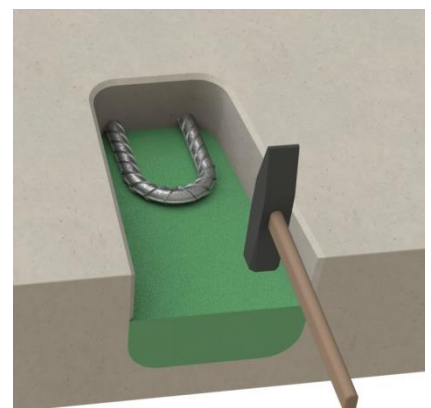
Installation video instructions at:
<https://bgw-bohr.de/video/bgw-buegelschloss.mp4>



Recess body
16921 Straight Push

Apply release agent to and on the recess body before use

Recess body
16926 Corner Kick



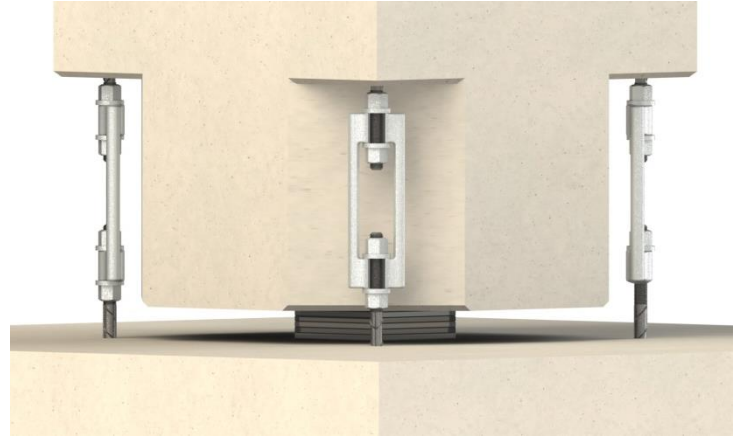
Light hammer blows on the recess body can facilitate demoulding

BGW Anchor Lock

With the BGW anchor lock, components, precast concrete elements that have a threaded part with a fastener built into the component, are connected to each other in a detachable manner. Connections with male thread, internal thread and a combination of exit and internal threads of the same load group can be connected to each other. The BGW anchor lock is ideally suited for creating rigid connections of concrete components and also for building up a prestressed between the precast concrete elements. This can be used to assemble prefabricated columns, beams or transoms in building construction. It is also ideally suited for clamping pipes, shafts, wall panels, angle retaining walls, walls and chimney elements. The construction of the connection is simple and does not hinder the construction of the 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 in the assembly of the components makes it possible to compensate for some inaccuracies in connection with them without having to rework. The window in the anchor lock is wide enough that the nuts can be conveniently tightened with a ratchet wrench, etc. The axial force transmission of the anchor lock is limited by the strength of the anchor rod or by the anchoring built into the concrete component. The cast steel part of the anchor lock is the strongest link in the screw connection.

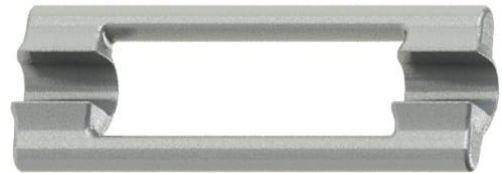
The Mechanical Properties 40Cr+QT Yield Strength $\geq 980\text{MPa}$ Yield Strength $\geq 785\text{MPa}$ Elongation $\geq 9\%$

10/22 (10/22)

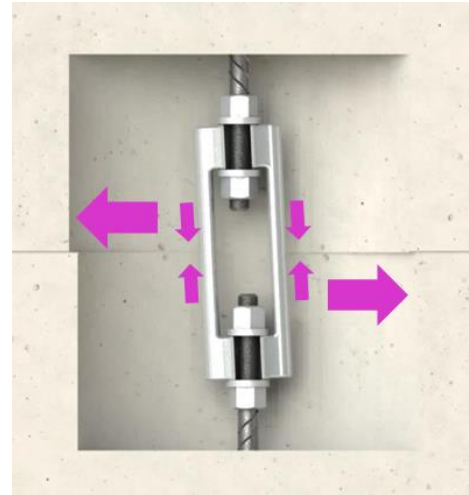
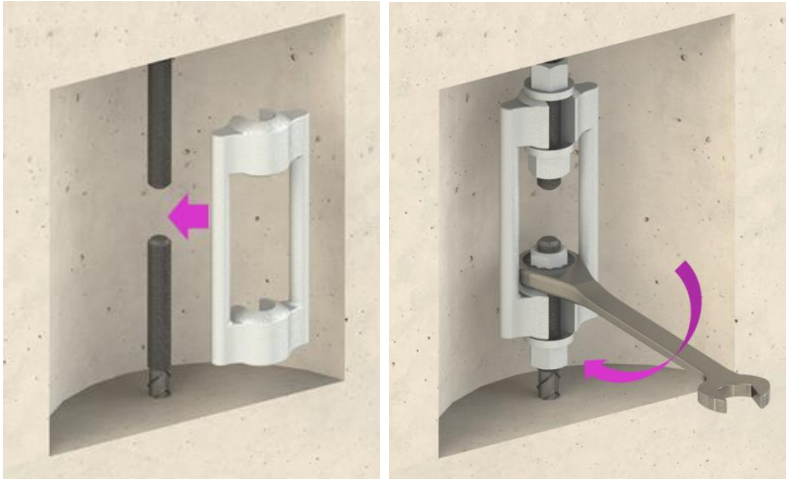


Advantages:

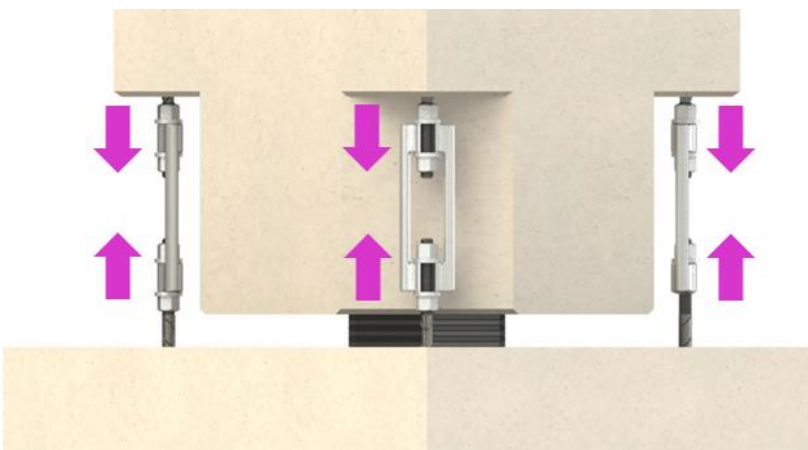
- Fastening with preload
- Simplest installation
- Wall Offset Correction and Compensation
- Detachable screw connection
- A wide range of applications



Simplest installation: wall offset correction and compensation



Excellent flexural rigidity



BGW Anchor Lock

10/22 (10/22)

A reliable, durable bolted connection – especially because it is welded-free.

BGW anchor lock, material 40Cr+QT galvanized

Art.-No.	Slit Anchor rod Mm	Frame outside mm	Frame inside mm	Pillars Ø mm	Weight kg/piece	Price €/piece
610001	12	132x56	77x36	10	0,350	5,20
610002	16	155x72	90x48	12	0,620	
610003	20	190x89	110x57	16	1,320	
610004	24	225x112	124x74	19	2,430	
610005	30	265x128	147x80	24	4,560	



Threaded rod bare

Art.-No.	Thread M	D1 Ø [mm]	D2 Ø [mm]	Weight kg/piece	Packaging Unit Pcs.	Price €/piece
Threaded rod4	12			0,725		
Threaded rod	16			1,330		
Threaded rod7	20			2,080		
Threaded rod2	24			3,000		
Threaded rod8	30			5,549		



DIN 934 8.8.

Art.-No.	Thread M	D1 Ø [mm]	D2 Ø [mm]	Weight kg/piece	Packaging Unit 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		



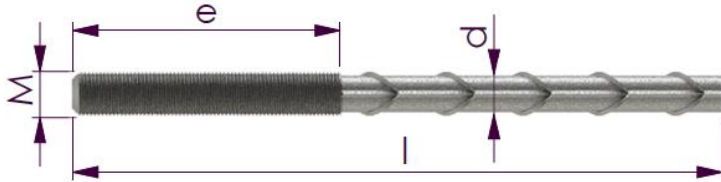
Forming disc

Art.-No.	Thread M	Outside Ø [mm]	Inside Ø [mm]	Starch [mm]	Weight kg/piece	Packaging Unit 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 Reinforcement Connection

Art.-No.	Length h l [mm]	Nominal Ø d [mm]	Thread M	Pkgg. Einh. Piece	Weight kg/piece	Packaging Unit Pcs	Price €/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

Art.-No.	Material	Weight kg/piece	Price €/piece
16925-16	Chromium		
16925-19	Chromium	0,300	37,00
16925-20	Chromium		
16925-24	Chromium		
16925-30	Chromium		

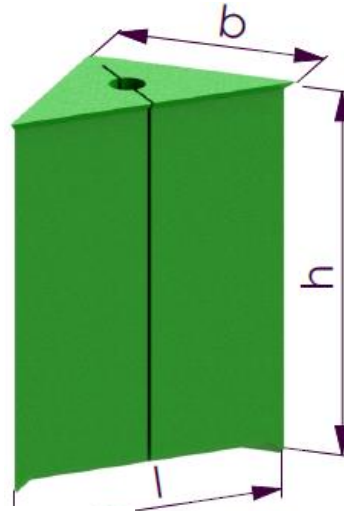


BGW- Anchor lock recess body

In order to create recesses in the precast concrete element for the BGW anchor lock, a BGW anchor lock recess body is required. The BGW anchor lock recess body is attached to the formwork together with the BGW reinforcement connection before concreting. The recess body can be folded apart in the middle, making it easy to remove.

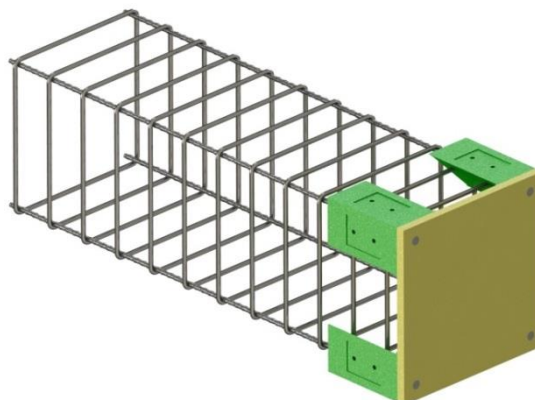
BGW turnbuckle recess body

Art.-No.	Length h l [mm]	Width w [mm]	Height h [mm]	Weight kg/piece	Price €/piece
16926	117	166	177	1,2	25,00



BGW Position Template for Recess Body

Art.-No.	Length h l [mm]	Width w [mm]	Height h [mm]	Weight kg/piece	Price €/piece
16927	a.A.	a.A.	a.A.	a.A.	a.A.



BGW Anchor Lock

09/18_(09/18)

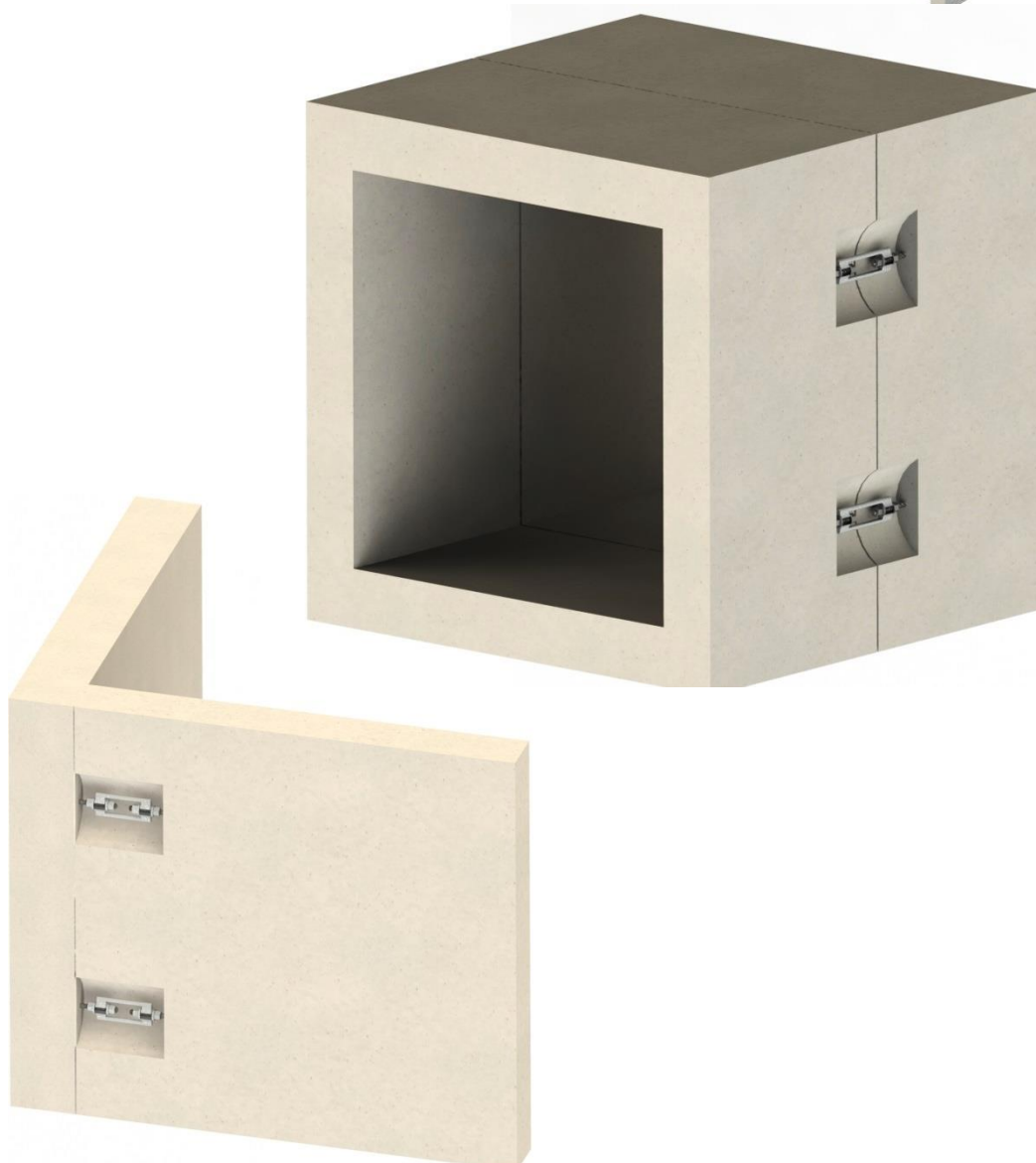
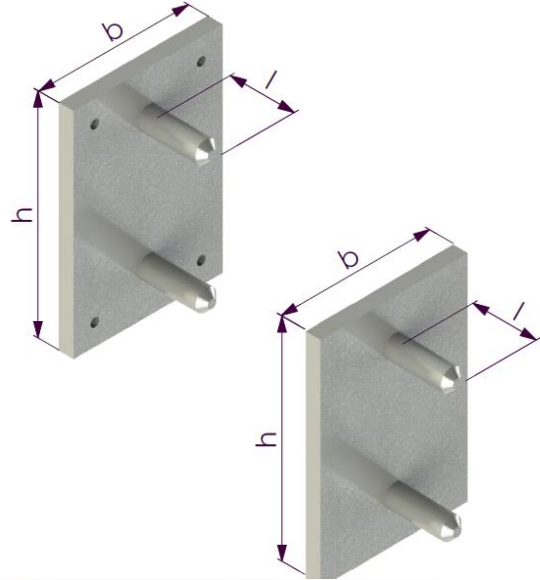
In order to attach the BGW anchor lock recess body to the formwork, a BGW retaining plate is used. Variants are available for nailing to the wooden formwork or for magnetic fixation to the steel formwork.

BGW recess body retaining plate for timber formwork (fastening with nails)

Art.-No.	Length h l [mm]	Width w [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 (Fastening with magnets)

Art.-No.	Length h l [mm]	Width w [mm]	Height h [mm]	Weight kg/piece	Price €/piece
16929	30	70	100	0,25	64,00



BGW BGW Precast Timber Anchor System (HFA) – Anchor – Nut

09/22_(08/17)

The manually operated load handling device is used for the safe and easy lifting of wooden components of all kinds.

Here's how the system works:

- Pre-drill through the finished part – for HFA M12/**16mm**, **HFA M16**/19mm, **HFA M20**/24mm
- Insert the anchor into the pilot hole and hammer in the cleats with the hammer
- Inserting anchor-securing screws
- Pass the rope loop through the drilled hole and screw it into the transport anchor until the thread of the rope loop protrudes from the anchor
- Lifting the load
- Loosen anchor

Please note:

- When attaching to a crane hook, care must be taken to ensure that it cannot damage the wire rope
- After the finished part has been lifted a few centimeters, it is necessary to check in the floating state (by listening) whether the finished part hangs still
- Users must be trained before the first commissioning
- Weights of the components to be lifted must be known and permissible
- According to the BGR 106 safety rules of the employers' liability insurance associations, only transport anchors and load handling devices from the same manufacturer may be used.
- The user is responsible for the safe transmission of the forces into the component.



The metallic fracture values of the built-in armature, as well as the load handling device - three times the nominal load.

If a wire rope has been installed in the load handling device, as is the case with the rope loop, then it must be able to carry 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, and this must also be adhered to during testing.

Load handling devices without visible marking on the load handling device or transport anchors without marking cannot/may not be used for load pick-ups.

Load indication:

Due to its installation specifications, the HFA can only be loaded axially at a time.

If the HFA is installed differently, also in differently softer material than can be seen in the test certificates of the MFPA, then the load-bearing behavior may change. The metallic average fracture values in the test bench HFA M12/ 50kn, HFA M16/ 80kn, HFA M20/ 83kn.

Tests have shown that the HFA, installed and tested in a board made of spruce wood, approx. 25mm thick, presses into the soft spruce wood board at a depth of approx. 10mm under a tensile load of approx. 3.3t, the metal body of the HFA deforms, stretches metallically and breaks.

The HFA precast timber anchor may be used once, multiple use of the HFA is not permitted for safety reasons or for liability reasons.

BGW Precast Timber Anchor (HFA) – Impact Anchor - Impact Nut

01/22^(08/17)

Inspection report:

https://bgw-bohr.de/pdf/Holzfertigteileanker/Einschlaganker_Bericht_MFPA_2014-02-10_1.pdf

EC Declaration of Conformity:

https://www.bgw-bohr.de/pdf/2006_CE-Erklaerung_HFA.pdf

Traditionally, the transport anchor has four cleats all around, with which the anchor is attached to the finished part. Two additional holes in the transport anchor can be used for further fastening. The BGW anchor can be installed with the cleats to the wood, as well as vice versa. The second variant offers the advantage that no pre-drilling is necessary for the threaded journal.

The user is responsible for the safe transmission of the forces into the component.

Art.-No.	Loading step t	Through-knife	Thread	PACK 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 for the rope loop to be screwed through the finished part to the transport anchor, it is combined in the middle with a press clamp. The central crimping makes it easier to screw the rope loop into the transport anchor, as it also serves as a guide in the finished part.

These tapered rope loops are designed for recessed installation, so that no inclined 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 breakage, damage to the thread, crushing, corrosion scars or kinks. Assessment at least once a year by an expert (UVV VBG 9a § 42).

Art.-No.	Loading step t	Height Mm	Thread d x h	PACK 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	0,325	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		



More rope loops at:
[BGW rope loops \(search via Ctrl + F\)](#)

BGW Timber Transport Screw System

09/17^(09/17)

The transport anchor system enables safe and easy lifting of wooden components of all kinds.

Inspection report:

https://bgw-bohr.de/pdf/Holzfertigteileanker_Zugversuche_Transportankersystem_MFPA.

Here's how the system works:

- Screw in the screw without pre-drilling
- Engaging the anchor
- Lifting the load
- Loosen anchor

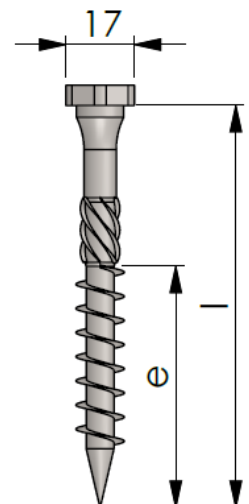
Please note:

- Transport anchor screw may only be used once
- Read the operating instructions in detail before use
- Users must be trained before the first commissioning
- 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 Timber Transport Screw

Kind. -No.	b Mm	Length Mm	Thread length Mm	PACK	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 Ball Head Lifter

The manually operated load handling device made of high-quality steel is used for the safe and easy lifting of wooden components of all kinds.

Kind.- No.	Load group t	Kg/Piece	Price €/piece
1510	1,0 – 1,3	0,70	73,60



BGW Scaffolding Shoes/Scaffolding Sleeves

03/22_(03/22)

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.

In the case of the scaffolding shoe for plugging, openings are left in the component during the production of the walls in the concrete plant. These can be made with the "scaffolding sleeve" that matches the scaffolding shoe or with the reusable magnetic recess body.

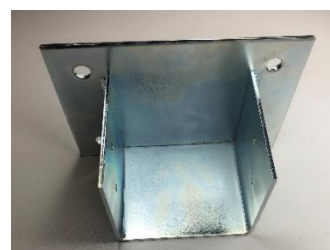
Another type of scaffolding shoes is anchored to the elevator wall, but this could also be attached to the component in previously cast anchor rails with HKS screws. In order to be able to erect such a safe working platform on these scaffolding shoes, these scaffolding shoes must be arranged exactly opposite each other, as in the elevator shaft. The width of the safe cross-section of the wooden beams to be used is determined by the beam support on the scaffolding shoe.

Picture documentation scaffolding shoes and accessories:

https://www.bgw-bohr.de/Bilddokumentation_Geruestschuhe_und_Zubehoer.pdf

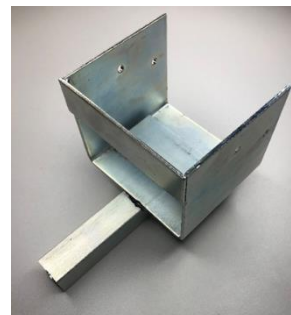
BGW scaffolding shoe for doweling, galvanised For beams approx. width 110mm

Art.-No.		Weight kg/piece	Price €/piece
Phone 0581- 200x140	200x140mm	1,860	12,50



BGW plug-in scaffolding shoe, galvanised For beams approx. width 110mm

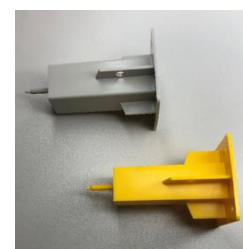
Art.-No.	Mandrel Square Mm	Weight kg/piece	Price €/piece
0581-20	20	1,546	13,30
0581-25	25	1,891	14,30
0581-30	30	2,236	15,50



BGW scaffolding sleeve, plastic for concreting

Scaffolding sleeves are installed in the component during the concreting of the elevator interior walls, as lost formwork. The corresponding scaffolding shoes are then inserted into this cavity in the component during the assembly of the elevator.

Art.-No.	Mandrel Square 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

10/23^(10/23)

The magnetic body, which is protected with release agent, is pushed into the opening of the scaffold sleeve.

To ensure that the scaffolding sleeve in which the magnet is located cannot float up during concreting and that no concrete gets into the scaffolding sleeve, the front side must be masked or closed with a thin adhesive tape.

The last two digits of the article numbers are the measurement of the square of the magnetic body.



Art.-No.	Adhesi on force medical history	Square	Pkgged unit	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 scaffolding shoe recess body magnetic with stand

When concreting components, such as the walls of the driving school shaft, the magnetic placeholders for the pinnacle of the scaffolding shoes are placed on the steel formwork and these are then removed from the component again after the concrete has hardened.

The advantage is that you don't have to use the plastic part, the "scaffolding sleeve".



Art.-No.	Adhesion force kg	Mandrel 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 recess body ASK for scaffolding shoe

Art.-No.	Adhesive force medical history	Square	Pkgged unit	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 Built-in Parts for Elevator Builders

11/21^(11/21)

Image	Art.-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 Shape - Sleeve Galvanized Rd16 x 167 mm	1,07				
2	0258	DWK - Double Shaft Anchor, Short Form - Sleeve Galvanized Rd20 x 187 mm	1,99				
2	0204	DWL - Double Shaft Anchor, Long Shape - Sleeve Galvanized Rd16 x 216 mm	1,18				
2	0208	DWL - Double Shaft Anchor, Long Shape - 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 – sleeve galvanized Rd20 x 170 mm	2,40				
3	HM4-3 M16-1	Magnetic holder M16	72,00				
3	HM4-3 M20-1	Magnetic holder M20	72,00				
4	0904	Retaining disc (nail plate) made of plastic M16	0,35				
4	0908	Retaining disc (nail plate) made of plastic 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 Channels ETA-16/0387 Approval						
Item no.		Profile	Length mm	NumberAnchors	Weight kg/piece	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 loops Rd16 and Rd20					10,50
11	Phone 0581-200x140	Scaffolding shoe for doweling, galvanised					12,50
12	0581-25	Insertable scaffolding shoe for bolts 25 mm, galvanised					14,30
12	0581-30	Scaffolding shoe for plug-in bolts 30 mm, galvanised					15,50

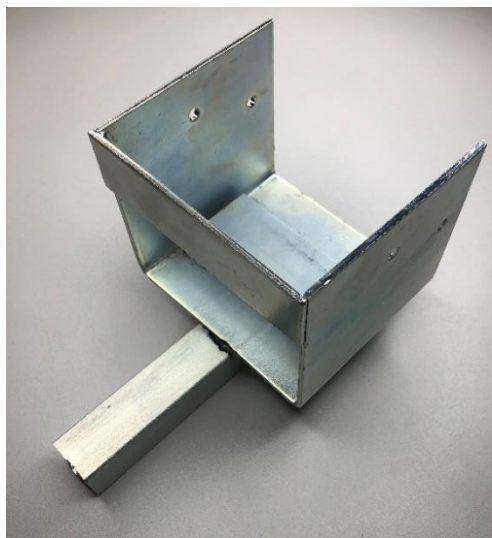
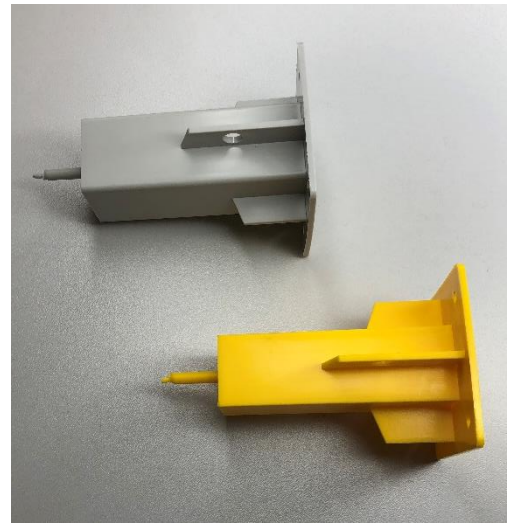
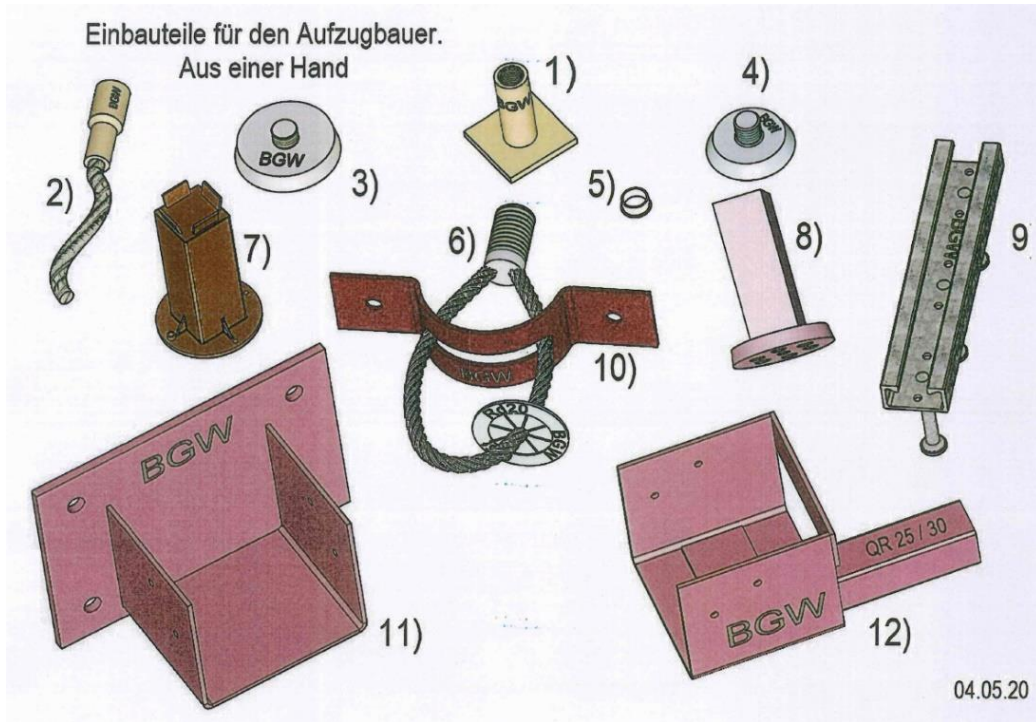
Everything from a single source!

See also in the BGW catalogue, more models and sizes from our BGW anchor channels and built-in parts.

<https://www.bgw-bohr.de>

BGW Built-in Parts for Elevator Builders

11/21 (11/21)



Anti-rotation device for rope loops

03/24(03/24)

Installation of the anti-rotation device for rope loops in elevator construction:

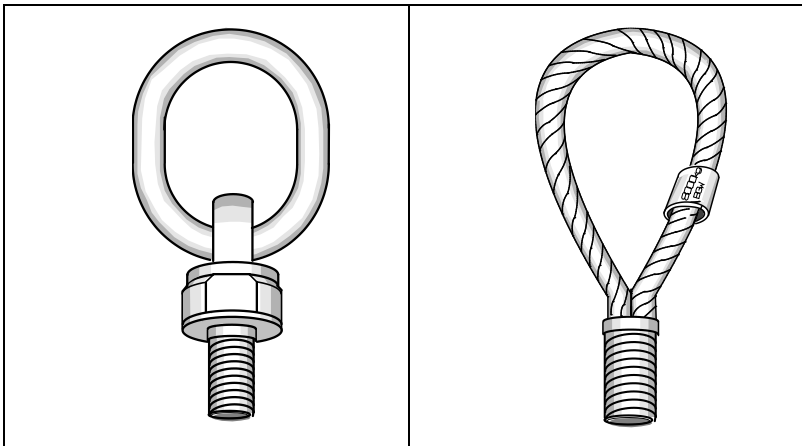
The rope loops are screwed into the threaded anchors built into the shaft head to hold loads. In order to prevent the rope loops from twisting out automatically during operation, the anti-rotation device is mounted to secure the position. The rope loop must be completely screwed into the threaded anchor embedded in concrete in the shaft head. By slightly turning the rope loop back by up to 90°, it is brought into the correct working position. The rope eyelet, the rope eye of the rope loop, is guided through the longitudinal groove of the anti-rotation device to ensure secure fixation. The anti-rotation device is permanently fixed in the working position by securing it with two Ø 8mm dowels through the two Ø 10mm holes in the anti-rotation device.

Kind. No.	Boring fuse	LengthxWidth	Hole-distance	Hole Ø	Rope groove L x W	Bow Height	Packaging Unit	Weight Medical history	Price Piece
0518-16	M16/RD16	210 x 50mm	155mm	10mm	80 x 12mm	45mm	50 pieces	0,245	10,50€
0518-20	M20/RD20	210x50mm	155mm	10mm	80x12mm	45mm	50 pieces	0,245	10,50€



Installation instructions for BGW anchor with data head

05/03(03/14)



Stop swivel for oblique and transverse pull.
Grease the threaded part well.

Rope loop for inclined pull up to 45°. Twist the rope loop down to the bottom of the sleeve. Grease the threaded part well.

The connection to the formwork is made by means of screws or plastic retaining washers.

Sealing plugs must be used to prevent contamination of the threads. The load tables are based on two concrete cube compressive strengths: 15 N/mm² and 25 N/mm².

For the young concrete with 15 N/mm², the transverse tension brackets according to the table are required for the transverse tension.

For the already hardened concrete with a compressive strength of at least 25 N/mm², permissible load-bearing capacities with and without inclined pull brackets are specified for the oblique tensile values.

Transport anchors are to be used in accordance with the safety rules of the German Employers' Liability Insurance Association, Technical Committee for Construction.

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 inclined and transverse pulling.

Before installation in the concrete part, a visual inspection of the anchor must be carried out and checked whether:

- (a) the thread is in working order;
- (b) the transverse 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 (bent by oblique pull, etc.)

BGW Rope Loops Goliath Oblique Pull Table

Thread M/Rd	Loading step t	Axial tension 0° t	Oblique pull up to 45° without oblique pull bar t	Oblique pull up to 90° without oblique pull bar 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
52	12,5	12,5	6,60	3,300

The values always refer to the corresponding transport anchor system for precast concrete elements depending on the built-in transport anchor.



Additional reinforcement for transverse and oblique pull

05/03(04/10)

Static Verification of Oblique Tensile Reinforcement for *BGW* Twin Shaft Anchors

1. Basics

Basis of calculation:

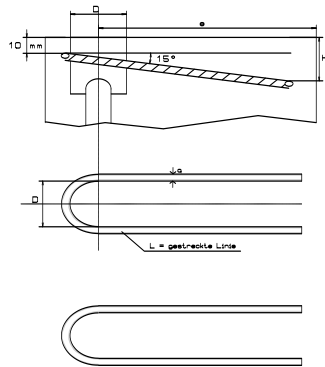
DIN 0145-1 Reinforced concrete construction
BGR 106 Safety rules for transport anchors of precast concrete elements

Material: Reinforcing steel BST 500/550
Concrete C12/15

System: The twin-shaft anchors are used as an anchoring element with internal thread in load-bearing precast concrete elements made of C12/15. The installation is orthogonal to the concrete surface.

Twin shaft anchors can be loaded with centric tensile loads, oblique tensile and transverse tensile loads.

In the case of oblique tensile stress ($\beta[45^\circ]$), reinforcement loops inclined by 15° to the surface are to be installed according to the sketch.



Additional reinforcement for transverse and oblique pull

Static Verification of Oblique Tensile Reinforcement for *BGW* Twin Shaft Anchors

Variables:

Ace Cross-sectional area of oblique tensile reinforcement (2 legs)
Ba Width of the recess body
dbr, D Diameter of the twin shaft anchor eye
DS, Q Diameter of oblique tensile reinforcement
H Edge spacing of the oblique tensile reinforcement at the end of the loop
Lb Composite length of the reinforcement leg
Ls Length of a reinforcement leg
l Total length of oblique tensile reinforcement (unfolding)
fb,k Characteristic value of compound voltage
fb,zul Value of permissible compound voltage
fctk,0.05 Characteristic value of concrete tensile strength
Fsk Characteristic value of yield strength of reinforcing steel
fs,zul Value of permissible reinforcing steel tension
 β Angle of oblique tensile force to vertical (anchor axis)
 γ Global safety factor
S Permissible oblique tensile force ($\beta[45^\circ]$)
ZS Force in the direction of oblique tensile reinforcement

Security:

On the basis of BGR 106, the global safety concept is applied, which provides for a global safety margin between the characteristic material characteristics 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 anchorage, the global safety coefficient = $\gamma 250$

Additional reinforcements for transverse and oblique pull 04/10(04/10)

Material parameters:

The load-bearing safety verification is based on the following permissible material parameters:
Permissible reinforcing steel tension for reinforcing steel BSt 500:

$$f_{s,permiss} = f_{yk}/\gamma = 500/2,5 = 200 \text{ N/mm}^2$$

Permissible composite tension for concrete C12/15:

$$f_{b,zul} = f_{Bk}/\gamma = 2.25 \cdot f_{ctk,0.05}/2.5 = 2.25 + 1.1/2.5 = 0.99 \text{ N/mm}^2$$

2. Anchor forces

In the following, the maximum horizontal force components ZS, for which the oblique tensile reinforcement is designed, are calculated from the permissible oblique tensile loads of the individual anchor sizes, assuming the greatest oblique tensile suitability ($\beta=45^\circ$):

$$ZS = \text{permissible } S \cdot \sin 45^\circ$$

The steel tensile forces are:

Anchor	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 oblique pull

Static Verification of Oblique Tensile Reinforcement for BGW Twin Shaft Anchors

3. Proof of load-bearing capacity

Load-bearing capacity of the steel cross-section

The load-bearing capacity of both legs of the reinforcement loop is:

$$\text{permissible } Z_s = AS \cdot f_{s,zul} = 2d_s^2 \cdot f_{s,zul} \cdot \pi \text{ with } f_{s,zul} = 200 \text{ N/mm}^2$$

In the table, the load-bearing capacities of the selected reinforcement (diameter d_s) are compared with the load and a degree of utilization η is given:

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 reinforcements for transverse and oblique pull

04/10(04/10)

Composite Load Capacity

The chosen reinforcement is to be anchored in the concrete for the maximum load ZS. The anchor length l_b starts at the end of the recess body.

The required anchor length l_b of the reinforcement legs is:

$$\text{erf } l_b = ZS / (f_{tb, \text{permissible}} \cdot 2 \cdot d \cdot S^*) \text{ with } f_{tb, \text{permissible}} = 0.99 \text{ N/mm}^2$$

Anchor	ZS Kn	Ds Mm	erf l_b 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 oblique pull

Static Verification of Oblique Tensile Reinforcement for *BGW* Twin Shaft Anchors

4. Oblique tensile reinforcement

The required total length l of the oblique tensile reinforcement (unfolding) consists of the double anchorage length l_b and the bar length to be routed around the twin shaft anchor:

$$l = 2 \text{erf } l_b + \pi \cdot d_{br}$$

The leg length l_s is as follows:

$$l_s = \text{erf } l_b + d_{br} / 2$$

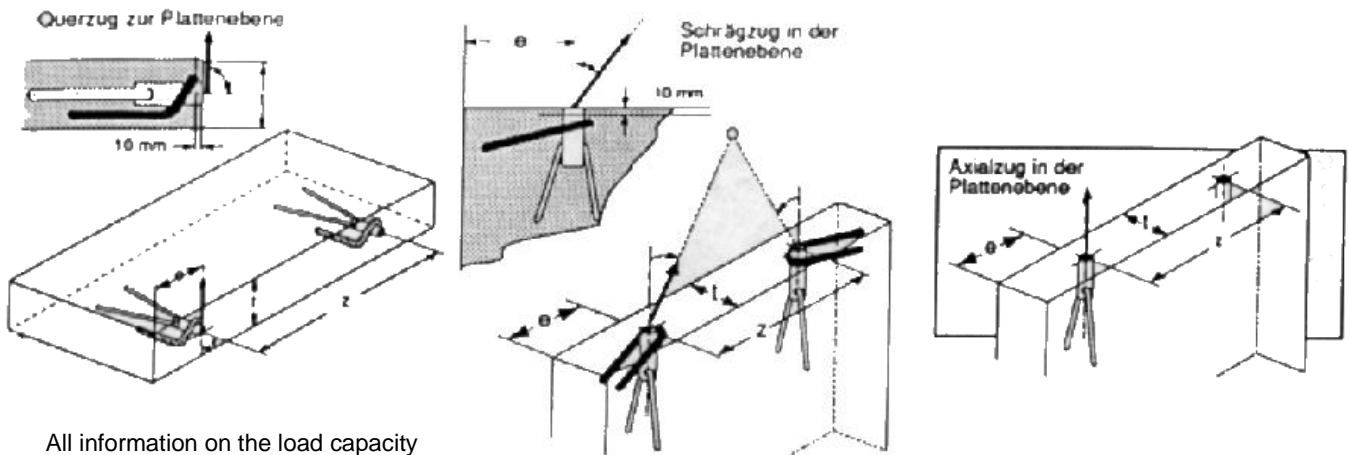
The height H to the top of the concrete at the end of the reinforcement loop is calculated as follows:

$$H = 10 + l_s \cdot \sin 15^\circ \text{ (mm)}$$

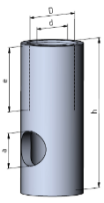
Anchor	Ds Mm	dbr Mm	l Mm	l _s Mm	H Mm
Rd12	6	16,5	250	110	38
Rd14	6	20	370	170	54
RD16	8	22	420	190	59
Rd18	8	25	540	240	72
Rd20	8	27,7	660	300	88
RD24	10	31	670	300	88
RD30	12	41	890	400	114
Rd36	14	48	1180	540	150
Rd42	16	54	1310	600	165
Rd52	20	70	1650	750	204

Installation instructions for BGW transverse hole sleeves and Transport anchor

10/18(10/18)

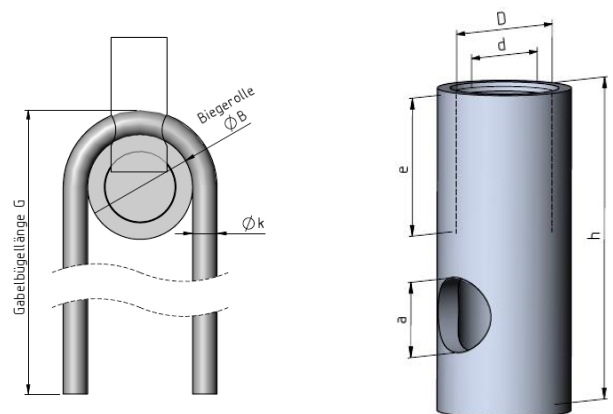


All information on the load capacity is only valid with the fork bracket made of reinforcing steel inserted by the customer (see table)

Permissible load in kg (1 kg = 10 N; 1000 kg = 1 t = 10 kN)											
	> 15 N/mm ² Concrete Cube Compressive Strength					> 25 N/mm ² Concrete Cube Compressive Strength					Z
	Minimum flat tyre thickness t/cm	Minimum edge distance e/cm	Axial-train medical history	Transverse pull with Drawbar medical history	Minimum flat tyre thickness t/cm	Minimum edge distance e/cm	Axial-train medical history	Oblique pull up to 45° without using Oblique pull bracket kg kg	kg	kg	
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 transverse hole sleeves and transport anchors

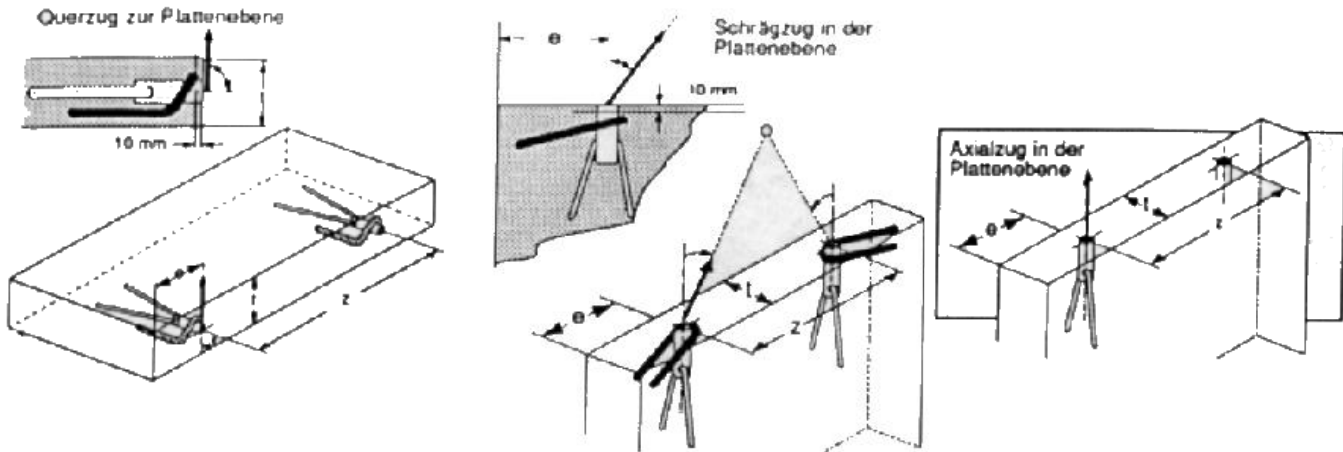
allowable Axial Load	Dimensions for the fork brackets made of ribbed concrete steel BS 500 S		
	k	G	B
d x h			
Rd12 x 40 500	6	300	60
Rd14 x 48 800	8	300	70
Rd16 x 54 1200	10	350	70
Rd18 x 65 1600	10	350	70
Rd20 x 70 2000	12	400	80
Rd24 x 80 2500	14	450	100
Rd30 x 101 4000	16	600	130
RD36 x 125 6300	20	600	150
Rd42 x 140 8000	25	650	200
Rd52 x 170 12500	25	900	300



The values are only valid in conjunction with the fork brackets in the adjacent table.

Installation instructions for DWL, DWK

04/13(06/15)

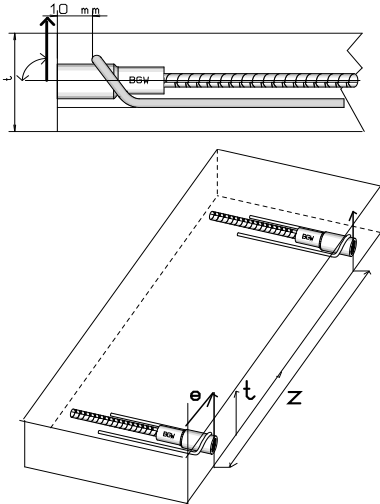


Permissible load in kg (1 kg = 10 N, 1000 kg = 1 t = 10 kN) > 15 N/mm ² concrete cube compressive strength								
Type	Length	Form	Axial/ Oblique pull	Cross pull with Transverse pull bracket	Z	Minimum Plate Thickness	Minimum- Edge spacing	Remarks
Rd	Mm		medical history	medical history	Cm	t/cm	e/cm	
12	108		500 / 250	----	30	6	16	For additional reinforcements for transverse and oblique pulling, see table "Installation instructions for anchors with data header". Oblique pull 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		500 / 500	250	30	6	16	For additional reinforcements for transverse and oblique pulling, see table "Installation instructions for anchors with data header". Oblique pull is defined as an oblique pull 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	

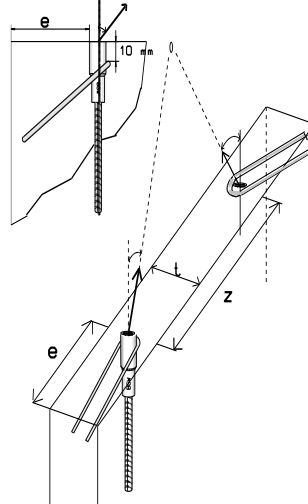
Installation instructions for rod, ribbed foot and screw anchors

04/13(06/15)

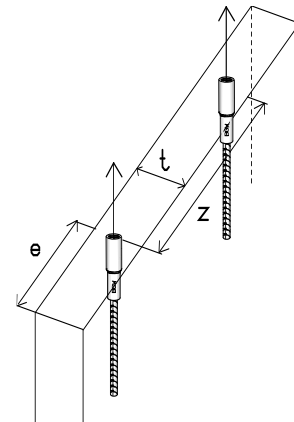
Transverse pull to the slab plane



Inclined tension in the slab plane



Axial tension in of the plate plane



Permissible load in kg (1 kg = 10 N, 1000 kg = 1 t = 10 kN)
> 15 N/mm² concrete cube compressive strength

Type	Length	Form	Axial/ Oblique pull	Cross pull with Transverse pull bracket	Z	Minimum Plate Thickness	Minimum- Edge spacing	Remarks
Rd	Mm		medical history	medical history	Cm	t/cm	e/cm	
12	100		500	250	30	6	15	For additional reinforcements for transverse and oblique pulling, see table "Installation instructions for anchors with data header". Oblique pull is defined as 0 – 45°
12	174		500	250	40	6	20	
14	105		800	400				
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		500	250	30	6	16	For additional reinforcements for transverse and oblique pulling, see table "Installation instructions for anchors with data header". Oblique pull is defined as an oblique pull 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	

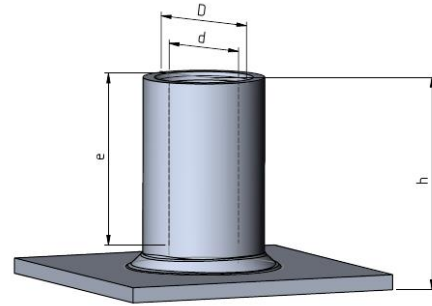
Screw anchor

12	70		500	250	30	6	16	For additional reinforcements for transverse and oblique pulling, see table "Installation instructions for anchors with data header". Oblique pull is defined as an oblique pull 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	

Installation instructions for BGW flat steel anchors

06/06 (06/15)

BGW flat steel anchors are particularly suitable as transport anchors for thin plates and pipes. The welded-on flat steel and a correspondingly placed tensile reinforcement ensure a safe transmission of force into the component



Art.-No.	Load level t	Type d x h	Flat steel mm	e mm	D mm	P/E 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	35 x 35 x 3	27	21	100	9,0
0356	1,6	Rd18 x 44	60 x 60 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	60 x 60 x 5	43	32	50	33,0
0362	4,0	Rd30 x 72	130 x 130 x 8	56	38	25	67,0
0364	6,3	Rd36 x 80	130 x 130 x 8	69	48	10	107,
0366	8,0	Rd42 x 98	130 x 130 x 8	80	54	10	147,0
0368	12,5	Rd52 x 120	130 x 130 x 8	97	70	10	254,0

(Note: 10 kN = 10 kilonewton \approx weight force of a mass of 1 t)

permissible F_z : Permissible force at centric pull

permissible F_Q : Permissible force for transverse pull

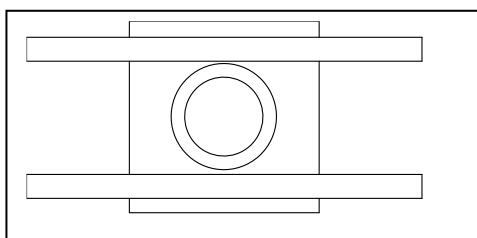
1. Reinforcement

BGW flat steel anchors are designed for use at a minimum concrete compressive strength of 15N/mm² at the time of the first lift. In order to apply the load, it is necessary to install a backdrop reinforcement as well as a surface reinforcement. The surface reinforcement is shown in Table 1. Other forms of reinforcement, such as reinforcing bars, with comparable cross-sections can also be used.

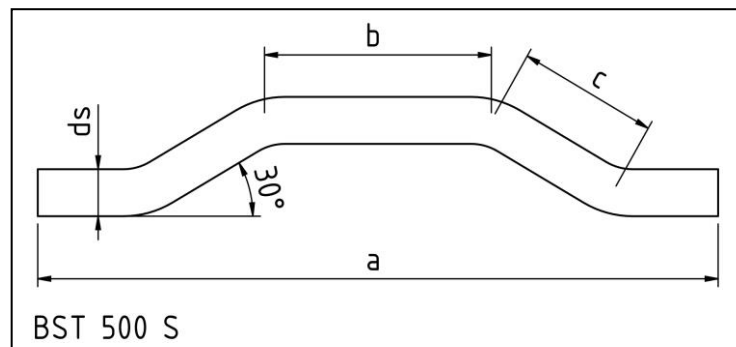
Table 1 – Surface Reinforcement (BSt 500M)

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 backdrop reinforcement and its arrangement are shown in Table 2, Fig. 1 and Fig. 2. The Suspension reinforcement is placed over the flat steel and fixed there. On direct contact Reinforcement flat steel must be respected. From size Rd24 in pairs crossed installation.



Picture 1



Picture 2

Installation Instructions for BGW Flat Steel Anchors

06/06 (06/15)

Table 2 – Suspension reinforcement for flat steel anchors

Size	Load capacity t	Ab. F _z /FQ kN	Number of 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 crossed, analogous to Fig. 8

2. Edge spacing, minimum spacing, minimum component thickness

In order to be able to guarantee the local load transfer into the concrete, certain distances between the anchors and from the edge must be maintained. Also, the component thickness must not fall below a certain minimum for corrosion protection reasons. The minimum values applicable to each anchor are shown in Table 3. See also picture 3!

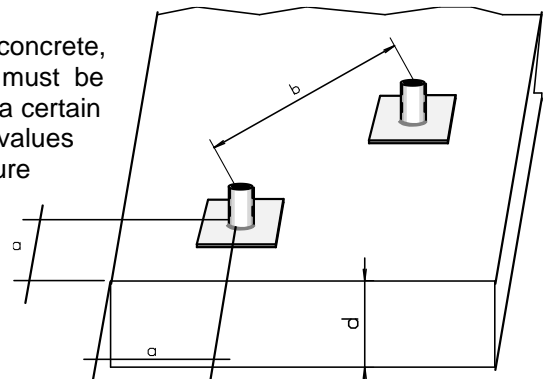


Fig. 3

Table 3 – Minimum dimensions

Size	Zulm F _z /FQ kN	Edge spacing a cm	Minimum distance w 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 on the basis of the conditions of use for the component in accordance with DIN 1045 Table 10, Line 1 and Section 13.2. In other operating and environmental conditions, the concrete cover c must be increased in accordance with Section 13.2 of DIN 1045 and thus the component thickness must be increased (Fig. 4).

Even when recessed with a BGW recess plate or with the BGW magnetic fixation, increase the minimum component thickness by the size of the indentation.

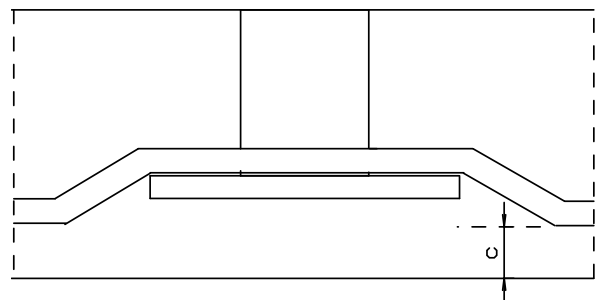


Fig. 4

Installation Instructions for BGW Flat Steel Anchors

06/06 (06/15)

3. Oblique tensile reinforcement

Flat steel anchors are replaced by inclined Power attack as shown in Figure 5 burdened, the resulting horizontal forces are absorbed by the concrete component. Therefore, from an oblique tensile angle β of more than 12.5° , an oblique tensile reinforcement running vertically to the flat steel anchor must be arranged in accordance with Table 4 (Fig. 7).

Attention must be paid to good contact!

The oblique tensile reinforcement is contrary to the direction of the horizontal force component.

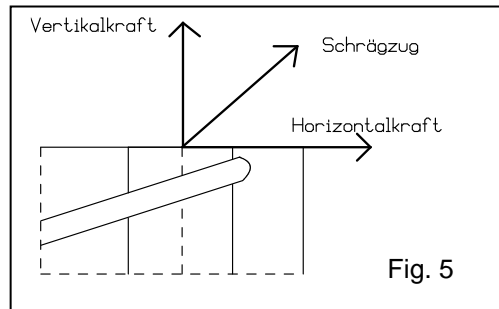


Fig. 5

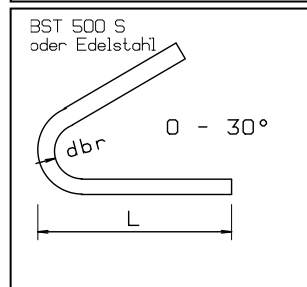


Fig. 7

Table 4 – Oblique tensile reinforcement (angle 12.5°)

Size	permissible F_z kN	d_s 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 according to DIN 1045 section 18.5.2 for B15, composite area I.

4. Transverse tensile stress

If the flat steel anchors are subjected to transverse tension, the forces that occur must be introduced into the component with suitable reinforcement. For this purpose, it is necessary to arrange the inclined tensile reinforcement (Table 4) and the backdrop reinforcement (Table 2) as shown in Figure 8.

It should be noted here that for sizes Rd12 to Rd20, the backdrop reinforcement (item 1) must be arranged in the direction of the force curve. For sizes Rd24 to Rd52, it is absolutely necessary to install crosswise inserted back-suspension reinforcement (pos. 1 and pos. 2) in order to be able to introduce the full load.

The other boundary conditions correspond to those for installation with centric tension.

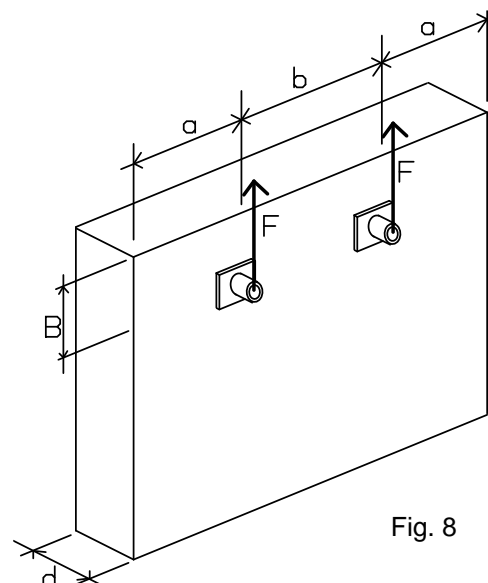


Fig. 8

Installation and Usage Instructions for BGW Ball Head Lifters

10/18 (10/18)

A manually operated coupling in various load stage designs that correspond to those of the BGW ball head transport anchors. The BGW ball-head lifter is coupled to a concrete-embedded BGW ball-head anchor of the corresponding load level. Even under load, any twisting, tilting and swivelling movement is possible and harmless. This enables safe and easy lifting of precast concrete elements of all kinds.

The BGW ball head lifter is part of the BGW transport anchor system and complies with the safety rules of the trade association "Safety rules for transport anchors and systems of precast concrete elements" (BGR 106).

When using the BGW ball head lifters, follow these installation and use instructions, the corresponding instructions for BGW transport anchors and the general installation and use instructions.

Load level t	No.	Weight medical history	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

1. Materials

The BGW ball head lifter is made of durable cast steel material. The claws incorporated into it are used to hold the anchor head. Due to the flexible design, the coupling link for hooks and shackles is suitable for all areas of application. The BGW ball head lifter is galvanized.

2. Use

The BGW ball-head lifter is used as a load handling device within the BGW transport anchor system. The coupling and uncoupling of the BGW lift-off head can be carried out manually by hand without any problems after unloading. It can be used for axial, helical and transverse pull load cases. The installation of products from the BGW ball head transport anchor system requires the use of BGW ball head recess body, which ensures the correct position of the anchor as well as easy and safe coupling of the BGW ball head lifter.

2.1 Hitching

The BGW ball-head lifter is placed on the transport anchor with the opening facing downwards (1.) and coupled by turning the lift-off head (2.) (see Fig. 2). However, the permissible load of the anchor must be taken into account.

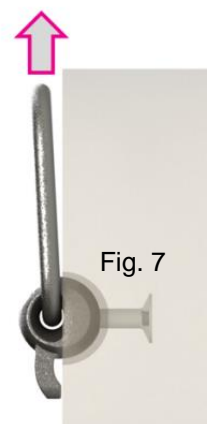
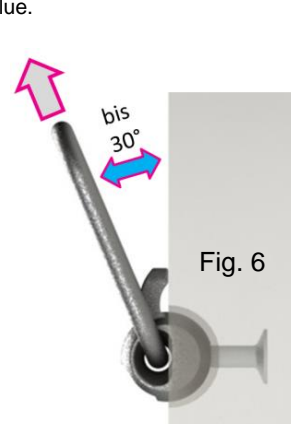
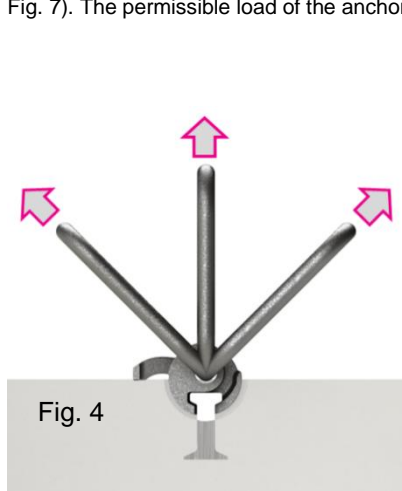
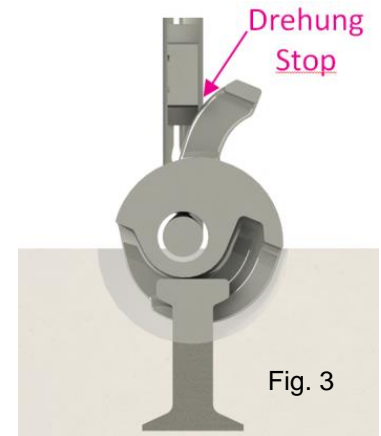
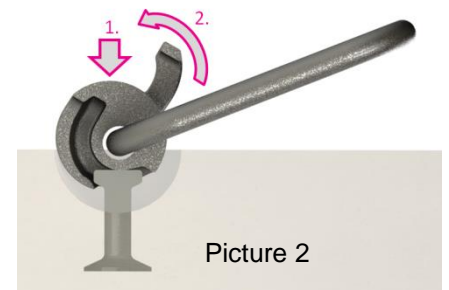
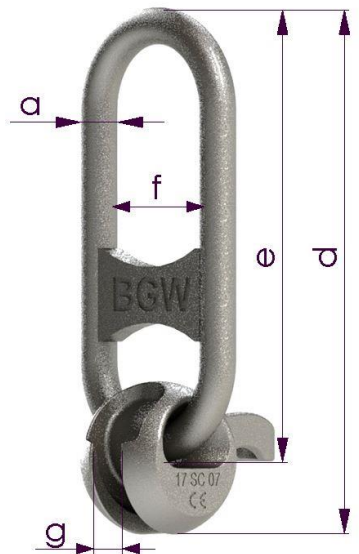
2.2 Lifting and Turning

The BGW ball-head lifter is designed in such a way that unintentional disconnection (even without loading with slings) is not possible. The oval link as a crossbar acts as a stop and stops uncontrolled uncoupling (see Fig. 3).

With the BGW ball head lifter, precast concrete elements can be lifted in all directions (axial, inclined and transverse pull). When lifting and turning components, special attention must be paid to the position of the insertion beak (operating lever). This must be horizontal and rest on the concrete (see Fig. 4). In the case of axial tension with two lifters, care must be taken to ensure that the component must hang steadily, it must not swing into the insertion opening of the lifters. In addition, care must be taken to ensure that the withdrawals do not open. Pulling to the side of the insertion opening is not permitted (see Fig. 5).

If the anchor is in a horizontal position when lifting, the following must be observed:

The insertion beak (control lever) points either in the direction of pull (see Fig. 6) or 180 degrees in the opposite direction to the direction of pull (see Fig. 7). The permissible load of the anchor shall not exceed 50% of the maximum value.



Installation and use instructions for BGW ball head lifters

10/18 (10/18)

2.3 Uncouple

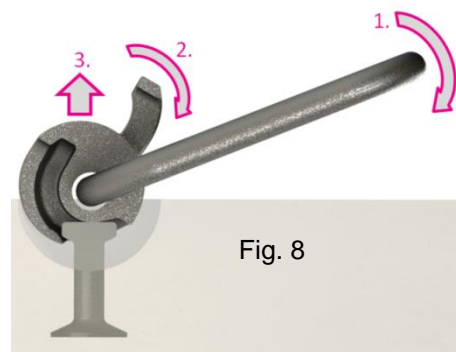
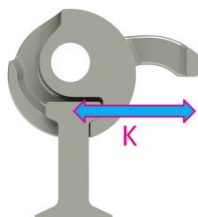
In order to disconnect the BGW ball head lifter, it must be relieved (1.), then the BGW ball head lifter must be uncoupled (3.) by turning the lifter head back (2.) (see Fig. 8).

3. Corrosion protection

The corrosion protection of the BGW ball head transport anchor can be achieved by recessed installation. The additional recess body must support the fully functional installation. The additional recess body must support the fully functional installation in accordance with these instructions for use and at least the dimensions of Table 2.

Table 2: Recessed installation dimensions

Loading step 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



4. Safety Notice/Maintenance

Even if there is virtually no wear and tear under normal conditions, the BGW ball head lifters should be checked by an expert at least once a year, in accordance with BGR 500 Chapter 2.8, as they are considered to be load handling devices. This check 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 and tear is particularly noteworthy.

As a matter of principle, the current accident prevention regulations must be observed. The correct hook size and shape must be taken into account, as this can extend the service life.

Modifications and repairs, in particular welds on the BGW ball head lifters, are not permitted! In the case of rope, it must be replaced as soon as a wire of a strand is broken, in case of crushing, corrosion scars or kinks. The use of the BGW ball head lifter with rope is only permitted with an original BGW rope.

If the BGW ball-head lifter is subjected to extraordinary loads (e.g. damage event), it must be subjected to an extraordinary inspection by an expert (BGR 500 Chapter 2.8 Section 3.15.3). The test is carried out according to the criteria listed below. The maturity of the BGW ball-head lifters is based on the provisions of BGR 500 Chapter 2.8 Section 3.15.4.

5. Maturity and testing service

Before the inspection, the BGW ball head lifter must be cleaned and the following must be observed, among other things:

- Cracks in ball and coupling link
- In the case of plastic deformations, the BGW ball head lifter is ready for discarding. Deformations such as bent chain link, pressure points due to slings, etc.
- If the permissible wear dimensions are exceeded or undercut, the product is also ready for discarding (see Table 3 and Figure)

The continued use of damaged or discarded load handling devices is not permitted!

Table 3: Wear Limits

If the limit dimensions given in the table are exceeded, the ball-head lifter in question may no longer be used, as well as in the case of indentations on the steel bracket.

Limit dimensions for BGW ball head lifter

Loading step	highest limit measure 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 ball head lifter with steel cable:

The following deficiencies should be examined:

- Kinks and Kinks (Klanks)
- Breakage of a strand
- Free-length bruises
- Corrosion scars
- Damage or severe wear of the rope or rope end connection

6. Marking

The BGW ball head lifters are marked with the following information: BGW marking, load level, CE marking.

Acids, alkalis and other aggressive agents that can cause corrosion should be kept away from BGW ball lifters. Modifications and repairs, in particular welds on the BGW ball head lifters, are not permitted!

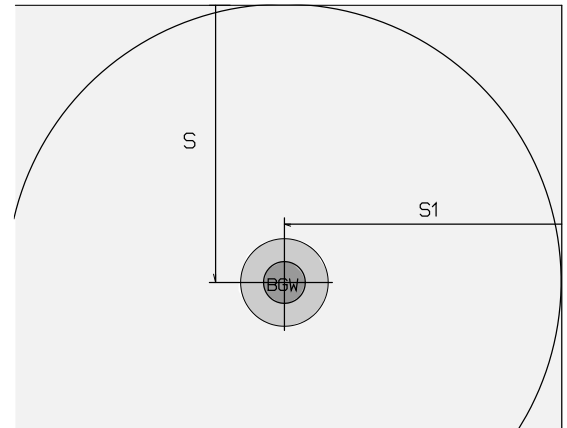
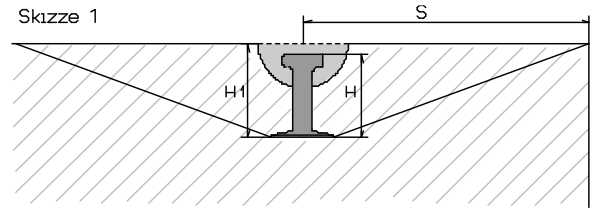
BGW ball-head lifters with visible deformations of the chain link must be put down - with rope: use only in perfect condition. Above all, it is important to pay attention to bends and indentations. Pay attention to limit dimensions!

Installation Instructions for BGW Capstan lifter (KKA)

08/13 (01/13)

Table 1 for permissible anchor loads when installing the **BGW** ball-head anchors according to diagram 1.

Loading step t	Length Mm	Permissible anchor load for concrete strength KN			
		15 N/mm ²	25 N/mm ²	35 N/mm ²	45 N/mm ²
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 2

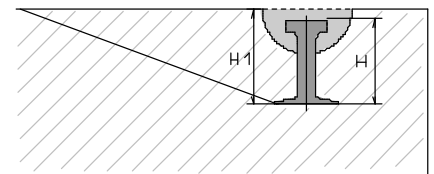
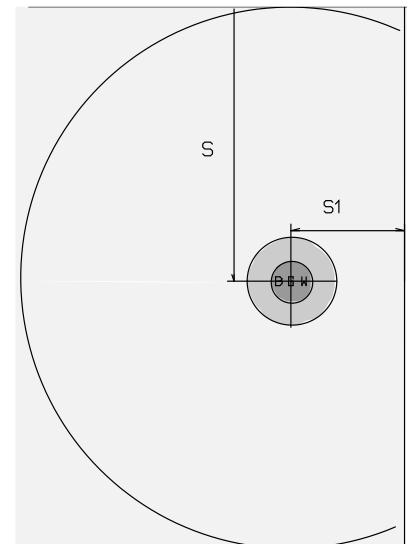


Table 2 Anchor loads for ball-head transport anchors with a low Distance to a precast edge (see sketch 2). the specified minimum distance "S1" should not be undercut.

Load level t	Length H Mm	Permissible anchor load for concrete strength KN		Minimum-Distance S1 To the component end Mm	H1 Mm	Edge spacing S (=H1 x 3) Mm
		15 N/mm ²	20 N/mm ²			
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	
20,0	1000	200,0	200,0	150	1015	1545



Installation Instructions for BGW Capstan lifter (KKA)

08/13 (01/13)

Design Guidelines for BGW Capstan lifter

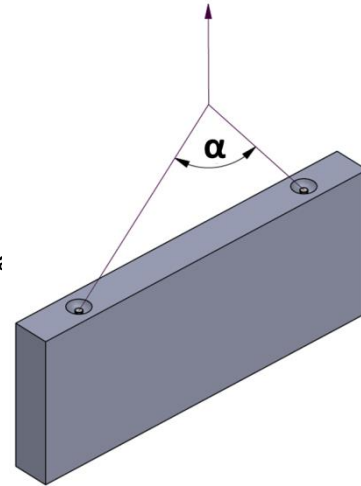
According to the following formula, the tensile force "F" acting on the transport anchor can be determined in almost all installation cases:

$$F = \frac{M * \beta * \varepsilon * \Phi}{n}$$

F = tensile force calculated according to the formula that occurs at the :

M = mass of the precast concrete element including steel insert

β = spreading angle factor



Angle α	0°	30°	60°	90°	120°
Spreading Angle Factor β	1	1,04	1,16	1,41	2,00

ε = impact factor during transport and assembly

Transport device	Cranes up to $v \leq 90$ m/min	Cranes up to $v \geq 90$ m/min	Transport by excavator
Impact factor ε	1,0	$\geq 1,3$	$\geq 2,0$

Φ = Adhesion factor to the formwork

The following additional forces must be expected:

- For smooth, non-oiled formwork 2 kN/m²
- For rough formwork 3 kN/m²

Adhesion factor to be used for:

	Adhesion factor Φ
π -Cover	≥ 2
Ribbed blankets	≥ 3
Cassette Plates	≥ 5

n = number of load-bearing anchors

In the case of axial tension with two lift-offs, care must be taken to that the component must hang steadily, it must not swing into the slot opening of the lifters. In addition, care must be taken to ensure that the withdrawals do not open.

BGW-RKS Ring Coupling Instructions for Use 05/19 (05/19)

A manually operated coupling in various load stage designs that correspond to those of the BGW expansion anchors.

The BGW ring coupling consists of a stop bar and a coupling head. The bracket can be moved in any direction. The BGW ring coupling is coupled to the recess of the corresponding load stage in the concrete. It can be released manually by pushing the bolt back by hand.

Prefabricated parts produced horizontally can thus be easily aligned from the horizontal to the vertical position - in compliance with the corresponding installation instructions for the BGW transport anchors. Even under load, every rotation, tilt and swivel movement possible and harmless. However, the permissible load of the anchors must be taken into account.

The BGW ring coupling enables safe and easy lifting of all types of precast concrete elements.

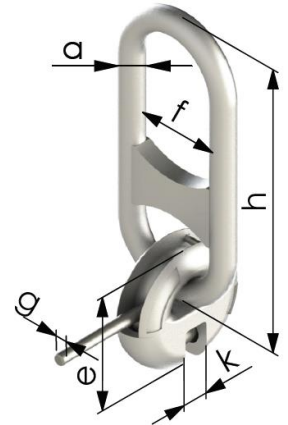


Table 1: BGW- RKS Ring Coupling with Chain Link

Load level t	No.	Weight medical history	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 1: BGW-RKS Ring Coupling with Rope

Load level t	No.	Weight medical history	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

The BGW ring couplings are marked with the following information: BGW marking, load level, CE marking, and the position of the latch is marked "Open - Close" on the opposite side.

The ring couplings are reliably assigned to the anchors without any risk of confusion, both in terms of the structural design and the marking of the anchor types and load groups.

2. Application

2.1 Clutching

Insert the BGW ring coupling into the recess in the concrete and remove the bolt or bolt. Close the slider by hand until it stops. It is necessary to ensure that the respective permissible load level of the anchor is not exceeded.

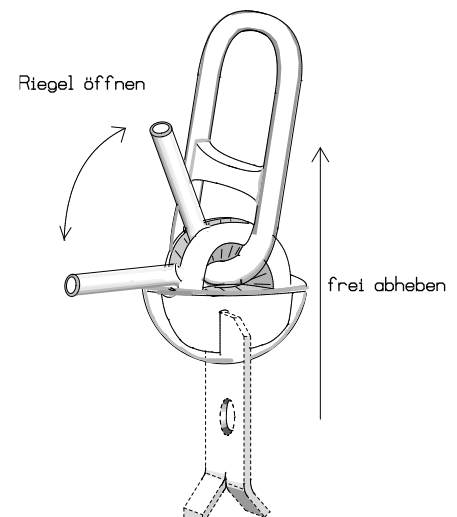
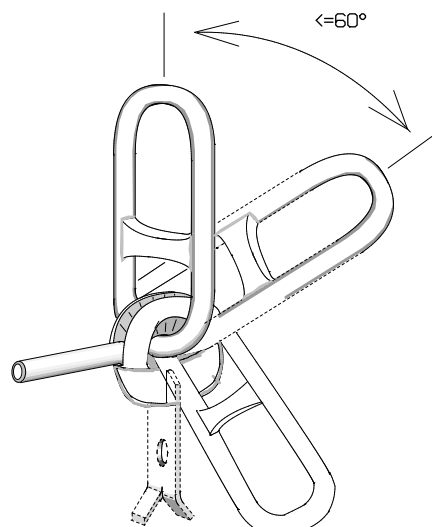
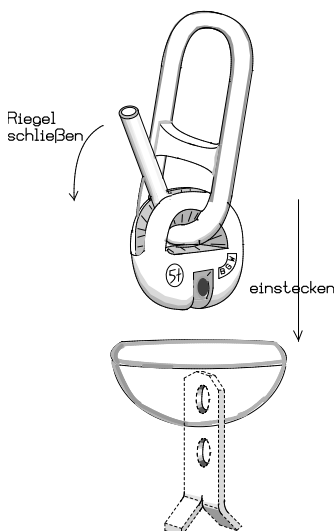
The precast concrete element can now be lifted.

2.2 Manipulate

The BGW ring coupling can be loaded in all directions (axial and transverse tension is possible – but please note the permissible load level of the anchors!). Inclined pull caused by rope spreading is permitted up to 60°.

2.3 Disengage

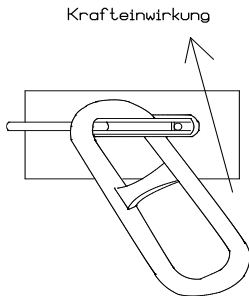
Manually push back and release the latch of the BGW ring coupling by hand.



BGW-RKS Ring Coupling Instructions for Use 05/19 (05/19)

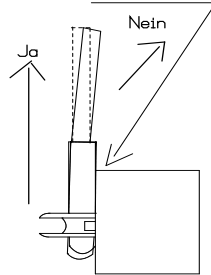
2.4 Incorrect use of the BGW ring couplina

If the bracket is under the clutch head when loading, it may lock in the position shown. When taking off, the round bar is then bent.



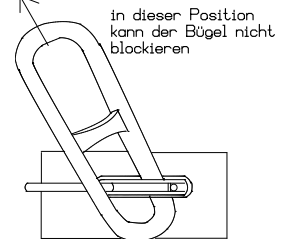
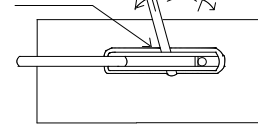
If the bracket is pulled in the direction of the plate surface during loading, it may bend at the edge of the plate.

Bügel biegt an dieser Stelle und beschädigt Anker oder Platte



In the upper position, the bracket in the clutch housing may lock. A shallow angle of the rope sling leads to the deformation of the shackle. The problem can be solved by rotating the bracket by about 45° (see picture below).

Bügel blockiert in dieser Position Zulässig



3. Maintenance/Safety

We expressly warn against combining our articles with parts from other manufacturers. The function and safety of the ring coupling can only be guaranteed by using the Original ring couplings.

Although there is virtually no wear and tear under normal conditions, the ring couplings should be checked by an expert at least once a year. In addition to damage of any kind, the degree of wear and tear is particularly noteworthy. The use of rope (e.g. ring coupling 1.25 tons) is only permitted with the original BGW rope.

If the limit dimensions given in the table are exceeded, the ring coupling in question may no longer be used, as well as in the case of notches on the steel bracket/rope and on the latch.

The following criteria must be observed when inspecting the BGW ring couplings:

Latch:

Deformed and worn latches must always be replaced.

Clutch head:

If the clutch head is deformed, the clutch must be removed and cannot be repaired. If the jaw opening is enlarged, the couplings must be removed immediately. Limit dimensions in Tables 1 and 2 must be observed.

BGW ring coupling with steel cable:

The following deficiencies should be examined:

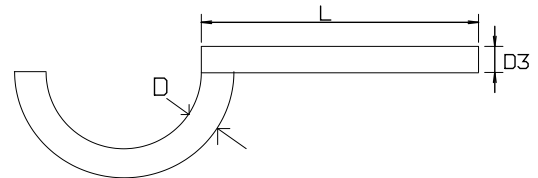
- Kinks and Kinks (Klanks)
- Breakage of a strand
- Free-length bruises
- Corrosion scars
- Damage or severe wear of the rope or rope end connection

Acids, alkalis and other aggressive agents that can cause corrosion must be kept away from BGW ring couplings. Modifications and repairs, in particular welds on the BGW ring couplings are not permitted!

BGW ring couplings with visible deformations of the chain link must be discarded. Above all, it is important to pay attention to bends and indentations. Pay attention to the limit dimensions in Table 2!

Table 2: Limit Dimensions for BGW Ring Couplings Latches

Loading step	Minimum dimension D mm
1.2 t	7
2.5 t	12
5.0 t	15,5
10.0 t	22,5
26.0 t	31



The following criteria must be observed when inspecting the BGW ring couplings:

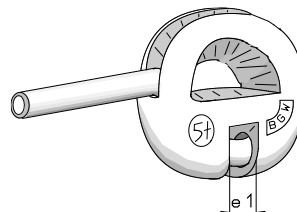
Latch:

Deformed and worn latches must always be replaced. Limit dimensions must be observed in accordance with Table 2.

Clutch head:

If the clutch head is deformed, the clutch must be removed and cannot be repaired. If the jaw opening is enlarged, the couplings must be removed immediately. 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



Terms and conditions of sale and delivery

10/05 (10/05)

1. General

- 1.1 Our terms and conditions of sale and delivery apply exclusively; We will only recognise any terms and conditions of the customer that conflict with or deviate from our terms and conditions of sale and delivery if we have agreed to their validity in writing. Our terms and conditions of sale and delivery shall also be valid if we carry out the delivery without reservation in the knowledge of conflicting and deviating conditions of the purchaser.
- 1.2 Verbal ancillary agreements are only effective if they have been confirmed by us in writing.
- 1.3 Our terms and conditions of sale and delivery apply only to merchants within the meaning of the 24 AGBG.
- 1.4 Our terms and conditions of sale and delivery also apply to all subsequent orders with the customer, even if no express agreement is made again.

2. Conclusion and content of the purchase contract

- 2.1 Our offers are always subject to change. Orders placed by the purchaser shall only be deemed to have been accepted once they have been confirmed by us in writing.
- 2.2 We expressly reserve the right to make changes to the dimensions and design of our products after the conclusion of the contract, as long as this does not impair the usability of the product according to the intended use – in particular the auxiliary load. If the change in dimensions and design does not impair the intended use, the customer is obliged to accept the modified products.

3. Prices and terms of payment

- 3.1 Unless otherwise stated in the order confirmation, VAT is not included in our prices. The prices are "ex works".
- 3.2 The deduction of cash discounts requires a special written agreement.
- 3.3 Unless otherwise stated in the order confirmation, payments must be made net within 30 days of the invoice date. If the payment deadline is exceeded, we are entitled to demand default interest in the amount of 8% above the base interest rate. The assertion of a higher damage caused by default remains unaffected by this.
- 3.4 The set-off against counterclaims of the purchaser is only permissible if these are undisputed or legally established. The purchaser is only entitled to exercise a right of retention to the extent that the counterclaim arises from the same contractual relationship.

4. Delivery Dates – Delivery Deadlines

- 4.1 Deadlines and dates of deliveries are only binding if they have been expressly confirmed in writing by the supplier.
- 4.2 If the Purchaser sets the Supplier a reasonable grace period with the threat of rejection after the Supplier has been in default of delivery and this period has elapsed without notice, the Purchaser shall be entitled to withdraw from the contract to the extent that delivery has not yet taken place.
- 4.3 The Purchaser shall only be entitled to claims for damages due to non-performance if the delay is due 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 customer are eligible for compensation; otherwise, liability for damages is limited to 50% of the damage incurred.
- 4.4 The above limitation of liability does not apply if a commercial fixed transaction has been agreed or if the customer can assert that his interest in the performance of the contract has ceased to exist due to the delay for which we are responsible.

5. Risk

- 5.1 In the absence of any other information in the order confirmation, delivery "ex works" is agreed.
- 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 on the part of the purchaser presuppose that the customer has duly complied with his duties of investigation and notification pursuant to 377, 378 of the German Commercial Code (HGB).
- 6.2 If the warranty claim is given, we are entitled to replace or repair at our option.
- 6.3 If the Supplier allows a reasonable grace period to be set for him by the Purchaser to elapse for reasons for which he 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 Purchaser may, at his option, withdraw from the contract or demand a corresponding reduction in the purchase price.
- 6.4 Unless otherwise stated below, further claims on the part of the purchaser – regardless of the legal grounds – are excluded. The Supplier is therefore not liable for damages that have not occurred in the delivery item itself; in particular, we shall not be liable for any loss or other financial loss suffered by the purchaser.
- 6.5 The above exemption from liability does not apply if the cause of the damage is based on intent or gross negligence. It also does not apply if the purchaser asserts claims for damages due to non-performance due to the lack of an assured property pursuant to 463,480 para. 2 BGB.
- 6.6 In the event of a negligent breach of an essential contractual obligation, our obligation to pay compensation – insurance is limited. At the request of the customer, the supplier is prepared to inspect 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 damages, insofar as no claims are asserted in tort.

7. Claims

- 7.1 Regardless of the legal grounds, claims for damages by the Purchaser against the Supplier beyond the scope of liability set out in 6.4 to 6.6 are excluded. An exclusion or delimitation of liability for the Supplier shall also always 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 for which we are responsible or from initial inability.

8. Ownership

- 8.1 Goods delivered by us remain our property until all liabilities of the customer from the business relationship with us have been completely repaid.
- 8.2 If goods are taken back by us, this shall only be deemed to be a withdrawal from the contract if we expressly confirm this in writing, in the event of the inapplicability of the Consumer Credit Act. For us, however, the seizure of goods always means withdrawal from the contract.
- 8.3 We must be informed immediately in writing of seizures and other threats to our rights posed by third parties with all the information we need for an action for intervention pursuant to Section 771 of the Code of Civil Procedure. Insofar as we suffer a loss because a third party is unable to provide the judicial and extrajudicial costs of a lawsuit pursuant to § 771 of the Code of Civil Procedure, the customer is liable.
- 8.4 The goods may be revocably processed or resold. In the event of further processing or transformation of the purchased item, the supplier shall be deemed to be the manufacturer and shall acquire ownership of the intermediate and final products. If the purchased item is processed with other items that do not belong to us, we acquire co-ownership of the new item in the ratio of the final invoice amount of our goods subject to retention of title to the purchase price of the other processed goods (at the time of processing). Incidentally, the regulations on goods subject to retention of title apply accordingly to the new item. In the case of inseparable mixing of our reserved goods with other items, we are 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 purchaser shall hold the sole or joint ownership for us.
- 8.5 The purchaser is entitled to resell our goods subject to retention of title in the ordinary course of business. The purchaser hereby assigns all claims against third parties arising therefrom to us in advance, in the amount of the respective final invoice amount (including VAT). Notwithstanding this assignment, the Purchaser shall continue to be entitled to collect the receivables. Upon request, the purchaser shall inform us of the assigned receivables together with their debtors and provide us with all the information and documents required for debt collection. At our special request, the purchaser shall notify the relevant third-party debtors of the assignment to us.
- 8.6 The above assignment for the security of our receivables also includes such receivables which the purchaser acquires against a third party as a result of a connection of our goods subject to retention of title with real estate. The assignment provision also applies to processed, transformed and mixed goods subject to retention of title.
- 8.7 At the request of the purchaser, we undertake to release collateral that he has made available to us in accordance with this contract, insofar as they are no longer required to secure our claims, not only temporarily, but in particular insofar as they exceed the value of our receivables 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 arising from the contractual relationship is, at our option, our registered office or the place of performance, insofar as the purchaser is a registered merchant, a legal entity under public law or a special fund under public law.