



BAUPOWERGROUP
KRAFT AM BAU

***Civil engineering - deblin-
ding systems for safety
trenches and excavations***

The civil engineering of Bau Power Group, innovative, versatile, and safe..

Rental

Rental-sale

Sale

Bau Power Group -

Your strong partner in

construction technology



At Bau Power Group, customers receive complete solutions from a single source, because our strength lies in the sale and rental of construction equipment, ground protection, civil engineering technology, and exhaust gas aftertreatment.

Customer-oriented service and fair offers make Bau Power Group a reliable and competent partner in construction technology.

The Bau Power Group has its origins in Power4Rent, founded in 2010, a company for renting Atlas Copco products. Over these more than 10 years, our company has continuously developed and grown. In 2014, the business area Power4Sale, dealing in construction equipment, was added, which simultaneously led to the renaming to Bau Power Group. Since then, locations in Hohenems and Baden near Vienna as well as Kloten near Zurich have been added to the headquarters in Altstätten / SG. Since 2018, we have been active in the United Arab Emirates as a partner and manufacturer with Bau Power Middle East. Since 2022, we have been sales partners for RID generators, Tibatek construction equipment, and in 2023, we expanded our Fods and GroundGuards range. With RAMAT Sàrl, we have also been represented in the French-speaking part of Switzerland since 2022.

Construction equipment

A comprehensive range of equipment for construction-accompanying work, from diamond cutting tools to generators and conveyor belts. Supplementary equipment that is indispensable for construction.

Soil protection

Ground protection from BPG is available in a wide variety of designs, thicknesses, and with different load capacities from 5 t to over 415 t – optimal for small construction sites, large infrastructure projects, or events.

Civil engineering

With the trench shoring system, you create trenches and excavation pits as deep and wide as desired, with the greatest safety for employees and the construction site. We accompany you from planning through training to the shoring material.

Exhaust aftertreatment - particulate filter

Sustainable cleaning for passenger cars, commercial vehicles, and construction machinery.

At Bau Power Group, you benefit from the highest service quality, which is why it is worthwhile to have your construction equipment regularly serviced with us. Important to know! Bau Power Group always offers you equipment, floor slabs, or shoring elements for rent, rent-to-own, or purchase. So that you are always ready for action and have enough material available.



Your center of expertise

for the shielding

Construction contractors concerned with prices who are looking for safety in civil engineering in Switzerland and Austria are in the right place at Bau Power Group. As the general importer of TWF trench and excavation shoring systems, Bau Power Group's extensive expertise allows it to offer you at any time the civil engineering product you need, from the light box to the double slide or to sheet piles with box elements.

Advice is essential – We provide our clients with the equipment they need, when and where they need it. And all this on very advantageous terms. In addition, the client has the choice between three options: rental, rent-to-own, and purchase. An analysis of your needs conducted during a consulting interview will help determine the most appropriate and economical form for your project.

Bau Power Group also offers unbeatable service in the field of trench and excavation shielding:

- Different system variants for small and large excavations
- Calculation of equipment needs and provision of preparation documents
- CAD plans for the submission phases
- Technical support for special solutions
- Site visits and assistance with logistics coordination
- Maintenance of struts and repair of panels after each use
- Checking for missing items after each mission
- Training

Shielding systems save lives while allowing savings of time and money.
Call us, we will be happy to talk to you about our excavation shielding systems.

Large stock - quick availability!

To be picked up or delivered to the construction site!

Summary

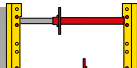
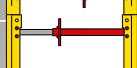
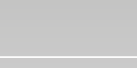
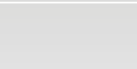
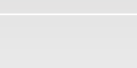
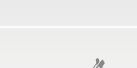
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Bau Power Group

Shielding Systems

Preliminary excavation

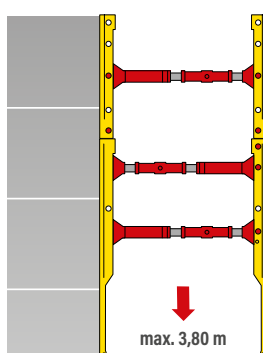
**Type 100
Light shoring**

1 m	
2 m	
3 m	
4 m	
5 m	
6 m	
7 m	
8 m	
9 m	
10 m	

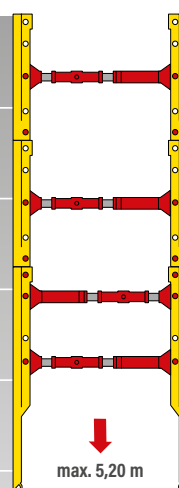
9 - 13 t

Havage

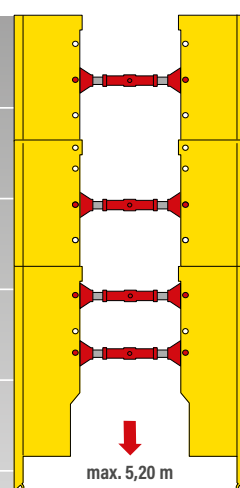
**Type 300
Lightbox**



**Type 600
Standard box**



**Type 600
Inspection
chamber box**



Base box 12 - 18 t

with raised box
18 - 30 t



Base box 12 - 18 t

with raised box
18 - 30 t



18 - 30 t

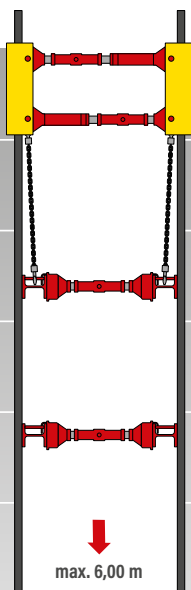
Rental

Rental-sale

Sale



● **Type 400
Palisade box**

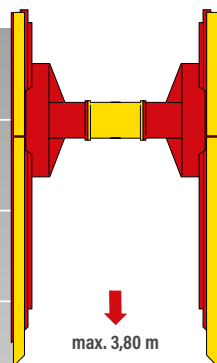


max. 6,00 m



9 - 13 t

**Glissière
simple**

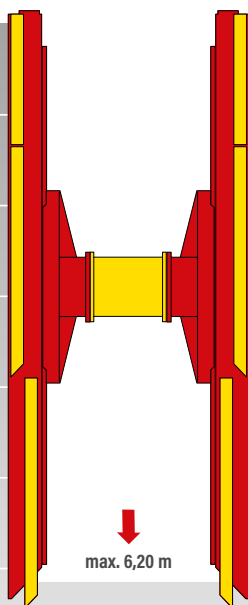


max. 3,80 m



18 - 30 t

Single Rail

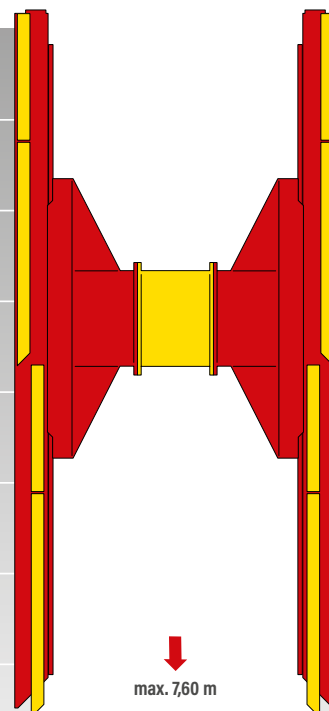


max. 6,20 m



24 - 31 t

Double slide XL



max. 7,60 m

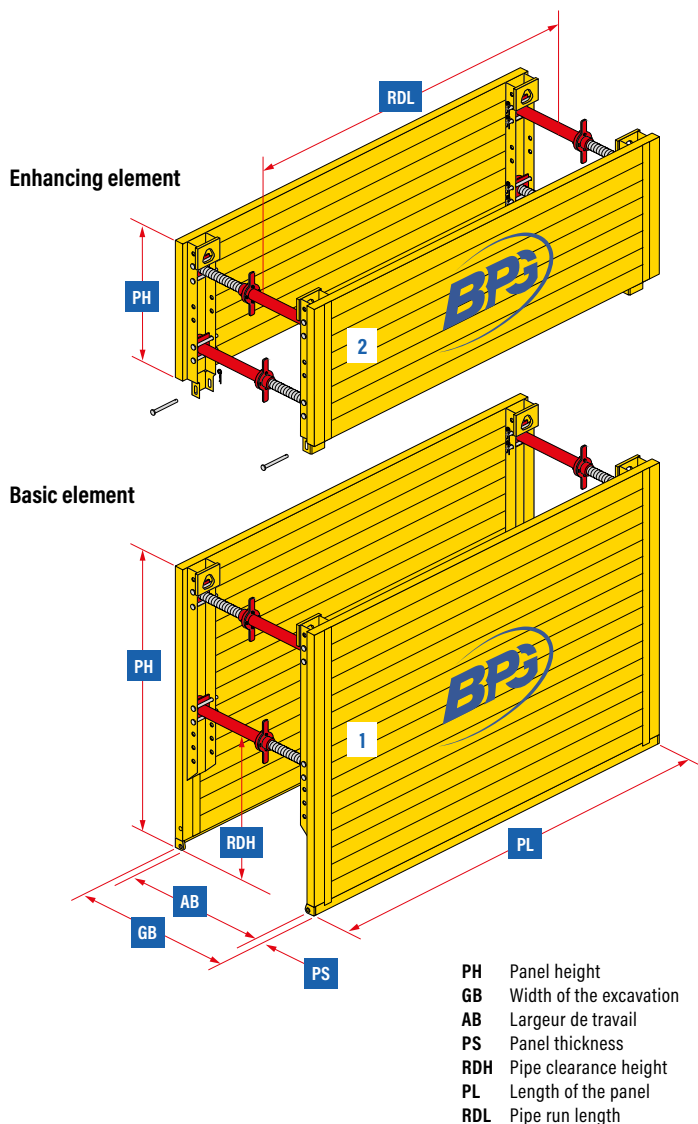


up to 6.2 m 24 - 31 t

for prof. from 6.2 m
30 - 50 t

Light shoring Type 100

- Small to medium-sized construction sites. (supply pipes, building connections, etc.)
- Installation in a preliminary excavation for stable ground.
- Wheel loader: 9 - 13 t
- Maximum depth: 3.00 m
- Width of the excavation: 0.66 - 3.34 m
- Pipe clearance height: 0.94 m



Angle elements Type 100

Safe stabilization system for corners. The corner element is perfect for the expansion loops of district heating projects..



Rental
Rental-sale
Sale

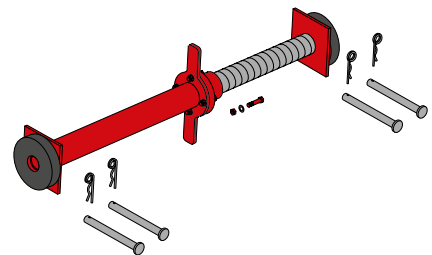

Light shoring Type 100

Element	Panel length PL (m)	Panel height PH (m)	Panel thickness PS (mm)	RDL pipe run length (m)	RDH pipe clearance height (m)	System strength charac. Rk(kN/m2)	Weight per box with B spreader (kg/box)
1	2,00	1,60 / 2,00 / 2,40 / 2,60	60	1,60	0,94*	47,8	570 / 674 / 766 / 812
2		0,60 / 1,00					313 / 473
1	2,50	1,60 / 2,00 / 2,40 / 2,60	60	2,10	0,94*	38,3	634 / 774 / 914 / 984
2		0,60 / 1,00					373 / 505
1	3,00	1,60 / 2,00 / 2,40 / 2,60	60	2,60	0,94*	31,9	736 / 904 / 1068 / 1150
2		0,60 / 1,00					432 / 536
1	3,50	1,60 / 2,00 / 2,40 / 2,60	60	3,10	0,94*	27,3	830 / 1040 / 1200 / 1280
2		0,60 / 1,00					492 / 589

* PH : 1,60 m / 2,00 m

Light guy

Type	Working width AB (m)		Width of the excavation GB (m)		Allowable thrust (kN)	Weight (kg)
	min.	max.	min.	max.		
A	0,53	0,73	0,66	0,86	160	13,2
B	0,71	1,07	0,84	1,20	147	16,0
C	1,05	1,65	1,18	1,78	124	19,5
D	1,50	2,10	1,63	2,23	107	22,5
E	2,01	2,61	2,14	2,74	s.d.	25,6
F	2,61	3,21	2,74	3,34	s.d.	49,7



Square guy

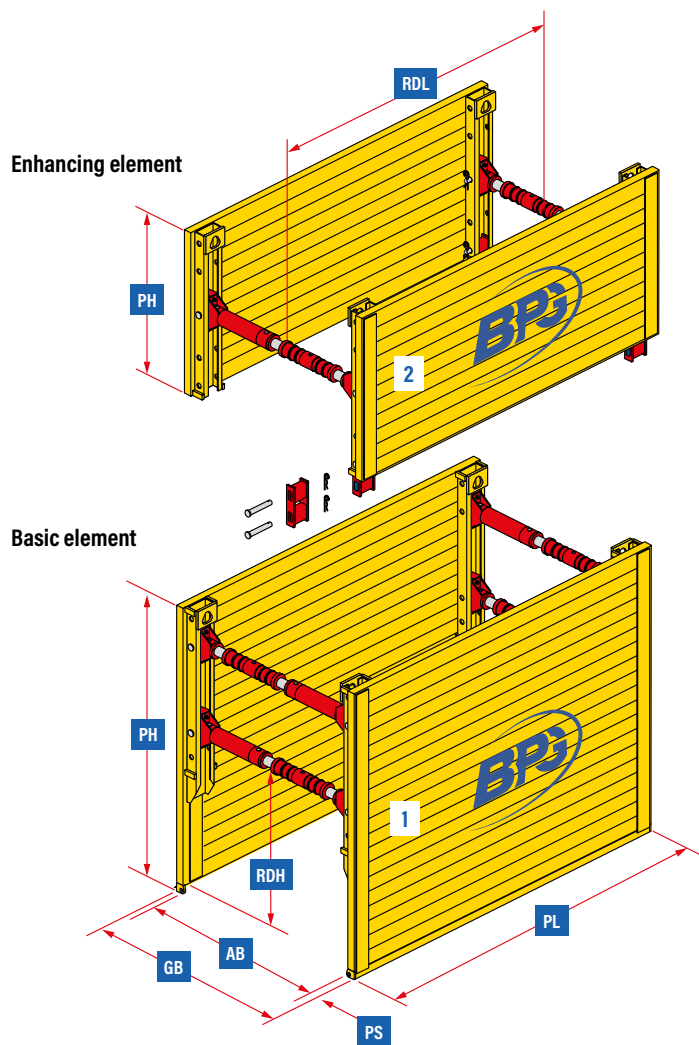
Type	Working width AB (m)		Width of the excavation GB (m)		Allowable thrust (kN)	Weight (kg)
	min.	max.	min.	max.		
0	0,57	0,77	0,70	0,90	169	9,5
1	0,82	1,29	0,95	1,42	159	15,0
2	1,34	1,80	1,47	1,93	149	20,5
3	1,85	2,32	1,98	2,45	132	26,0
4	2,37	2,83	2,50	2,96	103	31,5



Optional for Type 100 for working widths from 570 mm to 2830 mm

Light box Type 300

- Laying medium pipelines with light construction machinery.
- Installed by dragging for loose soils.
- Wheeled or tracked excavator: 12 – 18 t, with lifting element 18 – 30 t
- Maximum depth: 3.80 m
- Width of the excavation: 1.11 – 4.40 m
- Pipe clearance height: 1.27 m



- PH Panel height
 GB Width of the excavation
 AB Working width
 PS Panel thickness
 RDH Pipe clearance height
 PL Length of the panel
 RDL Pipe run length

Rental
Rental-sale
Sale

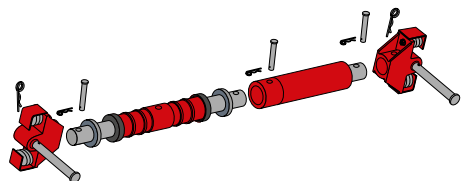

Light box Type 300

Element	Panel length PL (m)	Panel height PH (m)	Panel thickness PS (mm)	RDL pipe run length (m)	Pipe clearance height RDH (m)	System strength charac. Rk(kN/m ²)	Weight per crate with crossbar (kg/crate)
1	2,00	2,00 / 2,40 / 2,60	60	1,60	1,14 / 1,28 / 1,28	68,0 / 49,3 *	1051 / 1205 / 1281
2		1,40				68,0	666
1	2,50	2,00 / 2,40 / 2,60	60	2,10	1,14 / 1,28 / 1,28	54,4 / 39,4 *	1245 / 1431 / 1523
2		1,40				54,4	798
1	3,00	2,00 / 2,40 / 2,60	60	2,60	1,14 / 1,28 / 1,28	45,4 / 32,9 *	1437 / 1661 / 1773
2		1,40				45,4	930
1	3,50	2,00 / 2,40 / 2,60	60	3,10	1,14 / 1,28 / 1,28	34,2 / 28,2 *	1539 / 1779 / 1899
2		1,40				34,2	1061

* The characteristic system resistance relates to the indicated RD heights.

Standard guy

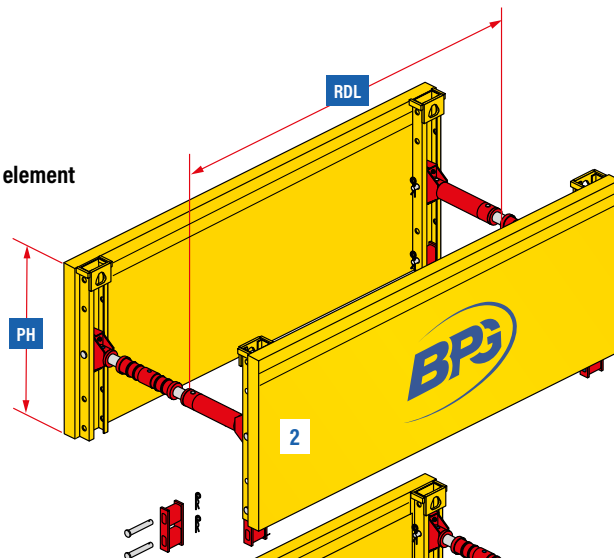
Number of intermediate tubes	Working width AB (m)	Width of the excavation GB (m)	Allowable thrust (kN)	Weight (kg)
0	0,98 - 1,27	1,11 - 1,40	468	65
1	1,48 - 1,77	1,61 - 1,90	403	86
2	1,98 - 2,27	2,11 - 2,40	348	107
3	2,48 - 2,77	2,61 - 2,90	299	128
4	2,98 - 3,27	3,11 - 3,40	254	149
5	3,48 - 3,77	3,61 - 3,90	210	170
6	3,98 - 4,27	4,11 - 4,40	165	191



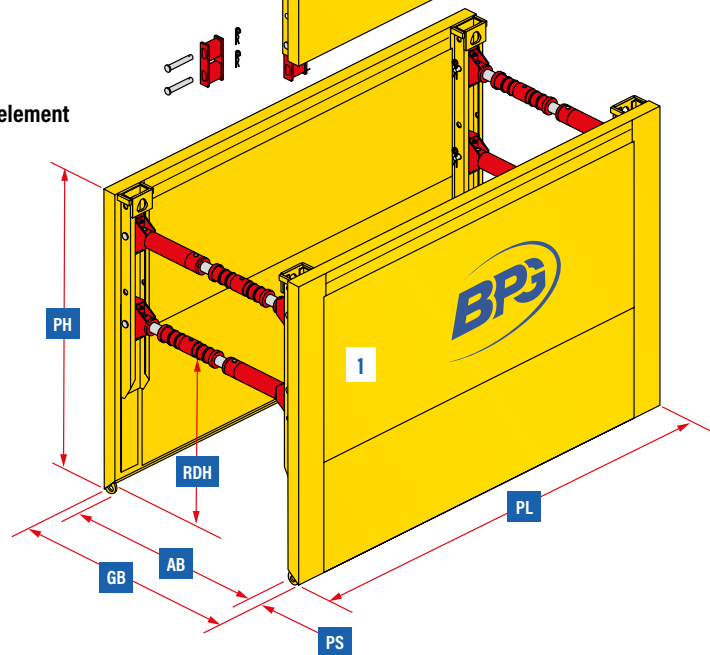
Standard box Type 600

- Robust and durable – guarantees maximum safety for depths up to 5.20 m
- Installation by dragging for loose soils. Shovel on wheels or on tracks: 12 – 18 t, with lifting element 18 – 30 t
- Maximum depth: 5.20 m
- Width of the excavation: 1.20 – 4.49 m
- Pipe clearance height: 1.50 m

Enhancing element



Basic element



- PH Panel height
GB Width of the excavation
AB Working width
PS Panel thickness
RDH Pipe clearance height
PL Length of the panel
RDL Pipe passage length

Rental

Rental-sale

Sale



Connection profile -
Special solution



Standard box Type 600

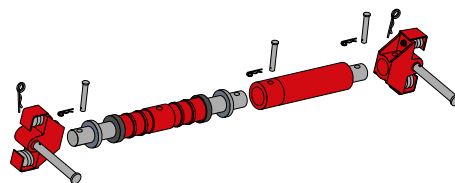
Element	Panel length PL (m)	Panel height PH (m)	Panel thickness PS (mm)	RDL pipe run length (m)	Pipe clearance height RDH (m)	System strength charac. Rk(kN/m2)	Weight per crate with crossbar (kg/crate)
1	3,00	2,40 / 2,60	107	2,60	1,30 / 1,50	76,3 / 65,7 *	2007 / 2151
2		1,40					1121
1	3,50	2,40 / 2,60	107	3,10	1,30 / 1,50	65,4 / 56,3 *	2289 / 2463
2		1,40					1290
1	4,00	2,40 / 2,60	107	3,60	1,30 / 1,50	57,2 / 49,3 *	2549 / 2733
2		1,40					1510

* The characteristic system resistance relates to the indicated RD heights.

- Special lengths on request!

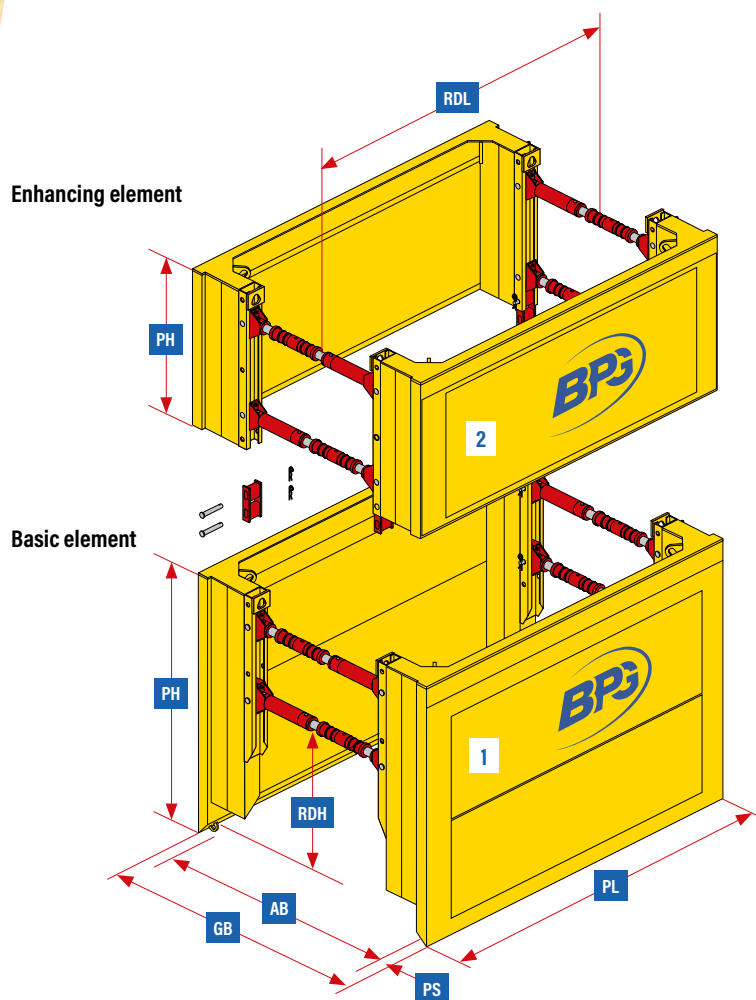
Standard guy

Number of intermediate tubes	Working width AB (m)	Width of the excavation GB (m)	Allowable thrust (kN)	Weight (kg)
0	0,98 - 1,27	1,20 - 1,49	468	65
1	1,48 - 1,77	1,70 - 1,99	403	86
2	1,98 - 2,27	2,20 - 2,49	348	107
3	2,48 - 2,77	2,70 - 2,99	299	128
4	2,98 - 3,27	3,20 - 3,49	254	149
5	3,48 - 3,77	3,70 - 3,99	210	170
6	3,98 - 4,27	4,20 - 4,49	165	191



Manhole box Type 600

- Robust and durable – ensures maximum safety for depths up to 5.20 m.
- Installation by dragline for loose soils.
- Wheel or crawler excavator: 18 - 30 t
- Maximum depth: 5.20 m
- Width of the excavation: 2.00 – 5.29 m
- Pipe clearance height: 1.50 m



- PH Panel height
 GB Width of the excavation
 AB Working width
 PS Panel thickness
 RDH Pipe clearance height
 PL Length of the panel
 RDL Pipe run length

Rental

Rental-sale

Sale



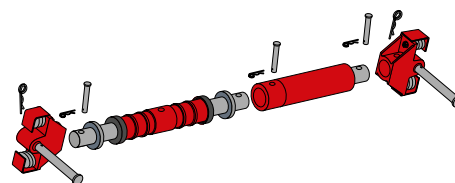
Manhole box Type 600

Element	Panel length PL (m)	Panel height PH (m)	Panel thickness PS (mm)	RDL pipe run length (m)	Pipe clearance height RDH (m)	System strength charac. Rk(kN/m2)	Weight per crate with crossbar (kg/crate)
1	3,00	2,40	107	2,60	1,30 / 1,50	76,3 / 65,7 *	2623
2		1,40					1599
1	3,50	2,40	107	3,10	1,30 / 1,50	65,4 / 56,3 *	2968
2		1,40					1706
1	4,00	2,40	107	3,60	1,30 / 1,50	57,2 / 49,3 *	3221
2		1,40					1853

* The characteristic system resistance relates to the indicated RD heights.
- Special lengths on request!

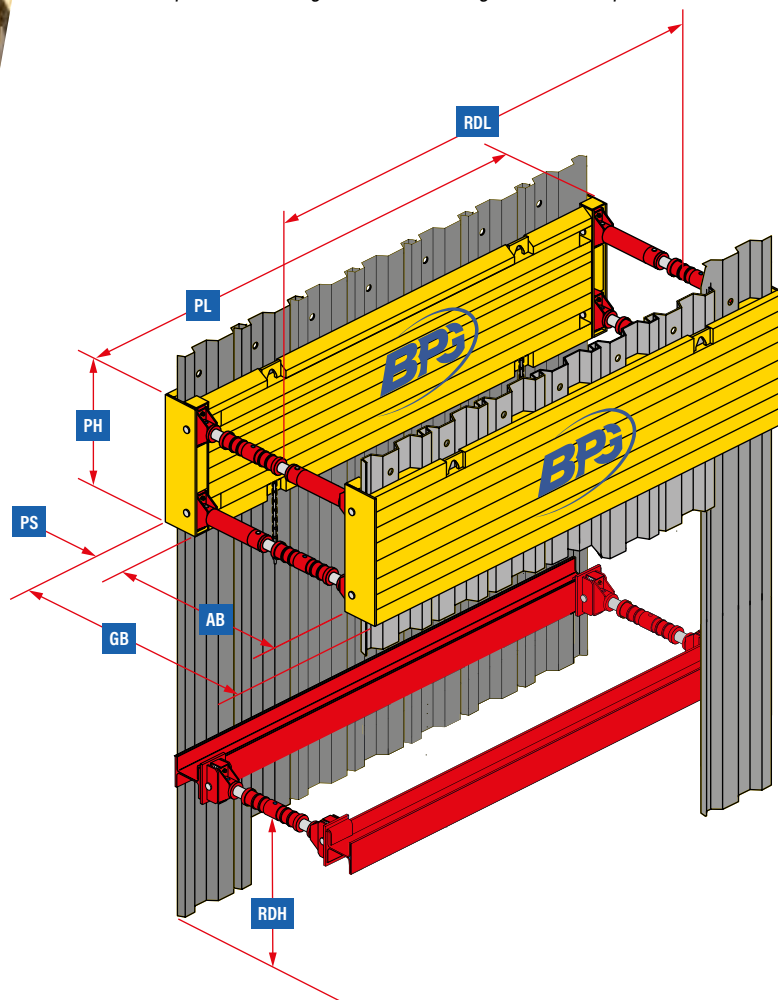
Standard guy

Number of intermediate tubes	Working width AB (m)	Width of the excavation GB (m)	Allowable thrust (kN)	Weight (kg)
0	1,78 - 2,07	2,00 - 2,29	468	65
1	2,28 - 2,57	2,50 - 2,79	403	86
2	2,78 - 3,07	3,00 - 3,29	348	107
3	3,28 - 3,57	3,50 - 3,79	299	128
4	3,78 - 4,07	4,00 - 4,29	254	149
5	4,28 - 4,57	4,50 - 4,79	210	170
6	4,78 - 5,07	5,00 - 5,29	165	191



Honeycomb box

- Combined system (panels with palfeuilles)
Use in case of pipes crossing the excavation. Also possible in combination with a sliding shield.
- Installation by dredging for loose soils.
- Wheeled loader: 9 - 13 tt
- Maximum depth: 6.00 m
- Width of the excavation: 1.30 - 4.59 m
- Pipe clearance height based on the length of the sheet palm



PH	Panel height
GB	Excavation width
AB	Working width
PS	Panel thickness
RDH	Pipe passage height
PL	Panel length
RDL	Pipe passage length

Rental

Rental-sale

Sale



Number of leaflets (n / panel)

Hanging bracket - Special solution



Palisade Box Type 100 & 400

Panel length PL (m)	Panel height PH (m)	Pipe passage length RDL (m)	Nombre de palfeuilles (n / panneau)	Allowable force on the purlins (kN/m)	Weight of the tray (kg)	Weight of the box (kg)
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Type 100 box with 'B' struts + KD 4 folded sheets

2,00	0,60	1,70	5	45,70	274	622
2,50	0,60	2,10	6	30,56	318	710
2,90	0,60	2,50	7	21,86	363	800

Type 400 box with standard struts + KD 6* batten boards

2,80	1,00	2,50	5	132,80	613	1309
3,40	1,00	3,00	6	90,04	689	1461
3,90	1,00	3,50	7	67,82	849	1781

Type 400 casing for slides + KD 6 half-lap joints

2,00	1,00	1,80	3	n. c.	487	-
2,50	1,00	2,30	4	169,54	582	-
3,00	1,00	2,80	5	116,02	677	-
3,50	1,00	3,30	6	80,52	778	-
4,00	1,00	3,80	7	61,53	873	-
5,00	1,00	4,80	9	69,52	1250	-

* Execution with KD 4 on request.

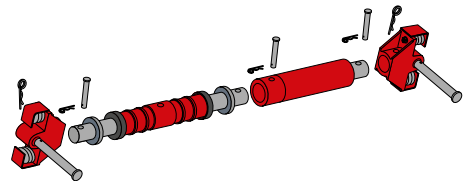
- Special panel lengths and interior panel thickness 170 mm on request!

Standard guy

Number of intermediate tubes	Working width AB (m)		Width of the excavation GB (m)	Allowable thrust (kN)	Weight (kg)
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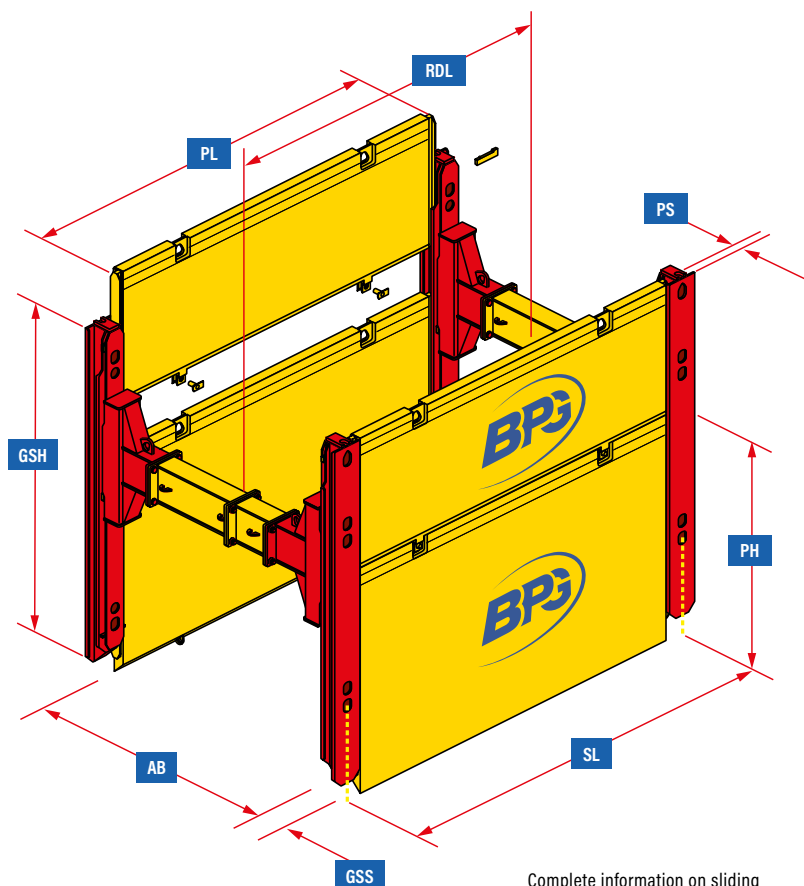
Palfeuilles Interior panels

0	1,00 - 1,29	0,76 - 1,05	1,30 - 1,59	468	65
1	1,50 - 1,79	1,26 - 1,55	1,80 - 2,09	403	86
2	2,00 - 2,29	1,76 - 2,05	2,30 - 2,59	348	107
3	2,50 - 2,79	2,26 - 2,55	2,80 - 3,09	299	128
4	3,00 - 3,29	2,76 - 3,05	3,30 - 3,59	254	149
5	3,50 - 3,79	3,26 - 3,55	3,80 - 4,09	210	170
6	4,00 - 4,29	3,76 - 4,05	4,30 - 4,59	165	191



Single slide

- For excavations with large pipe runs – Panels guided in a channel – Sliding sled – for optimal use of workspace.
- Installation by dragline for loose soils.
- Wheel or crawler excavator: 18 – 30 t
- Maximum depth: 3.80 m
- Width of the excavation: 1.68 – 6.68 m
- Pipe clearance height: 2.46 m



Complete information on sliding panels can be found on page 24

- | | |
|-----|------------------------|
| PL | Height of the platform |
| GSH | Height of the slide |
| AB | Working width |
| GSS | Thickness of the slide |
| SL | Length of the system |
| PH | Height of the panel |
| PS | Thickness of the panel |
| RDL | Pipe passage length |

Rental

Rental-sale

Sale



Single slide

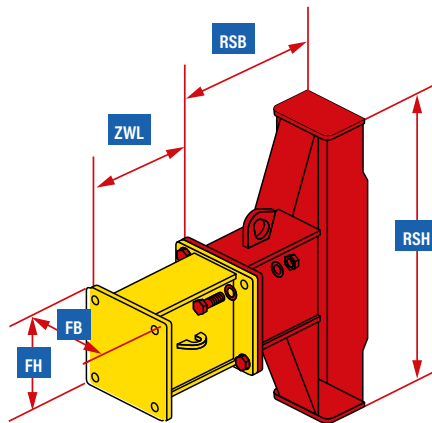
Element	Slide height GSH (m)	Weight (kg)	Thickness of the GSS slide (mm)	System resistance char.
Slide	3,50	540	220	460,0 kNm
Corner rail		350	275	130,9* kN/m

* Maximum force on the bottom of the slides, per side

Sliding sled

RSH Height (m)	1,24
RSB Width (m)	0,62
Flange Width FB (mm)	405
Flange Height FH (mm)	420
Weight / pair (kg)	620
Minimum working width AB (m)	1,24

RSH Height of the sliding sled
RSB Width of the sliding sled
ZWL Length of the spacer
FH Height of the flange
FB Width of the flange

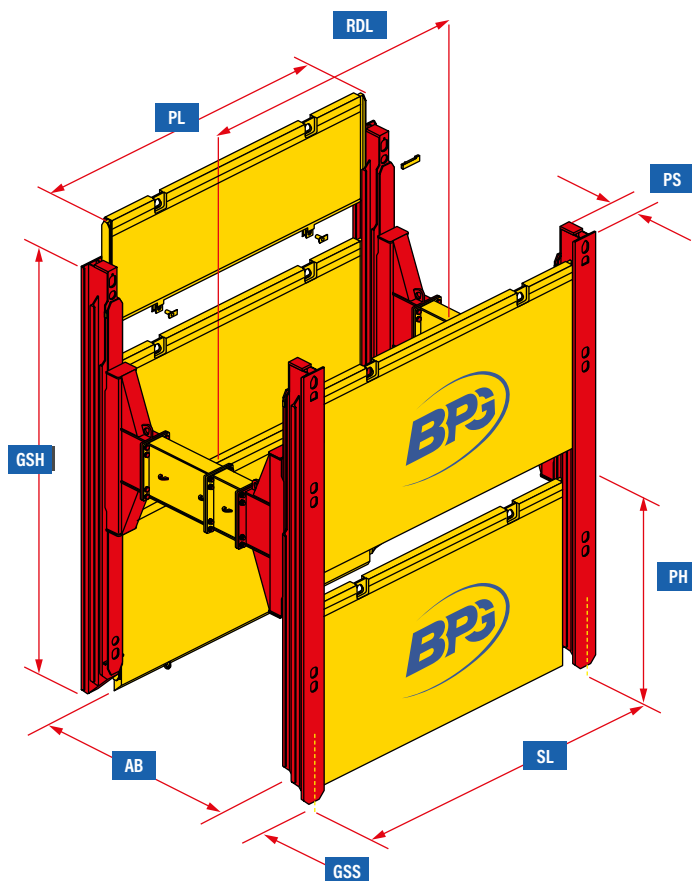


Spacer

ZWL Length (m)	0,25	0,50	0,75	1,00	2,00	3,00
Weight (kg)	99	128	157	185	303	421

Standard double slide

- Shield panels in two slides - flexibility of use in many areas. Installation by pulling in loose ground - easy extraction.
- Crawler excavator: 24 - 31 t
- Maximum depth: 6.20 m
- Width of the excavation: 1.99 - 8.99 m
- Pipe clearance height: 2.95 m



Complete information on sliding panels can be found on page 24

PL	Height of the platform
GSH	Height of the slide
AB	Working width
GSS	Thickness of the slide
SL	Length of the system
PH	Height of the panel
PS	Thickness of the panel
RDL	Length of pipe passage

Rental

Rental-sale

Sale



Standard double slider

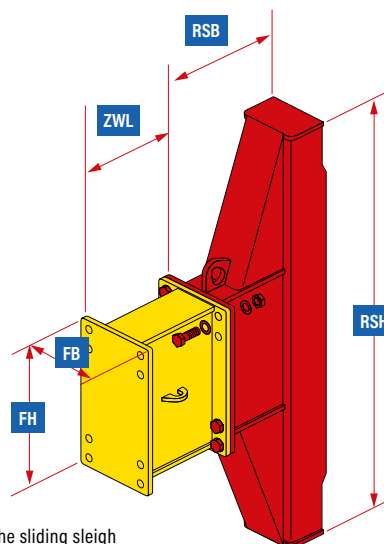
Element	Height of the guardrails GSH (m)	Weight (kg)	Thickness of the GSS slide (mm)	System resistance char.
Slide	4,50	960	375	949,2 kNm
	5,50	1176		
	6,00	1266		
	6,50	1383		
Corner rail	4,50	810	430	130,9* kN/m
	5,50	957		

* Maximum force on the bottom of the slides, per side

Standard sliding sled

RSH Height (m)	2,04
RSB Width (m)	0,50
Flange Width FB (mm)	0,50
Flange Height FH (mm)	0,62
Weight / pair (kg)	405
Minimum Working Width AB (m)	720
	1,24

* Maximum force on the bottom of the slides, per side



RSH Height of the sliding sleigh
RSB Width of the sliding sleigh
ZWL Length of the spacer
FH Height of the flange
FB Width of the flange

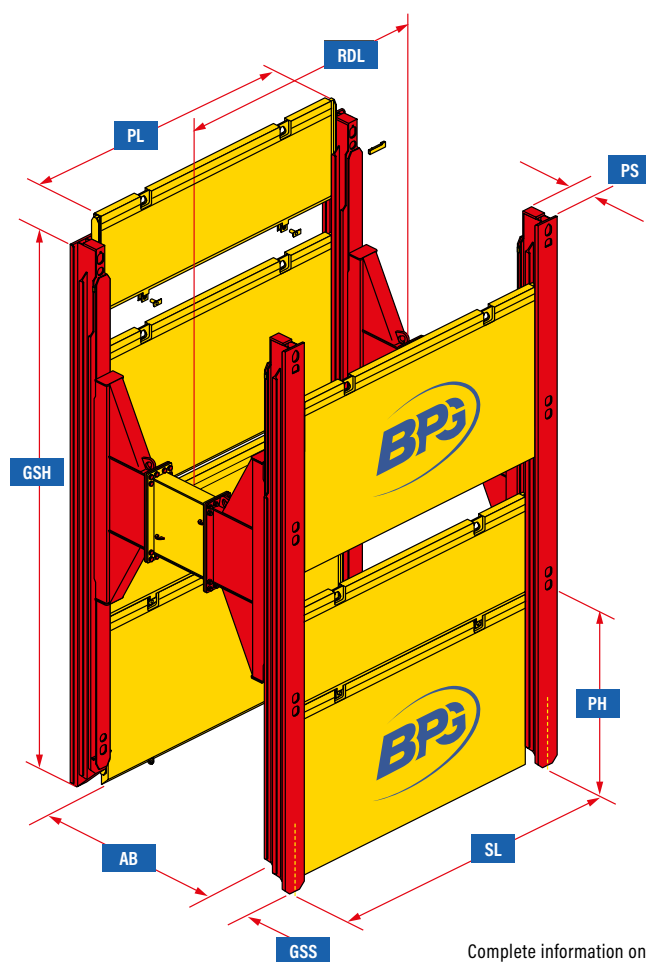
Standard spacer

ZWL Length (m)	0,25	0,50	0,75	1,00	2,00	3,00
Weight (kg)	163	202	245	277	437	597

XL double slider



- Shielding panels in two tracks - flexibility of use in many areas.
- Installation by spading for loose soils - easy extraction.
- Crawler excavator for depths up to 6.2 m: 24 - 31 t, from 6.2 m: 30 - 50 t
- Maximum depth: 7.60 m
- Width of the excavation: 2.64 - 9.64 m
- Pipe clearance height: 3.95 m



Complete information on sliding panels can be found on page 24.

PL	Height of the platform
GSH	Height of the slide
AB	Working width
GSS	Thickness of the slide
SL	Length of the system
PH	Height of the panel
PS	Thickness of the panel
RDL	Pipe passage length

Rental

Rental-sale

Sale



XL double slider

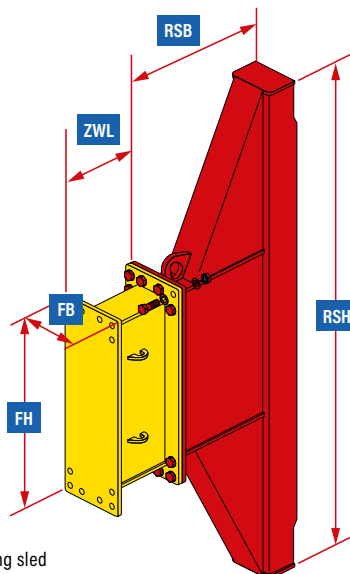
Element	Slide height GSH (m)	Weight (kg)	Thickness of the GSS slide (mm)	System resistance char.
Slide	6,50	1418	405	949,2 kNm
	7,50	1636		
Corner slider	6,50	1188	430	130,9* kN/m
	7,50	1338		

* Maximum force on the bottom of the slides, per side

XL sliding sled

RSH Height (m)	3,04
RSB Width (m)	0,92
Flange Width FB (mm)	405
Flange Height FH (mm)	1220
Weight / pair (kg)	1700
Minimum working width AB (m)	1,83

RSH Height of the sliding sled
RSB Width of the sliding sled
ZWL Length of the spacer
FH Height of the flange
FB Width of the flange



XL Spacer

ZWL Length (m)	0,25	0,50	0,75	1,00	2,00	3,00
Weight (kg)	306	363	418	475	714	960

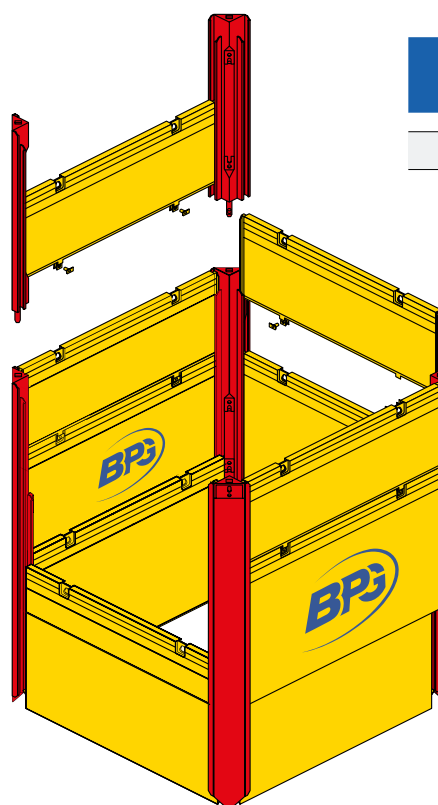
Protection of excavations

Quick installation, immediate security, and high profitability

Provisions and regulations define the securing of unprotected excavations and trenches. If they are not protected, they pose a danger to passersby as well as to personnel. Protecting excavations using a shielding system instead of traditional beams and struts ensures savings. This system provides increased safety as soon as it is put in place by jacking. It can be used flexibly even in small narrow pits (e.g., manholes in cities) and does not require excessive excavation capabilities. These systems are also more resistant and difficult to deform.

With or without a sliding device for the beam

- Maximum staff safety
- Reduced excavation work
- Time savings compared to the traditional process
- Less backfilling and compacting
- Completely without stay wires



Excavation widths (m)	Maximum depth (m)
2,0 x 2,0 – 7,0 x 7,0	> 7,6

Rental

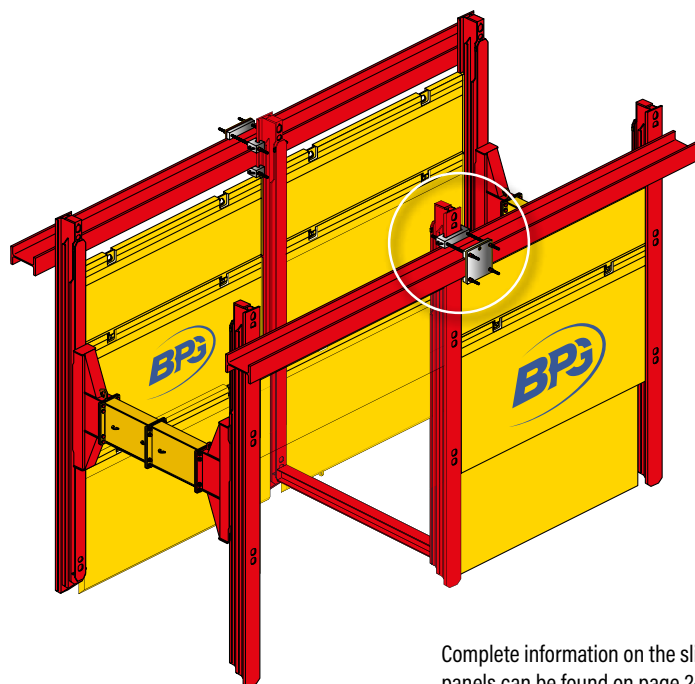
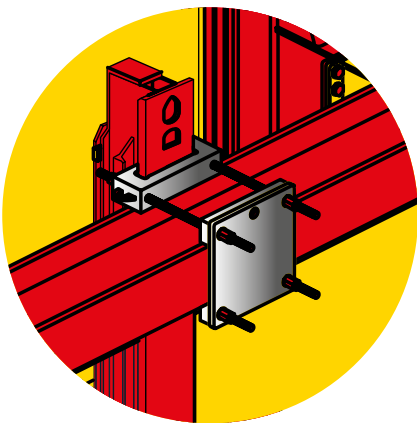
Rental-sale

Sale

Sliding device for beam

The sliding device for beams is used for larger excavations, in order to do without struts entirely.

More information on this subject is available on request.



Complete information on the sliding panels can be found on page 24.



Sliding panels

Raise

Base panel



PL Panel length
PH Panel height
PS Panel thickness
RDL Pipe passage length
SL System length

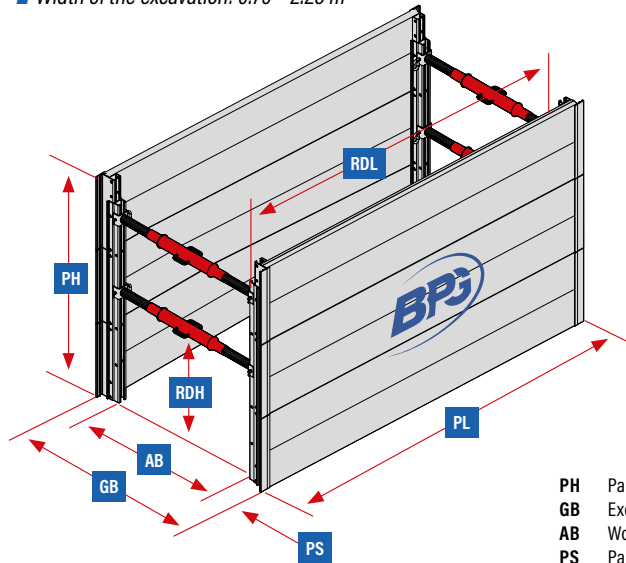
Element	Panel length PL (m)	Panel height PH (m)	Panel thickness PS (mm)	RDL pipe run length (m)	RDL pipe run length (m)	System resistance char.Rk(kN/m2)	Weight (kg)
1	2,00	2,40	107	1,80	2,27	220,2	552
2		1,40					347
1	2,50	2,40	107	2,30	2,77	141,2	660
2		1,40					434
1	3,00	2,40	107	2,80	3,27	97,9	828
2		1,40					521
1	3,50	2,40	107	3,30	3,77	72,0	966
2		1,40					608
1	4,00	2,40	107	3,80	4,27	55,1	1105
2		1,40					694
1	4,50	2,40	130	4,30	4,77	78,5	1609
2		1,40					1115
1	5,00	2,40	130	4,80	5,27	63,6	1788
2		1,40					1239
1	5,50	2,40	130	5,30	5,77	52,6	1967
2		1,40					1363
1	6,00	2,40	130	5,80	6,27	44,1	2150
2		1,40					1490
1	6,50	2,40	150	6,30	6,77	45,0	2650
2		1,40					1810
1	7,00	2,40	150	6,80	7,27	38,8	2850
2		1,40					1950

Reinforced trays for heavy loads on request.

Light aluminum armor

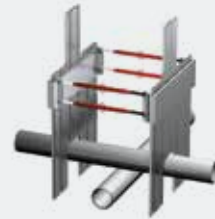
ISCHEBECK
GIGANT

- For small construction sites. (supply pipes, building connections, etc.)
- Installation in a preliminary excavation for stable ground.
- By hand / Mini excavator: 3 – 7 t
- Maximum depth: 3.00 m
- Width of the excavation: 0.70 – 2.28 m



PH Panel height
 GB Excavation width
 AB Working width
 PS Panel thickness
 RDH Pipe passage height
 PL Panel length
 RDL Pipe passage length

The aluminum panel can be used with the GIGANT light aluminum shielding (on request)



Panel length PL (m)	Panel height PH (m)	Panel thickness PS (mm)	RDL pipe run length (m)	Pipe clearance height RDH (m)	Resistance system charac. Rk (kN/m ²)	Weight per cabinet (kg/cabinet)
0,91	1,50 / 2,00 / 2,50 / 3,00*	50	0,69	0,75	51,0	312**
1,55	1,50 / 2,00 / 2,50 / 3,00*	50	1,33	0,75	51,0	411**
2,00	1,50 / 2,00 / 2,50 / 3,00*	50	1,78	0,75	51,0	469**
2,55	1,50 / 2,00 / 2,50 / 3,00*	50	2,33	0,75	34,5	569**
3,00	1,50 / 2,00 / 2,50 / 3,00*	50	2,78	0,75	26,2	635**

* Maximum depth: 6.00 m

** The weight per caisson corresponds to an excavation depth of 3.0 m, with strut 1.29 – 2.18

Stirrup

Working width AB (m)	Allowable thrust (kN)	Weight (kg)
0,6 – 0,81	103,5 – 56,4	5,54
0,8 – 1,21	98,9 – 56,1	7,35
1,29 – 2,18	84,3 – 44,2	11,49

Accessories	Length (m)	Weight (kg)
Aluminum amount	0,28	2,03
Aluminum amount	1,35	6,55
Aluminum amount	1,85	9
3-D lifting ring		1,5
Key for strut		2,3

GIGANT U-shaped clevis for steel tie bars from HEB 140

Type	Adjustment range (m)	Allowable load (kN)	Weight (kg)
Gi-S 120	0,70 - 1,20	210,0 - 177,3	26
Gi-S 170	1,05 - 1,70	210,0 - 177,3	32
Gi-S 210	1,40 - 2,10	184,4 - 156,1	36
Gi-S 260	1,90 - 2,60	176,3 - 139,7	40
Gi-S 310	2,40 - 3,10	156,8 - 138,1	45
Gi-SV 210	1,40 - 2,10	548,0 - 290,0	69
Gi-SV 260	1,90 - 2,60	471,0 - 260,0	81
Gi-SV 310	2,40 - 3,10	424,0 - 270,0	92
Gi-SV 380	3,10 - 3,80	390,0 - 258,0	107
Gi-SV 450	3,80 - 4,50	344,0 - 262,0	122



TITAN L-shaped tie for wooden purlins 140/160 mm

Type	Adjustment range (m)	Allowable load (kN)	Weight (kg)
Titan 48/120	0,70 - 1,17	63 - 48	9
Titan 48/150	0,90 - 1,50	61 - 45	10
Titan 48/210	1,20 - 2,10	60 - 38	13
Titan 60/150	0,90 - 1,50	100 - 99	17
Titan 60/200	1,40 - 2,00	100 - 93	19
Titan 60/250	1,90 - 2,50	95 - 84	22
Titan 60/300	2,40 - 3,00	85 - 72	25



TERRA with stud plate and nail hole

Type	Adjustment range (m)	Allowable load (kN)	Weight (kg)
Terra 1	0,50 - 0,80	38 - 30	3,60
Terra 1a	0,60 - 0,90	36 - 29	3,90
Terra 2	0,80 - 1,10	34 - 29	4,50
Terra 3	1,10 - 1,40	29 - 23	5,40
Terra 4	1,40 - 1,70	26 - 22	6,40



Service Stirrups

At the end of the work, the shielding equipment: struts, panels, and others come back from the construction site. They are then inspected for the next use. Bau Power Group restores your shielding equipment for your next construction site.

Our Etrésillons service

- Status check
- Cleaning and greasing of the turnbuckles
- We straighten your panels
- The defective parts are replaced after consulting with the customer

A service that allows you to send your equipment to the construction site with complete confidence.



Shielding profiles

Sheet piles, light sections, sheet piles

KD 400



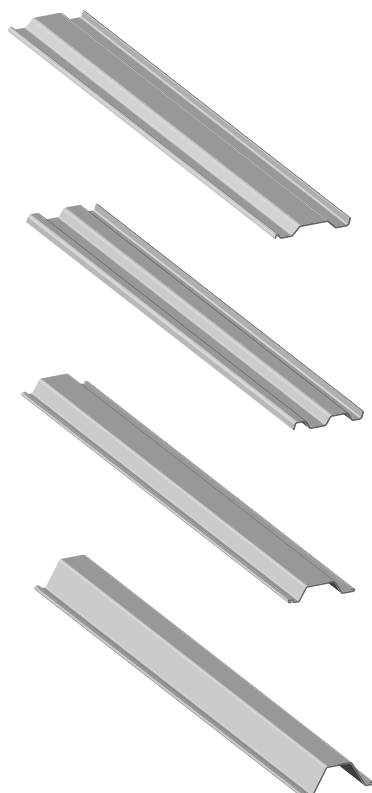
KD 600



FLP 700



FLP 750



Type	Profile width (mm)	Torque resistant (cm ³ /m)	Weight (kg/lfm)	Weight (kg/m ²)
KD 400 / 6	400	98,75	22,23	55,57
KD 600 / 8	600	237	50,0	83,33
FLP 700 / 8	700	540	61,9	88,45
FLP 750 / 8	750	1044	76,61	102,0

You will find in our product range light sheets and profiles of different formats and sizes for all types of armoring.

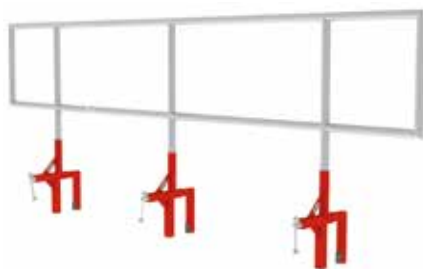


Fall protection

Aluminum fall protection

The adjustable aluminum clamp guardrails are quick and easy to install and prevent construction workers from falling into open trenches. Thanks to the clamps, they have uniform contact with the surface and can be used for different slab dimensions.

- Adjustable fastening clamps from 50 to 210 mm
- Available lengths: 3.0 m and 3.5 m, height 1.0 m
- Modular design
- Basic guardrail for fence elements (wire mesh panels)
- Easy storage (stacking) on site and during transport



type	length	height	Weight
Fall protection with mounting bracket	3,0 m	1,0 m	28 kg
Fall protection with mounting bracket	3,5 m	1,0 m	29 kg



Fence elements

Light fencing elements with a grid are the ideal solution for securing personnel and construction trenches to prevent any falling equipment or tools. These very sturdy elements are available in 2 widths, can be assembled quickly, for example by simply hanging them on fall protection devices and securing them with a safety pin.

type	length	height	Weight
Fencing element 0.5	500 mm	948 mm	5,5 kg
Fencing element 1.0	1000 mm	948 mm	9,0 kg



AS16 fall protection



Video AS16

Individual posts made of sturdy steel for variable spacings of up to three meters. Thanks to the simple removal of pallets and the movement of the posts using a forklift, a wheel loader, or an excavator, fewer personnel are needed on the open-air construction site, and safety is enhanced during assembly, including when inserting the wooden boards.

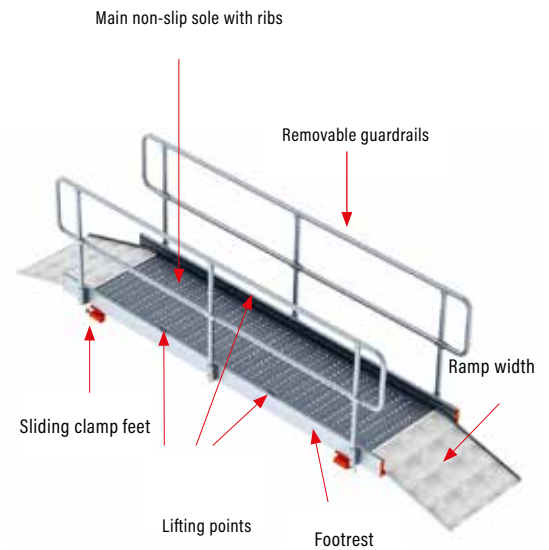
- AS16 Tibatek Fall Protection (kit only)
- 16 posts on a pallet, enough for 3 retaining areas
- header field included

Different assistance devices

Aluminum trench bridges

Aluminum transition walkways allow employees to safely cross trenches. Robust construction with a ribbed, non-slip base plate, secured on all sides by guardrails. The wide ramps are easy to disassemble and stack.

type	understands	mass	Weight	load capacity
Aluminum trench bridge	With access ramp and foldable guardrails	2800 x 1300 mm	96 kg	200 kg
Aluminum ditch bridge	With access ramp and foldable guardrails	3300 x 1300 mm	123 kg	200 kg



KS12 chain support

The 4-arm stand eliminates chain tangling. The slings are suspended clearly and neatly at a comfortable working height, which prevents unnecessary searching and, overall, protects employees' backs. The stand for 12 chains can be easily moved with a crane and stays clean thanks to its grate bottom that is resistant to dirt and water.

- For 12 chains/slugs
- Permeable soil, less pollution
- Easy transport with the help of a crane
- Work without hurting your back
- Optional anti-theft device



D1500 Miner Helmets

Simple but effective to prevent the annoying backfilling of wells. With the help of an excavator or a crane, easily place the cover in position and protect the wells before backfilling. Sturdy and practical construction that does not slip.

- Covering during backfilling
- Suitable for wells up to DN 1500
- Easy handling, robust steel design
- Diameter 1510 mm, height 1487 mm, weight 154.2 kg



Access assistant

with safety gate

The access auxiliary with safety gate allows personnel to descend into the excavation safely.

- Non-slip grating structure
- Gate with automatic closing
- Integrated scale setting



Fall protection for

the access assistant

Fall protection for the access auxiliary can be mounted on both sides.

Fall protection for the access auxiliary can be mounted on both sides.

Consists of:

- Safety post
- 9 m fall arrest device



Rescue kit

The rescue kit is mounted using an adjustable clamp (for panels or light sheets / light profiles) above the excavation to allow the rapid and safe rescue of personnel.

- Overload indicator
- Adjustable range
- Effective working length: 24 m



Shielding accessories



Pipe installation device

Pipe clamps and the pipe installation device provide valuable assistance for safely lifting, removing, and assembling reinforced concrete pipes.

- Safe and quick assembly of reinforced concrete pipes
- No annoying power cables thanks to battery power
- Clamping and pulling by simply pressing a button controlling a hydraulic cylinder



Pipe clamps

High-performance combination of a clamp and a sling for the safe handling of cylindrical parts such as pipes of all kinds, cylinders, ...

Rental

Rental-sale

Sale

Steel crossing plates

Thanks to their convincing rigidity, steel cover plates allow trenches to be covered so that pedestrians and machines can cross them safely. These massive plates are mainly used in road traffic and can be easily crossed by cars, trucks, and other means of transport. The plates are equipped with four fixing holes and have a non-slip coating on both sides. Installation is carried out using an excavator and a four-chain sling or, nowadays, using a centered lifting ring.

type	Dimensions (mm)	Thickness (mm)	Weight (kg)
Steel crossing plates	3500 x 2100	25	ca. 1470
Steel crossing plates	3500 x 1500	30	ca. 1270
Steel crossing plates	2500 x 1250	30	ca. 770

*Bearing pressure (point load determined according to the type of soil) per m², (these are indicative values, a soil assessment must be carried out by the user).



asphalt lid



Video Asphaltdeckel

The asphalt cover, available in two sizes, offers greater precision in work and flawless compaction in the manhole area. The cover is easy to install, and its removal is guaranteed thanks to a central pull tube (extendable up to approximately 35 cm). Searching for the cover is also a thing of the past thanks to a recessed end with a handle for excavators and wheel loaders. A smart cover that brings a lot of efficiency.

type	Outer diameter	Internal diameter	Weight
Asphalt cover 625	780 mm	515 mm	36 kg
Asphalt cover 800	960 mm	675 mm	51 kg

The cleaning of returned rented equipment that has been insufficiently cleaned is charged based on the work required.



*Also
online!*



Training on trench and excavation safety from a depth of 1.5 m

Go to the construction site in the morning, carry out your daily work with others, and return home safe and sound in the evening. This is the goal of this training intended for all those who work in the field of civil engineering. Sometimes it takes little to make construction sites safer through knowledge and memory. You contribute to achieving this goal.

course content

- SUVA Rule 8 'We secure trenches and excavations from a depth of 1.5 m'
- Theoretical knowledge on trench safety
- Practical instructions on securing trenches

training dates

St. Gallen (date on request)

Hours: 2:30 PM - 5:30 PM, followed by an aperitif

Zurich (date on request)

Schedule: 2:30 PM - 5:30 PM, followed by an aperitif

Individual corporate courses

On request, we also organize external training in an appropriate environment. Save travel time and train several employees directly on site, with a course specific to your company.

Registration / Information

Contact us for more details:
Tel. +41 71 730 09 94
office@baupowergroup.com

Rental

Rental-sale

Sale

Formwork ladders / sheet pile ladders

Scale for sheet piles

Ladder for sheet piles with spacers to account for irregularities of the sheet piles. Simple assembly and flexible use, also extendable up to a maximum of 10 meters

A standard ladder for sheet piles always consists of two platforms and an intermediate piece

type	Understands	length	Weight
Scale for standard sheet piles	Lower and upper podium shortened with intermediate piece	4,0 m	350 kg
Intermediate piece for sheet pile ladder	Extensions, individual, max. 7 pieces per ladder	1,0 m	39 kg



Video Verbauleiter

Construction site manager / Slope manager

Construction ladders allow safe access to construction trenches and provide maximum protection during ascent and descent. These flexible climbing aids can be easily moved with an excavator, are extendable flexibly up to a maximum of 10 meters, and are ISO certified. A standard construction ladder always consists of two platforms and an intermediate piece.



slope ladder



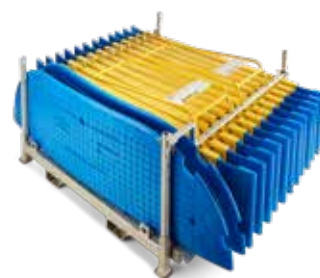
Site Manager (m/f)

type	Understands	length	Weight
Light construction site manager	Lower and upper podium	2,0 m	175 kg
urban heating	without intermediate piece	4,0 m	205 kg
Standard construction site manager	Lower and upper podium, including an intermediate piece	1,0 m	35 kg



Lightweight bridges passable for trenches for heavy loads

The LowPro 23/05 RoadPlate trench bridge is a modular system composed of individual elements that can be assembled together. It is suitable for a maximum load of 44 tons and a trench width of 1,200 mm.



Video Typ 23/05

Trench bridge 23/05 for heavy loads¹

This innovative and passable trench bridge (up to 44 t) allows trenches up to 1.20 m wide and 6 m long to be covered without any problem, without a crane. Two people are enough to lay the modules. Useful installation aids are included in the delivery.

- The heavy load passage plate kit 23/05 includes: 12 central pieces, 2 end pieces, 2 installation aids
- Easy to carry and store thanks to its transport frame
- Individual plate 500 x 2300 mm (65 kg), ends 70 x 2300 mm (27 kg))
- Area per kit: 7400 x 2300 mm / Trench dimensions: 6000 x 1200 mm • Set weight: 1,030 kg
- Can support vehicles up to 44 tons max..
- Non-slip and soundproof surface
- Individually configurable, also for longer trench systems
- Thanks to the EasyLift installation aid, the installation can be carried out easily by 2 people, without a crane or heavy machinery.



Trench cover 15/10 - up to 3.5 t



Video Typ 15/10

Modular system for trench covering, replacing steel plates. Lightweight composite trench cover for pedestrians and vehicles up to 3.5 tons, for an excavation 900 mm wide. Ideal for access roads, bike paths, and sidewalks.

- Easy assembly, compact transport and storage
- Trench covering up to 900 mm wide
- Non-slip PVC edging around the entire perimeter
- High load capacity despite low own weight (pedestrians, cars)
- Application on compacted surfaces (asphalt, concrete, etc.)
- Modular, easily extendable for long trenches

type	Content	Total weight (kg)	Dimensions (mm)
Trench cover 15/10	Complete plate	38	1500 x 1000
Long filler element for trench cover 15/10	Individual elements	2,3	1500 x 150
Short filler element for trench cover 15/10	Individual elements	2,0	1000 x 150



Trench cover 12/8 - up to 2.0 t



Video Typ 12/8

Lightweight composite material cover for pedestrians and 2-ton vehicles for trenches 700 mm wide. Alternative to steel and plywood plates, do not use on the roadway.

- Easy assembly, transport and compact storage
- Covers for pits up to 700 mm wide
- Non-slip PVC edging around the entire perimeter
- Very low own weight, good load capacity (pedestrians, bicycles)
- Application on compacted surfaces (asphalt, concrete, etc.)

type	Content	Total weight (kg)	Dimensions (mm)
Trench cover 12/8	Complete plate	17	1200 x 800
Long filler element for trench cover 12/8	Individual elements	2,0	1200 x 150
Short filler element for trench cover 12/8	Individual elements	1,5	800 x 150



Solutions for soil protection

with added value



Video FODS

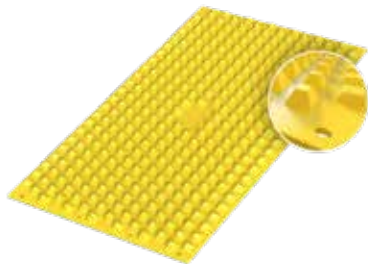
FODS - Anti-dirt plastic mat Max load

The alternative to
wheel washers

Plastic dirt-trapping mats are a durable and reusable construction site entry system that minimizes dirt on traffic routes. They allow for the quick and easy creation of stabilized access to the site. The mats effectively remove mud and deposits from vehicle tires and also protect the ground surface against damage.

- Easy to clean
- Quick installation and uninstallation
- Connect the mats using fittings
- Maximum load up to 50 tons
- Surface 7,56 m²

type	Dimensions (mm)	Thickness (mm)	Weight (kg)
FODS Anti-dirt Plastic Mat	3600 x 2100	75	195



Video Bodenschutz

BPG FastCover Plus

Our floor protection mats offer a quick and easy way to cover large areas. Lightweight and sturdy, these panels are easy to transport and can be installed by a single person. Their non-slip surface provides stable and secure grip, making them safe to use in wet and muddy conditions.

- 100% recycled PVC
- Quick installation thanks to the interlocking lips
- Ideal for events, construction sites, access roads, etc..
- Resistant to the weight of pedestrians and cars
- Surface 0.62 m² or 2.88 m²

type	Dimensions (mm)	Thickness (mm)	Weight (kg)	Max load
BPG FastCover Plus	1200 x 600	22	20	-
BPG Lite Track	2400 x 1200	11	32	5





Rental

Rental-sale

Sale

Relieve your staff and protect the floors with our floor protection mats

Innovative protective plates made of lightweight and durable PE. Your workers work faster, get injured less, and nature thanks you. Ruts and other unsightly ground damage are a thing of the past, which will no doubt delight you!

Very flexible client use;

- Weight per plate starting from 34 kg / ("Light" plate)
- Size of the plates from 2 to 6 m²
- The plates of the 'Light' and 'Medium' types can be installed by hand, without auxiliary equipment.
- Savings start with transportation
- Possibility of renting, rent-to-own, and sale
- Depending on the type, also suitable for crane and construction machine traffic
- Used for temporary access, sidewalks during events, construction site access, etc..



Video Fahrplatten

BPG Professional Runway Plates

Bau Power Group rolling plates combine a high allowable load and a structure ensuring perfect grip. They are therefore suitable for all usage conditions. These rolling plates offer an optimal stiffness/breaking strength ratio over a wide range of temperatures. They thus ideally meet the most stringent quality requirements. You are ready to respond to any situations in which it is forbidden to damage or roll directly on the ground.

- Easy installation thanks to its reduced weight
- Optimal grip on an unstable and soft surface
- Very durable and extremely stable (more than 150 tons on stable ground)
- Long lifespan – resistant to breaking and wear-free
- Easy transport in stackable racks
- The machines are less stressed
- Your vehicles consume less fuel



Type	Size (mm)	Thickness (mm)	Weight (kg)	unstabilized and wet (t)	unstabilized and dry (t)	stable (t)
BPG Plate Professional Light	2400 x 1200	14	env. 43	10	30	> 80
BPG Plate Professional Medium	2400 x 1200	16	env. 50	20	50	> 120

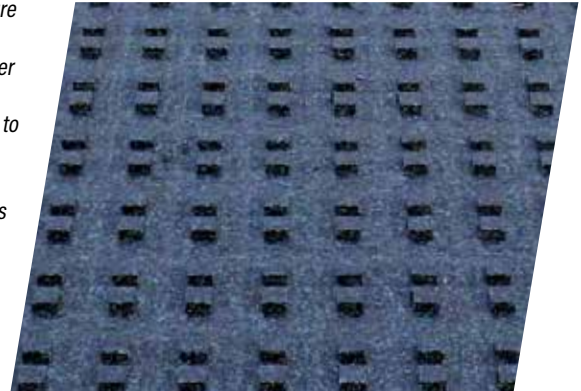


Video Schwerlast

Plates for heavy loads BPG

Bau Power Group rolling plates combine a high allowable load with a structure that ensures perfect grip. They are therefore suitable for all operating conditions. These rolling plates offer an optimal stiffness/breaking strength ratio over a wide temperature range. They thus ideally meet the most stringent quality requirements. You are ready to respond to any situation in which it is forbidden to damage or drive directly on the ground.

- Safe driving and optimal grip on all types of surfaces, especially for heavy loads
- Very resistant and extremely stable (200 tons on stable ground)
- Non-conductive, ideal for the installation of overhead line towers
- Solid assembly, without interruption, with connecting elements
- Long lifespan - resistant to breaking and wear-free
- The machines are less stressed
- Your vehicles consume less fuel



Type	Size (mm)	Thickness (mm)	Weight (kg)	unstabilized and wet (t)	unstabilized and dry (t)	stable (t)
Plate for heavy loads BPG Maximum	3000 x 2000	40	ca. 235	60	130	> 200
Heavy load plate BPG Heavy	3000 x 2000	45.5	ca. 221	on request	on request	ca. 160
Plate for heavy loads BPG Super Heavy	4000 x 2000	41	ca. 360	on request	on request	ca. 260
Plate for heavy loads BPG Super Heavy H	4200 x 2200	102	ca. 409	on request	on request	ca. 415

Large warehouse, available quickly – for pick-up or delivery!



BPG tread plates



Plates for heavy loads BPG



Floor protection plates

Accessories for shovels and pile drivers

Accessory kit for ICE shovels with driving technique

Vibrator 6 RFB with hydraulic unit

ICE bridge vibrators are efficient and high-performance hammers that operate at high amplitude. The easels are placed on the element to be driven in and are held in place by a cable crane. More of the vibrator, a crane and a hydraulic drive unit must be provided Complete kit including:

- with universal clamping clip 60 TU
- included pulley
- with 200 PP support stand included
- with set of pipes
- with hydraulic group



Fitting or SW
necessary for all
excavator equipment.

Armor hook / pusher



Video Crowbar

Lifting hook for lifting, pushing, or pulling loads up to 16 tons. High efficiency thanks to the built-in developer and compatible with different quick-attach systems: a versatile tool.

Available with adapter for OQ70 quick-change system.

type	Eyelet diameter (mm)	Load capacity (t)	Weight (kg)
OQ70 lifting hook	90	16	530





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***from road construction and civil engineering -
reliable, fast, fair, and competent***

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