

Site Equipment 2014/2015



made
in
Germany

Probst gets things moving –
innovative, efficient and ergonomic

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■ Site Equipment

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Product areas 1/2 – Paver laying and transportation/Joint filling and surface cleaning and 8 – Civil Engineering: Manhole and Pipe Laying available as separate leaflets.

3 Screeding





The complete system
for bedding creation

POWERPLAN PP Screeding Machine – Material distribution and perfect screeding all in one go

Whether sub-base, base or gravel (up to grain size 50), split, whether sand or even bedding material, the POWERPLAN PP from Probst takes on **installation of the relevant material in one go** (up to installation height 20 cm) – at absolutely accurate height.

Depending on height profile and kind of control system used, it is possible to screed per day between 2.500 sqm (27,000 sqft) using sonic control or up to 10.000 sqm (107,500 sqft) using laser control feature

- Fast loading by machine (Volume approx. 2.5 m³) from the front or side of the hopper with a maximum 2500 mm (98") bucket
- Front of hopper hydraulically operated
- Adjustable hopper sides
- Separately controlled left and right hopper exit flap

- Screeding profile working width adjustable between 2,050 mm (81") and 2,550 mm (100")
- Smoothing boards extensions width between 2,750 (108") – 3,450 mm (135")
- Precision, smooth adjustable holder for the sensors which are infinitely variable according to the working width between 2,100 mm (83") and 6,500 mm (256")
- Height control option via:
 - a. ultrasound sensor
 - b. laser sensors
 - c. inclination sensor
- Weather protection roof (optional)

Optional extra equipment:

Laser Set LXS, Remote Control FS-LXS, Telescopic Leveling Post TL-LXS and Tripod for Laser transmitter ST-LXS, Slope Sensor, Foldable and detachable sun/rain roof, Reversing Alarm and Flashing Beacon.



Use in sports ground construction

Principal advantages:

- Maximum accuracy
- Saving on the expensive material for top bedding through precise sub-base installation
- High area coverage

Type	Description	Dead Weight kg (lbs)	Payload kg (lbs)	Power (kW)	Order- Number
PP	Screeding Machine	approx. 2.500 (5,500)	approx. 3,000 (6,600)	26,5	5130.0001
Principally required for operation of the POWERPLAN PP:					
S/US-PP	Levelling Kit: 2 x regulator, 2 x ultrasonic sensor, cable set, case				4130.0005

NEW!
Model available with hydraulic folding shovel



LK-2200-ULTRA

LEVELKING LK Screeding Attachment – Fully automated and accurate creation of sub-base and top bedding

As against conventional screeding blades the LEVELKING work with **integrated smoothing board**. With this function it is possible to screed **not only the subbase, rather the top bedding** for paver laying. The LEVELKING screed fully automatic controlled, accurate, fast and efficient (**with no multiple transits**) and is a real alternative to our well-known POWERPLAN PP.

The LEVELKING is attachable to wheel loaders, skid-steer- and telescopic loaders. The special advantage is the already integrated „floating position“. There is no need for this function for the carrier machine.

Applications: construction for streets, alleys and paver laying. Screeding of hall floors, sports- and industrial areas.

- Hydraulic adjustment of the side wings via joystick
- High precision control of all functions by proportional valves

Type	Description	Working Width mm (in)	Dead Weight kg (lbs)	Order-Number
LK-2200	Basic version without Sonic Sensor and without Side-Shift-function 2 Laser Sensors incl. hard case 1 Two Axle Inclination Sensor 1 Machine Control and control box inc. all cables, 2 hydraulic hoses	2,200 (86½")	830 (1,830)	5130.0007
LK-2200-KS	As LK-2200 but with additional hydraulic folding shovel			5130.0008
LK-2200-ULTRA	Same as Basic Version, but additionally equipped with one Tri-Sonic Sensor LK-MUS-1300, with Side-Shift-Function	2,200 (86½")	840 (1,850)	5130.0009
LK-2200-KS-ULTRA	As LK-2200-ULTRA but with additional hydraulic folding shovel			5130.0010

- The shovel form can also be used to carry the material forward. Special advantage: no additional loader needed!
- The attachment is equipped with a universal flange plate for the connection. It fits to all common carriage plate sizes and profiles
- NEW: LK-2200-KS and LK-2200-KS-ULTRA** now with hydraulic folding shovel for even better material take-up and material distribution



Optional version:

Tri-Sonic Sensor LK-MUS-1300:

This sensor can be attached to the left or right side. The sensor fully-automatically controls the height as well as the relevant hydraulically pivoting side wings. Thus keeping the ultrasonic sensor in proper reference position (string or edge) and consequently compensates driving inaccuracies

Standard ultrasonic sensor LK-SH2:

in combination with the Tri-Sonic-Sensor left and right side heights can be controlled

Optional extra equipment:

Laser Set LXS, Remote Control FS-LXS, Telescopic Leveling Post TL-LXS and Tripod for Laser transmitter ST-LXS.



TAK-750

Telescopic Screeding Bucket TAK – Especially for mechanical use

The system consists of two side roller units which are adjustable in height attached to special aluminium profile components.

Thanks to the robust and extremely rigid design the aluminium profile is telescopic with an easily adjusted working width between 1,200 – 7,500 mm (47 1/4" – 295 1/4").

Several options are available for special applications and profiles. This means that very large areas can be set out and screeded very easily with just one pull of the machine.

Type	Description	Dead Weight kg (lbs)	Order- Number
TAK-750	Recommended professional model, consisting of: 1 each Aluprofile 1,100, 1,700, 2,700, 3,000 mm long, with integrated jam system. 1 set = 2 units height adjustable roller units with wipers, with handling system for operating with loader 1 pair = 2 units pulling chains, incl. hooks each working width between 1,200 mm and 7,500 mm can be achieved.	285 (630)	5100.0013
TAK-350	Basic model, as described above, only with 2 Alu-Segments each 1,700 mm long, achieving each working width between 1,750 mm and 3,500 mm	200 (440)	5100.0018
TAK-DP	Adjustable adapter to screed any roof or pan profile (+/- 3%), Length: 1,500 mm	22 (48)	4100.0042
TAK-DP-Prof	Consisting of 2 segments each 1,200 mm + 1,300 mm + 2,000 mm, 1 adjustable adapter for roof or pan profiles, 1 set of side parts and 1 pair of pulling chains	331 (730)	5100.0021

- Chain for pulling with loader included
- TAK-DP provides useful add-on elements for screeding roof and pan profiles



The universal all rounder for large and small construction sites



TAS-UNI-450

Telescope Screeding System TAS-UNI – Picks up huge amounts of material for distribution

With a working width from 750 to 6,000 mm, the TAS-UNI telescopic screeding system is ideally suited to large and small construction sites. For hand operation the TAS can be easily pulled by means of standard shovels while standing in comfortable upright position.

For machine work the chains are included as standard.

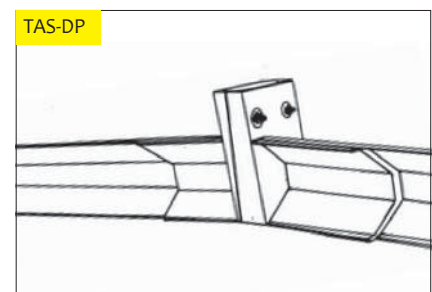
Thanks to the clever design of high quality aluminium profiles with protruding cutting grooves it keeps enough pressure to the ground regardless if pulled by man or machine. Hence screeding can be done quickly and cleanly in just one operation. The practical technical details like telescopic aluminium profiles and height adjustable side roller units are handy and convincing.

Type	Description	Working Width mm (in)	Dead Weight kg (lbs)	Order-Number
TAS-UNI-450	Recommended basic configuration: 1 Aluminium-Profile each of 750, 1,000, 1,750, 2,000 mm long (30", 40", 69", 80") with integrated clamping adjustment 1 set = 2 side positioned, height-adjustable roller units with metal steps and sheet-metal wipers with integrated fastener for the required segments with hook-in-system for shovel 2 pulling chains, incl. hooks	750 – 4,500 (29½" – 177")	78 (170)	5100.0042
TAS-UNI-600	Standard configuration as above, plus 1 Alu-Profile 3,000 mm long	750 – 6,000 (29½" – 236")	100 (220)	5100.0043
TAS-DP	1 adjustable adapter for roof and pan profiles (+/- 4%) 2,100 mm long (7 feet)		25 (55)	4100.0173

- The profile height of 280 mm (11") allows to take off and distribute enormous quantities of material
- Working widths from 750 mm to 6,000 mm depending on the design can be telescopically adjusted infinitely variably with clip adjusters – no raster widths!
- Height adjustment via hand crank and roller unit (0 to 250 mm / 0-10") with scale
- Spring loaded sliding metal sheet on the sides
- Side cleaners for profiles/kerbs

Optional extra equipment:

TAS-DP, adjustable adapter for the creation of roof and pan profiles ($\pm 4\%$), with adjustment indicator



TAS-DP

Hand screeding systems for 1-man and 2-man operation



EP-UNI-Set-230/300

EASYPLAN EP-UNI Handscreeding System – The complete system for the broadest range of working widths

The EP-UNI is an optimal hand-tool for an economical performance of smaller and medium-sized sites.

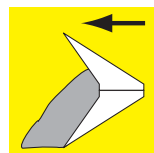
Screeding without force **just by using your body weight**.

- Variable screeding length minimized dead weight, enormously rigid aluminium profile which produces the necessary pressure to the ground
EP-UNI-Set 90/230 telescopic adjustable from 900 to 2,300 mm (35 1/2" – 91")
EP-UNI-Set 230/300 telescopic adjustable from 2,300 to 3,000 mm (91" – 118")
- The patented design of the handles gives an optimized ergonomically working position

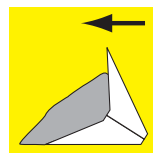
Type	Description	Working Width mm (in)	Dead Weight kg (lbs)	Order-Number
EP-UNI-Set-90/230	Consisting of: 1 Alu-Profile each 900 mm and 1,600 mm 1 handle 2 telescopic units each 350 mm	900 bis 2,300 (35½" – 91")	15 (33)	5100.0040
EP-UNI-Set-230/300	Consisting of: 1 Alu-Profile 2,300 mm 1 three-dimensional handle 2 telescopic units each 350 mm	2,300 bis 3,000 (91" – 118")	15 (33)	5100.0041
EP-UNI-RS ^o	Set of Roller Units for EP-UNI (can be added later)		7 (15)	4100.0165

- Foldable, compact transportation measurements
- Efficient screeding of areas with different inclinations by using standard screed rails

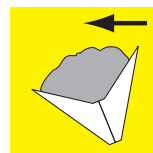
Optional extra equipment:
Set of Roller Units for EP-UNI, height adjustable to adjust the screeding height from kerb stones or paving blocks



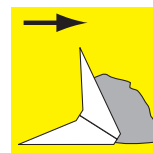
Precise screeding



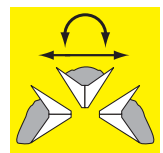
Material distribution



Material transport



Pushing material



Pull in both directions

^o Durable surface protection by galvanizing



TP-150/260 with HG-TP

TELEPLAN TP Handscreeing System – For small and medium-sized bedding areas

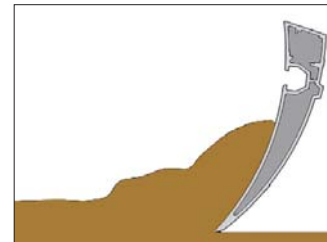
The new TELEPLAN TP aluminium profile is sickle shaped. As a result the profile cuts itself into the bedding material and does not move upwards. **No need for executing any force to push it down when pulling.**

- Height adjustable arm and holder for handle on the left and right side as standard
- Integrated level indicator
- Telescopic profiles width adjustment depending on version:
600/1,000 mm (24"/39");
1.000/1,650 mm (39"/65");
1.500/2,600 mm (59"/102");
2.000/3,500 mm (79"/138")

Type	Number of	Working Width mm (in)	Dead Weight kg (lbs)	Order-Number
TP-60/100*	1 piece	600 – 1,000 (24" – 39")	3,7 (8.2)	5101.0006
TP-100/165*	1 piece	1,000 – 1,650 (39" – 65")	4,6 (10)	5101.0001
TP-150/260*	1 piece	1,500 – 2,600 (59" – 102")	6,0 (13)	5101.0002
TP-200/350*	1 piece	2,000 – 3,500 (79" – 138")	7,3 (15)	5101.0003
HG-TP ^①	1 pair		2,4 (5)	5101.0005

Optional extra equipment:

Handle HG-TP: Set of 2 pulling handles, allowing relaxed and ergonomically correct body position standing upright and not kneeling in the wet sand. Handles HG-TP can easily be fixed through plug-in connectors to the side parts



Sickle-shaped profile cuts the material accurately and prevents the TELEPLAN from running upwards.

① Durable surface protection by galvanizing. *Side parts ST-TP already included.

Screeding at the correct level – with the practical aids from Probst

3

SCREEDING

AZL screeding rails from Probst – robust, practical, well thought out

Hollow profiles for accurate guidance of screeding systems. Set at the desired level, they allow easy and clean screeding.

- Generally fitted with undetachable plug system
- **AZL-EP:** galvanised steel tubes for hand screeding system
- **AZL:** Aluminium special profile, offers high strength, corrosion resistance and low deadweight
- Patented and practical: tapered connectors, no twisting and misalignment (not with AZL-S)
- **NEW: AZL-S.** Cost-effective alternative in hot-galvanised steel



AZL and AZL-S with integrated connectors



Type	Number of Parts	Total Length m (feet)	Dead Weight kg (lbs)	Order-Number
AZL-Set-20	6 x 3 m, 2 x 1 m	20 (66)	40 (90)	5100.0039
AZL-Set-24	6 x 3 m, 2 x 2 m, 2 x 1 m	24 (79)	48 (115)	5100.0014
AZL-Set-60	12 x 4 m, 4 x 2 m, 4 x 1 m	60 (197)	120 (265)	5100.0015
AZL-EP-Set ^①	2 x 1,5 m, 4 x 2,5 m, 4 x 3 m	25 (82.5)	41 (90)	5100.0057
AZL-S-Set-20	10 x 2 m	20 (66)	88 (194)	5100.0082
AZL-S-Set-60	12 x 4 m, 4 x 2 m, 4 x 1 m	60 (197)	260 (573)	5100.0081



Type	Working Width mm (in)	Adjustable height stop mm (in)	Dead Weight kg (lbs)	Order-Number
MP-70-HV	700 (27 1/2")	45 – 170 (1 1/2 – 6 3/4")	2 (4)	5101.0007
MP-70	700 (27 1/2")	without height adjustment	1,7 (3.7)	5101.0004
HV-MP ^①		45 – 170 (1 1/2 – 6 3/4")	0,3 (0.7)	4101.0039

MINIPLAN MP Sliding Finisher – Small, handy and very effective

Small and handy, however a smart complement even for bigger job sites. With the MINIPLAN MP-70 one can e.g. distribute material, screed, minor adjustments and lots more.

- Ideal for: small reworking and subsequent connections to the bedding as well as work around drains
- Aluminium hollow profile, very lightweight, 700 mm long
- Robust, lightweight hardwood handle
- Sturdy holder for handle fixed to the profile

Optional extra equipment:

Height Adjustment HV-MP can also be fitted subsequently to an existing MP-70.

Simple attachment to the aluminium profile either right- or left-hand.

^① Durable surface protection by galvanizing

4 Professional Tools





Saving time and energy: lay, align and repair interlocking blocks simply & easily

Paving Block Extractor SZ – the only one with locking mechanism

Indispensable for anyone who lays pavers or is responsible for their maintenance.

- No need to constantly squeeze lever handles when pulling the block
- With sharp, profiled and hardened spring steel blades
- Can be employed for all paver shapes and sizes
- Also suitable for paving slabs that are already sanded in

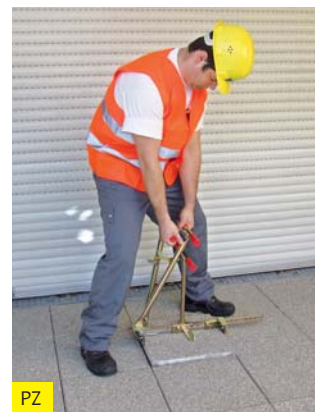
Type ❶	Gripping Range W mm (in)	Dead Weight kg (lbs)	Order-Number
SZ	90 – 330 (3 1/2 – 13")	4 (9)	5180.0030

Paver Lifter SAH – the paver extractor’s “faster” brother

With a relaxed posture, lift out individual slabs in uncompacted paving easily, with no back strain and extremely quickly.

Range of applications: inserting marker blocks and removing damaged blocks.

Type	Gripping Range W mm (in)	Dead Weight kg (lbs)	Order-Number
SAH ❶	90 – 400 (3 1/2 – 15 3/4")	4.9 (11)	5180.0050
PZ ❶	200 – 610 (7 3/4 – 24")	6 (13)	5320.0006
SZ-Set	consisting of Paving Block Extractor SZ, Extraction Foot Lever AHW, Combination Hammer KH		5180.0048
Spare blade for SZ/SAH short per piece			4180.0001
Spare blade for SZ/SAH long per piece			4180.0003



Slab Extractor PZ

- Same design as the paver extractor, but with a larger handle area



Type	Dead Weight kg (lbs)	Order-Number
AHW Extraction Foot Lever ❶	1.5 (3.3)	4180.0036
KH Combination Hammer	0.8 (2)	4180.0037

Extraction Foot Lever AHW – using the leverage effect

- Simply insert the rocker end under the SZ. Press down on the other end with your foot, and sand filled components can be easily extracted
- Including two spare blades and a steel brush to clean the blade profile and improve its grip

Combination Hammer KH – for hard and soft blows

- The hammer’s steel side: To drive the SZ blade into the joint
- Plastic side: To hammer adjacent pavers and release the one being extracted

❶ Durable surface protection by galvanizing

Alignment Bar RE – the paver slider

The contractor demands precise joints. This is why they must be aligned prior to compacting.

The RE allows work to be performed noticeably more quickly than with conventional screwdrivers, spades, trowels, etc.

- Replaceable, hardened spring steel blade
- Foot bar and hammer surface for driving into the joint
- Offset handles for improved tool guidance

Type ^①	Dead Weight kg (lbs)	Order-Number
RE	1.5 (3.3)	5180.0011



Multiple Alignment Bar MRE: For faster work on larger surfaces

The “turbo accelerator” for alignment work:

- Instead of merely shifting a single row of pavers, this tool allows 4 to 5 rows to be shifted simultaneously
- With four, interchangeable, rugged, sharp-edged splayed blades made of hardened spring steel
- The remaining equipment is the same as for the RE

Type ^①	approx. Working Width mm (in)	Dead Weight kg (lbs)	Order-Number
MRE	650 (25 1/8")	5 (10)	5180.0045
Spare blade for RE/MRE per piece			4180.0002

Rubber Hammer GH – lightweight with a long handle to promote ergonomic posture

Uncompacted pavements can be quickly and easily aligned along their edges.

- Light-weight, available with long or short handle
- High resistance, rubber/metal elements can be quickly replaced
- Hammer remains upright on its own when put down

Type	Length of handle mm (in)	Dead Weight kg (lbs)	Order-Number
GH	800 (31 1/2")	2.2 (5)	5180.0012
GH-K	400 (15 3/4")	1.8 (4)	5180.0051
Rubber cover for GH/GH-K per piece			4180.0006
Paver Set consisting of Paving Block Extractor, Alignment Bar and Rubber Hammer GH			5180.0014



^① Durable surface protection by galvanizing

Measuring and monitoring are essential – Probst marking tools

FLEXMARKER-KIT FMK

Complete system for planning, designing and labelling a free choice of curve shapes and heights.

Creating dynamically shaped paths without visual interruptions.

- **Work mode 1:** The connectable fiberglass rods can be securely fixed on the existing pavement with the fixing claws. The curve can be marked by spray paint or chalk (e.g. PAVERMARKER PM of Probst). Weighted by paving stones, the claws are immovably fixed.
- **Work mode 2:** For paths and bed edges, the so-called one-liner, are laid in dry concrete. For that purpose the FLEXMARKER-KIT FMK can be fixed at the pins with the binders. It doesn't only show the curve, it also shows the vertical profile.

Type	Specifications	Dead Weight kg (lbs)	Order-Number
FMK	Consists of: 10 fiberglass rods, 5 fixing claws and 10 binders	2.7 (6)	5180.0074



Plump Line Fixture RSH

- For precise guidance of the plumb line in vertical and horizontal direction in combination with a pin extractor
- Enormous time-savings for preparation of straight lines and right angles
- Easy readjustment
- Suitable for pins w/diameter of 5 – 20 mm

Type	Specification	Dead Weight kg (lbs)	Order-Number
RSH	Set consisting of: 1 clamping joint, 2 wing nuts and 1 cross rod with a length of 500 mm	0.8 (2.0)	5180.0081

● Durable surface protection by galvanizing



Pin Extractor ENZ

- When lifting, the ENZ's hardened teeth mesh, so that the pin is simultaneously twisted and extracted
- Simple but highly efficient tool extracts any pin without bending it

Type	Suitable for Diameters mm (in)	Dead Weight kg (lbs)	Order-Number
ENZ	10 – 30 (1/2 – 1 1/4")	0.8 (2)	5180.0038



Measuring and Marking Tool MAL – so it fits right, the first time

An essential tool for precise measurement and marking of paving stones and panels, along lengths and around angles.

- Time savings of at least 400 to 600 % during marking

Type	Dead Weight kg (lbs)	Order-Number
MAL	0.5 (1.1)	5180.0026



PAVERMARKER PM

The smart marker for horticulture and landscaping.

- Marks nearly all materials with a constant line thickness, perfect for pavers
- Suitable for dry and wet surfaces
- Unbreakable – embedded with glass fibres
- Wear-resistant, one PM marks thousands of paving stones

Type	Dimensions mm (in)	Packaging unit	Order-Number
PM	120 x 30 x 2 (4 3/4" x 1 1/4" x 1/4")	Pieces 5	5180.0069

QUICKDRAW QD – transfer contours and spacing to the paver surface

- The perfect base for exact cuts of marked pavers
- Particularly effective for “soldier course” laying with right-angle pavers along borders

Type	Specification	Dead Weight kg (lbs)	Order-Number
QD	incl. wax crayon and felt crayon	1.8 (4)	5180.0034



Crooked joints and angles are now things of the past

4

PROFESSIONAL TOOLS

STRINGTIGHT SB – The simple stringing aid

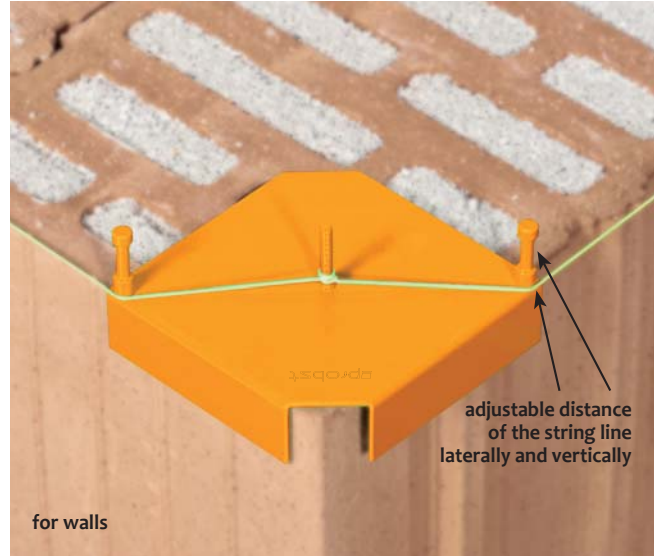
Straight and square edges are required when installing paving stones, kerbs, slabs and bricks.

Conventional plumb lines often catch against the stone thus not giving an accurate straight line reading.

The STRINGTIGHT SB provides a clearance of approx. 4 – 5 mm between stone and string line – giving great results every time

- The practical tool for paver laying and masonry work
- Made of robust steel, powder coated
- Adjustable distance of the string line laterally and vertically
- With string line take-up and functional slot to place a level on

Type	Specifications	Dimensions mm (in)	Order-Number
SB	The kit contains 2 metal brackets, 1 roll of Nylon line: thickness 1,4 mm with a length of 100 m	120 x 120 (4 3/4 x 4 3/4")	5180.0071



Aluminium Angle AW

Pavers are to be laid and aligned at right angles to the borders.

- AW-200: Adjustable angles 45°, 60°, 90°
- AW-60: Operating angles 45° and 90°
- Can be folded into a compact unit

Type	Side Length mm (in)	Dead Weight kg (lbs)	Order-Number
AW-200	2,000 x 2,000 (79" x 79")	6.5 (14)	5180.0018
AW-60	600 x 600 (24" x 24")	0.6 (1.3)	5180.0052

Everything in hand – with the hand installation tools from Probst

PAVERBOY PB

PB-I – the traditional method for installing H-pavers

Lay two H-blocks easily and seamlessly with one hand.

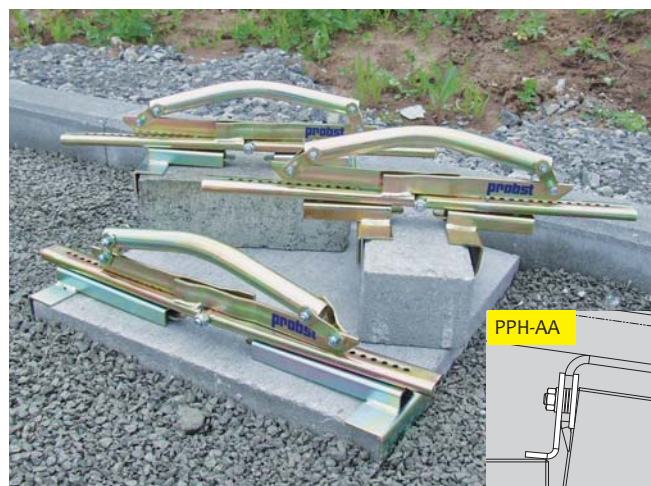
- Clamping force is generated simply by lifting
- Two stones can be removed from the pallet
- Time-saving and effortless work

PB-15/24 – the professional aid for large-sized paving stones

- Spring-steel blades on either side to allow stones tightly packed on pallets to be easily removed
- **PB-15/24-L:** With long handles, achieve effortless repositioning of key stones without bending during machine installation



Type ①	Gripping Range W mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
PB-I	100 – 170 (4 – 6 ¾")	10 (22)	1 (2.2)	5180.0001
PB-15/24	150 – 240 (6 – 9 ½")	10 (22)	1 (2.2)	5180.0004
PB-15/24-L	150 – 240 (6 – 9 ½")	10 (22)	2 (4.4)	5180.0079



Profi-Slab Handle PPH

For efficient, seamless laying of concrete and natural stone panels.

- Large adjustment range, with interchangeable clamping jaws
- PPH-S-7/62 available as a set comprising 3 sets of clamping jaws
- PPH-AA retrofittable load adapter for quicker application

Type ①	Gripping Range W mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
PPH-7/37	70 – 370 (2 ¾ – 14 ½")	60 (130)	1.5 (3.2)	5320.0053
PPH-19/50	190 – 505 (7 ½ – 20")	60 (130)	1.5 (3.2)	5320.0052
PPH-30/62	300 – 620 (10 – 24")	60 (130)	1.5 (3.2)	5320.0054
PPH-S-7/62	70 – 620 (2 ¾ – 24")	60 (130)	3 (7)	5320.0055
PPH-AA			0.1 (0.2)	4320.0079

Brick Handles KKT

Reliable gripping tool for manual transport of bricks.

Type ①	Gripping Range W mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
KKT	400 – 670 (15 ¾ – 26 ½")	50 (110)	1.5 (3.2)	5180.0025



Turf Stone Handles RVH

Used in pairs, specially designed to fit 100 x 100 mm gaps. (Other dimensions available on request)

Type ①	Dead Weight kg (lbs)	Order-Number
RVH (Pair)	3 (6.5)	5180.0021

- ① Durable surface protection by galvanizing



AL-33

Type	Splitting force t	Blade rigid	flexibel	Cutting Length mm (in)	Cutting Height mm (in)	Dead Weight kg (lbs)	Order-Number
AL-33		x		330 (13")	10-120 (1/2-5 3/4")	40 (88)	5120.0001
AL-43		x		430 (17")	10-120 (1/2-5 3/4")	60 (130)	5120.0002
AL-43/U		x		430 (17")	10-300 (1/2-11 3/4")	65 (145)	5120.0003
AL-65		x		650 (25 1/2")	10-120 (1/2-5 3/4")	80 (175)	5120.0004
AL-33/S			x	50-320 (2-5 1/2")	10-135 (1/2-5 3/8")	70 (155)	5120.0010
AL-43/S			x	180-430 (7-17")	10-135 (1/2-5 3/8")	75 (165)	5120.0011
AL-65/U		x		650 (25 1/2")	10-300 (1/2-11 3/4")	87 (190)	5120.0006
AL-43-SH-14	14		x	180-440 (7-17 1/4")	10-200 (1/2-8")	125 (275)	5120.0035
AL-43-H-21	21	x		50-440 (2-17 1/4")	10-200 (1/2-8")	125 (275)	5120.0038

Hydraulic Stone Cutter AL-(S)H

Split stones electro-hydraulically, at the touch of a button.

- Integrated battery with charger unit
- Available with a fixed (for pavers with a more than 4 mm thickness difference) or flexible blade made of hardened metal (for height differences of less than 4 mm)

Mechanical block cutter AL/S

With segmental cutting teeth – able to cut through clay bricks and natural stones. The hardened carbide cutting teeth are flexibly spring-loaded. Height differences up to 4 mm can be overcome.

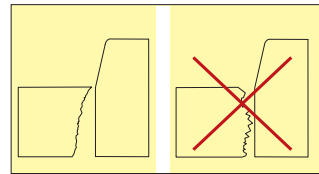


Cut edges cleanly with the block cutters from Probst

Mechanical slab and block cutter AL with fixed blades

A clean cut can frequently replace expensive work with stone saws. This cutter is very effective for improved productivity.

- Clean cuts thanks to precisely guided rectangular blades
- /U versions also suited for kerb stones up to a height of 300 mm
- Tilting support table to allow undercuts for precise fits without large, irregular gaps



AL-43-SH-14

Radial Cut Adapter RSA – ingeniously simple, professional radial cuts

Transforms any commercial stone cutter into a radial cutter.

- Junctions around manhole covers (exterior diameter, approx. 700 to 800 mm)
- No additional fastening needed: simply mount the RSA between the two blades on the block cutter

Type	Cutting Length mm (in)	Required inside width of the cutter mm (in)	Cutting Height mm (in)	Dead Weight kg (lbs)	Order-Number
RSA-25	250 (9 3/4")	355 (14")	50-100 (2-4")	4,5 (10)	4120.0016

5 Laying of Kerb Stones and Slabs



Vacuum Technology

Benefits:

Compared to mechanical grabs, vacuum technology provides substantial and numerous benefits in handling and installation of building materials.

1. Installation without joints
2. No edge cracks and chipping
3. Higher laying quality; easy removal and readjustment, such as a slab was placed too deep into the laying course

Porosity:

Failsafe function of the vacuum devices is decisively influenced and determined by the porosity of the elements. It is easy to imagine: if the incoming air from micro pores exceeds the capacity a vacuum pump or blower is able to exhaust, proper negative pressure between suction plate and construction material



cannot be built up. These kind of products are not suitable to be lifted with vacuum devices. Unlike the surface characteristics and finish, porosity is not apparent or visible to the observer.

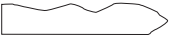
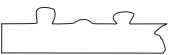
Specification Material/Product	Appropriate Device	Vacuum Generation via Vacuum Pump							Vacuum Generation via Vacuum Blower							
		Vacuum Hand Laying Systems				Vacuum Lifting Devices			Vacuum Hose Lifters							
		VH	VPH	VPE	MJ	SM	SH	SH TURBO	VPM	SPEEDY VS	QUICKJET QJ	POWER JET PJ	JUMBO-MOBIL JM	JUMBO BV VARIO	UNIPOSE UP	TRANS-MOBIL TM
Very dense /not porous: - granite - marble - „WET CAST“ (molded wet concrete)																
Dense /up to slightly porous: - miscellaneous natural stones - specific sandstones - limestone - single layer concrete stones, highly compressed, manufactured with a high content of water/cement																
Moderate porous: - smaller concrete slabs w/facing produced on block making machines																
Highly porous: - larger concrete slabs w/facing produced on block making machines - aerated concrete blocks - exposed aggregate surfaces																
Very highly porous: - drain concrete - single drain concrete	on request															

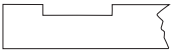
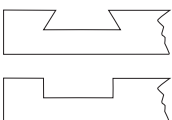
Marginal conditions, test set-up might be necessary prior to final decision making

Surface:

What really matters in practical application is not that much the surface finish but rather the porosity of the material.

1. Plane and smooth surfaces are optimal. 
2. Slight, not sharp-edged unevenness up to 5 mm is usually not a problem. 

3. Products with severe, not sharp-edged unevenness of approx. 8 to 10 mm can be handled with specific vacuum devices and corresponding sealing systems. 
4. Products with deep unevenness, such as exposed aggregate surfaces are easy to handle with vacuum devices operated by a vacuum blower. 

5. Sharp-edged products, with uneven and graded top up to approx. 3 mm are, if at all, solely be handled with vacuum devices equipped with a vacuum blower. 
6. Other surface characteristics on request. 

The powerhouse even for highly air-permeable materials

SPEEDY VS-140 Vacuum Hand Laying Device – the universal mega power device

When connected to a standard power outlet, the powerful vacuum turbine securely and quickly (within 0.5 seconds) adheres to even highly porous slabs and exposed aggregate surfaces.

- Individually height-adjustable handles, makes this suitable for installing steps; optimal body position (compact transport dimensions thanks to handles which can be completely folded away)
- Numerous interchangeable single and multiple vacuum suction plates with load bearing capacity of up to 140 kg; low total unit weight of only 18 kg

Optional extra: Lifting eye VS-140-EH with safety chain for risk-free lifting and handling.



SPEEDY VS-140



SPEEDY VS-140-XL

Type	Suction Plate Dimension mm (in)	Carrying Capacity* kg (lbs)	Dead Weight kg (lbs)	Order-Number
VS-140 ²	without suction plate	max. 140 (310)	18 (40)	5270.0007
VS-140-XL ²	without suction plate	max. 140 (310)	23 (51)	5270.0009
VS-SPS-50-30/25	oval 300 x 250 (11 3/4" x 9 3/4")	50 (110)	1.4 (3)	4271.0013
VS-SPS-80-40/30	oval 400 x 300 (15 3/4" x 11 3/4")	80 (175)	2.0 (4)	4271.0008
VS-SPS-100-50/30	oval 500 x 300 (19 3/4" x 11 3/4")	100 (220)	2.5 (6)	4271.0012
VS-SPS-140-70/30	oval 700 x 300 (27 1/2" x 11 3/4")	140 (310)	3.0 (7)	4271.0011
VS-140-EH	lifting eye with safety chain		2.0 (4)	4271.0090

² Also available in 110 Volt version

* Value at 200 mbar low pressure

SPEEDY VS-140-XL Vacuum Hand Laying Device

- With long handles for safe installation of slabs
- With lifting eye and safety chain for risk-free lifting and handling

UNIMOBIL UM – The mobile one-man vacuum hand laying device



UM-VS-140/SE-H

UNIMOBIL UM Laying dolly – The mobile all-rounder

Highly flexible manual installation system for all types of slabs. The basic version of the UM can be fitted with the following attachments, depending on installation requirement:

Mechanical Clamps:

Kerb Stone Handle VZ-I

Vacuum Technology:

VACUUM-POWER-HANDY VPH

STONEMAGNET SM-400 Vacuum Lifting Device

SPEEDY VS-140 Vacuum Hand Laying Device and

SPEEDY VS-140/SE-H with integrated generator

Type ^①	Load pick-up	Power	Gripping Range mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
UM basic version				150 (330)	40 (90)	4272.0235
UM-VZ-I	mechanical grab		500 x 1,045 (19 3/4" x 41")	100 (220)	46 (100)	5274.0015
UM-VPH	Vacuum			see suction plate	49 (110)	4274.0014 + 4271.0001
UM-SM	Vacuum			see suction plate	99 (220)	4274.0011 + 5272.0002
UM-VS-140	Vacuum	230 V, 50 HZ		see suction plate	64 (140)	4274.0012 + 5270.0007
UM-VS-140/SE-H (230)	Vacuum	230 V, 50 HZ		see suction plate	84 (185)	4274.0012 + 5270.0007 + 5250.0240 + 4272.0238

- Installation work – brilliantly simple: The empty suction plate is lifted up by the boom using a gas pressure ram; when the products are lifted from the pallet the machine will automatically reload the gas ram when the boom is lowered down



UM-SM

UNIMOBIL UM-SM Laying dolly – The mains-independent mobile all-rounder of hand laying systems

UNIMOBIL UM basic version combined with the handy STONEMAGNET SM-400 Vacuum Lifting Device.

- Power-independent, works with no annoying cables
- Very low noise emissions
- No odour nuisance from petrol fumes

Optional extra: Multiple suction plates

① Durable surface protection by galvanizing

The powerhouse for large-sized slabs

QUICKJET QJ-600-E Vacuum Lifting Device – for even highly porous elements

Large-sized and extremely air-permeable slabs with highly decorative surfaces are becoming increasingly popular. No problem for Probst's QUICKJET – it ensures fast and secure installation!

- Powerful electric drive blower; power supplied via either a mains electric cable or an integrated generator (optional)
- Can be used with any hoist
- Optimal security thanks to quickly mountable safety chain
- Primary vacuum suction plate ESP 120-38/38 is permanently attached to the QJ; additional vacuum suction plates can be mounted within minutes, using a quick release system

Optional extra: The QJ-RS wheelset gives the QUICKJET mobility on 2 wheels and saves on one operator.

Type	Description	Power Single Phase	Carrying Capacity* (depending on the suction plate used) max. kg (lbs)	Dead Weight kg (lbs)	Order-Number
QJ-600-E ^①	incl. Suction plate 120 kg (without generator)	electric 230 V, 50 Hz	600 (1,320)	41 (90)	5240.0033
QJ-RS ^①	Wheelset for QUICKJET			15 (33)	4242.0083
SE-H Generator	Honda EU 20 i, 230 V 50 Hz petrol engine			21.5 (47)	5250.0240
SE-K Generator	Kipor IG 2000, 230 V, 50 Hz petrol engine			23 (51)	5250.0242

² Also available in 110 Volt version



5
LAYING OF KERB STONES AND SLABS

Type ^①	Suction Plate Dimension mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
QJ-ESP-320-59/59	590 x 590 (23 1/4" x 23 1/4")	320 (719)	13 (30)	4242.0009
QJ-ESP-400-98/48	980 x 480 (38 1/2" x 19")	400 (880)	19 (40)	4242.0018
QJ-ESP-600-78,5/78,5	785 x 785 (30 3/4" x 30 3/4")	600 (1,320)	22 (50)	4242.0010
QJ-ESP-350-151/29	1.510 x 290 (59" x 11 1/2")	350 (772)	18 (40)	4242.0022
QJ-ESP-170-90/25	900 x 250 (35 1/2" x 9 3/4")	170 (375)	13 (30)	4242.0031
QJ-ESP-250-90/35	900 x 350 (35 1/2" x 13 3/4")	250 (552)	14 (31)	4242.0029
QJ-ESP-500-140/40	1.400 x 400 (55" x 15 3/4")	500 (1,102)	21 (46)	4242.0024

Other suction plates / special suction plates on request.

MICROJUMBO-JET MJ-J Vacuum Slab Layer

Efficient and accurate installation of small-sized and lightweight slabs – this is the optimum application enhancement for the vacuum devices QUICKJET QJ-600-E, POWERJET PJ-1650 and SPEEDY VS-140.

- MJ-J-I for 1-man operation or MJ-J-II for 2-man operation are connected through a supply hose with GEKA coupling
- Suction plates with various carrying capacities, shapes and designs are available for attachment in modular system

Type ^①	Dimension Suction plate mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
MJ-J-I	225 x 225 (9" x 9")	50 (110)* 25 (55)**	7 (15)	5260.0011
MJ-J-II	440 x 250 (17 1/4" x 9 3/4")	100 (220)* 50 (110)**	16 (35)	5260.0012

* Value at 400 mbar low pressure. ** Value at 200 mbar low pressure.



MJ-J-I



MJ-J-II



^① Durable surface protection by galvanizing



Use vacuum lifting devices for installing without straining your back

STONEMAGNET SM-400 – Over 10 years as the tried and tested, battery-operated vacuum installation device

Easy to use, durable, independent with own power supply – the universal unit with a load bearing capacity of up to 400 kg. Flexible, fast and secure installation of primarily vacuum-dense elements, e.g. such as granite.

- Powered by rechargeable, exchangeable 12 V battery. Power saving control system makes battery lasting for one whole working day. Battery can be exchanged within seconds. Battery charge indicator
- Can be used with any hoist
- Vacuum suction plates can be simply and easily replaced without tools
- Handles on either side for secure guidance (standard)

Optional extra: SM-BB Operating handle

Type	Suction Plate Dimension mm (in)	Carrying Capacity* kg (lbs)	Dead Weight kg (lbs)	Order-Number
SM-SPS-90-30/20	approx. 300 x 200 (11 3/4" x 7 3/4")	90 (200)	5.0 (10)	4272.0009
SM-SPS-200-58/28	approx. 580 x 280 (22 3/4" x 11")	200 (440)	9.0 (20)	4272.0001
SM-SPS-400-75/27	approx. 750 x 270 (29 1/2" x 10 1/2")	400 (880)	10.0 (25)	4272.0002

Type	Description	Power	Dead Weight kg (lbs)	Order-Number
SM-400	Basic device, without suction plate	by 12 V battery	35 (78)	5272.0002
Battery-12V/26Ah	Spare storage battery, 24 Ah, 12 V			2420.0008
LG Battery charging device 220V/12V	Battery charging device w/overload protection and charging current limiting. Housing is water and dust-proof.			2420.0016
SM-BB	Operating handle also for retrofitting			4272.0063

Vacuum Lifting Device SH-1000-MINI – Optional sources: powered electrically, hydraulically or by integrated petrol engine

For efficient and safe handling and laying of heavy loads up to 1,000 kg, such as granite slabs, dense concrete elements, marble slabs, kerb stones, steps, pipes etc.

- Can be hooked in to any carrier or laying machine VM by means of load hook, chain, hoisting cable or similar
- All-purpose lifting device · One-man operation
- By means of rapid change fasteners different suction plates can be attached to the SH within seconds for varying kinds of applications, various slab dimensions and weights
- Operating handles are arranged in ergonomic position for convenient direction and handling. Handles can easily be rearranged into a rack to put down the device on the ground properly

SH-1000-MINI-E



Type	Power	Carrying Capacity (depending on the suction plate used) max. kg (lbs)	Dead Weight kg (lbs) (without suction plate)	Order-Number
SH-1000-MINI-H	hydraulic	1,000 (2,200)**	91 (200)	5240.0019
SH-1000-MINI-B	integral petrol engine	1,000 (2,200)**	90 (200)	5240.0018
SH-1000-MINI-E	electric, 230 Volt, 50 Hz, single phase	1,000 (2,200)**	89 (195)	5240.0020

● Durable surface protection by galvanizing

* Value at 500 mbar low pressure. ** Value at 600 mbar low pressure.

Whether heavy or awkward – it is easier with vacuum

Vacuum Lifting Device SH-2500-UNI – The classic

- Having been designed specifically for harsh construction site use, this classic has proven itself on countless construction sites worldwide
- Powered completely independently by an integrated petrol engine or simply connected to the mains with an electrical cable
- Suitable for predominantly suction-proof concrete and natural stone elements
- Vacuum plate seals washers with no bonding can be replaced in minutes without gluing – simply take off the old seal and put on the new one
- Wear-resistant sponge rubber seal, adapts perfectly even to severely uneven surfaces

Optional extra: MICROJUMBO Vacuum Slab Layers (refer to page 28) and RS Wheelset

Type	Power	Carrying Capacity* kg (lbs)	Dead Weight (without suction plate) kg (lbs)	Order-Number
SH-2500-UNI-E	electric, 230 Volt single phase	2,500 (5,500)	96 (210)	5240.0012
SH-2500-UNI-B	petrol engine 2,9 kW	2,500 (5,500)	100 (220)	5240.0011
RS Wheelset	for all models SH-2500-UNI			4250.0071
Remote Control for gripping and releasing				on request



Illustration above: Installing deck stones with a special suction plate

Vacuum Lifting Device SH-2500-UNI-B-TURBO – When the stone becomes more porous

- Like SH-2500-UNI-B but with a stronger vacuum pump, suitable for more air-permeable material

Type	Power	Carrying Capacity* kg (lbs)	Dead Weight (without suction plate) kg (lbs)	Order-Number
SH-2500-UNI-B-TURBO	petrol engine 4,0 kW	2,500 (5,500)	110 (242)	5240.0023
Remote Control for gripping and releasing				on request

* Value at 600 mbar low pressure.

Carrying
Capacity to
1,650 kg



Type	Power	Carrying Capacity* kg (lbs)	Dead Weight kg (lbs) (without suction plate)	Order-Number
PJ-1650-B ①	petrol engine 6,6 kW	1,650 (3,650)**	132 (290)	5240.0036
PJ-1650-H ①	hydraulically	1,650 (3,650)**	117 (258)	5240.0038
PJ-RS ①	Transport trolley for PJ-1650-B and -H		20 (44)	4240.0497
PJ-B-FFS	Radio remote control for suction release for PJ-1650-B			4240.0502
PJ-B-HAE	hydraulic release device, carrier has to provide one separate hydraulic circuit for proper connection. Inclusive Hydraulic hose.		for operation w/ VM-401/301/203	4190.0122
			for operation w/excavator	4190.0123

VACUUM-POWER-MAX VPM-2500 Vacuum Lifting Device

- Suitable for slightly porous concrete and natural stone elements up to 2,500 kg
- Fully automated switching from “suction” to “loosening” in 2-stroke by means of “raising” and “lowering”
- Preferably used with a hydraulic rotary head, the digger driver can install alone with this solution
- Version for attaching to construction machines and version for attaching to paver installation machines VM-301, VM-203, VM-204 and VM-401 available

Type ①	Description (inclusive)	Power	Carrying Capacity*** kg (lbs)	Dead-Weight kg (lbs)	Order-Number
VPM-2500-H **** (for excavators)	automatic release, battery-driven warning device with flashing light, extended, foldable handles	hydr- a- u- l- i- c	max. 2,500 (5,500) depending on suction plate	185 (410)	5241.0002
VPM-2500-H **** (for Paver Installation Machines VM)	automatic release, short, foldable handles	hydr- a- u- l- i- c	300 (660) w/coun- ter-weight 350 (770) depending on suction plate	182 (400)	5241.0004

① Durable surface protection by galvanizing

With these vacuum lifting devices, even air-permeable concrete materials have no chance

POWERJET PJ-1650 Vacuum Lifting Device

The high suction volume of the vacuum blower allows a high carrying capacity of 1,650 kg even with partially air-permeable stone slabs.

- With foldout handlebar
- Large-volume dust filter
- High safety features with integrated guard

PJ-1650-B: Powered by integrated petrol engine with electric start, with integrated manually operated suction release device. Optional features: radio remote control of the suction release device PJ-B-FFS or alternatively hydraulically operated suction release device PJ-B-HAE.

PJ-1650-H: Powered by the hydraulic system of the carrier, standard equipment includes hydraulically operated suction release device, the operator controls the activation and release of suction from the drivers seat.

Optional extra: MICROJUMBO Vacuum Slab Layers (refer to page 28) and Transport trolley PJ-RS

Carrying
Capacity to
2,500 kg



Suction plates SPS for Lifting Devices SH / POWERJET PJ-1650 and POWER-MAX VPM-2500

Type ①	Suction Plate Dimension mm (in)	Carrying Capacity*** kg (lbs)	Carrying Capacity** kg (lbs)	Order- Number
SPS-2500(1650)-143/78	1.430 x 780 (56" x 30 3/4")	2,500 (5,500)	1,650 (3,650)	5250.0239
SPS-1500(1000)-80/75	800 x 750 (31 1/2" x 29 1/2")	1,500 (3,300)	1,000 (2,200)	4240.0232
SPS-1200(800)-96/58	960 x 580 (37 3/4" x 22 3/4")	1,200 (2,650)	800 (1,760)	5250.0162
SPS-1010(670)-84/57	840 x 570 (21 1/4" x 22 1/2")	1,010 (2,230)	670 (1,480)	5250.0238
SPS-500(330)-67/40	670 x 400 (26 1/4" x 15 3/4")	500 (1,100)	330 (730)	5250.0002
SPS-400(260)-75/27	750 x 275 (29 1/2" x 10 3/4")	400 (880)	260 (570)	5250.0003
SPS-200(130)-37/37	370 x 370 (14 1/4" x 14 1/4")	200 (440)	130 (285)	5250.0005

More than 1.000 different suction plates are available.

* Depending on suction plate. ** Value at 400 mbar low pressure.

*** Value at 600 mbar low pressure. **** Without suction plate and attachments.

Brilliantly simple for dense concrete material or natural stone

VACUUM-HANDY VH – amazingly simple and super-practical for installing vacuum-dense slabs

The cost-effective alternative for the installation of vacuum-dense slabs. A vacuum valve is operated by a light finger movement, to lift or set down the slabs. The vacuum holding force is generated by simple downward pressure and subsequent lifting by hand.

VH-1/25:

- One-man operation for lightweight slabs and short transportation distance

VH-2/50:

- As VH-1/25, but equipped with screw-on type two-men handle instead of the one-men handle
- Especially suitable for more heavy loads and for transportation at longer distances by two men



Type ①	Suction Plate dimension Ø mm (in)	Carrying Capacity kg (in)	Dead Weight kg (lbs)	Order-Number
VH-1/25	280 (11")	25 (55)	5 (10)	5260.0009
VH-2/50	280 (11")	50 (110)	8 (18)	5260.0010
VH-2-HG Two-men handle			3 (7)	4260.0155

VACUUM-POWER-HANDY VPH – independent on current supply

- Comfortable handle designed for two-man operation. Height and width adjustments to always permit operation in the most ergonomically correct body position
- Vacuum pump unit, with battery charge indicator, On/Off switch (the entire unit can be removed). Power via rechargeable 12 Volt battery; automatic power saver mode; one charge lasts an entire day of installation without recharging
- Seal can be replaced in a minute without the need for adhesive or tools
- Ideal for all vacuum-dense slabs, such as granite, wetcast concrete, etc.

Optional extra:

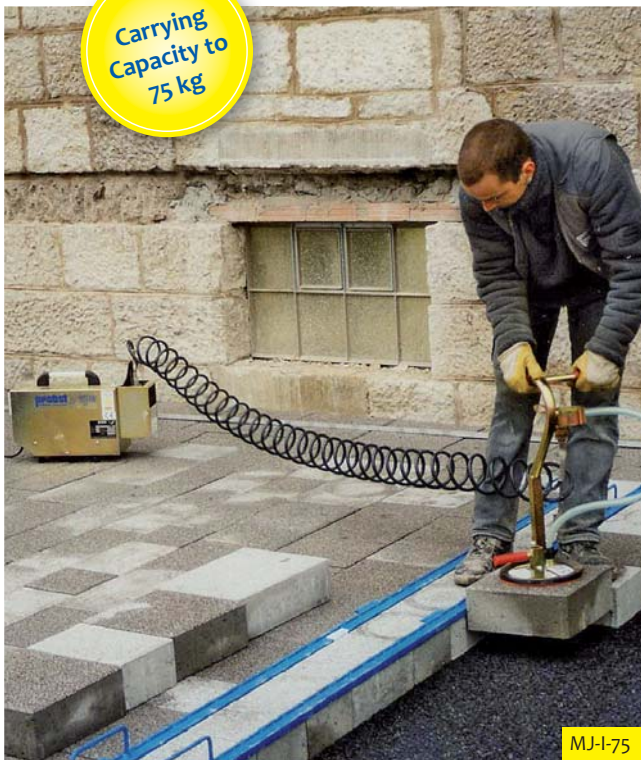
VPH-RS: wheel set for the VPH; gives the unit mobility on a large set of wheels, only one operator is required

KF: Chain box with integrated chain for optimum industrial safety on the lifting equipment

Type	Suction Plate Dimension mm (in)	Carrying Capacity* kg (lbs)	Dead Weight kg (lbs)	Order-Number
VPH-100 ①	oval 260 x 210 (10 1/4" x 8 1/4")	100 (220)*	16 (35)	5271.0002
VPH-150 ①	oval 440 x 250 (17 1/4" x 9 3/4")	150 (330)*	16.5 (36)	5271.0001
VPH-RS ①		150 (330)	7.6 (17)	4271.0072
KF	Chain box with chain for VPH, MJ-II and MJ-J-II		3 (7)	4271.0098
Battery-12V/6,5Ah	Spare storage battery for VPH-100 and 150			2420.0007
VPH-LG-220V/12V	Battery charger for VPH-100 and 150			2420.0004

① Durable surface protection by galvanizing

* Value at 500 mbar low pressure.



MJ-I-75

Effortless 1 or 2-man laying which does not strain your back

Vacuum Pump Unit VPE and Vacuum Slab Layer MICROJUMBO MJ

The VPE stands on the floor and provides the lightweight MJ installation unit with vacuum power via a spiral tube. Ideal for the installation of dense / slightly porous elements.

VPE-E: powered by either 230 or 110 V alternating current – lightweight, easy to use and low-noise – fits in any boot

VPE-B: powered by a petrol engine

MJ-I-75: 1-man carrying handle with a standard vacuum suction plate, ø 225 mm, 75 kg load bearing capacity

MJ-II-150: 2-man carrying handle with a standard oval vacuum suction plate, 440 x 220 mm, 150 kg load bearing capacity

Type	Power	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
MJ-I-75 ¹		75 (165)*	5 (11)	5260.0001
MJ-II-150 ¹		150 (330)*	10 (22)	5260.0002
VPE-E ²	electric, 230 V single phase 50 Hz	in tune with MJ-use, approx. 150 kg (330)	19 (42)	4240.0346
VPE-B	petrol engine	in tune with MJ-use, approx. 150 kg (330)	26 (57)	4240.019
KF	Chain box with chain for MJ-II, VPH und MJ-J-II		3 (7)	4271.0098

² Also available in 110 Volt version

Any other vacuum lifting device from the SH series can be used instead of the VPE as the drive station for the MICROJUMBO.

Optional extra:

KF: Chain box with integrated chain for optimum industrial safety



MJ-II-150

* Value at 600 mbar low pressure.

The all-rounder



TRANSMOBIL TM Installation Carrier – Transporting and laying kerb stones

A compact universal machine – transport and handling of palletized building material and vacuum installation all in one. The powerful vacuum laying unit allows the immediate installation of heavy construction elements – effortless and without physical strain. Chassis with rubber chains for uneven terrain, combined with a vacuum hose lifter for installation work up to 200 kg lifting force. (250 kg at reduced outreach)

- Hydraulic mast angling in seconds, boom can be swung easily and the installation material positioned exactly
- **Highest Safety Standards:** The SAFESTOP ensures that the knuckle boom jib cannot swing into the traffic area

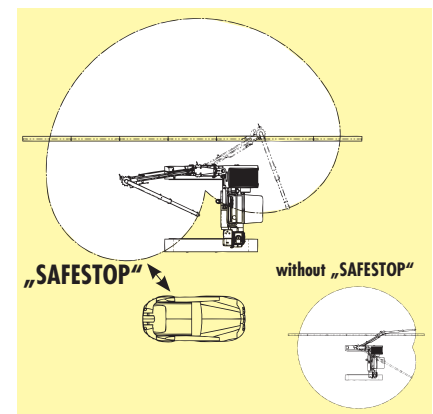
Type	Power	Reach mm (in)	Carrying Capacity of Vacuum Laying Unit* kg (lbs)	Payload kg (lbs)	Dead Weight kg (lbs)	Order-Number
TM-150-B-XL	petrol engine 8,2 kW Honda GX390	3,000 (118")	150 (330)	1,500 (3,300)	approx. 1,300 (2,850)	5222.0010
TM-150-D-XL	diesel engine 9,6 kW Hatz Silent Pack	3,000 (118")	150 (330)	1,500 (3,300)	approx. 1,540 (3,400)	5222.0011
TM-150-D-A-XL	diesel engine 9,6 kW Hatz Silent Pack	3,000 (118")	150 (330)	1,500 (3,300)	approx. 1,540 (3,400)	5222.0012
TM-150-WD-A-SILENT-XL	diesel engine 10,8 kW Kubota	3,000 (118")	150 (330)	1,500 (3,300)	approx. 1,540 (3,400)	5222.0013
TM-GGP	Essential add-on once the lifting capacity exceeds 150 kg. Installation material, such as kerb stones serve as counterweight.			250 (552)	10 (22)	4222.0070

The following two models are equipped with electronic, fully automatic boom alignment – makes work even quicker and particularly user-friendly. Positioning of laying elements without physical effort:

- **TM-150-D-A-XL:** with sound insulated Hatz Silent Pack diesel engine
- **TM-150-WD-A-SILENT-XL:** extremely silenced version with water-cooled Kubota diesel engine, noise emission < 80 dB

Without fully automatic boom alignment:

- **TM-150-B-XL:** with Honda petrol engine
- **TM-150-D-XL:** with sound insulated Hatz Silent Pack diesel engine



* With more powerful lifting hose unit, proper suction plate etc. and platform for counterweight TM-GGP upgradeable to 200 kg lifting capacity when fully extended and up to 250 kg at reduced outreach of 500 mm.

More than 1.000 different suction plates are available, see page 32 for examples.

Install concrete elements effortlessly and accurately



JUMBOMOBIL JM Vacuum Slab Laying Machine – The classic, successful design, on the market for over 20 years!

All-rounder for slab laying.

- Can easily lay up to 400 square metres a day
- Newly laid, topping slabs that have not been compacted and are not moved when the JM travels over them
- Compact transport dimensions, yet a large operating range of 4 m
- Vacuum turbines powered either electrically or by petrol engine
- With knuckle boom for safe and quick installation even along house walls or around trees, light posts or similar
- **Highest Safety Standards:**
The SAFESTOP ensures that the knuckle boom jib cannot swing into the traffic area

Type	Operating Radius mm (in)	Electrical Data	Carrying Capacity* kg (lbs)	Dead Weight kg (lbs)	Order-Number
JM-VARIO-150-E	3,900 (154")	4 kW 50 Hz 3~190/255 V Δ or 330/440 V Y	150 (330)	720 (1,590)	5200.0017
JM-VARIO-200-E	3,000 (118")	4,8 kW 60 Hz 3~190/290 V Δ or 330/500 V Y	200 (440)	730** (1,610)	5200.0019
JM-VARIO-150-B	3,900 (154")		150 (330)	720 (1,590)	5200.0018
JM-VARIO-200-B	3,000 (118")		200 (440)	730** (1,610)	5200.0020

Design with rigid boom jib on request.

NEW!

Now with innovative
knuckle boom jib

More than 1.000 different suction plates are available, see page 32 for examples.

* Value at 420 mbar low pressure.

** When working with a working capacity of 200 kg, the operating radius of the boom will be limited to 3,000 mm. Furthermore the chassis must be loaded with counterweights (supplied by the customer).

Kerb stone laying directly from the pallet

JUMBO-BV-VARIO – Vacuum Kerb Stone Installation Machine

Optimum logistics: sucking, lifting, installing in one operation.

The entire block package is carried here.

- With universal mounting bracket for all common loader or stacker fork holders, alternatively fitted with hollow teeth
- “SAFESTOP”: The boom cannot swing into the area of the traffic. Vital safety feature
- Extremely effortless mobile bending boom
- Hydraulically angled mast, it is always vertical, slight swinging of the boom



Type	Drive	Power (kW)	Reach (mm)	Type of jib	Length of installation mm (in)	Carrying Capacity** kg (lbs)	Dead-Weight kg (lbs)	Direction of folding the jib	Order-Number
JUMBO-BV-VARIO-B	Petrol engine	8,1	3,500 (138")	SKVA	7,000 (276")	150 (330)	520 (1,150)	forward	5220.0011
JUMBO-BV-VARIO-D	Diesel engine	5,5	3,500 (138")	SKVA	7,000 (276")	150 (330)	540 (1,190)	forward	5220.0013
JUMBO-BV-VARIO-H	hydraulic		3,500 (138")	SKVA	7,000 (276")	150 (330)	490 (1,080)	forward	5220.0012



Engine: Kubota - 4 Cylinders - 60 PS · Speed: max. 25 km/h · max. lifting height of pallet forks: 2.67 m
 Carrying capacity of pallet forks: 2,000 kg · Total weight: approx. 4.100 kg
 Dimensions L x W x H (m): 5,27 x 1.56 x 2.65 m

Type	Description	Carrying Capacity* kg (lbs)		Order-Nr.
UP-1204-W	Water-filled tires	150 (330)		5221.0003
UP-1204-PU	Tires filled with polyurethane foam	150 (330)		5221.0004
		max. 200 (440) at full boom length (approx. 2,175 mm / 85½")	max. 250 (550) reduced boom length (approx. 1,955 mm / 77")	
UP-1204-FFS	Radio remote control for driving and steering the loader			4221.0066

Special version with carrying capacity of 300 kg (with optional chain hoist instead of lifting unit) at reduced boom length approx. 1.570 mm on request.

UNIPOSE UP-1204 Vacuum Kerb Stone Laying Loader – the robust all-rounder

Everything about this loader is optimised for the laying of kerb stones and slabs.

- The vacuum installation unit is completely integrated into the loader
- Fully electronic, automatic mast angling in combination with effortless storage of the bending arms minimises the strain on the operator to virtually nothing
- Boom bend joints can be locked at the touch of a button, saving time with clocked advancing (approx. 6 m of kerb stones can be laid whilst stationary, then the loader is moved forward by 6 m)
- Installation unit with lifting force up to 250 kg*
- With half-cabin (Front/rear window, mirror, windscreen wiper, each 2 working lights to front and rear)
- Quick change facility: changing from operation with pallet fork to shovel from the driver's seat

If interested, please order our separate brochure about the UNIPOSE UP-1204.

* Carrying Capacity kg (lbs) depends on the vacuum lifting hose unit used

** Value at 420 mbar low pressure.

More than 1.000 different suction plates are available, see page 32 for examples.

A selection from our extensive range of suction plates

Ask us !
We will configure your individual suction plate!

5

LAYING OF KERB STONES AND SLABS

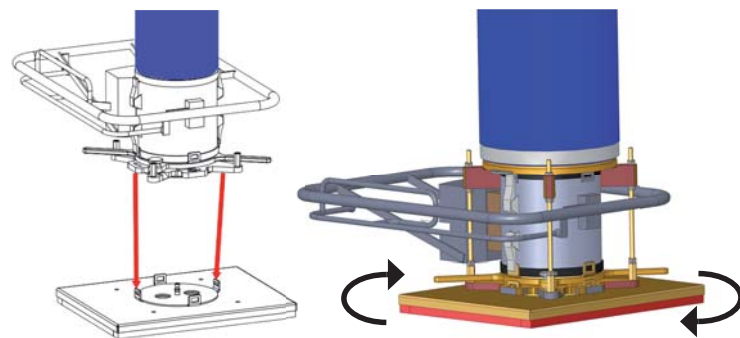
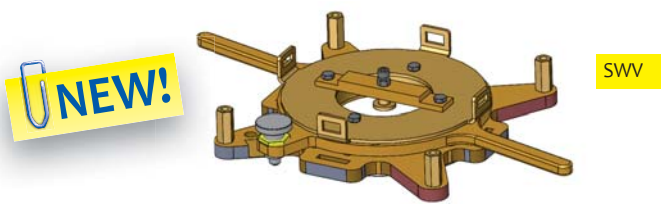
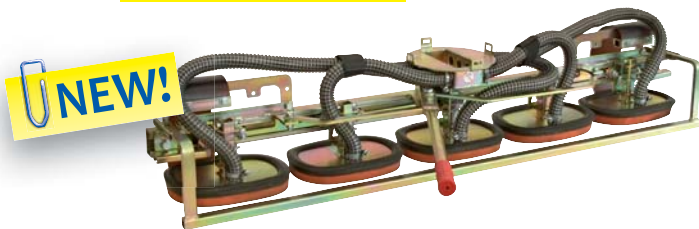
ESP-150-31/31



WSP-150-52/15-12-98°



MSP-5-V-150-5 x SPS-24/16-a-24



● Durable surface protection by galvanizing

* Value at 420 mbar low pressure. ** Caution: It is forbidden to use the grippers EG with a smaller carrying capacity than the lifting unit HE! It is permissible to use grippers with a higher carrying capacity than the lifting unit.

Suction Plates ESP

Type	Suction Plate Dimension mm (in)	Carrying Capacity** kg (lbs)	Order-Number
ESP-35-20/20	200 x 200 (7 3/4" x 7 3/4")	35 (75)*	4210.0050
ESP-50-23/23	230 x 230 (9" x 9")	50 (110)*	4210.0561
ESP-85-25,5/25,5	255 x 255 (10" x 10")	85 (185)*	4210.0051
ESP-150-31/31	310 x 310 (12 1/4" x 12 1/4")	150 (330)*	4210.0145
ESP-150-40/27,5	400 x 275 (15 3/4" x 10 3/4")	150 (330)*	4210.0116
ESP-150-50/19	500 x 190 (19 3/4" x 7 1/2")	150 (330)*	5230.0019
ESP-150-92,4/13,4	924 x 134 (36 1/2" x 5 1/4")	150 (330)*	5230.0008
ESP-150-100/12,4	1000 x 124 (39 1/2" x 5")	150 (330)*	5230.0007
ESP-200-33/33	330 x 330 (13" x 13")	200 (440)*	4210.0331
ESP-250-40/40	400 x 400 (15 3/4" x 15 3/4")	250 (550)*	4210.0054

Angeled Suction Plates WSP

Type	Suction Plate Dimension mm (in)	Carrying Capacity** kg (lbs)	Order-Number
WSP-150-52/15-12-98°	520 x 150 - 120 (20 1/2" x 6" - 4 3/4")	150 (330)*	5250.0184
WSP-150-70/8-11-143°	700 x 80 - 110 (27 1/2" x 3" - 4 1/4")	150 (330)*	4210.0238
WSP-150-70/11-17-143°	700 x 110 - 170 (27 1/2" x 4 1/4" - 6 3/4")	150 (330)*	4210.0126
WSP-150-85/7-7-135°	850 x 70 - 70 (33 1/2" x 2 3/4" - 2 3/4")	150 (330)*	5230.0018
WSP-150-70/13-10-143°	700 x 130 - 100 (27 1/2" x 5" - 4")	150 (330)*	5250.0131
WSP-150-90/10-14-93°	900 x 100 - 140 (35 1/2" x 4" - 5 1/2")	150 (330)*	5230.0033

Multiple Suction Plates MSP

Type	Suction Plate Dimension mm (in)	Number of suction plates	Carrying Capacity** kg (lbs)	Order-Number
MSP-5-V-150-5 x SPS-24/16-a-24	240 x 160 (9 1/2" x 6 1/4")	5	150 (330)*	4210.1004
MSP-6-V-150-6 x SPS-17/16-a-16	170 x 160 (6 3/4" x 6 1/4")	6	150 (330)*	4210.1044
MSP-7-V-150-7 x SPS-17/16-a-16	170 x 160 (6 3/4" x 6 1/4")	7	150 (330)*	4210.1027

Quick Change Device SWV – Easy suction plate changing with a twisting motion

The SWV quick change device greatly simplifies suction plate changing on the construction site, which is often required.

- Faster suction plate changing with a simple twisting motion
- Suitable for all lifting hose units from HE-35 to HE-250
- Easy operation, no inconvenient screwing of adapters required
- Operating errors no longer possible
- When using lifting hose units HE-200 and HE-250, the operating valve unit is fitted directly to the SWV quick change device by means of 4 tension rods (threaded rods)

Type	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
SWV Quick Change Device	250 (550)	3,8 (8)	4210.1026

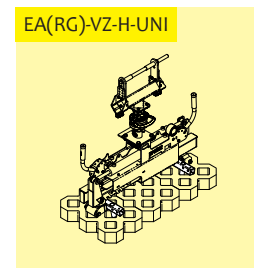
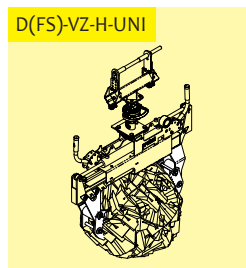
Efficient aid for everything to do with laying kerb stones

Hydraulic Laying Clamp VZ-H-UNI – The all-rounder for virtually all elements

- Kerb stones can be gripped lengthways or across depending on the space conditions
- Special jaws for rocks, turf stones and similar, easy and quick to attach
- Use generally on diggers or laying machines with a hydraulic rotary head



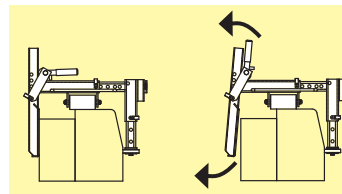
Type	Specification	Gripping Range mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
VZ-H-UNI-BV Basic Version	incl. clamping unit, 2 pairs of rubber grippers	40/570 (1 1/2 - 22 1/2") up to 1.000/1.500 (39 - 59")	500 (1,100)	140 (310)	5160.0031-001
VZ-H-UNI-KV Full Version	additional continuous rotator, suspension, set of hydraulic hoses	40/570 (1 1/2 - 22 1/2") up to 1.000/1.500 (39 - 59")	500 (1,100)	170 (375)	5160.0031-002
D(FS)-VZ-H-UNI	Rock grippers (in pairs)		500 (1,100)	22 (50)	4160.0160
EA(RG)-VZ-H-UNI	Gripping adapter for grass stones and large-seized slabs (in pairs)		500 (1,100)	14 (30)	4160.0176



Slipform for Concrete Backfill of Kerbs GR-150 – standardized backfill in minutes

The GR puts an end to laborious backfill work on the construction site. DIN 18318 mandates slip formed backfill.

- Cam lever releases and tightens casing sheet
- Can be adjusted to all conventional kerb stones
- Tamper included as standard
- **Saves time and concrete!**



Type	Length of form sheet mm (in)	Thickness of backfill mm (in)	Thickness of kerb stones mm (in)	Dead Weight kg (lbs)	Order-Number
GR-150	1,500 (59")	150 (6")	80 - 200 (3 1/4 - 7 3/4")	31 (70)	5100.0066
KS-GR-150	Link rod for slipform			1 (2)	4100.0241



GUTTERFIX RF-H Screeding System for lean concrete – perfect gutter bedding

Professional tool for roadwork. Eliminates time consuming conventional removal with shovels.

- Ball-bearing mounted rollers for ease of adjustment and accuracy
- Adjustable to all conventional kerb stone thicknesses and heights

Type	Working Width max. mm (in)	Suitable for Kerb Thickness mm (in)	Ground Level from Top of Kerb mm (in)	Dead Weight kg (lbs)	Order-Number
RF-H	max. 500 (19 3/4")	120 - 200 (4 3/4" - 7 3/4")	70 - 300 (2 3/4" - 11 3/4")	13 (30)	5100.0064

① Durable surface protection by galvanizing



BZ

Efficient laying of kerb stones

Kerb Stone Handles BZ – manageable, light-weight, gripping across

- Laying concrete and natural stone kerbing, including variable lengths. The plump line remains completely free through a short intervening
- Interchangeable, light coloured, non-staining rubber clamping jaws

Type	Gripping Range* W mm (in)	Inside Height E mm (in)	Gripper Length L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
BZ ①	0 – 400 (0 – 15 3/4")	200 (7 3/4")	150 (6")	150 (330)	4 (9)	5320.0084
Spare Rubbers BZ						4320.0006

Kerb Stone Clamp VZ-M-UNI

Fully mechanical operation for use with any wheel loader, excavator or other carriers.

- Specially designed for the installation of approx. 1 m long elements, such as kerb stones
- With handle to provide optimal guidance
- Equipped with automatic release (refer to page 39)

Type ①	Gripping Range* W mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
VZ-M-UNI	900 – 1,065 (35 1/2" x 42 1/4")	300 (660)	21 (45)	5310.0275



VZ-M-UNI



BVZ

Universal Handle BVZ – one tool for all!

- Universal, fits practically every design element employed in the field of urban, open and green space construction
- With pin bolts to adjust the opening width
- Interchangeable rubber clamping jaws

Type ①	Gripping Range* W mm (in)	Inside Height E mm (in)	Gripper Length L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
BVZ	0 – 550 (0 – 21 3/4")	210 (8 1/4")	200 (7 3/4")	200 (440)	12 (26)	5320.0020

Kerb Stone Handles VZ – easy to carry, lightweight

VZ-I: Primarily intended for manual placement; lengthwise gripping for kerb stones, lightweight slabs, etc.

VZ-II: Ideal for manual or mechanical installation of larger slabs

VZ-III: Equipped with automatic release and rubber grippers for large and heavy elements (refer to page 39)

Type ①	Gripping Range* W mm (in)	Inside Height E mm (in)	Gripper Length L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
VZ-I	500 – 1,045 (19 3/4" – 41 1/4")	40 (1 1/2")	100 (4")	100 (220)	12 (26)	5310.0140
VZ-II	700 – 1,000 (27 1/2" – 39")	50 (2")	200 (7 3/4")	300 (660)	25 (55)	5310.0141
VZ-III	1,000 – 1,700 (39" – 67")	60 (2 1/4")	420 (16 1/2")	1,000 (2,200)	60 (132)	5310.0142



VZ-I

The Z-profile causes the clamp to release on positioning.

① Durable surface protection by galvanizing

* Gripping range indicates the minimum and maximum pack measurements of building materials, which can be picked-up with this grab.

6 Laying of Landscaping Elements



The move accelerators for border stones, block steps & wall elements

Concrete Step Handles TSZ-UNI – much more than a step handle

The mechanical all-round handle; not only for steps, but also for moving all landscape elements with the aid of an excavator or loader. Simply attach the unit to a hoist chain.

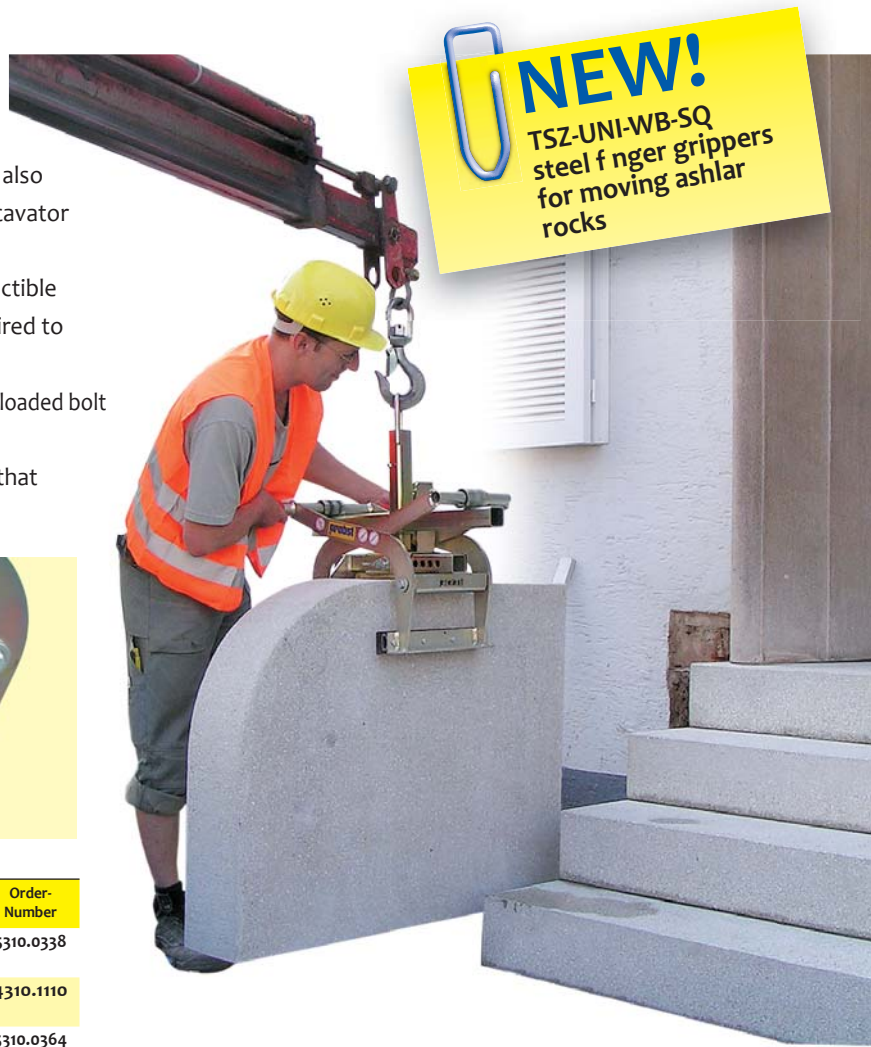
- Alternating “on-off” switching with Probst’s indestructible automatic release simplifies your work: No user required to switch from “grip” to “release” (refer to page 39)
- Large gripping range can be adjusted quickly with spring-loaded bolt
- Height adjustable support HVA-FTZ/TSZ (optional)
- Cost-effective, highly wear resistant rubber grippers that can be easily replaced as plug-in components



Type ❶	Gripping Range* W mm (in)	Inside Height E mm (in)	Gripper Length L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
TSZ-UNI	50 – 600 (2 – 23 1/2")	185 (7 1/4")	350 (13 3/4")	600 (1,320)	29 (64)	5310.0338
TSZ-UNI-WB-SQ	50 – 550 (2 – 21 1/2")	210 (8 1/4")		600 (1,320)	6 (13)	4310.1110
TSZ-MAXI	850 – 1,100 (33 1/2 – 43")	185 (7 1/4")	350 (13 3/4")	600 (1,320)	30 (65)	5310.0364
Adjustable Height Stop HVA-FTZ/TSZ. Adjustable range approx. 50 – 140 mm (2 – 5 1/2")						4310.0867



❶ Durable surface protection by galvanizing



NEW!
TSZ-UNI-WB-SQ
steel finger grippers
for moving ashlar
rocks

Concrete Step Handles TSV – ideal for manual and mechanical operation

Whether there is enough space to use the mini-digger is often determined only on site, so flexible tools are advantageous.

- With lifting eyelet for every hoist
- Equipped with a manual carrying and guide handle for operation by two workers
- Handle can be turned 90° if required

Type ❶	Gripping Range* W mm (in)	Inside Height E mm (in)	Gripper Length L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
TSV	70 – 500 (2 3/4 – 19 3/4")	125 (5")	200 (7 3/4")	250 (550)	18 (39)	5310.0130

* Gripping range indicates the minimum and maximum pack measurements of building materials, which can be picked-up with this grab

EASYGRIP EXG Border Stone Handle – small, lightweight, easy to handle but nonetheless ultra-strong

EASYGRIP EXG is a mechanical grab suitable for handling parallel, plane and non-conical concrete elements, such as border stones, slabs, block steps and kerb stones. Gripping range from 0 to 300 mm and designed for a max. load of up to 550 kg.

- With its dead weight of just 12 kg the compact EASYGRIP EXG can be attached to a carrier (loading crane, mini-excavator etc.) by means of hoisting belts or chains. Thus just one person is able to operate the grab mechanically
- The grab comes with two handles and thus is also suitable for a two-man manual operation



Type ❶	Gripping Range* W mm (in)	Inside Height E mm (in)	Gripper Length L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order- Number
EXG	0 – 300 (0 – 11 3/4")	145 (5 3/4")	235 (9 1/4")	550 (1,200)	12 (26)	5310.0370



Grab for Angular Concrete Products WEZ – so that the element sits flush and level in the concrete bed on the first attempt

Who isn't familiar with this scenario: elements are crooked when resting in the shipping strap, so when installed they do not sit flush in the concrete bed. Until now, the only choices were either time-consuming hammering in place or subsequent complaints. Enough of that! The WEZ installs all common elements in their proper position with a level base.

- Alternating “on-off” switching with Probst's indestructible automatic release simplifies your work: No user required to switch from “grip” to “release” (refer to page 39)
- With a dual sliding suspension mounting
- Also suitable for installing T-walls
- Lifting eye for attaching to crane hook
- Highly durable and exchangeable rubber grippers
- Leaves no black marks

Type ❶	Gripping Range* W mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order- Number
WEZ-2	50 – 250 (2 – 9 3/4")	2,000 (4,400)	55 (120)	5310.0347
WEZ-6	50 – 300 (2 – 11 3/4")	6,000 (13,200)	160 (350)	5310.0375

❶ Durable surface protection by galvanizing

* Gripping range indicates the minimum and maximum pack measurements of building materials, which can be picked-up with this grab

For even the biggest blocks

Precast Element Grab FTZ – powerful and secure handling of heavy concrete elements

Strictly mechanical operation; no coupling of leakage-prone hydraulic lines. Simply hook on the lifting gear and get going. Saves time and money, and does not pollute the environment.

- Alternating “on-off” switching with Probst’s indestructible automatic release simplifies your work: No user required to switch from “grip” to “release” (refer to page 39)
- Easy-opening width adjustment with spring-loaded bolt
- Height adjustable support HVA-FTZ/TSZ, optional (not applicable to FTZ-I / BB)
- Cost-effective, highly wear resistant rubber grippers that can be easily replaced as plug-in components
- Can also be mounted on the loader with a hydraulic rotator (links and rotators optional)



FTZ-UNI-15



FTZ-UNI-50

The right clamp for any challenge

FTZ-I: Handy, compact clamp

FTZ-UNI: Universal series with large gripping range and various carrying capacities

FTZ-MAXI: As FTZ-UNI but with a very large gripping range

FTZ-BB: designed kerb stones with high concave section for bus stops („Kassel Kerb“)

Type ①	Gripping Range* W mm (in)	Inside Height E mm (in)	Gripper Length L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
FTZ-I	50 – 520 (2 – 20½")	170 (6¾")	420 (16½")	900 (2,000)	55 (120)	5310.0120
FTZ-UNI-15	0 – 750 (0 – 29½")	255 (10")	420 (16½")	1,500 (3,300)	85 (185)	5310.0256
FTZ-UNI-25	0 – 750 (0 – 29½")	255 (10")	420 (16½")	2,500 (5,500)	115 (255)	5310.0313
FTZ-UNI-50	0 – 850 (0 – 33½")	200 (8")	720 (28¾")	5,000 (11,000)	245 (540)	5310.0362
FTZ-MAXI-25	200 – 1,200 (8 – 47")	255 (10")	420 (16½")	2,500 (5,500)	130 (285)	5310.0344
FTZ-MAXI-50	400 – 1,250 (15¾ – 49")	240 (9½")	720 (28¾")	5,000 (11,000)	260 (570)	5310.0363
FTZ-BB	50 – 480 (2 – 19")	290 (11½")	420 (16½")	900 (2,000)	55 (120)	5310.0202
Adapter for Kassel Kerb Stone A-FTZ-KB for FTZ-UNI-15 to extend gripping depth on one side to 290 mm						4310.0575
Adjustable Height Stop HVA-FTZ/TSZ for all versions of FTZ-UNI/MAXI/MULTI. Adjustable range approx. 140 - 255 mm. Adjustable range FTZ-UNI/MAXI-25 and FTZ-UNI-25 approx. 120 - 255 mm. FTZ-UNI-50 approx. 55 - 155 mm. FTZ-MAXI-50 approx. 55 - 195 mm.						4310.0867

* Gripping range indicates the minimum and maximum pack measurements of building materials, which can be picked-up with this grab

① Durable surface protection by galvanizing



FTZ-MAXI-50

The modular system for multifunctional applications

Precast Component Handle FTZ-MULTI – the Quick-Change Artist

A single clamp top with screw-on grippers for the broadest range of tasks. Maximum application options due to large gripping range with low acquisition costs.

■ It is possible to equip the basic unit with different grippers:

WB-G-42: Short rubber grippers for individual elements

WB-G-120: Long rubber grippers for block layers

WB-SQ: Special interlocking steelfinger grippers allow for safe installation of roughly-cut ashlar rocks.

With integrated chain guard.



FTZ-MULTI-15-WB-SQ

Type ①	Gripping Range* W mm (in)	Inside Height E mm (in)	Gripper Length L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
FTZ-MULT-15 Basic Device				1,500 (3,300)	96 (210)	5310.0348
FTZ-MULTI-15-WB-G-42 (pair)	200 – 1,250 (8 – 49")	255 (10")	420 (16½")		14 (30)	4310.0942
FTZ-MULTI-15-WB-G-120 (pair)	200 – 1,250 (8 – 49")	255 (10")	1,200 (47")		46 (100)	4310.0943
FTZ-MULTI-15-WB-SQ (pair)	200 – 1,200 (8 – 47")	300 (12")			33 (73)	4310.0941

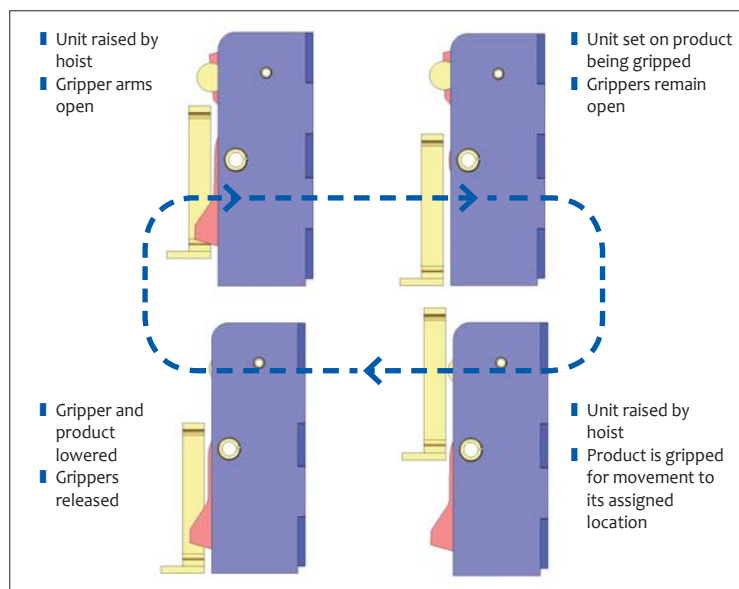
* Gripping range indicates the minimum and maximum pack measurements of building materials, which can be picked-up with this grab



FTZ-MULTI-15-WB-G-42



FTZ-MULTI-15-WB-G-120



The Heart of Many Mechanical Probst Grabs – the Proven and Simple Automatic Release WA

When the grabs are initially raised, they remain locked in the open position for placement onto the product being gripped by the hoist.

When the hoist is again raised, the claws are released to grip the product.

- Advantage: No operators required to switch between “grip” and “release”
- Maintenance-free operation without the need for springs which are subject to wear

① Durable surface protection by galvanizing

Move landscape contracting elements quickly and efficiently

Stone Pillar Grab SLS – ingeniously simple, easy to use, lightweight and safe

- Particularly well suited for use with roughly-cut granite columns
- Securely anchored to the horizontal column with a few turns of a crank
- Automatic re-tensioning of the rubber grippers when erecting for maximum industrial safety
- Double-sided, non-marking rubber grippers, thus no claw marks or scratches on pillars and palisades

Type ❶	Gripping Range* W mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
SLS-8/20-G	80 – 200 (3 – 7 ¾")	300 (660)	11 (24)	5310.0365



PVZ



MPVZ-V

Column Handles PVZ – for round and rectangular palisades

PVZ

- Manual, two-man carrier handles
- Problem-free, precise, tightly packed installation
- PVZ-V, adjustable grip width

MPVZ-V

- Length-dependent clamping
- With lifting eyelet for every hoist

Type ❶	Gripping Range* W mm (in)	Gripper Length L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
PVZ	200 (7 ¾")	80 (3 ¼")	150 (330)	6 (13)	5320.0030
PVZ-V	100 – 305 (4 – 12")	80 (3 ¼")	150 (330)	8 (18)	5320.0031
MPVZ-V	120 – 200 (4 ¾" – 7 ¾")		300 (660)	30 (66)	5310.0233

Hollow Slop Block Handles FSZ – not merely for hollow core slope retainers, but also for drain elements, U stones, etc.

FSZ:

- Manual transport handle
- Large adjustment range for general use

FSZ-M:

- Can be attached to hoists or can be carried by two workers
- Depending on the space available at the site, the handle can be rotated by 90°
- Large adjustment range for general use
- With automatic release (refer to page 39)

❶ Durable surface protection by galvanizing



FSZ



FSZ-M

Type ❶	Gripping Range* W mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
FSZ	180 – 580 (7 – 22 ¾")	150 (330)	8 (17)	5320.0001
FSZ-M	180 – 580 (7 – 22 ¾")	250 (550)	16 (35)	5320.0002

* Gripping range indicates the minimum and maximum pack measurements of building materials, which can be picked-up with this grab

Kerb Slab Lifter KSH

- Can be employed individually or in pairs.
We recommend the employment of two lifters for panels longer than 1 meter
- Back-strain reduced lifting coupled with ease of movement for laying lawn edging stones, vertical panels, etc.

Type ❶	Gripping Range* W mm (in)	Inside Height E mm (in)	Gripper Length L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
KSH	40-100 (1½ - 4")	170-400 (6 ¾ - 15 ¾")	50 (2")	60 (130)	1.3 (3)	5320.0080



Kerb and Strip Stone Handles RLSH – the professional way to grip your stone

- Ideal for lightweight kerb and strip stones
- Easy to use, compact dimensions
- Simply rotate the handle to release the grippers

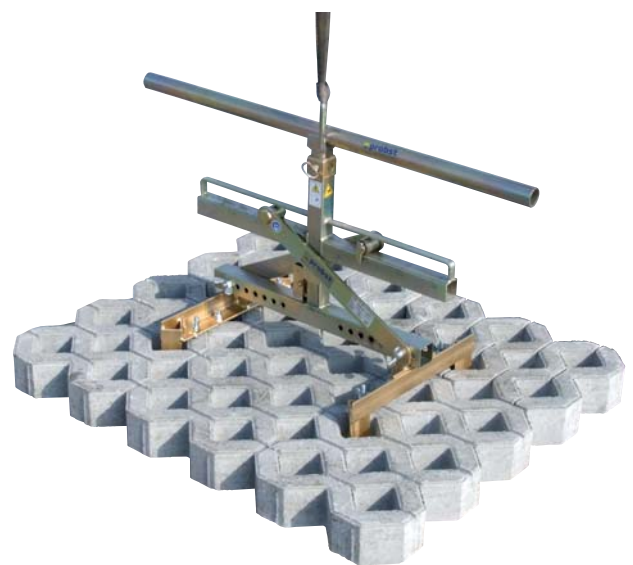
Type ❶	for Width of Stones mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
RLSH-80	80 (3 1/8")	80 (175)	2.5 (5)	5320.0091
RLSH-120-UNI	60-120 (2 1/4 - 4 7/8")	80 (175)	3.0 (7)	5320.0092

Turf Stone Laying Clamp RGV

Laying Clamp for Turf Stones, versatile due to exchangeable adaptors.

- RGV-9/9 fits Turf Stones 60 x 40 cm, hole dim. 9 x 9 cm
- Installs 1 to 5 units at once
- Alternating “on-off” switching with Probst’s indestructible automatic release simplifies your work: No user required to switch from “grip” to “release” (refer to page 39)
- Lifting eye, handle, turnable by 90°
- Screwable adaptors

Type ❶	Description	Gripping Range* W mm (in) depending on adaptors	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order- Number
RGV	Basic unit, without adaptors	approx. 70 – 500 (2¾ – 20")	250 (550)	15 (30)	4310.1154
RGV-AS-9/9	Adaptors for 9 x 9 cm		250 (550)	5 (11)	4310.1153
RGV-9/9	Complete unit, RGV+RGV-AS-9/9	300/500 (12 – 20")	250 (550)	20 (44)	5310.0372



❶ Durable surface protection by galvanizing

Be It a Boulder or a Cable Channel – with the Right Handles, Installation Goes Twice as Fast

Manual Boulder Grab H-FVZ-UNI – and suddenly the boulder is lighter

- Comfortable and safe transport and installation of boulders and stone blocks with millimetre precision
- Tool-free adjustment to any stone size
- With lifting eye for hoists

Type ①	Gripping Range * W mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
H-FVZ-UNI	0 – 600 (0 – 23 1/2")	200 (440)	18 (40)	5320.0086



Mechanical Boulder Grab FVZ-UNI

During alignment, the gripper arm may sometimes become caught under the stone being installed. With the new chain realignment offered by the FVZ-UNI, the support chain is simply switched over. This automatically opens the gripper when lifting, and the pinched arm can be drawn out.

Type	Gripping Range* W mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
FVZ-UNI	0 – 950 (0 – 37 1/2")	1,500 (3,300)	99 (218)	5310.0272

Cable Channel Clamp KKV – always grips from the inside, saving space

KKV-200

- Mechanically gripping; can be used with any hoist
- With automatic release (refer to page 39)
- Standard version outfitted with rubber grippers; gripper width between 185 – 215 mm
- A variety of adapters with steel claws to cover the entire gripper range between 290 and 600 mm are optionally available



KKV-8/14

- Can be attached to hoists or can be carried by two workers
- Depending on the space available at the site, the handle can be rotated by 90°

Type ①	Gripping Range * W mm (in)	Gripper Length L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
KKV-200	185 – 215 (7 1/4 – 7 3/4")	400 (15 3/4")	500 (1,100)	50 (110)	4310.0739
KKV-8/14	80 – 140 (2 1/4 – 5 1/2")	270 (10 3/4")	100 (220)	12 (26)	5310.0061

① Durable surface protection by galvanizing

Economic and Time-saving Work with Block Packs and Wall Panels

Scissor Grab SG – the traditional mechanical grab to move block packs around the jobsite

- Fast transfer of un-palletized paving stone or kerb stone packs with vertical strapping from the storage to the installation site; saves time and money
- With automatic release (refer to page 39)
- The height-adjustable support allows transport even of individual kerb layers

Optional available accessories: fork pockets ET-D/DB to insert stacking forks, eyelet EH for hoist operation, safety net SSN for above-ground operation



Type	Gripping Range* W mm (in)	Inside Height E mm (in)	Gripper Length L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
SG-40-UK	500 – 970 (19 3/4 – 38 1/2")	400 (15 3/4")	1,200 (47")	1,800 (4,000)	188 (415)	5310.0260
SG-60	400 – 1,100 (15 3/4 – 43")	600 (23 1/2")	1,200 (47")	1,800 (4,000)	190 (420)	5310.0204
SG-80	400 – 1,100 (15 3/4 – 43")	800 (31 1/2")	1,200 (47")	1,800 (4,000)	210 (460)	5310.0200
SG-100	700 – 1,200 (27 1/2 – 47")	1,000 (39")	1,200 (47")	2,000 (4,400)	380 (840)	5310.0284

Type	Carrying Capacity kg (lbs)	Order-Number
ET-D, with additional lifting eye for crane hook	2,500 (5,500)	4310.0411
ET-D/B	2,500 (5,500)	4310.0373
EH-3000, lifting eye for crane hook operation	3,000 (6,600)	4011.0086
Suspension adapter AH-A to use the SG-40-UK grab in combination with the forksleeves ET-D/B		4310.0442
SSN - 1,2/1,4/0,9 safety net for SG-40-UK	1,800 (4,000)	4520.0010
SSN - 1,5/1,3/1,0 safety net for SG-60, SG-80, SG-100	1,800 (4,000)	4520.0061



Retaining Wall Panel Grab RWPG – easy to operate, light weight and slender

Mechanical clamp for outdoor installation of retaining wall panels such as separating walls or noise barriers. Also elements stacked close to one another can be picked-up and set down due the compact and slim-line design of the RWPG clamp.

- The robust clamp with a dead weight of 16 kg only is attached to the carrier by means of a sling or chain and can be operated by one worker mechanically
- The integrated, tilting out locking bow is adjustable to the heights of 200/300 and 500 mm
- Safe clamping due to three-point contact with one fixed and 2 flexible grippers
- Handles for optimal guide the clamp
- Fully automatic trip mechanism for switch-over from „full“ to „empty“ (refer to page 39)
- Non-marking rubbers installed on both sides avoid marks and damage on the wall panels

Type ①	Gripping Range* W mm (in)	Inside Height E mm (in)	Gripper Length L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
RWPG	35 (1 1/2")	100 (4")	160/2 x 60 (6 1/2 x 2 1/2")	150 (330)	16 (35)	5310.0334-001

* Gripping range indicates the minimum and maximum pack measurements of building materials, which can be picked-up with this grab.

① Durable surface protection by galvanizing

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Probst gets things moving – innovative, efficient and ergonomic

... Innovative



With the products from Probst you trust in leading technology.

With an always forward-looking eye for what our customers want, we are the driving force behind a number of innovative technological advances we bring to the market. For this reason, expert juries have been presented us with numerous awards.

... Efficient



Use the prof table rationalisation potential.

With the use of our construction equipment, tools and machines you save time during work and reduce your costs.

Your investments will be paid very soon.

... Ergonomic



Take care on the health and safety of your workers.

We make hard work much easier for those who have to handle pavers, pipes and other concrete products. Our products help to avoid damages in health during lifting and movement of heavy weights.

 **probst**
the better solution

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