

Probst gets things moving –  
innovative, efficient and ergonomic



# Building Material Plants – In-plant Handling



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## Vacuum Technology



# Vacuum technology in internal use

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VACUUM TECHNOLOGY

## VACUSPEED VXS – The quick and handy vacuum hose lifter

Ensures best ease of working combined with highest productivity when handling pavers, slabs etc. Ideal for quality control work!

- Dense/not porous materials of all types and weight up to max. 35 kg (75 lbs) or 50 kg (110 lbs) can be easily lifted, sorted, packed or laid
- Can be operated easily, exactly and quickly. No manual lifting force necessary
- Precise one hand operation, suitable for left- and right-hander
- Suction plate can swivel by 90 degrees in order to pick up and handle products vertically
- High lifting speed of up to 50 m/min (54.7 ft/min)
- No need to get access sideways to the products to be sorted for gripping. Access from the top is fully sufficient
- With quick change system for different suction plates (SPS)
- The VACUSPEED VXS-35-P and 50-P can be suspended to any crane system within seconds and is ready to work (See opposite page)



### Standard specifications:

- Electricity driven vacuum pump, motor protection switch, dust filter, lifting unit and operating unit without suction plate and quick-change device for suction plate

Type	Power	Electrical Data AC	Lifting Height mm (in)	Working Load Limit WLL* kg (lbs)	Order-Number
VXS-35-P	1,25 kW / 40 m³/h 1,5 kW / 48 m³/h	(50HZ)190-255V/330-440V AC3 (60HZ)190-290V/330-500V AC3	1,500 (59") +/- 50 mm (2")	35 (75)	5760.0034
VXS-50-P	2,4 kW / 67 m³/h 3,0 kW / 77 m³/h	(50HZ)190-255V/330-440V AC3 (60HZ)190-290V/330-500V AC3	1,500 (59") +/- 50 mm (2")	50 (110)	5760.0041

Type	Dimension mm (in)	Working Load Limit WLL kg* (lbs)	Order-Nr.
VXS-SPS-35	175 x 175 (7 x 7")	35* (75*)	4761.0026
VXS-SPS-35	240 x 160 (9½ x 6¼")	35* (75*)	4761.0022
VXS-SPS-50	194 x 194 (7½ x 7½")	50* (110*)	4761.0024

\* Value at 600 mbar low pressure Other dimensions and shapes on request.



## Aluminium Smooth Running Cranes for VACUSPEED VXS

The Probst aluminium wall and pillar swing cranes are particularly designed for operation with vacuum hose lifter VACUSPEED VXS.

The vacuum hose lifters eliminate the manual lifting job completely, but swinging the crane arm around or pulling the suspension along the jib can be very burdening when using standard heavy crane systems.

**The new aluminium crane systems of Probst are now offering ergonomically advantages by smooth running and lightweight design.**



VXS-ASSK-65-4

### Pillar Swing Crane VXS-ASSK-65-4

Same specifications as Wall Swing Crane AWSK, but slewing range 270°, length and working load limit see table.

**Important notice:** The assumption for mounting the pillar swing crane using the set of dowels is minimum thickness of the concrete floor of 200 mm (7¾") and a concrete quality C20/25. (Simple installation, no flange plates needed).

#### Optional accessories:

- Special Anchor with mortar cartridge and bush-es, 8 times threaded M 12, thickness of plate min. 8 mm (1/3") max 25 mm (1").



VXS-AWSK-65-4

### Wall Swing Crane VXS-AWSK-65-4

The equal load distribution of the rollers of roller suspension eliminates cocking of the suspension, even when pulled sideways.

- Special bearings of the swinging arm and the use of light weight aluminium are ensuring easy and smooth operation
- Special, long lasting rollers
- Modern design
- Innovative geometrie of the jib profile
- Adjustable stops to restrict the the movement along the jib if required
- Slewing range 180°
- Optimized height of the jib
- The static for fixing the crane to the wall has to be checked by the customer
- CE approved

#### Comes with:

- adjustable stop, carrier for pipe or cable, roller suspension for hose lifter

Type	Slewing Range	Reach mm (in)	Working Load Limit WLL kg (lbs)	Order-Number
VXS-ASSK-65-4	270°	4,000 (157")	65 (143)	4200.0137
VXS-AWSK-65-4	180°	4,000 (157")	65 (143)	4200.0138
VXS-ASSK-KP-65-4	For crane 65 kg, reach 4m			4200.0157
DS-ASSK	Set of dowel for pillar swing crane			4200.0100

# Not only easy lifting – easy swinging too

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VACUUM TECHNOLOGY

## Aluminium Smooth Running Cranes for Vacuum Hose Lifters

Probst aluminium wall- and pillar jib cranes are designed specifically for the use of vacuum hose lifters with a working load limit of up to 300 kg.

The vacuum hose lifters eliminate the manual lifting job completely, but swinging the crane arm around or pulling the suspension along the jib can be very burdening when using standard heavy crane systems.

The new aluminium crane systems of Probst are now offering ergonomically advantages by smooth running and lightweight design.



Type	Slewing Range	Reach mm (in)	Working Load Limit WLL kg (lbs)	Dead Weight/ crane jib kg (lbs)	Total Weight kg (lbs)	Order-Number
ASSK-150-4*	270°	4,000 (157")	150 (330)	37 (80)	167 (368)	4200.0146
ASSK-150-5*	270°	5,000 (197")	150 (330)	60 (132)	222 (489)	4200.0147
ASSK-300-4*	270°	4,000 (157")	300 (660)	52 (115)	327 (720)	4200.0124
ASSK-300-5*	270°	5,000 (197")	300 (660)	60 (132)	414 (910)	4200.0125
DS-ASSK	Set of dowel for pillar swing crane					4200.0100

\* Crane height up to bottom edge of crane boom 3200 mm

### Optional accessories:

- Set of dowelps DS-ASSK, consisting of the following components: Special Anchor with mortar cartridge and bushes, 8 times threaded M 12, thickness of plate min. 8 mm (1/3") max 25 mm (1").



Type	Slewing Range	Reach mm (in)	Working Load Limit WLL kg (lbs)	Dead Weight/ crane jib kg (lbs)	Total Weight kg (lbs)	Order-Number
AWSK-150-3	180°	3,000 (118")	150 (330)	31 (70)	46 (101)	4200.0132
AWSK-150-4	180°	4,000 (157")	150 (330)	37 (80)	52 (115)	4200.0126
AWSK-150-5	180°	5,000 (197")	150 (330)	60 (132)	81 (180)	4200.0127
AWSK-300-4	180°	4,000 (157")	300 (660)	52 (115)	73 (160)	4200.0128
AWSK-300-5	180°	5,000 (197")	300 (660)	60 (132)	81 (180)	4200.0129

## Pillar Swing Crane ASSK

Same specifications as Wall Swing Crane AWSK, but slewing range 270°, length and working load limit see tabel.

**Important notice:** The assumption for mounting the pillar swing crane using the set of dowels is minimum thickness of the concrete floor of 200 mm (7¾") and a concrete quality C20/25. (Simple installation, no flange plates needed).

## Wall Swing Crane AWSK

- Special bearings of the swinging arm and the use of light weight aluminium are ensuring easy and smooth operation
- Special, long lasting rollers
- Modern design
- Innovative geometrie of the jib profile
- Adjustable stops to restrict the the movement along the jib if required
- Slewing range 180°
- Optimized height of the jib
- The static for fixing the crane to the wall has to be checked by the customer
- CE – approved

### Comes with:

- Adjustable stop, carrier for pipe or cable, roller suspension for hose lifter

## Vacuum Hose Lifter Components

- As an alternative to the complete Jumbo Travelling Crane (refer to page 39, you can put together a special vacuum-hose-lifter-station, according to your particular needs
- Pillar and wall swing cranes or other types of cranes can be granted off site
- We will gladly advice you!

## Vacuum Turbine Unit VGE-SB

**Driven by electric motor:** Complete, ready-to-run unit for the electrical production of vacuum, with the following standard features:

- Strong, compact housing to be installed on the floor or against the wall
- Powerful vacuum turbine with 3-phase electric motor, for maximum low pressure 520 mbar
- With large volume dust-filter with pre-separation for rough conditions in construction industry, including filter-cartridge
- Type VGE-SB-L-e-I with motor-protection switch, pressure relieve valve and electrical plug CEKON 32 A with integrated phase-switch

The following petrol-driven version is available if there is no electrical connection:

## Vacuum Turbine Unit VGE-3-RG-B-E

Complete, ready-to-run unit for the production of vacuum energy by petrol engine.

### Standard Specifications:

- Strong housing with foldable cover and noise protection
- Powerful vacuum turbine with max. under pressure 520 mbar
- With large volume dust-filter with pre-separation for rough conditions in construction industry, including filter-cartridge
- Pressure relieve valve and service hour-meter

Type	Order-Nr.
VGE-3-RG-B-E 8,1 + Electro-Starter	4220.0276



VGE-SB-L-e-I

Type	Electrical Data	Order-Nr.
VGE-SB-L-e-I	4 kW 50 Hz 3~190/255 V Δ or 330/440 V Y 4,8 kW 60 Hz 3~190/290 V Δ or 330/500 V Y	4760.0009

Other versions available on request

### Application:

**VGE-SB-L-e-I:** for more difficult use, such as handling of porous elements and high lifting-speed requirements

## Supply Hose

- For connecting the turbine unit to the lifting unit
- With 2" coupling and 2 hose clamps

Type	Material	Diameter mm (in)	Length m (ft)	Order-Number
Supply Hose	Polyurethane	60 (2¼")	7 (23)	4210.0030

## Easy and quick product handling even in quality control

### VACUUM-AIRSPED VAS-H

This innovative tool is driven by compressed air and saves a lot of time.

No painful and labor-intensive shifting of the pavers when one paver should be picked out of the middle of production unit.

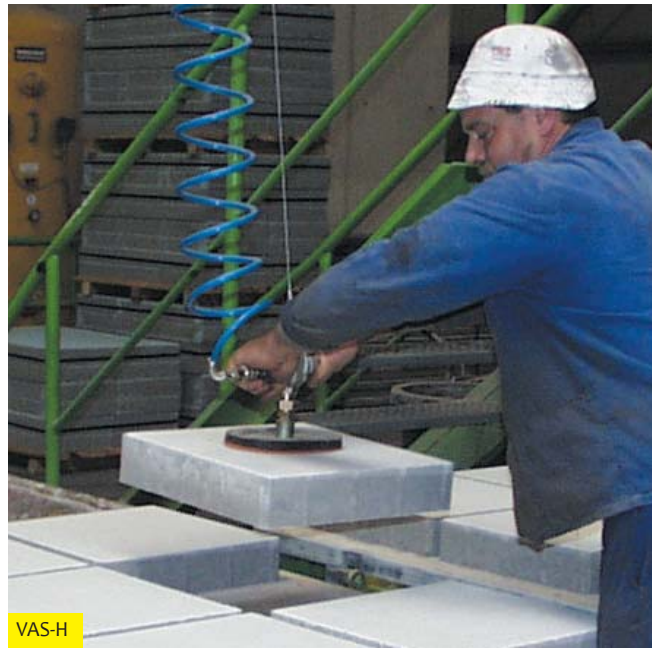
Specially designed for the quick and simple handling of pavers during quality control.

By using this tool, pavers can be picked up immediately after production or before cubing.

- Hand operated valve to switch off the compressed air flow in order to save energy
- Seal exchangeable within seconds
- Suction plates exchangeable by quick coupling
- Low dead weight

#### Set consisting of:

- 1 Operating unit
- 1 Suction plate SPS-VAS-18
- 1 Suction plate SPS-VAS-9



VAS-H

Type ①	Suction Plate	Suction Plate Dimension mm (in)	max. Suction Volume NL/min	air consumption NL/min	Working Load Limit WLL kg (lbs)	Dead Weight (incl. 1 Suction Plate) kg (lbs)	Order-Number
VAS-H-Set	SPS-VAS-18	110 x 180 (4¼" - 7")	370	392	18* (40)*	2 (4)	5740.0035
	SPS-VAS-9	103 x 153 (4" - 6")			9* (20)*		

\* Value at 400 mbar low pressure



ASZ-P

### Pneumatic Sorting Clamp ASZ-P

This universal outsourcing clamp offers a versatile use due to large adjustable opening width. Optimum for slabs, kerb stones and wall-rings for plants, etc.

- Suitable for attachment to a vacuum lifting unit or to an overhead or jib crane
- Cylinder lifting 150 mm: the further range of opening width is mechanically adjustable

#### Standard Specifications:

- With flange plate to attach to a vacuum lifting unit
- Pneumatic closing cylinder and additional manual adjustment to achieve a larger opening width

Type	Opening Width gripping inside mm (in)	Opening Width gripping outside mm (in)	Working Load Limit WLL kg (lbs)	Dead Weight kg (lbs)	Order-Number
ASZ-P	270 - 600 (10¾ - 23½")	220 - 1,050 (8¾ - 41")	120 (265)	18 (40)	5740.0023

Other opening widths and heights are available on request.

① Durable surface protection by galvanizing



# Easy picking of heavy products in the materials plant

## Jumbo Travelling Crane JWK

Complete ready-to-use unit comprising crane, ballast, electrics and vacuum turbine, three-phase. Complete with socket.

- The machine can be moved easily by taking up with the fork prongs from a forklift truck for example
- Various lifting units and grippers can be attached to the Jumbo Travelling Crane JWK (see specifications) (refer to page 40 – 43)

To complete your Jumbo Travelling Crane JWK you need:

- Roller Suspension, Lifting Unit, Operating Valve Unit, Suction Plate



JWK

Type	Max. Working Load Limit WLL kg (lbs)	Reach mm (in)	Dead Weight kg (lbs)	Max. ballast weight kg (lbs)	Order-Number
JWK-80/250-4	250 (550)	4,000 (157")	600 (1,320)	3,600 (7,900)	5280.0012
JWK-80/250-5	250 (550)	5,000 (197")	600 (1,320)	4,600 (10,100)	5280.0013

Electrical data turbine unit: 4 kW 50 Hz 3~190/255 V Δ or 330/440 V Y  
4,8 kW 60 Hz 3~190/290 V Δ or 330/500 V Y



JUMBOSELECT JS

Type	Power	Working Load Limit WLL kg (lbs)	Reach mm (in)	Dead Weight kg (lbs)	Order-Number
JS-H	hydraulically	150 (330)	3,000 (118")	470 (1,040)	5760.0021
JS-B	petrol engine	150 (330)	3,000 (118")	510 (1,120)	5760.0038

### Vacuum Hose Lifter for Internal Use

- The lifting and lowering speed can be controlled extremely smoothly
- Can be operated easily, exactly and quickly
- Materials of all types can be easily lifted, sorted and layed
- The vacuum is used for holding the materials as well as for lifting them
- The result: efficient working practices and less stress on your workers

## JUMBOSELECT JS Vacuum Picking Device for Forklift Trucks

More than ever, customers ask for prepacking of multiple products in specified quantities, thus concrete manufacturers cannot just supply complete packs and pallets of their concrete products. Piece picking has to be done – sometimes even quite heavy concrete products have to be selected and handled.

The vacuum picking device JUMBOSELECT JS can be attached to any fork lift truck for easy, quick and effortless order picking – making it a really efficient one-man operation. By means of a vacuum hose lifter, different kinds of concrete products are taken off from stocks and put down onto the pallet carried by the forklift.

- Compact design for any forklift truck. The vacuum picking device JUMBOSELECT JS comes with hollow forks 150 x 55 cm. Ready for use within less than 2 minutes: fit the forks of the forklift truck, fasten slip-off fixture and plug in hydraulic couplings for vacuum blower
- The vacuum blower is driven by the hydraulics of the forklift truck. Technical requirements: volumetric flow min. 16 l/min; 200 bar, continuous hydraulic oil flow, lockable control lever, hydraulic lines fully installed up to carriage plate. Optional extra equipment – drive system by petrol / diesel engine or electric motor
- Standard equipment: lifting hose unit w/150 kg lifting capacity; suction plate 310 x 310 mm. Optional extra equipment: lifting capacity up to 250 kg and additional suction suction plates
- Including swivel boom, which can be locked to travel direction, when moving the forklift truck. Reach of 3 m, other booms are optionally available



# Vacuum Hose Lifter Components

## Lifting Hose Units HE

For use with the Jumbo Travelling Crane JWK, the JUMBOMOBIL JM or on any other crane carrier. (Application of lifting hose unit HE-250 is permissible at stationary crane facilities only, not to be operated with JUMBOMOBIL, JUMBO-BV and Jumbo Travelling Crane JWK).

Type	Working Load Limit WLL* kg (lbs)	Diameter Lifting Hose mm (in)	Lifting Height mm (in)	Order-Number
HE-35	35 (75) **	120 (5")	1,700 (67")	4210.0001
HE-50	50 (110) **	140 (5½")	1,700 (67")	4210.0106
HE-85	85 (185) **	178 (7")	1,700 (67")	4210.0002
HE-150	150 (330) **	230 (9")	1,500 (59")	4210.0132
HE-200	200 (440) **	250 (9¾")	1,500 (59")	4210.1114
HE-250	250 (550) **	300 (11¾")	1,500 (59")	4210.1115
If necessary: roller suspension for C-beam				4220.0042



HE-35 – HE-250

Consists of:

- Rotational Device and quick coupling, 2 inch
- Lifting hose unit with protective fabric as well as a flange for fitting onto the operating valve unit



BE-Sprint-2

## Operating Valve Unit BE-Sprint-2

For direct coupling onto the lifting unit HE.

Consists of:

- Main body with handle 500 mm long, fixing screw for adjusting the hovering position, safety gauge

Type	For use with	Order-Nr.
BE-Sprint-2	HE-35 up to HE-250	4210.0539

## Hose Cylinder Extension SZV

- Only to be used as and when required to enable ergonomic working conditions, at certain heights
- Length 300 mm

Consists of:

- Vacuum pipe with quick fasteners and transmission bar for the steering of the operating valve unit

SZV



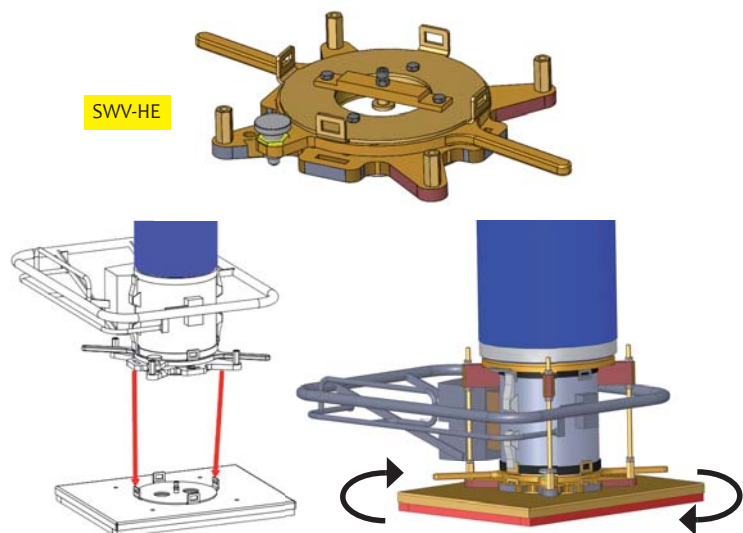
Type	For use with	Order-Nr.
SZV	HE-35 up to HE-150	4210.0007
SVZ-250	HE-200 up to HE-250	4210.0008

## Quick Change Device SWV-HE

- 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 lifting hose unit is fitted directly to the SWV-HE quick change device by means of 4 tension rods (threaded rods)

Type	Working Load Limit WLL kg (lbs)	Dead Weight kg (lbs)	Order-Nr.
SWV-HE Quick change device	250 (550)	3,8 (8)	4210.1026

SWV-HE



● Durable surface protection by galvanizing

Other suction plates on request.

\* Caution: Take note of the working load limit of the crane equipment.  
 \*\* Value at 420 mbar low pressure

# A selection from our extensive range of suction plates

**Ask us!**  
We will configure your individual suction plate!

## Suction Plates ESP

Type	Suction Plate Dimension mm (in)	Working Load Limit WLL** 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

Other suction plates on request.

## Angeled Suction Plates WSP

Type	Suction Plate Dimension mm (in)	Working Load Limit WLL** 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

Other suction plates on request.

## Multiple Suction Plates MSP

Type	Suction Plate Dimension mm (in)	Number of suction plates	Working Load Limit WLL** 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)*	4210.1097
MSP-6 (2x3)-5-200-6 x19 Rd-a 40	60 x 190 (2 1/2" x 7 1/2")	6	200 (440)*	4210.1087
MSP-7-V-150-7 x SPS-17/16-a-16	170 x 160 (6 3/4" x 6 1/4")	7	150 (330)*	4210.1096

Other suction plates on request.

## Large-Area Suction Plates FSP

A universal suction plate for the broadest range of stone configurations, regardless of the number of individual stones, regardless of how the joints run: the highly innovative FSP surface suction plate now covers this task for all devices and machines with vacuum tube lifters. The vacuum tube lifting devices such as JUMBO-BV-VARIO, JUMBOMOBIL JM-VARIO, TRANSMOBIL TM and UNIPOSE UP-1204 can therefore be used on a considerably wider scale for laying stone elements. For direct coupling to the operating unit or hose cylinder extension. Comprising:

- Suction box with stuck-on sponge rubber mat. The sponge rubber layer is easy to replace. Careful handling of the vacuum seal is essential



FSP-150-56/61

Type	Dimension mm (in)	Working Load Limit WLL kg (lbs)**	Order-Number
FSP-85-42/42	420 x 420 (16 1/2" x 16 1/2")	85 (185)*	4211.0030
FSP-85-110/14	1,100 x 140 (43 x 5 1/2")	85 (185)*	4211.0019
FSP-85-82/20	820 x 200 (32 1/4" x 7 3/4")	85 (185)*	4211.0004
FSP-150-56/61	560 x 610 (22 x 24")	150 (330)*	4211.0017

Other suction plates on request.

\*\* Caution: It is forbidden to use suction plates with a smaller carrying capacity than the lifting unit HE! It is permissible to use suction plates with a higher carrying capacity than the lifting unit.

● Durable surface protection by galvanizing  
\* Value at 420 mbar low pressure

## Bag handling, handling with clamps instead of suction plates

### Bag and Sack Gripper SXG

Safe and convenient transport of sand, granulate and concrete bulk bags. Bag grippers are specific suction plates for order-picking and transport of bags.

- Suitable for handling of paper bags with plastic film inside as well as for plastic bags
- Implementation by attachment to a vacuum device – such as Jumbo travelling crane JWK



SXG

Type	Carrier	Dimension mm (in)	Working Load Limit WLL kg (lbs)**	Order-Number
SXG-150	HE-150	420 x 250 (16½ x 9¾")	150 (330)	4210.0093
SXG-85	HE-85	350 x 250 (13¾ x 9¾")	85 (185)	4210.0644
SXG-45/65-30/19	HE-50	300 x 190 (11¾ x 7½")	35 (75)	4210.0801
SXG-35-24/18	VXS	242 x 160 (9½ x 6¼")	35 (75)	4210.0856



UZ-BV

Type <sup>①</sup>	Description	Gripping Range* W mm (in)	Working Load Limit WLL kg** (lbs)	Dead Weight kg (lbs)	Order-Number
UZ-BV	Radius Kerb Clamp	80 – 220 (3 x 8¾")	150 (330)	12 (26)	5230.0031
VZ-BV-98/100	Mechanical Kerb Stone Handle	980 – 1,000 (38½ x 39½")	150 (330)	9 (20)	4230.0001
VZ-BV-40/104	Mechanical Kerb Stone Handle	400 – 1,045 (15¾ x 41")	150 (330)	7 (15)	4230.0149

### Mechanical Gribs

Mechanical grippers can be mounted instead of vacuum suction plates onto the vacuum hose lifter. In this scenario, the vacuum energy is lifting the products whilst the mechanical gripper grabs the product. In this case, the sensitive speed control of lifting and lowering by the vacuum hose lifter is obtained.

- **UZ-BV:** universal kerb stone clamp specially designed to grab the kerbs crossway. This is how curved kerb stones with different radiuses can be handled
- **VZ-BV:** this clamp has been specially designed to cope with the rare cases when kerb stones are too porous to be lifted with vacuum, so they therefore have to be lifted mechanically



VZ-BV-98/100

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

\*\* Caution: It is forbidden to use the suction plates with a smaller working load limit than the lifting unit HE! It is permissible to use suction plates with a higher working load limit than the lifting unit

① Durable surface protection by galvanizing



# Vacuum Hose Lifter Components

## Tilteable suction plate ESP-SW

### With automatic retraction ESP-SW-B

- Specially designed for the laying of slabs, which are delivered to site in vertical position, but have to be placed in horizontal position
- Slabs can be lifted in the vertical position
- Tilting into the horizontal position controlled by pulling a hand lever
- After the installation of the slab in horizontal position, the suction plate retracts itself into vertical position by a gas spring, when the hand lever is pulled once more
- Horizontal pick up and vertical set down on request

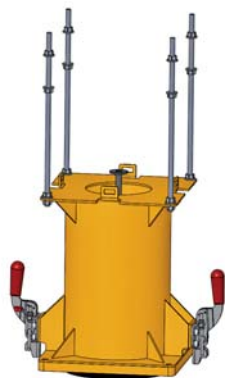
Type	Dimension mm (in)	Working Load Limit WLL kg (lbs)	Order-Nr.
ESP-SW-B-H-VH-150-33/33-0	330 x 330 (13" x 13")	150 (330)	4210.0096

## Pneumatic swivelling base frame for use with exchangeable suction plates ESP-SW-P-250-A

- Developed specifically for handling plate-shaped elements and kerbstones with pneumatic swivelling from vertical to horizontal position and vice versa
- Swivel range of 90° with pneumatic cylinder
- Can be used on HE-200 and smaller lifting units
- To improve ergonomics, possibly use handle extension 4230.0124
- Without suction plate



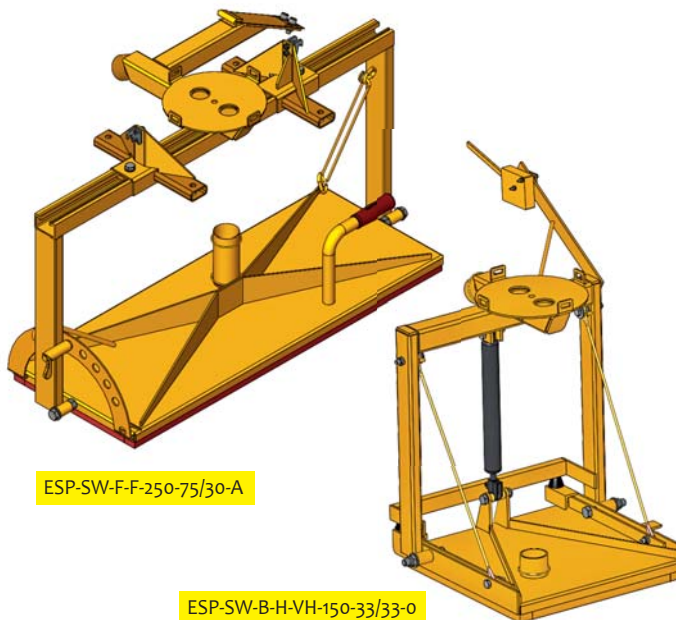
ESP-SW-P-250-A +  
ESP-200-91/20



SWA-200 (long version)

Type	Dimension mm (in)	Working Load Limit * WLL kg (lbs)	Order-Number
ESP-SW-P-250-A	base frame	max. 250 (550)	4210.1227

\* Value at 420 mbar low pressure



ESP-SW-F-F-250-75/30-A

ESP-SW-B-H-VH-150-33/33-0

### With free swivelling action ESP-SW-F

- Specially designed for handling of slabs in natural stone processing factories
- When positioning the suction plate out of the center of gravity on a horizontal slab, the slab is tilting itself into the vertical position when lifted. In this position, the slab can be stored vertically on a transportation pallet
- When positioning in the center of gravity, the slab stays in the horizontal position when lifted
- Suction plate can be locked in different positions by spring loaded bolt
- With integrated suction release device for easier release of the suction plate from the slab element. Operating of the suction release device only when no load is lifted
- Fastening suitable for Quick Change Adapter SWA-200

Type	Dimension mm (in)	Working Load Limit * WLL kg (lbs)	Order-Nr.
ESP-SW-F-F-250-75/30-A	750 x 300 (29½ x 11¾")	250 (550)	4210.0095
ESP-SW-F-F-150-40/25-A	400 x 250 (15¾ x 9¾")	150 (330)	4210.0190

## Quick Change Adapter SWA

- Allows exchange of different suction plates within seconds
- Essentially necessary for lifting loads of 200 kg and more
- Short design as against SZV (refer to page 40), specially suitable for in-plant paketeze works in use with ESP-SW-F-F-200-75/30-A

Type	Length mm (in)	Max. Working Load Limit WLL * kg (lbs)	Order-Nr.
SWA-200 (long version)	300 (11¾")	250 (550)	4210.0097
SWA-200 (short version)	100 (4")	250 (550)	4210.0104

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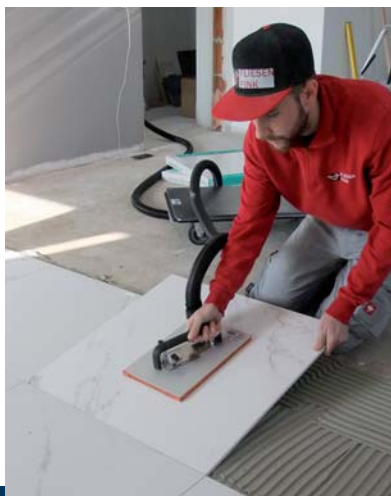
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