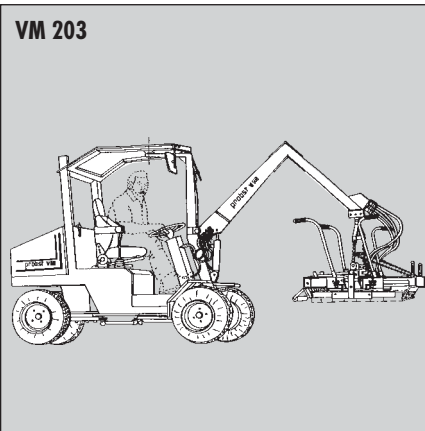
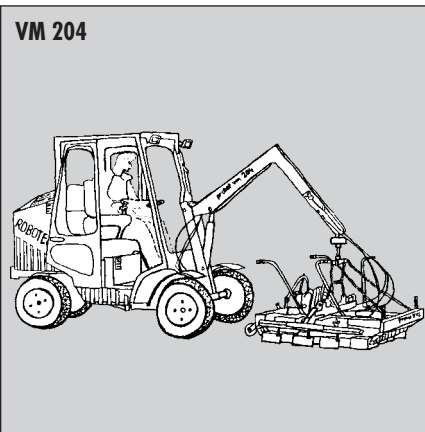


VM 203



VM 204



Mechanical Paver Installation, easy job with paver laying machines VM 203/204 ROBOTEC

Both laying machines, VM 203 and VM 204 ROBOTEC have principally the same working technique. They are only slightly different regarding modern working conveniences. The VM 204 has got a driver's cabin with scratch resistant safety glass, heating as well as a comfortable electronic joy-stick control. Both types of machine are maneuverable in narrow areas to allow fast paver installation. Due to the very compact dimensions of the machines the operators do have a perfect visibility forward as well as backwards.

The center of gravity stays always in the center of the machine. For this reason highest positional stability is achieved in any working position. The patented chassis of the laying machine has got a double center steering. Even driving narrow curves on freshly laid paver surface, no shifting is done to the pavers. The wheels do not twist the pavers, but roll on them. Different track widths of the front and rear axle ensure low degree of stress on uncompacted pavers.

Laying clamp HVZ uni with automatic pushing-off device guaranty for exact joint widths, to comply with the standards.

The laying machines of Probst are equipped with the hydraulic installation clamp HVZ including the automatic pushing-off device ADV S Standard. Layer after layer is pushed into the bedding sand. The pavers cannot cock during the installation process, but they are laid exactly. The manual repositioning of the pavers by hammering into a correct pattern is not required anymore. Some paver installers which have worked with laying clamps without ADV technology, tend to do the hammering even when working with the ADV technology now. This is unnecessary, costs a lot of labour, time and money and can even be harmful. Harmful because hammering means pressed joints which are not complying with the standards. The standards ask for joint widths between 3 and 5 mm. Concrete paving blocks are manufactured with the so called spacer bars all around the sides of the pavers having a thickness of 2.7 up to 3 mm.

The laying clamp compresses the layer from 4 sides so all pavers are pressed together, the spacer bars are touching the next block. Once the clamp is opened and the ADV presses the blocks down into the laying course, the pavers tend to creep apart a little bit. The joints are widened by this to about 0.4 to 1.0 mm in addition to the thickness of the spacer bar.

If the joints are driven together by unnecessary hammering, the spacer bars once more touch the next paver, the joint will be too narrow in this case and the specifications are not met. The stability of the pavement cannot be assured in this case.

Highest gripping security

Independent, spring loaded steel grippers are ensuring a firm grip on single blocks when carrying large layers of paving blocks.

The powerful side-clamping arms are able to easily shift for example rectangular pavers into the running bond by using the shifting adapters PA.

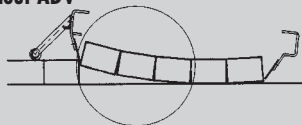
When laying layers in herring bone, the herring bone adapter FA can be used to avoid the necessity of half blocks on the side of the unit.

Probst laying machines, universal and future orientated

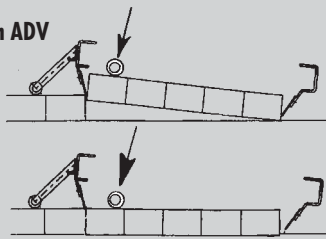
The VM 203 and VM 204 ROBOTEC are universal machines for a lot of attachments to carry out different works: Kerb laying clamps, sweeping and sand watering systems, vacuum laying systems for different concrete and natural stone slabs as well as a lot of special tools as shown in this catalogue.

Probst develops it's products according to the construction set principal. This ensures that future new developments will fit in the already existing machinery.

without ADV

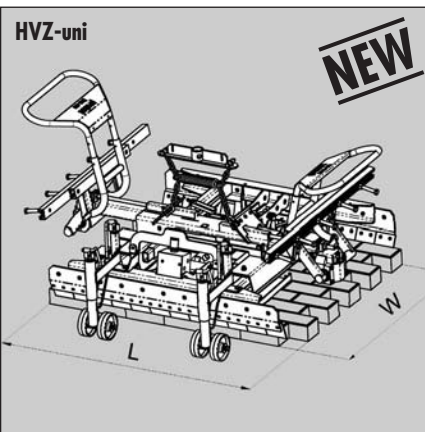


with ADV

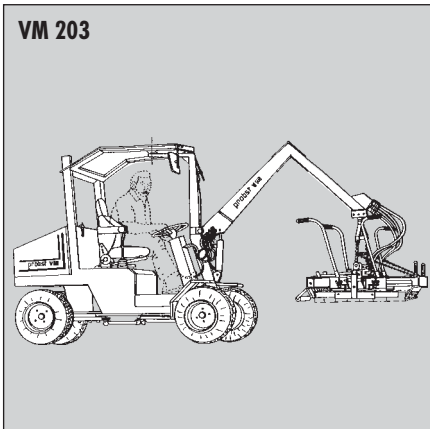


HVZ-uni

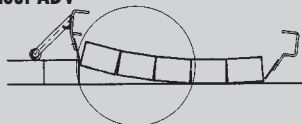
NEW



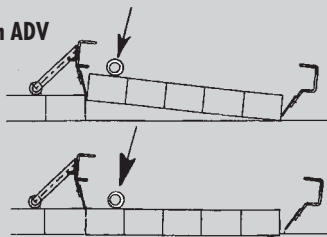
VM 203



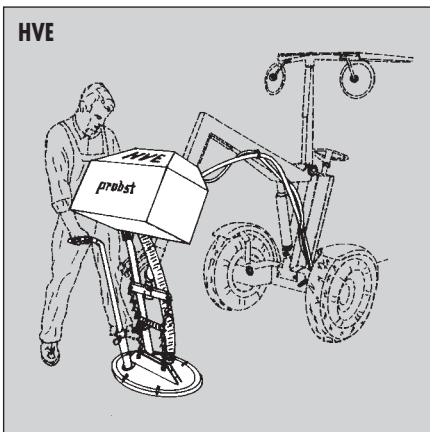
without ADV



with ADV



HVE



Installation Machine VM 203

Universally suitable for laying all paving stone installation units available on the market

Standard equipment, as follows:

- ▶ Hydraulic Installation Clamp HVZ-uni (see description page 1.3).
- ▶ Main and side clamp on the HVZ-uni can be adjusted independently of each other by means of a one lever 4-way valve.
- ▶ Positioning into the running bond is made possible by the side grippers.
- ▶ A 3-cylinder-Kubota-Diesel-engine 18.7 KW/ 25 hp means high performance reserves.
- ▶ **Advantage:** The machine can always be used in the middle RPM range (low noise level).
- ▶ Sensitive hydrostatic front wheel drive.
- ▶ Extra wide types and the differing track widths of the front and rear axle ensure a low degree of stress on the uncompacted pavers as well as a smooth drive.
- ▶ **Wide diameter** tyres and high ground clearance, therefore suitable also in rough terrain.
- ▶ **Wide pivoting range** of approximately 1,600 mm from a standing position is achieved solely by a steering movement – and without shifting of the pavement.
- ▶ **Double articulated steering** enables manoeuvrability in the tightest spaces. All

outer edges are adapted to the steering geometry which means that when there are obstacles there are **no protruding vehicle parts.**

▶ High lifting height enables the handling of double stacked packs up to a height of 1,600 mm, thus saving a considerable amount of driving-time.

▶ Narrow swing means that, even at a great lifting height, the positional stability of the machine is not affected. This, combined with a low overall height, is **important when operating in underground car parks.**

▶ High degree of stability, even in tight turns, is ensured by the low centre of gravity and the advantageous weight distribution achieved by a new arrangement of the chassis, beam and hydraulic unit system.

▶ Unlimited all-round-view for the driver, important when travelling backwards.

▶ Ergonomical positioning of the seat, steering wheel, operating lever and pedals.

▶ An exceptional driver's seat ensures great comfort for an 8-hour working day.

▶ Wide-diameter tyres and elastic clamp suspension give a smooth driving effect.

▶ Large transparent fuel tank with 20 l capacity.

The ADV makes it: Relaxed operation, exact joints, complying with the standards. No readjustment necessary any more. Ask for special info!

Technical Data:

3-cylinder-Diesel-engine, 18.7 kW / 25 hp. · Speed adjustment by hydrostat, max. speed approximately 20 km/h (15 m/ph) · Total height 1,980 mm (78") · Total width 1,220 mm (48") · Total length (without clamp) 3,610 mm (142") · Ground clearance 180 mm (7") · Total weight (without clamp) 1,025 kg (2,260 lbs) · Total weight (with clamp) 1,235 kg (2,720 lbs) ·

Maximum weight of stone formation 300 kg* (660 lbs*) · Lifting off height max. 1,600 mm (63") · Turning radius: front inside wheel 700 mm (27") · front outside wheel 1,900 mm (75") · overall 2,450 mm (96").

Main gripping width of the hydraulic clamp HVZ-uni: 600 mm – 1,240 mm (23 1/2" – 49")

Side gripping width of the hydraulic clamp HVZ-uni: 990 mm – 1,480 mm (39" – 58")

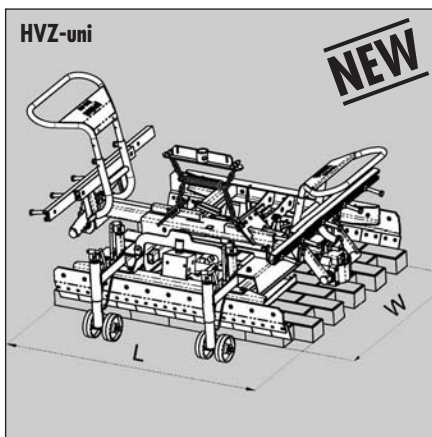
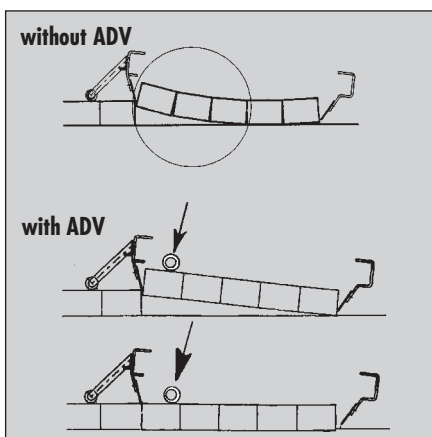
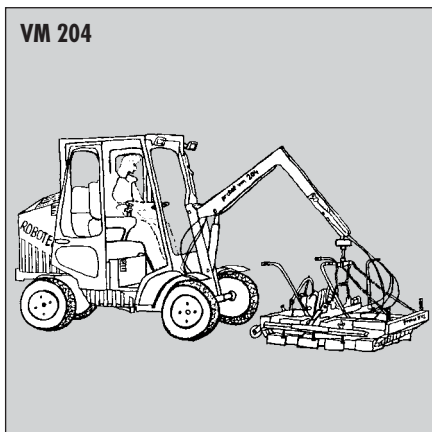
Type	Description	Carrying Capacity* kg (lbs)	Dead Weight kg (lbs)	Order-Number
VM 203	without Hydraulic Clamp HVZ-uni	500 (1,100)	1,025 (2,260)	5150.0002
VM 203	complete with Hyd. Clamp HVZ-uni with Pushing Off Device ADV without rotator	300 (660)	1,235 (2,720)	5150.0005

Accessories

VZ-HS-50/150 Hydraulic Kerb Stone Laying Clamp	(see type list, page 1.7)	5160.0014
PC-VM uni Paver Cat	(see type list, page 1.9)	5160.0030
EB 240 Sweeping Broom	(see type list, page 1.7)	see page 1.7
HVE Hydraulic Vacuum Laying Unit on request	(for the attachment to the VM 203, see type list, page 1.9)	5160.0013
VPM Vacuum Power Max	(see type list, page 2.2)	5241.0002/4
Sweeping and Sand watering System KES VARIOKON		see page 1.10
Rotator Bini, incl. electromagnetic valve		5150.0015
Counter weight* to increase the carrying capacity by 80 kg (175 lbs)	Only necessary for retrofitting HVZ-uni (instead of HVZ standard) at VM 203 up to year 2004 **.	4150.0319
Extra weight* to increase the carrying capacity by 35 kg		4150.0357

*At adequate driving speed and lowered load.

**Counter weight fitted and included as standard at VM 203 as of year 2005.



Technical Data:

3-cylinder-Diesel-engine, 18.7 kW/25 hp., speed regulation via hydrostatic drive, max. speed approximately 20 km/h, total height 1,980 mm (78"), total width 1,220 mm (48"), ground clearance 180 mm (7"), total weight (without clamp) 1,130 kg (2,508 lbs), total weight (with clamp) 1,340 kg (2,950 lbs), maximum weight of stone formation 300 kg* (660 lbs*), lifting off height max. 1,600 mm (63"), turning radius 700 mm (27"), front outside wheel 1,900 mm (75"), overall 2,450 mm (96").

Main gripping width of the hydraulic clamp HVZ-uni: 600 – 1,240 mm (23 1/2 – 49")

Side gripping width of the hydraulic clamp HVZ-uni: 990 – 1,480 mm (39 – 58")

Installation Machine VM 204 >ROBOTEC<

Future-orientated technology – modern design. Universally suitable for laying all common paving stone configurations.

Consequent modernization / improvement of the well-established installation machine VM 203.

- ▶ Big, large-scale driver's cabin with absolutely scratch-resistant safety glass, excellent all-round view and high comfort. Side walls can be removed, doors can be opened.

- ▶ Excellent view to the laying edge.

- ▶ Cabin heating for an adequate working climate.

- ▶ A control panel with futuristic joystick which is fixed firmly to the driver's seat always enables the ergonomic positioning of drivers of different size.

- ▶ Modern, sturdy electronic PLC-control system with switch to select the following processes:

Manual operation: All movements of the installation clamp can be controlled via joystick and pedals.

Semi automatic: Additionally all movements of the pushing-off device are controlled automatically.

Automatic: All movements of the clamp are controlled in their correct sequence via electronic control system. By the joystick any distinct movement can be controlled at any time.

Shifting automatic: Changed working process e.g. for shifting rectangular pavers from cross joint bond into stretcher bond.

- ▶ Counter for work cycles.

- ▶ Hydraulic rotator between clamp and boom for an exact adjustment of the installation clamp from the driver's seat.

- ▶ Stereo-radio with tape recorder.

- ▶ Working lights at front and rear.

- ▶ Integrated, i. e. absolutely damage-resistant wide angle rear view mirror, no "dead angle"!

- ▶ Optimized hydraulic system for a rapid, energy saving working process.

Well proven components have been kept:

- ▶ Hydraulic Installation Clamp HVZ-uni (see

discription page 1.3), automatic pushing-off device ADV for an exact and gapless installation – a saving of time without any further adjustments.

- ▶ Rapid manoeuvrability and absolute stability are achieved by a double-articulated steering and a favourable positioning of the centre of gravity.

- ▶ Unlimited all-round-view – also backwards, for installation machines drive 30% backwards.

- ▶ 3-cylinder-Kubota-Diesel-engine, 18.7 kW/25 hp. – for high capacity reserves. Advantage: it always enables an operation at a medium speed level (low noise level)!

- ▶ Emission-reduced according to ECE 24 and CARB 1 standards.

- ▶ Sensitive hydrostatic front wheel drive.

- ▶ Extra wide tyres and different track widths of the front and rear axle ensure a low degree of stress on the uncompacted pavers as well as a smooth drive.

- ▶ **Wide diameter tyres** and high ground clearance, therefore suitable also in rough terrain.

- ▶ **Wide pivoting range** of approximately 1,600 mm from a standing position is achieved only by a steering movement – and without shifting of the pavement.

- ▶ **Double articulated steering** enables manoeuvrability in the tightest spaces. All outer edges are adapted to the steering geometry which means that when there are obstacles there are **no protruding vehicle parts**.

- ▶ High lifting height enables the handling of double stacked packs up to a height of 1,600 mm, thus saving a considerable amount of driving-time.

- ▶ Narrow swing means that, even at a great lifting height, the positional stability of the machine is not affected. This combined with a low overall height, is **important when operating in underground car parks**.

- ▶ Wide-diameter tyres and elastic clamp suspension for a smooth driving effect.

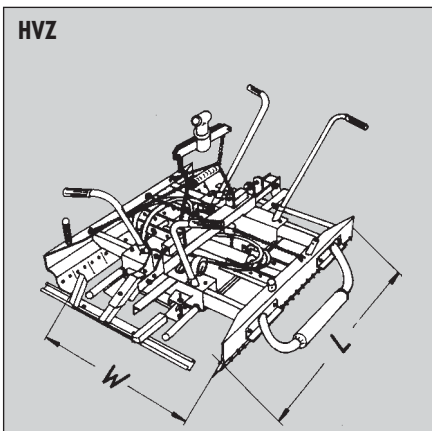
Type	Description	Carrying Capacity* kg (lbs)	Dead Weight kg (lbs)	Order Number
VM 204	without Hydraulic Clamp HVZ-uni	500 (1,100)	1,130 (2,490)	5150.0009
VM 204	Complete with Hydraulic Clamp HVZ-uni and Pushing Off Device ADV incl. Rotator Bini	300 (660)	1,340 (2,950)	5150.0011

Accessories

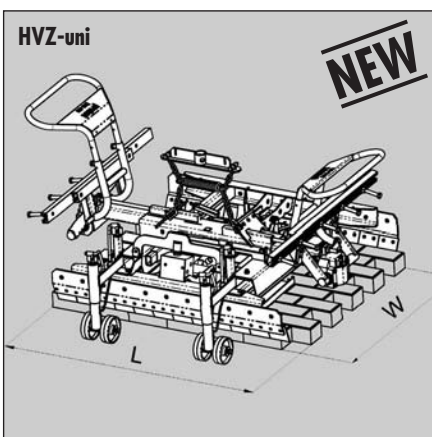
VZ-HS-50/150 Hydraulic Kerb Stone Laying Clamp (see type list, page 1.7)	5160.0014
PC-VM uni Paver Cat (see type list, page 1.9)	5160.0030
EB 240 Sweeping Broom (see type list, page 1.7)	see page 1.7
HVE Hydraulic Vacuum Laying Unit on request (for the attachment to the VM 204, see type list, page 1.9)	5160.0013
VPM Vacuum Power Max (see type list, page 2.2)	5241.0002/4
Sweeping and Sand watering System KES VARIOKON	see page 1.10
Counter weight* to increase the carrying capacity by 80 kg (175 lbs)	4150.0319
Extra weight* to increase the carrying capacity by 35 kg (can also be used in addition to the 80 kg counter weight).	4150.0357

* At adequate driving speed and lowered load.

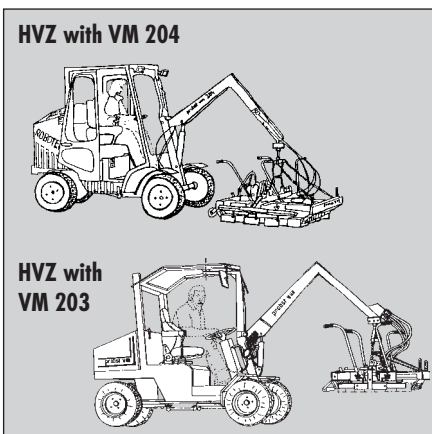
HVZ



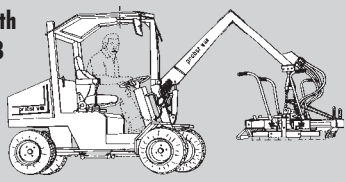
HVZ-uni



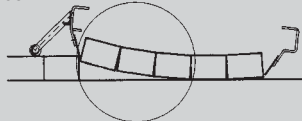
HVZ with VM 204



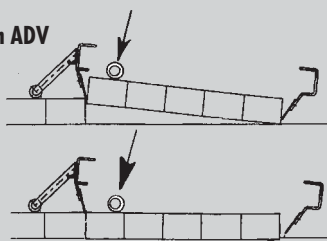
HVZ with VM 203



without ADV



with ADV



Hydraulic Installation Clamp HVZ and HVZ-uni

Both types are universally suitable for laying all paving stone installation units available on the market when combined with the various carriers

HVZ and HVZ-uni Standard Specifications:

- ▶ Universally adjustable main gripping width beared on a maintenance-free steel-polyamide guideway.
- ▶ Adjustable side gripper for the exact shaping of the installation pattern (shaping device).
- ▶ Height adjustable stops for adjusting the gripping depth for different thickness of blocks.
- ▶ 2-position-suspension with springs to lessen the swinging caused by the driving movement.
- ▶ Additional chain to move the clamp diagonally enabling easier positioning and a much more precise installation of the blocks.
- ▶ Manually operated turning device which locks place after 90°.
- ▶ Hydraulic pressure regulating valve to protect the parts from too much strain.
- ▶ Oil pressure gauge.
- ▶ Independent steel grippers – ensuring a

such as VM 203 (1.1) and VM 204 (1.2), hydraulic excavators, wheel loaders, backhoes, fork lift trucks, truck mounted cranes, special machines.

firm grip on single blocks when carrying large sets of blocks. The steel gripper length of 50 mm is variable up to about 1,350 mm.

▶ Handles for optimal guidance of the clamps by the operators. The handles are easily removed allowing the machine access to narrow places.

Only Type HVZ:

- ▶ Hydraulic System to operate main and side grippers independently when the carrier has only one hydraulic circuit available.
- ▶ The hydraulic system allows an optimum of movement: 1. Eliminates the diagonal gaps by the side grippers L. 2. Ensures safe gripping of the unit by the main grippers width W. 3. Swinging off the side grippers before the actual paving operation begins so that it is possible to pave directly to a surface already paved. 4. The main gripping width opens to lay down the paving blocks in the laying course.

Hydraulic Installation Clamp HVZ uni **NEW**

The HVZ uni is the consistent development of the HVZ which is proven in several thousands of units. Even more universal in use, more robust in design and more easy to adjust this device incorporates the experience of

HVZ uni/HVZ standard convenient design:

- ▶ Setting off the main and side clamping width made simple and easy without tools by using scale pointers.
- ▶ The side clamping arms swing up completely in order to allow laying close to a wall sideways without any gap.
- ▶ The powerful side clamp achieves easy shifting of undentated pavers into the running bond.
- ▶ Gripping depths and height of the support wheels can be adjusted without tools easy and quickly.

2 decades in mechanical installation. It can be used in conjunction with the laying machine VM 203 and VM 204 as well as other carriers which provide two hydraulic circuits to operate the clamp. All advantages of the HVZ are integrated in the HVZ uni.

▶ Patented pushing-off technology ADV guarantees installation complying with the regulations: During the laying process the individual pavers creep apart by approx. 0.5 – 1 mm (in addition to the spacer bars). This joint distance must not be eliminated by hammering! Because the pavers can not cock during the laying process time consuming readjustment is avoided.

▶ Pushing off device ADV* as a standard feature integrated in the type HVZ uni.

Type	Main Gripping Width W mm (in)	Gripping Depth E mm (in)	Side Gripping Width L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
HVZ	570 – 1,180 (22 1/2 – 46 1/2")	110 (4 1/4")	990 – 1,300 (39 – 51")	400 (880)	190 (419)	5140.0001
HVZ-uni*	600 – 1,240 (23 3/4 – 49")	85 (3 3/4")	990 – 1,480 (39 – 58")	400 (880)	210 (463)	5140.0017

* Equipped as standard for operation with 2 hydraulic circuits. That means, the carrier has to supply 2 hydraulic circuits. One circuit operation on request!

Pushing Off Device ADV

When laying pavers on the laying course without the ADV, the blocks often cock, once the clamp is opened.

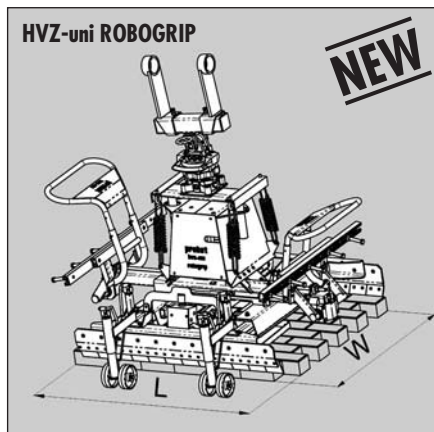
▶ The ADV presses the blocks into the laying course automatically, once the clamp is opened

and so avoids this cocking of the blocks.

Advantage: A lot of time is saved by not having to go back and reposition the blocks by hammering them into the correct pattern, a much more even pattern is achieved.

Type	Dead Weight kg (lbs)	Order-Number
ADV	8 (18)	4140.0007

Technical data contained in this catalogue can be modified without prior notice in the interest of progress.



Hydraulic Installation Clamp HVZ-uni ROBOGRIP for universal use with excavators

The powerful attachment for excavators with "brain"

Using only one hydraulic circuit, all movements of the grab are controlled by a programmable sequence control, even to shift the pavers into the running bond. The excavator operator just starts the gripping and releasing action by pulling one lever. All the rest is done by the software without the need of electrical supply during operation.

The brain of the device is the programmable sequence control, which is situated in a "black

box" under the suspending frame. With the software the different movements of the clamp are controlled and operated fully automatically.

By using another hydraulic circuit the operator can rotate the attachment hydraulically continuously very sensitively. The hydraulic rotator is included in the standard equipment.

Standards specification includes:

- ▶ Hydraulic Installation clamp HVZ-uni (see opposite page typelist 1.3).
- ▶ ROBOGRIP box unit with hydraulic and electronic control, battery, counter as well as spring loaded suspension for exact positioning of the clamp.
- ▶ Hydraulic rotator with continuous rotation and universally suitable excavator suspension

(to operate the rotator) a second hydraulic circuit has to be supplied by the excavator.

- ▶ Hydraulic hoses and couplings.
- ▶ Battery loading cable approx. 10 m.
- ▶ 10 shifting adapters to shift rectangular pavers into the running bond.

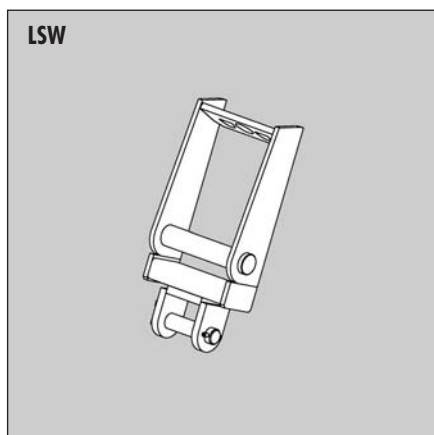
Type	Main Gripping Width W mm (in)	Gripping Depth E mm (in)	Side Gripping Width L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
HVZ-uni ROBOGRIP	600 – 1,240 (23 1/2 – 49")	85 (3 1/4")	990 – 1,480 (39 – 58")	400 (880)	340 (750)	S-5140.0018

Accessories

Adapter suspension for "Lehnhoff" quick-change-device LSW

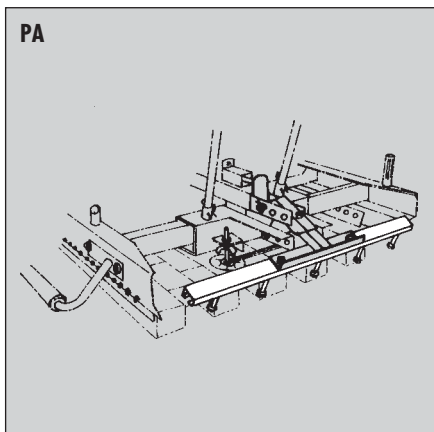
By using the SW, the HVZ-uni ROBOGRIP can be fitted to all kind of excavators which are

equipped with the Lehnhoff quick-change-device.

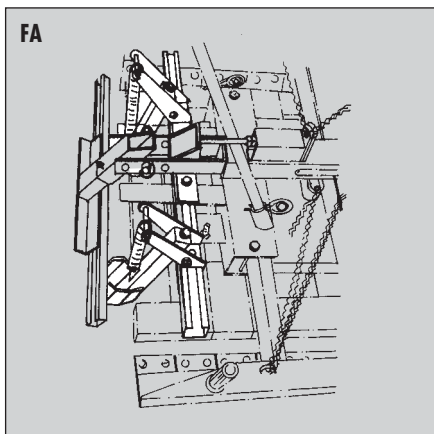


Type	Size	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
LSW 01	Suitable for Lehnhoff-Type MS 01	800 (1,760)	19 (40)	4011.0178
LSW 03	Suitable for Lehnhoff-Type MS 03	1,000 (2,200)	29 (64)	4011.0179
LSW 08	Suitable for Lehnhoff-Type MS/HM 08	1,000 (2,200)	75 (165)	4011.0180

PA



FA



SA



Accessories

Hydraulic Installation Clamp HVZ and HVZ-uni

Adapter

For some installation units it can be advantageous or even necessary, predominantly for the side grippers, to use a special adapter in order to achieve optimal gripping.

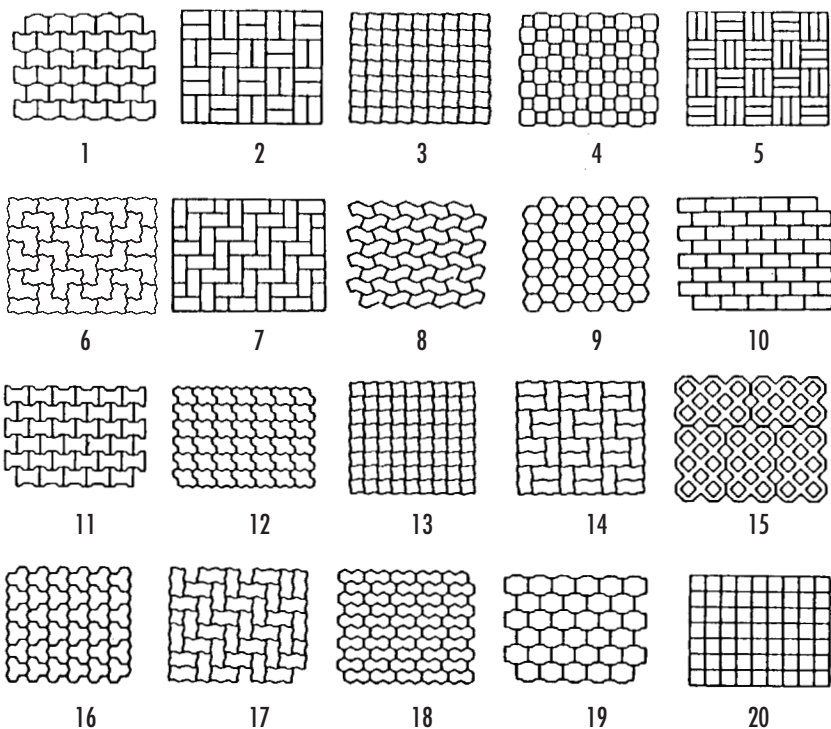
▶ The shifting adapter PA is used with rectangular stones, for instance, to shift pavers into the running bond. (Please, indicate stone formation).

▶ When laying installation units in the herring-bone pattern, it is better not to bother with the half stones on the sides and to use a herring-bone adapter FA instead (Please, indicate stone formation).

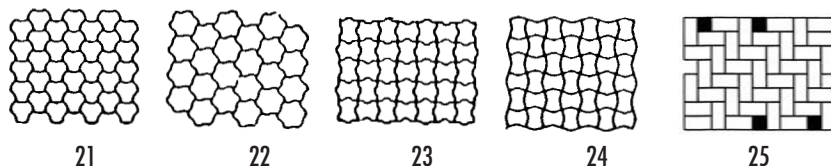
▶ Special adapters SA for installation units 21–24 or similar are available on request (Please, indicate stone formation).

Type	Dead Weight kg (lbs)	Order-Number
PA, consisting of: 2 C-Profiles, 10 positioning adapters Please find further information on length of adapter, etc. in our data-sheet N230-4D005	5 (11)	S-4140.0003
FA-Adapter for HVZ if required:	18 (40)	4140.0118
FA external bow for HVZ see stone formation No. 25	4 (9)	4140.0119
FA-Adapter Version HVZ-uni (external bow not required)		4140.0277
SA	—	4140.0009

1. The stone formations 1 – 20 shown below are suitable among others for mechanical installation. Other stone formations can also be laid by machines as long as the stones are packed in the correct formation ready for the machine to lay them.

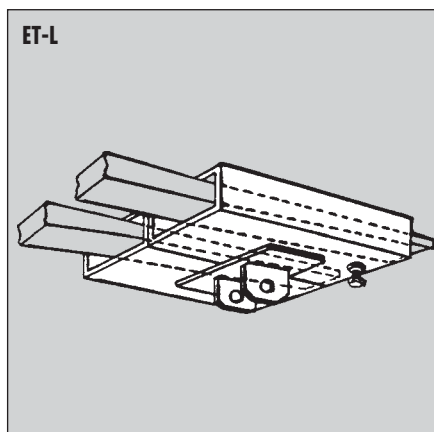


2. The stone formations 21 – 24 are suitable for mechanical installation by the special adapter.



3. For other stone formations (not shown), please send in a mould layout.

Technical data contained in this catalogue can be modified without prior notice in the interest of progress.



Accessories

Hydraulic Installation Clamp HVZ / HVZ-uni

Hydraulic connection hoses to connect the HVZ to the carrier. Connection: 12 L Cutting Ring.
2 Hoses are necessary per machine.

Type	Order-Number
HD connection hose 600 mm (24 inch) long for hydraulic rotator VZ-HS / Indexator 12 L	2200.0081
HD connection hose 1,100 mm (44 inch) long for hydraulic rotator HVZ 10 L	2200.0032
HD connection hose 1,700 mm (67 inch) long – HVZ 12 L	2200.0007
HD connection hose 2,500 mm (10 inch) long – HVZ/VZ-HS 12 L	2200.0014
HD connection hose 3,000 mm (10 inch) long – HVZ 12 L	2200.0312

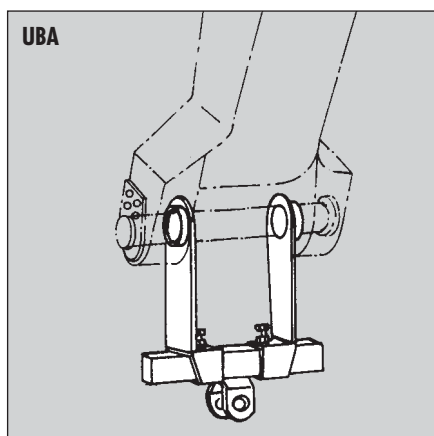
Please ask for our data-sheet N 230 - 4D004 showing further attachment variations.

Fork Sleeves ET-L

For fork lift trucks, with a lock screw and suspension for HVZ.

► Using this the HVZ can be quickly and easily fastened to any carrier (with a fork attachment).

Type	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
ET-L	600 (1,320)	9 (20)	4140.0001



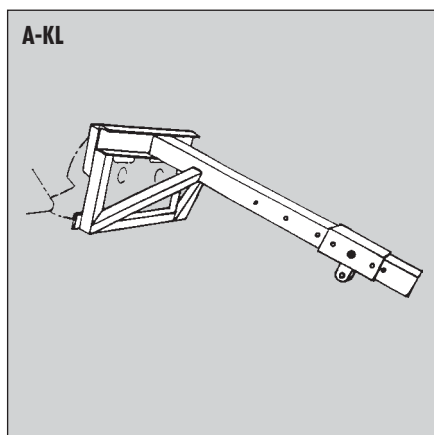
Universal-Excavator-Suspension

Suitable for most current excavators, maximum bolt diameter up to 60 mm.

► Advantage: The HVZ can be quickly and easily fastened to any excavator.

Type	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
UBA 400	400 (880)	9 (20)	4011.0114
UBA 600	600 (1,320)	12 (26)	4140.0002
UBA 3000	3,000 (6,600)	18 (40)	4140.0088

Type	Order-Number.
Rotator Bini – for excavator incl. electromagnetic valve required:	5140.0004
Adapter for Rotator Bini	4011.0122



Crane Boom A-KL

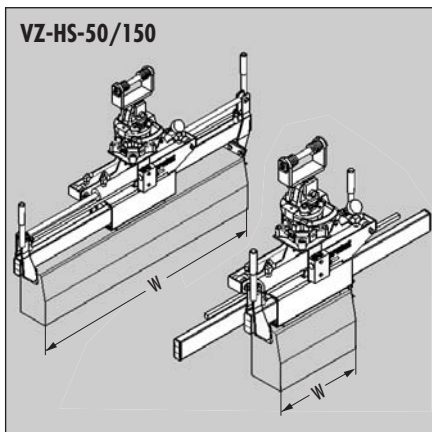
For skid steered loaders, with variable reach. This takes the weight off the back tyres of the skid steered loader and thus protects the new laid pavers from being shifted by steering movements.

It is also advantageous when using other attachments on the skid steered loader, eg. slab clamps, kerb stone laying clamps and such like.

Type	Reach max. mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
A-KL	1,350 (53")	500 (1,100)	40 (88)	4140.0006

When ordering, please state make and type of loader.

VZ-HS-50/150



Additional Equipment for the Installation Machine VM 203/VM 204 or other carriers

Hydraulic Kerb Stone Laying Clamp VZ-HS

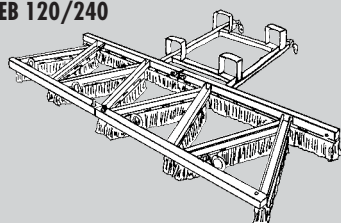
With this universal clamp heavy and different sized kerbstones (granite and concrete) can be transported and installed safely and efficiently. **Fits all kind of carries, supplying one hydraulic circuit.**

- ▶ Joint plate for mounting a hydraulic rotator, or quick change device for attachment to the VM 203/VM 204 incl. suspension.
- ▶ Rubber protected hight stop
- ▶ Steel finger grippers
- ▶ Manually adjustable pressure relief valve.
- ▶ Oil pressure manometer

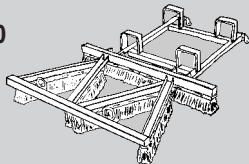
Type	Opening Width W mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
VZ-HS-50/150	460 – 1,460 (18 – 57 1/2")	400 (880)	75 (165)	5160.0014
Rotator Bini		1,000 (2,200)		2250.0013
Rotator Indexator				2250.0001
Adapter between UBA and Rotator Bini				4011.0122
Bypass restrictor for Indexator				4190.0011
Hydraulic hoses (see type list 1.6)				

Please ask for our data-sheet N 282 - 4D005 showing attachment variations.

EB 120/240



EB 120



Sweeping Broom EB

For efficient sand sweeping after the laying of block pavers. Fastest filling of the joints by innovative system of brush-arrangement.

- ▶ This sweeping broom does not only brush the sand horizontally into the joints, but also diagonally. So the sweeping is a one-way procedure.
- ▶ Surplus of sand can easily be shoved further on.

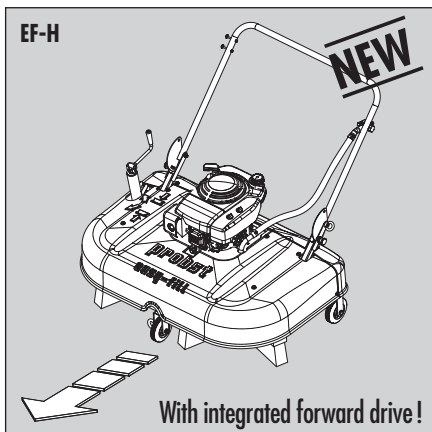
- ▶ Modular principle of design for flexible working width 1,200 and 2,400 mm (or for attachment to wheel-loaders 3,600 mm).

Standard Specifications:

- ▶ With attachment device for Probst laying machine VM 203/204 as well as for fork-gripping.

Type	Specification	Working Width mm (in)	Dead Weight kg (lbs)	Order-Number
EB 120/240	Sweeping Broom complete incl. linkage	1,200 or 2,400	105 (230)	5160.0021
EB 120	Sweeping Broom complete incl. linkage	1,200 (47")	64 (140)	5160.0019
AE 120	Attachment Device	1,200 (47")	41 (90)	5160.0020
Brush	Brush for EB per piece			4160.0002

The broom can easily be attached to any other carrier – wheel loader, for example.



Easy-Fill Paver Jointing Device EF-H

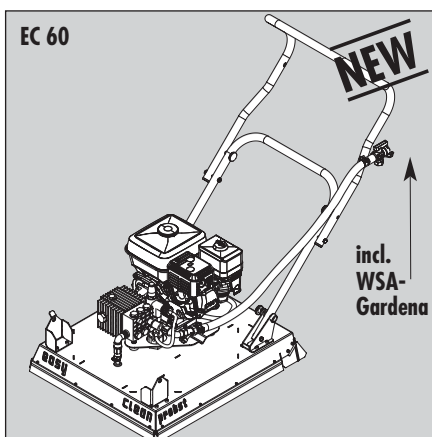
Easy, flexible, quick and thus cost-saving filling of paver joints for small and medium sized areas. Filling material can be filled in both dry or by adding water.

Your Advantages:

- ▶ **High Physical Relief of Staff**
80% less pushing force due to cleverly designed rotating brushes. This results in an integrated forward drive!

- ▶ Robust and Long-life Brushes
Up to 50mm of the bristle length can be worn before replacement.
- ▶ Continuous & Quick Adjustment of brushes in height through a spindle fixed to the machine.
- ▶ Compact Transport Size
A foldable handle reduces the size to (LxWxH) 800x1,170x635mm.
- ▶ Fine Dosing of Water
with tap integrated in handle.

Type	Working width mm (in)	Engine	Dead Weight kg (lbs)	Order-Number
EF-H	1,170 (46")	Honda, GXV 160, 4 KW at 3600RPM	89 (195)	5170.0003
Brush for EF-H				4170.0002



Easy-Clean Paver Cleaning Device EC 60

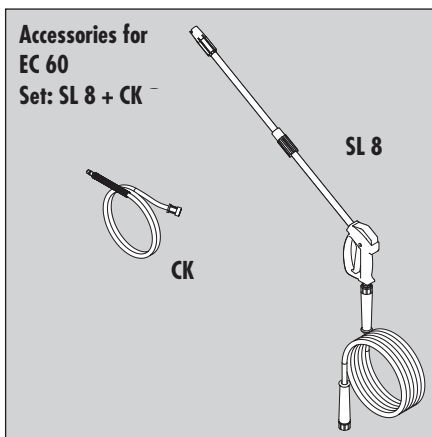
Highly efficient, engine-equipped high pressure cleaner with splash guard. It enables fast and consistent cleaning of concrete pavers, slabs and natural stone pavement even during the trading hours in pedestrian areas!

Your Advantages:

- ▶ **Cleans Up to 5 Times More**
compared to lance-equipped pressure washers. 2 fast rotating special spray nozzles ensure that.
- ▶ New Looking Pavement
in colour and structure by even surface and joint cleaning in one go.
- ▶ Independent from Power Supply
due to powerful gasoline engine.
- ▶ Reduced Preparation Time
since the splash guard is an excellent protective measure. Thus no fouling of the surrounding area and the user. This modern design makes protective clothes for the user be antique.
- ▶ Save Cleaning of Joints

The joints are cleaned from sediments and moss only up to a certain low depth. Nevertheless highly stressed, travel on areas should get some additional filling afterwards.

- ▶ High Safety for Surrounding Area
due to covered work space.
- ▶ Dirt is Flushed Aside
by an integrated flushing system.
- ▶ Improved Water Permeability
Sediment-free joints allow more water to pass.
- ▶ Easy Moving of Machine
4 big wheels below the splash guard allow easy handling.
- ▶ Handle with integrated stop cock
for water supply cut-off.
- ▶ Compact Transport Size
A foldable handle reduces the size to (LxWxH) 800x600x500 mm which suits most car boots.
- ▶ Long-Life Splash Guard
Stainless steel protects against rust.



Accessories for EC 60
Set: SL 8 + CK

Including Water Hose Adapter WSA-Gardena as a standard feature (adapter for connecting the EC 60 bayonet coupling to a Gardena water hose coupling).

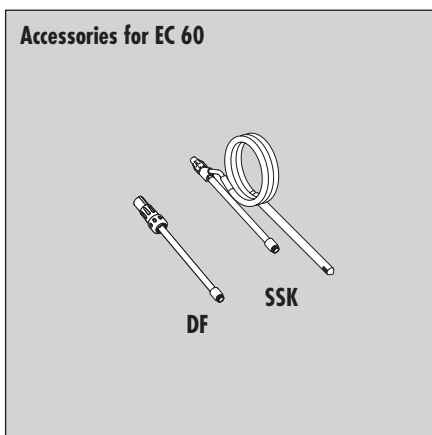
Type	Working Width mm (in)	Engine	Dead Weight kg (lbs)	Order-Number
EC 60	600 (23 1/2")	Honda, GX 160 T 4 KW at 3600 RPM	50 (110)	5170.0004

Accessories

Set: Spray Lance SL 8 and Chemical Kit CK
Spray Lance SL 8: Complete spray lance, nozzles adjusted to the high pressure pump, lance head with integrated switch for high/low pressure, including high pressure hose with 8 m length.
Chemical Kit CK: Our high pressure pump is equipped with a metering unit for chemical additives. The CK enables the intake and the dosage of such additives from containers.

Dirt Drill DF: Spray lance head with integrated dirt drill for erasing heavy dirt. Can be fixed within seconds to the SL 8.

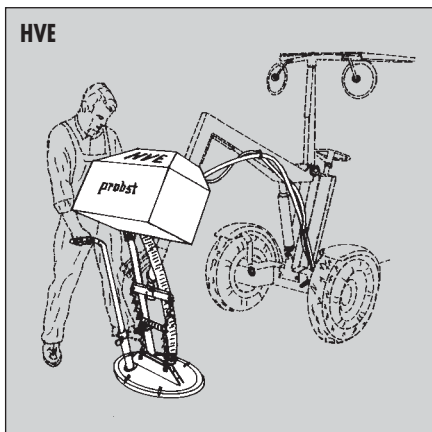
Sand Blasting Kit SSK: For erasing persistent dirt up to derusting and similar applications. This kit allows intake and dosage of sand for blasting (sand is not included in kit).



Accessories for EC 60

Type	Order-Number
Spray Lance SL 8 and Chemical Kit CK	2611.0032
Dirt Drill DF	2611.0026
Sand Blasting Kit SSK (0,1 - 0,5 mm grain quartz sand)	2611.0033

HVE



Additional Equipment for the Installation Machine

VM 203/VM 204 or other carriers

Hydraulic Vacuum-Laying Unit HVE

The combination of the manoeuvrability and speed of the Installation Machine VM 203/VM 204 with the vacuum laying technology produces new uses:

- ▶ Efficient working
- ▶ Easy and exact installation
- ▶ Jointless smooth installation of large concrete or natural stone elements.

▶ Also suitable for very rough surfaces and porous stone.

▶ Easy removal of elements already laid.

▶ Various suction plates available for different use to be attached within seconds to the HVE by means of a quick-change device.

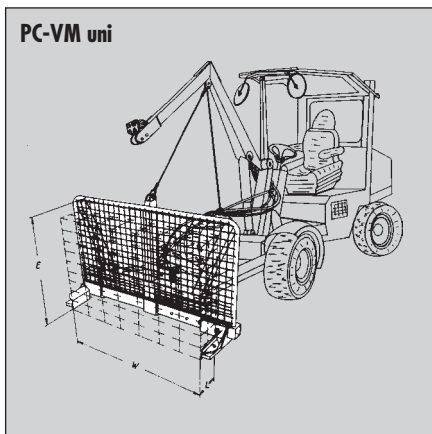
▶ Can be fitted to the installation machine VM 203/VM 204 or other carriers. Hydraulically powered.

Type	Power	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
HVE	Hydraulic, approximately 16 l/min. (4.3 g/min), end pressure approximately 200 bar, free return to tank	Dependent on carrier + suction plate up to a maximum of approximately 1,000 (2,200)	According to equipment approximately 60 (130)	5160.0013

VPM Vacuum Power-Max see type list, page 2.2

5241.0002/4

PC-VM uni



Paver Cat PC-VM uni

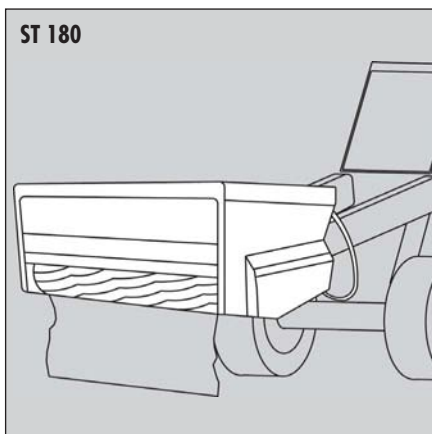
Special version for use with the VM 203/VM 204. Enables the quick and secure distribution of a row of paving blocks.

The wide opening range allows the transportation of other concrete products such as paving slabs, kerb stones and blocks for building walls.

Type	Gripping Width W mm (in)	Stack Height E mm (in)	Gripper Length L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
PC-VM uni	400 – 1,300 (15 ³ / ₄ – 51")	850 (33 ¹ / ₂ ")	200 (7 ³ / ₄ ")	500 (1,100)	120 (265)	5160.0030

(see page 1.14 for Paver Cat for skid compact loader).

ST 180



Profi-Spreading-Bucket ST 180

This powerful attachment device for wheel-loaders increases the productivity and lowers the costs.

▶ Versatile use – for sand, chipping, gravel, peat or topsoil up to a grain size of 100 mm.

A surface of 5.000 sqm can be spread per hour!

▶ Before joint-filling of freshly laid pavers and slabs, the time-intensive work of sand-distribution has to be done. Here the ST 180 saves time, working potential and costs.

▶ Quick loading of the bucket: The hydraulically driven ST 180 is fitted to a wheel-loader. Like with a normal wheel-loader-bucket the operator drives into the sand-heap and tilts the bucket backwards. The bucket holds 900 litres.

▶ High working quality and spreading efficiency, with adequate rates: The spreading width of the ST is 1,800 mm. In the full width the spreading quantities can be adjusted between 5 and 100 kg per sqm.

▶ An absolutely one-man-device. The driver of the wheel-loader can do all operations by himself!

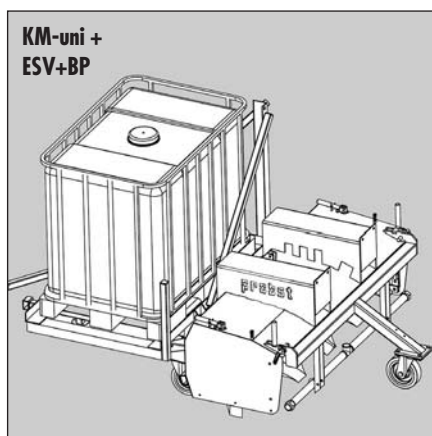
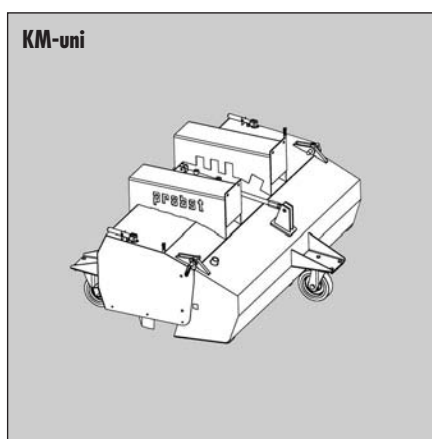
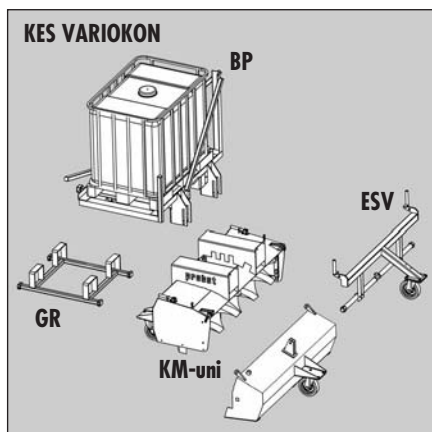
▶ Innovative spreading technology

▶ Self-cleaning spreading roller

▶ Highest Working Security

▶ With quick-change-device for attachment to a wheel-loader.

Type	Spreading Width mm (in)	Power	Loading Capacity (liter)	Spreading Quantity (kg)	Spreading Material mm (in)	Dead Weight kg (lbs)	Order-Number
ST 180	1,800 (71")	hydraulically	approx. 900	adjustable 5 to 100 kg/m ³	versatile up to a grain-size of 100 (4")	480 (1,060)	5160.0022
Universal-attachment-device for attachment to lifting plate of wheel-loader							5100.0049
Quick-change-device for wheel-loader (please indicate type)							5100.0050



Sweeping and Sand Watering System KES VARIOKON

Variable and convertible, covers the whole process of joint sanding and cleaning on paver jobs.

Consistent conversion of the well proven strategy, to offer multi functional modules instead of lots of individual devices.

The system can be extended at any time in order to cover each individual required application such as:

▷ Sweeping device for loaders, fork lifts and/or laying machine VM, to do the joint sanding as well as the cleaning on paver jobs.

▷ Sand watering device für paver jobs, to be operated with wheel loaders, forklifts or laying machine VM, with integrated water container or with direct water connection.

▷ Quick jointing of ecological pavers with wheel loaders, fork lift or laying machine.

Modules: Sweeping Machine KM-uni

▷ Hydraulically driven brush, hydraulic motor integrated, no parts sticking out sideways.

▷ Special brush with spiral design, with integrated height adjustment for exact setting for the different working procedures such as cleaning, joint sanding or sand watering.

▷ Large volume dirt collecting box can be emptied-out hydraulically.

▷ Only one hydraulic circuit to operate both sweeping and opening and closing of the dirt collector box.

▷ Integrated suspensions for forks.

▷ Water spraying pipe integrated in dirt collector to avoid dust.

▷ With extra wide wheels for not getting stuck in wide ecological joints.

▷ For operation on laying machine VM the following modules are necessary: AH-KM, GR.

Water Flushing Attachment ESV

▷ Large water distributing pipe with spraying holes, for water supply through container or direct water supply, connection 3/4".

▷ Simple and quick exchange against the dirt collecting box by three pins.

Suspension AH-KM

▷ Suspension between attachment and laying machine VM to lift-up the sweeping machine with or without container attachment BP.

Frame GR

▷ To adapt the KM-uni to the laying machine VM, also suitable to attach the sweeping broom EB 120/240, (see page 1.7) to VM.

Container Attachment BP

▷ BP including large volume, exchangeable water container, 640 liter, directly attachable to laying machine VM or forks of loader or forklift.

Water Automatic Element WAE

▷ To open and close the water supply by using the hydraulic circuit for rotation. Makes specially sense when using water supply out of the container.

Recommended combinations:

▷ Wheel loader or fork lift operation with direct water supply for sweeping and sand watering: KM-uni, ESV

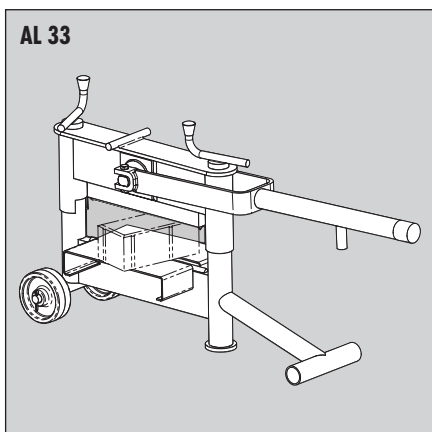
▷ Laying machine, wheel loader or forklift operation without direct water connection for sweeping and sand watering operation, KM-uni, ESV, BP, AH-KM, WAE

▷ The same as above, but with direct water supply, KM-uni, ESV, AH-KM, GR

▷ Sweeping machine for wheel loader or forklift: KM-uni.

Type	Description	Dead Weight kg (lbs)	Order-Number
KM-uni	Sweeping machine, working width 1.600 mm	270 (595)	5160.0026
ESV	Water flushing attachment ESV	38 (84)	4160.0067
BP	Container attachment BP incl. water container	150 (331)	4160.0068
AH-KM	Suspension for laying machine operation	5 (11)	4160.0072
GR	Frame for laying machine operation	15 (33)	4160.0047
WAE	Water automatic element	2 (4)	4160.0070
KES VARIOKON	Consisting of KM-uni, ESV, BP	463 (1,020)	S-5160.0027

AL 33



Block Cutters AL

High stability, yet light weight, exact cutting ability.

Fast manual operation due to the favourable transmission of the eccentric lever.

▶ Simple and quick adjustment of the cutting height by the height adjustment screws.

▶ Suspended upper blade even cuts materials with a conical cross-section (such as kerb stones).

Type AL 43/U cuts kerb stones up to 300 mm high.

▶ Spring loaded suspending table ensures an exact cut.

▶ Both blades, top and bottom, have 4 cutting edges, thus ensuring a long life.

▶ The blades can be turned quickly and easily.

Type	Cutting Length mm (in)	Cutting Height mm (in)	Dead Weight kg (lbs)	Order-Number
AL 33	330 (13")	10 – 120 (1/2 – 4 3/4")	40 (88)	5120.0001
AL 43	430 (17")	10 – 120 (1/2 – 4 3/4")	60 (130)	5120.0002
AL 43/U	430 (17")	10 – 300 (1/2 – 11 3/4")	65 (145)	5120.0003
AL 65	650 (25 1/2")	10 – 120 (1/2 – 4 3/4")	80 (175)	5120.0004
AL 33/S	325 (12 3/4")	10 – 135 (1/2 – 5 3/8")	70 (155)	5120.0010
AL 43/S	430 (17")	10 – 135 (1/2 – 5 3/8")	75 (165)	5120.0011
AL 65/U	650 (25 1/2")	10 – 300 (1/2 – 11 3/4")	87 (190)	5120.0006

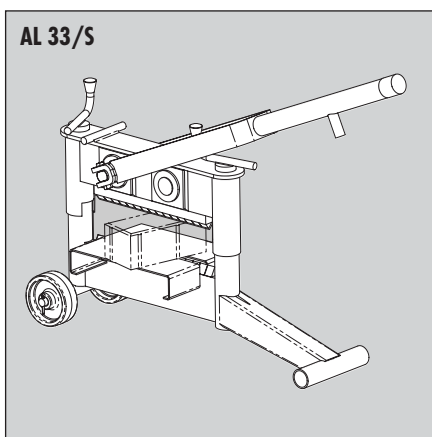
AL 33/S and 43/S

For cutting clay pavers, natural stones and concrete pavers.

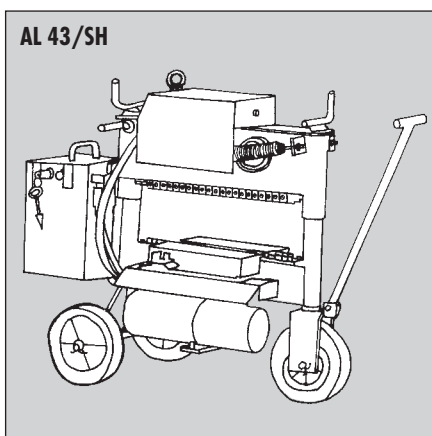
With strengthened single spring-loaded cutting teeth which can adjust to cope with the unevenness of the blocks.

▶ So clay pavers and natural stones also with uneven surfaces (differences up to 4 mm) can be cutted without any problems.

AL 33/S



AL 43/SH



Hydraulic Stone Cutter

Easy cutting of concrete pavers and slabs, even with exposed aggregates as well as natural stones. Hydraulically powered, driven by battery.

▶ The constant pressure of the 5 hydr. pistons on the cutting blade grants a perfect cutting quality.

Height-difference on the surface up to 4 mm is equalized by single spring-loaded teeth on the cutting blade.

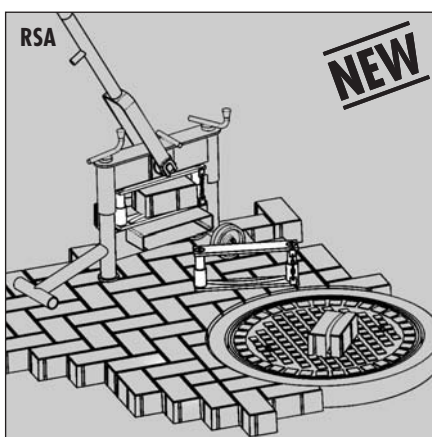
▶ With battery charger

▶ Pressure 14,000 kg

Type	Cutting Length (mm) (in)	Cutting Height (mm) (in)	Dead Weight (kg) (lbs)	Order-Number
AL 43/SH	180 – 440 (7 – 17 1/4")	10 – 200 (1/2" – 7 3/4")	110 (245)	5120.0035

RSA

NEW



Radial Cut Adapter RSA

The RSA converts each standard block cutter into a radial cutter within seconds.

Simply brilliant:

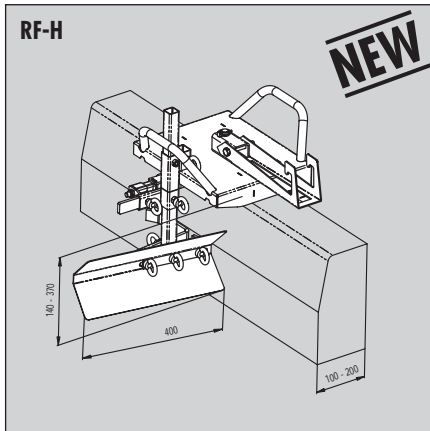
Now concrete pavers can also be cut with a radius. So connections around manhole covers can be done precisely, quickly and professionally without breaking the optics.

▶ Suitable for outside diameter of manhole covers of approx. 700 – 800 mm.

▶ Easy handling, RSA has only to be positioned between the two plates of the cutter. The RSA does not have to be rigidly fixed in this position.

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

* Min. required distance between plates 140 mm



Gutter Fix RF-H Screeding System for lean concrete

The Gutter Fix RF-H is a professional device for road construction.

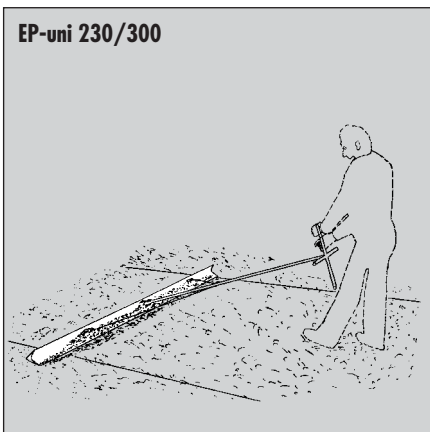
In one working step large paving blocks are installed in lean concrete to form this gutter. No more time consuming screeding work!

- ▶ Time saving due to easy handling.
- ▶ The RF-H can be pushed by one operator, if required a second operator can assist in pulling with an integrated standard hooking point for shovel.
- ▶ The adjustment of the ground level and the width of the kerb is done simply and quickly by using clamp bolts (no tools are necessary).

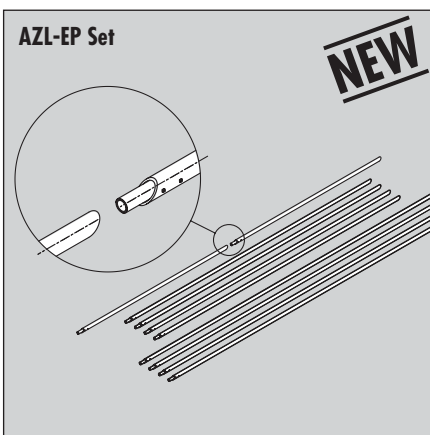
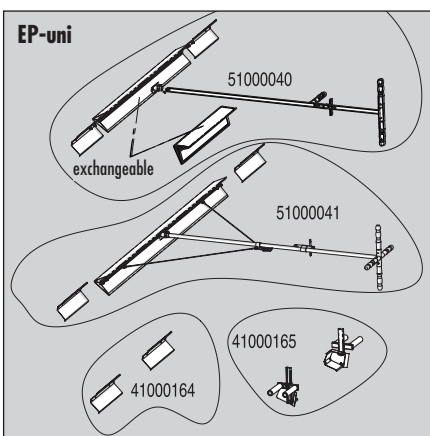
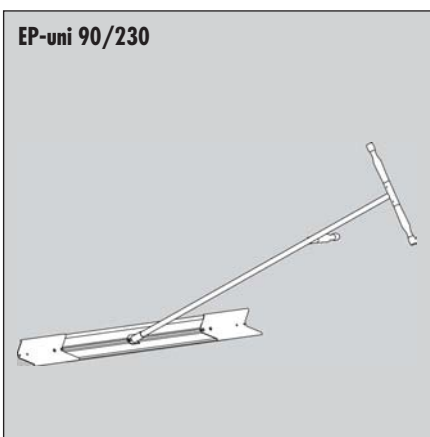
- ▶ Large rollers which are touching the top surface and the rear surface can be easily pushed.
- ▶ The plowshare is made of extremely high wear-resistant V2A stainless steel.

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	500 (15 ³ / ₄ "	100-200 (4-7 ³ / ₄ "	140-370 (5 ¹ / ₂ -14 ¹ / ₂ "	14 (31)	5100.0053

EP-uni 230/300



EP-uni 90/230



Easy-Plan EP-uni The smart handscreeding system

The EP-uni is an optimal hand-tool for an economical performance of smaller and medium-sized sites. With this device you do it quicker, easier and better.

► **Continuously adjustable telescopic elements.**

With only one system you can screed different working widths easily and exactly.

EP-uni is adjustable to the required working width between 900 and 2,300 mm respectively between 2,300 and 3,000 mm.

► With two telescopic elements the basic Alu-profile can be enlarged by maximum 700 mm.

► Set 90/230 for working width 900 up to 2,300 mm

► Set 230/300 for working width 2,300 up to 3,000 mm

► Flanged at the sides, height-adjustable roller units take the height off existing kerbs, pavers or similar. This is possible not only with the basic element but also with the telescopic elements. No further rail gauges are necessary, thus granting additional time-saving!

► Including special key for fast mounting of the telescopic elements and the roller units.

► No torsion with the strong Alu-profile, even at working-widths up to maximum 3 m!

► Due to special design, the profile does not leave the screeding rail even when working with large quantities of screeding material.

► The three-dimensional handle of EP 230/300 is adjustable to the required angle-positioning.

► The special design of the handle enables the operator to use the weight of his body to exert pulling force in every position of the EP-profile.

► With the 900 mm EP the screeding material can be carried and filled exactly into the gaps left by the screeding rails, for example water-pipes.

► Handle removable for transport.

Type	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 – 2,300 (35 1/2 – 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 – 3,000 (91" – 118")	15 (33)	5100.0041
EP-uni 900	900 (35 1/2")	6 (13)	5100.0044
EP-uni 1.600	1,600 (63")	8 (18)	5100.0045
EP-uni 2.300	2,300 (91")	11 (24)	5100.0046
Set of Roller Units for EP-uni (can be added later)		7 (15)	4100.0165
1 Set of Telescopic Units for EP-uni 2 x 350 mm (13 1/2")		3 (6,6)	4100.0164

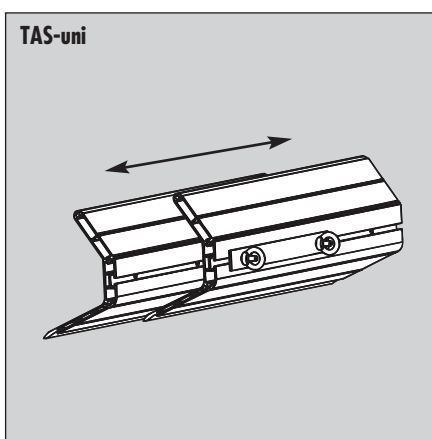
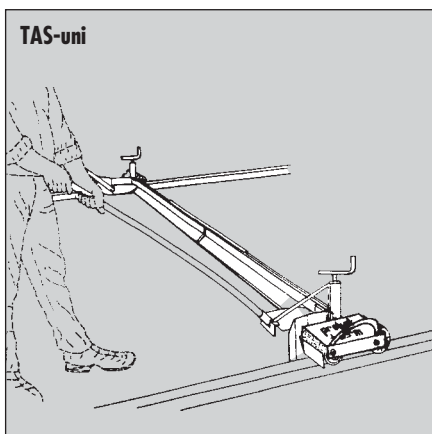
Screeding Rail Kit AZL-EP for Handscreeding System Easy-Plan EP-uni

Through integrated plug-in connections it is very easy to join these lightweight screeding rails together. A cubical inclined plane of section gives inlined joints in each direction. Impossible to hook in with the wipers.

► Non-corroding due to use of galvanized steel pipes.

► Simple, robust, integrated plug system. Undetachably!

Type	Number of Parts	Total Length m (feet)	Dead Weight kg (lbs)	Order-Number
AZL-EP Set	consisting of: 2 x 1,5 m, 4 x 2,5 m, 4 x 3 m	25 (82.5)	41 (90)	5100.0057



Telescopic Screeding System TAS-uni

Universally suitable for precise and flexible screeding of laying courses on both, large and small sites. Comfortable upright working position.

► Consisting of the following components:
Telescopic aluminium screeding profiles, height adjustable roller units on either side, pulling elements.

► The aluminium profile has been optimized. So the device does neither move upwards when pulled by hand nor when pulled with chains mechanically. In one run a clean and exact screed can be produced.

► The profile was increased in order to be able to move more material when the pre-distribution of the screeding material is very rough.

► Step above the roller unit on which the operator can stand to increase the pressure to the ground when using the TAS-M mechanically.

► Working width up to 6,000 mm (20 feet) by duplicating the profile. (on request).

► Special aluminium profiles, consisting of a low wear, high-tensile alloy are designed to be fully telescopic to one another, stepless. With integrated jam system to lock the telescopic parts in any desired position.

► All metall parts are galvanized.

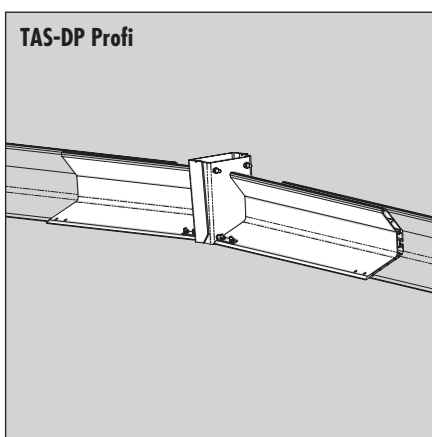
► At each side equipped with height adjustable roller units, including screeding rail cleaning wiper as well as material turn-away metal sheet. Height adjustable directly above scale.

► For mechanical operation 2 pulling chains are included in the standard equipment.

Particularly handy:

For hand operation the TAS can be easily pulled by means of standard shovels while standing in comfortable upright position!

Type	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 (29 ¹ / ₂ " - 177")	78 (170)	5100.0042
TAS-uni 600 standard configuration as above, plus 1 Alu-Profile 3,000 mm long	750 - 6,000 (29 ¹ / ₂ " - 236")	100 (220)	5100.0043



Adjustable Adapter for Roof-/Pan Profile TAS-DP

With this adjustable adapter any roof or pan profile can be screeded.

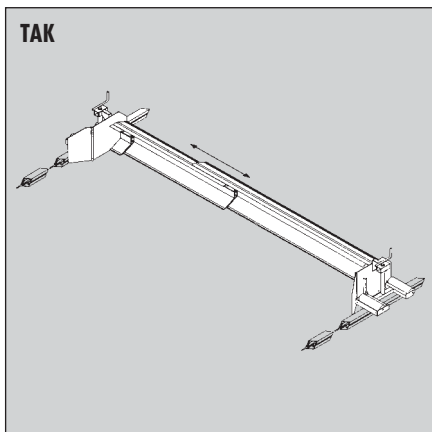
► The adapter can be adjusted exactly and directly above scale.

Type	Description	Dead Weight kg (lbs)	Order-Number
TAS-DP	1 adjustable adapter for roof and pan profiles (+/- 4 %) 2 m (6.5 feet) long	12 (26)	4100.0173
TAS-DP Profi	Special complete devise for screeding of roof or pan profiles		Composition on request

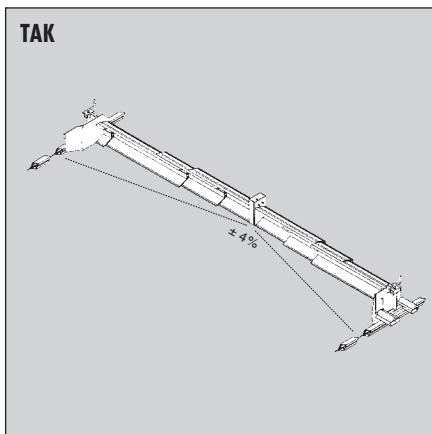
Screeding Rails AZL see type list, page 1.15

Technical data contained in this catalogue can be modified without prior notice in the interest of progress.

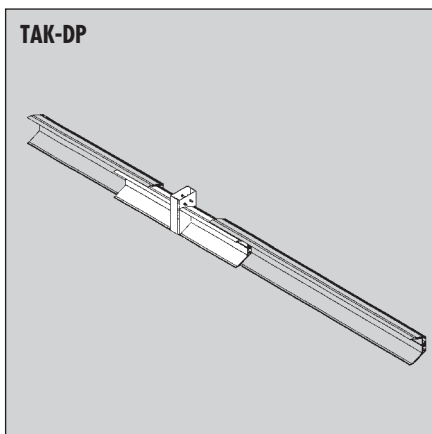
TAK



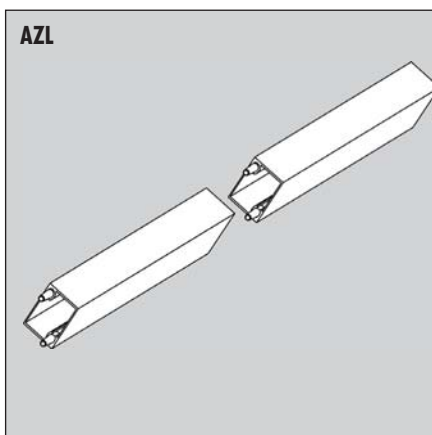
TAK



TAK-DP



AZL



Telescopic Screeding Bucket TAK

Universally suitable for precise preparation of the laying course. Specially designed for mechanical operation.

Consisting of the following components:

- ▶ Telescopic aluminium screeding profiles
- ▶ Height adjustable roller units on either side
- ▶ Handling and pulling elements
- ▶ Special aluminium profiles consisting of a low-wear, high-tensile alloy, are designed to be fully telescopic to one another, stepless.
- ▶ With integrated jam system to lock the telescopic parts in any desired position. The

high stiffness of the aluminium profile achieves a precise level, also on very wide working widths up to 7 m (23 ft.).

▶ The skillfull design of the profile and its height of 300 mm allows the distribution of lots of material. They can be pulled by each loader or with the Probst Paver Installation Machine VM 203 and VM 204. By universally suitable handling attachment, the TAK can be lifted and transported.

▶ **With the recommended professional model TAK 700, each working width between 1,200 mm (4 feet) up to 7,000 mm (23 feet) can be covered.**

Type/Working Width	Dead Weight kg (lbs)	Order-Number
TAK 700 , 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 or VM 203/VM 204. 1 pair = 2 units pulling chains each working width between 1,200 mm and 7,000 mm can be achieved.	190 (420)	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	95 (210)	5100.0018
TAK DP adjustable adapter to screed any roof or pan profile +/- 4 %	22 (48)	4100.0042

TAK-DP Profi

Special complete device for screeding of roof or pan profiles.

Working width adjustable stepless from 2,500 mm (8 feet) until 7,000 mm (23 feet) length.

Type/Working Width	Dead Weight kg (lbs)	Order-Number
TAK-DP Profi , 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	215 (470)	5100.0021

Screeding Rails AZL

Special aluminium profile, achieving highest strength and low dead weight.

Particularly handy:

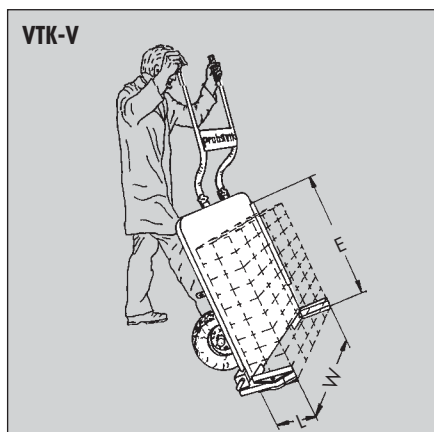
A cubical inclined plane of section gives inlined joints in each direction. Impossible to hook in with the wipers!

▶ Simple, strong, integrated plug system by 2 conical bolts, plugs **cannot be lost!**

▶ AZL-Set 24: for the daily use on both, small and medium sites.

▶ AZL-Set 60: recommended set for bigger sites and mechanical installation.

Type	Number of Parts	Total Length m (feet)	Dead Weight kg (lbs)	Order-Number
AZL-Set 20	6x3 m, 2x1 m	20 (66)	40 (90)	5100.0039
AZL-Set 24	6x3 m, 2x2 m, 2x1 m	24 (79)	48 (115)	5100.0014
AZL-Set 60	12x4 m, 4x2 m, 4x1 m	60 (197)	120 (265)	5100.0015
AZL-4	1 piece, 4 m long	4 (13)	8 (18)	5100.0019
AZL-3	1 piece, 3 m long	3 (10)	6 (14)	5100.0016
AZL-2	1 piece, 2 m long	2 (6.5)	4 (9)	5100.0020
AZL-1	1 piece, 1 m long	1 (3)	2 (4)	5100.0017



Adjustable Paver Transport Cart VTK-V

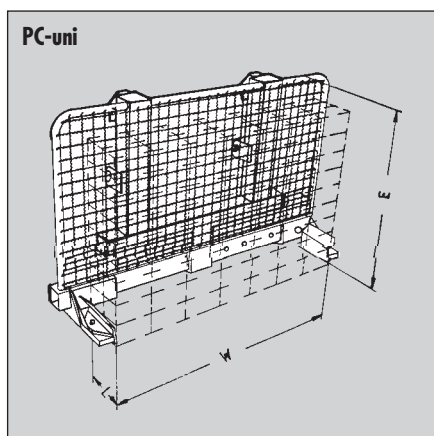
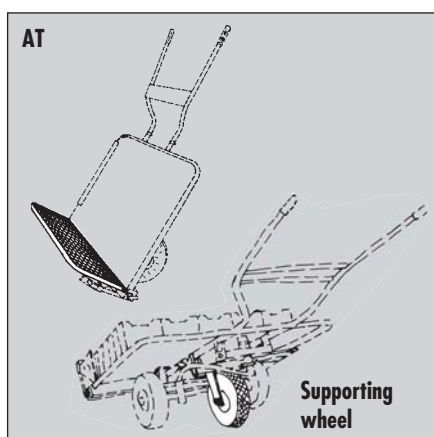
For the effortless transportation of bound or loose pavers, kerb stones, slabs, etc.

- ▶ Clamping is done by bending a lever 90° (maximum pressure 15 kp).
- ▶ An integral protection device prevents overloading of the clamping mechanism.
- ▶ A favourable load distribution and the light-weight-nature of the device (68 kg) ensures optimal operating.
- ▶ Its narrow build (115 cm/45") means it

can be used on the smallest building sites.

- ▶ Blocks can easily be loaded from the pallet without the need of a ramp.
- ▶ Fully mechanical
- ▶ Adjusts smoothly and without the need for tools.
- ▶ Adjustable gripping width from 550 mm – 1,050 mm.
- ▶ Durable galvanized surfaces.
- ▶ The minimum and maximum gripping widths can be altered using special grippers.

Type	Gripping Width W mm (in)	Block Height max. E mm (in)	Gripper Length L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
VTK-V	550 – 1,050 (21 ³ / ₄ – 41")	900 (35 ¹ / ₂ ")	200 (7 ³ / ₄ ")	400 (880)	68 (150)	5110.0004
VTK-V with supporting wheel					74 (160)	S-5110.0010
Supporting wheel, for easy handling on even ground. Can be additionally attached at any time.					7 (15)	4110.0041
Special Grippers for gripping width 830 – 1,350 mm (32 ² / ₄ – 53")						4110.0002
Wider load support for larger spans						4110.0031
AT insertable storage tray for transporting tools, small compactors, etc.					5 (11)	4110.0010



Paver Cat PC-uni

An attachment for skid steered loaders, this device enables the quick and secure transport of one or more rows of paving blocks, whether on pallets, strapped up or loose.

▶ The wide open range means many other products such as paving slabs, kerb stones and blocks for walls can also be transported.

A special version – the PC-VM – has been developed for use with the Probst Installation Machine VM 203 and VM 204.

Type	Gripping Width W mm (in)	Stack Height max. E mm (in)	Gripper Length L mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
PC-uni	400 – 1,300 (15 ³ / ₄ – 51")	850 (33 ¹ / ₂ ")	200 (7 ³ / ₄ ")	500 (1,100)	80 (175)	5160.0029
PC-VM-uni	400 – 1,300 (15 ³ / ₄ – 51")	850 (33 ¹ / ₂ ")	200 (7 ³ / ₄ ")	500 (1,100)	120 (265)	5160.0030

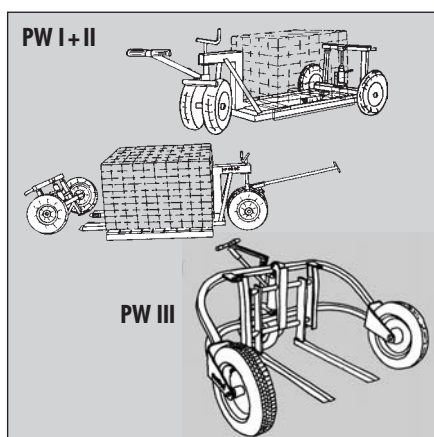
Pallet-Cart PW

For the transportation of palletized products on the building site.

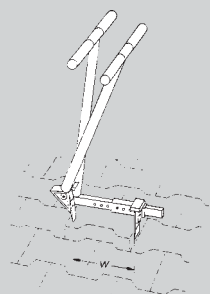
- ▶ With large rubber wheels for easy movement.
- ▶ On slopes, the PW cart can be slowed down.
- ▶ PW III: The pallets are approached sideways.

▶ The forked end of the cart PW I and PW II is positioned under the pallet, then the rear wheel set is placed back on the forked end and the whole lot is lifted by means of a hydraulic jack. The front piston is equipped with a spindle.

Type	max. Pallet Length mm (in)	Distance between forks mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
PW I	1,250 (49")	380 (15")	1,400 (3,100)	100 (220)	5110.0002
PW II	1,250 (49")	380 (15")	2,000 (4,400)	168 (370)	5110.0003
PW III	1,250 (49")	adjustable	1,500 (3,300)	195 (430)	5110.0009



SZ



Paving Block Extractor SZ

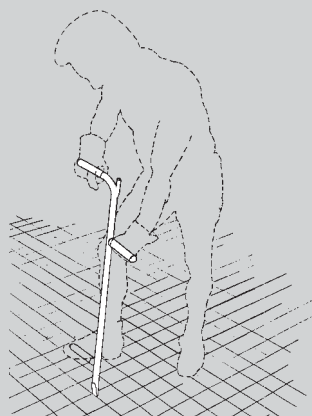
An essential tool for any contractor who lays paving blocks or carries out repairs to paved surfaces. Adjustable to fit any size and shape of paver. Robust design – the blades can easily be driven into paver joints with a hammer.

- ▶ The gripping width can be adjusted without tools from 90 mm – 330 mm.
- ▶ Easily exchangeable, high quality profiled spring steel blades.
- ▶ Durable galvanized surfaces.

Type	Gripping Range W mm (in)	Dead Weight kg (lbs)	Order-Number
SZ	90 – 330 (3½ – 13")	4 (9)	5180.0030
Attachment Set for Matoro Stones			4180.0016
Spare blade for SZ			per piece 4180.0001

See page 3.8 for a special device for removing slabs – the PZ.

RE



Alignment Bar RE

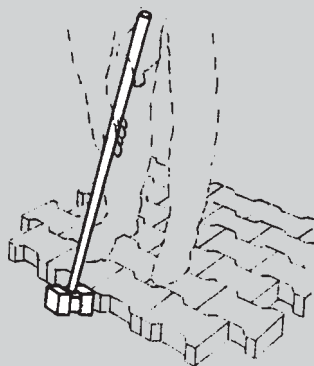
For aligning the paving stones before they are permanently set.

- ▶ With two handles, a foot bar and a hammering surface to drive it into the paver joints using a hammer.

- ▶ With exchangeable, robust, sharp-edged hardened spring steel blade for driving into the hinge joints.
- ▶ Durable galvanized surfaces.

Type	Dead Weight kg (lbs)	Order-Number
RE	1.5 (3.3)	5180.0011
Spare blade for RE		per piece 4180.0002
Spare blade (RE) for Matoro Stones		per piece 4180.0018

GH



Rubber Hammer GH

For aligning the paving stones before they are permanently set.

Light-weight (2,5 kg) and with a long handle, it is ergonomically easy to work with it in an upright position.

- ▶ With easily exchangeable, highly wear resistant replaceable rubber caps.
- ▶ The hammer remains vertical after use because of the rectangular shape of the rubber caps.

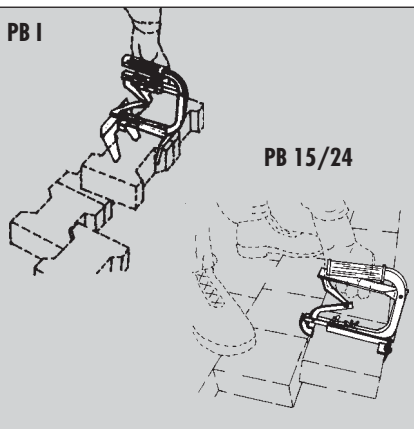
Type	Dead Weight kg (lbs)	Order-Number
GH	2.5 (5.5)	5180.0012
Rubber cover for GH		per piece 4180.0006

Paver Set

Consisting of Paving Block Extractor, Alignment Bar and Rubber Hammer

S-5180.0014

PB I



Paver Boy PB

For the efficient laying of paving blocks directly from the stack.

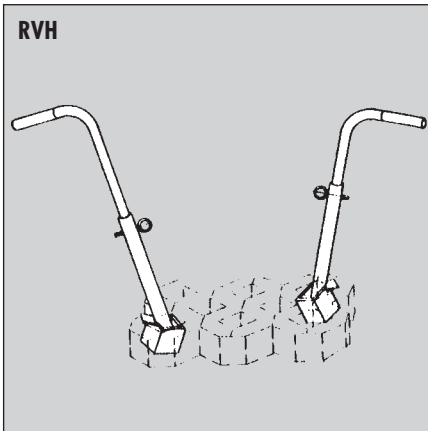
Particularly suitable for large blocks.

- ▶ Ergonomical working position.

With the **PB I**, two double-T-stones can be picked up and then layed at the same time.

With the **PB 15/24** hexagonal slabs and similar blocks which cannot be lifted with one hand, can be laid.

Type	Gripping Range W mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
PB I	100 – 170 (4 – 6¾")	10 (22)	1 (2.2)	5180.0001
PB 15/24	150 – 240 (6 – 9½")	10 (22)	1 (2.2)	5180.0004



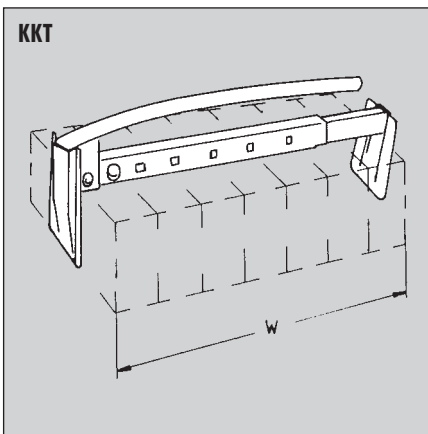
Turf Stone Handles RVH

Used in pairs and designed specially for laying turf stones.

▶ Suitable for hollow sections measuring approx. 100 mm x 100 mm (4 x 4").

▶ Other sizes on request.

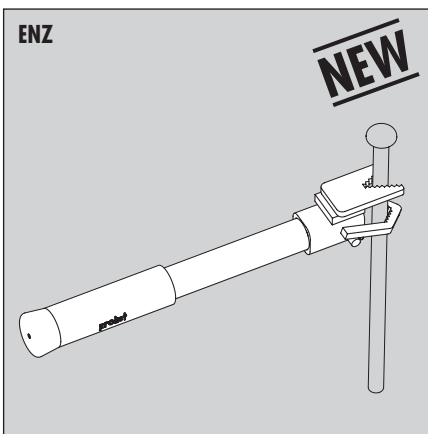
Type	Dead Weight kg (lbs)	Order-Number
RVH (Pair)	3 (6.5)	5180.0021



Brick Handles KKT

For the efficient transportation of bricks from the pallet to the laying surface. Adjustable.

Type	Gripping Range W mm (in)	Carrying Capacity kg (lbs)	Dead Weight kg (lbs)	Order-Number
KKT	400 – 670 (15 ³ / ₄ – 26 ¹ / ₂ "	50 (110)	1.5 (3.2)	5180.0025



Pin Extractor ENZ

Simple but very efficient tool to pull out string line pins used on construction sites.

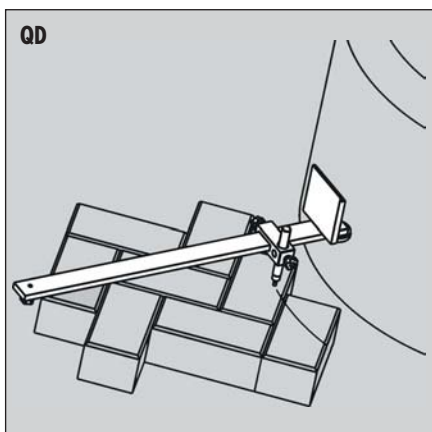
▶ Without using the ENZ, pins often get bent. Simply the straightening of 50 pins costs more than the Pin Extractor itself!

The previous time consuming and often injuring method, to pull out pins just by hand or using pliers, hammer and such are gone now.

▶ When lifted up, the V shaped clamping system locks to the pin. Now pulling and turning movements to loosen the pin can be exerted without any real physical effort.

▶ Suitable for all pin diameters between 10 mm and 30 mm.

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



Quickdraw QD

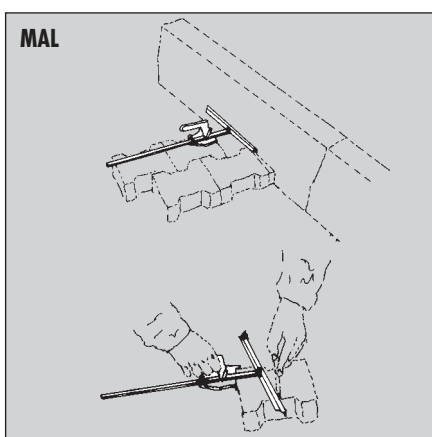
A clever paver-marking tool for concrete and paving stones.

- ▶ No problems with the marking of distances of kerbstones, walls, etc. for later stone cutting.
- ▶ 400-600 % time saving with marking works.
- ▶ Especially effective with soldier course.

▶ Tough construction made of aluminium and stainless steel.

- ▶ Roller guide for quick and accurate marking.
- ▶ Set includes wax crayon and felt crayon.

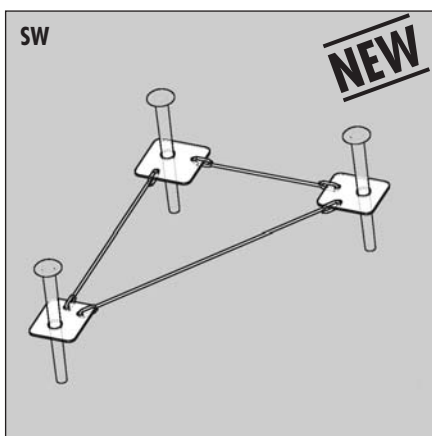
Type	Dead Weight kg (lbs)	Order Number
QD	1.8 (4)	5180.0034



Measuring and Marking Tool MAL

An essential aid for the exact measuring and marking of lengths and angles on pavers.

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



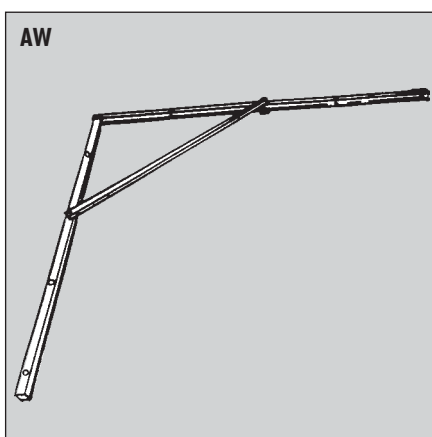
Rope angle SW

Simple and compact tool to lay out a 90° right angle, using three sticks mainly for paver laying purposes.

Large measurements (3 m x 4 m x 5 m) allow very precise layout of the 90° right angle.

- ▶ Standard sticks with maximum diameter 20mm can be used. (Sticks not included in the tool).

Type	Dead Weight kg (lbs)	Order-Number
SW	1 (2.2)	5180.0035



Aluminium Angle AW

Adjustable to 45°, 60° and 90°.
Can also be adjusted to angles in between.
Foldable, length: 2 m x 2 m.

Type	Dead Weight kg (lbs)	Order-Number
AW	6.5 (14)	5180.0018