



Probst gets things moving –  
innovative, efficient and ergonomic

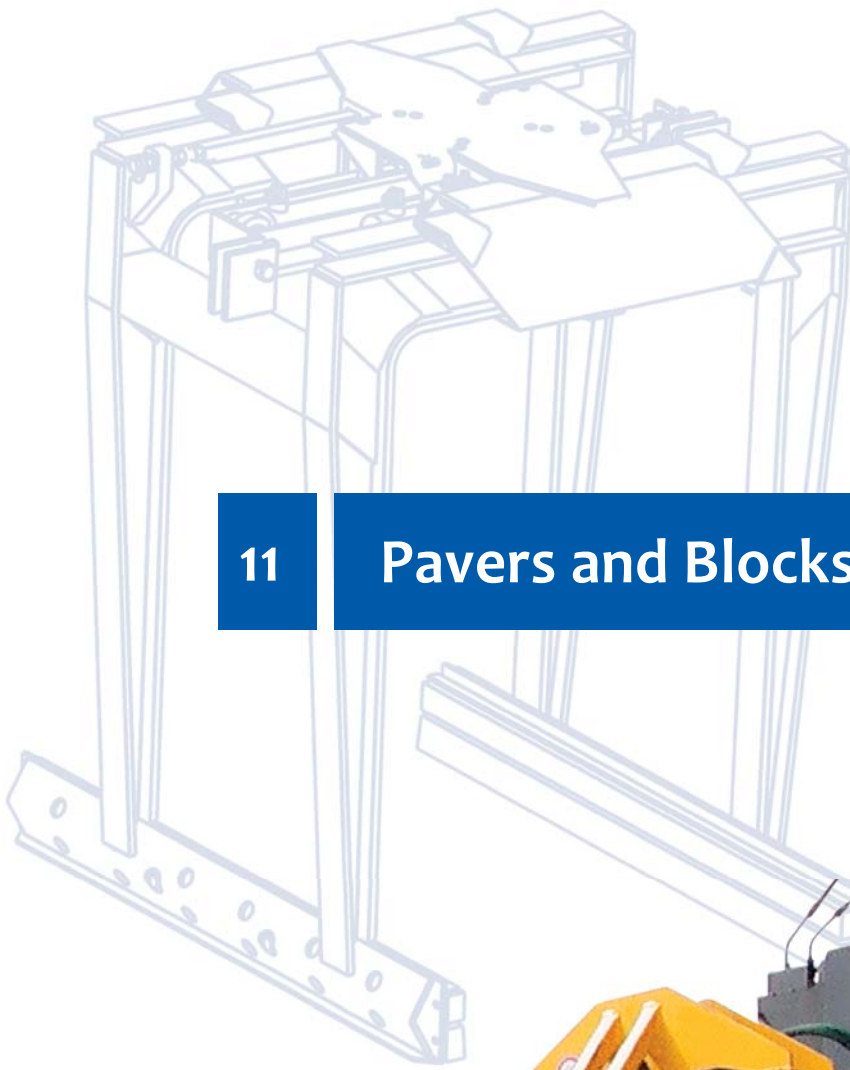


# Building Material Plants – In-plant Handling



11

## Pavers and Blocks







*Polyamide sliding guides come with a 5 year guarantee*

STAZ + fork sleeve + continuous rotator with swing damper

### Fork Lift Grabs STAZ – The powerful clamp, specially designed for heavy duty work with fork lift trucks

#### STAZ-S Series:

Normal use for gripping stacks consisting of large elements or vertically steel strapped packs of stones, e.g. packs of pavers.

#### STAZ-SS Series:

For gripping heavier loads, or packs produced on multi-layer production machines. In particular used in conjunction with steel finger grippers. Can also be used for gripping packs of pavers which are not vertically steel strapped.

- Light-weight, yet with a high carrying capacity due to the use of high-tensile steel for load-bearing parts
- Can fit all the usual packs of building materials due to a large opening range and to the exchangeable grippers which come in various lengths and designs

#### Customer-specific solutions

Technical specifications of STAZ forklift clamps:

Working load limits: 2,500 to 4,000 kg  
Opening widths: 370 to 1,370 mm  
Heights: 700 to 1,550 mm

**Larger/modified opening widths and heights are possible.**

**Send us your requirement profile: we will find the right solution!**

- Fully hydraulic parallel opening range
- Low-maintenance steel-polyamide sliding guides

#### Standard Specifications:

- Manually adjustable pressure relief valve
- Oil Pressure Gauge
- Connecting hoses to the fork-lift truck optional available

- All Forklift Grabs can also be used as cubing grabs in fully automatic cubers for blocks and pavers
- All forklift grabs can easily be equipped with an electro-hydraulic power pack on top of the grab to be used in conjunction with a bridge crane or similar

#### Modular System STAZ

We keep a broad range of components for you, for STAZ forklift clamps:

##### Gripping elements:

- Rubber grippers / Steel finger grippers / Double steel finger grippers (refer to page 8)

##### Connections to the fork lift truck:

- Hydr. rotators
- Hydr. swing damper
- Fork sleeves for fork peaks
- Crane boom
- Crane boom with distance adjuster bar
- Hydr. connecting hoses

## Fork Lift Grab STAZ – Clever solutions for construction material handling in the plant

### Version I: Grab with rigidly fixed forksleeves

Forksleeves can also be turned by 90°.

**Advantage:** Easy mounting to the forklift by the forks

**Disadvantage:** Loss of lifting height, no rotation of the pack

### Version II: Grab with forksleeves and hydraulic rotator as well as swing-damper

**Advantage:** Easy mounting to the forklift by means of the forks, hydraulic rotation, swing-absorber. **Disadvantage:** Loss of lifting height

### Version III: Grab with crane boom, rotator and swing-absorber

**Advantage:** Full lifting height, hydraulic rotation, swing-damper.

**Disadvantage:** Mounting and dismounting to the forklift takes about 10 minutes

### Version IV: Grab with telescopic crane boom, rotator, swing-damper

**Advantage:** Trucks can be loaded from one side only, saves space in the yard, Full lifting height, hydraulic rotation of grab.

**Disadvantage:** Mounting and dismounting to the forklift takes about 10 minutes

**Version V: Double grab with additional hydraulic operated spreader bar in order to move the cubes together towards the center. Includes crane boom with rigid load extension**

**Advantage:** Two packs can be handled at one time, enormous time saving. Distance between the 2 packs can be eliminated during driving from production conveyor to the stockyard. No loss of lifting height.

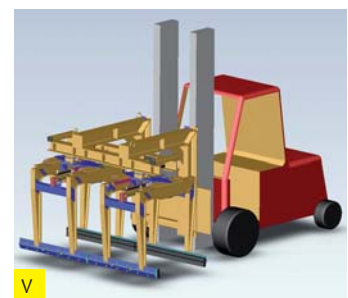
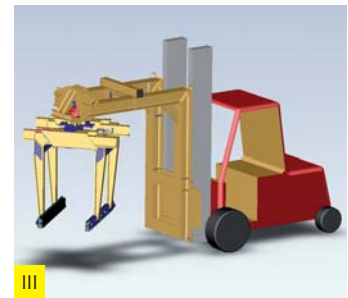
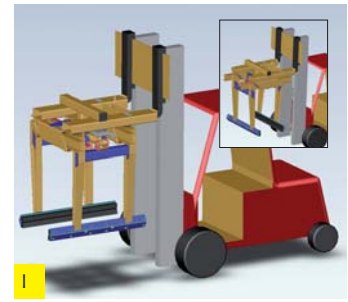
**Disadvantage:** No rotation of the pack. Mounting and dismounting to the forklift takes about 10 minutes

**Version VI: Double grab as above (Version V), additionally equipped with telescopic crane boom to load the trucks from one side only**

Due to special features, an 8 ton forklift is sufficient despite of large load extension.

**Advantage:** See version V, but additionally trucks can be loaded from one side only. Saves space in the yard. Full lifting height.

**Disadvantage:** No rotation of the pack. Mounting and dismounting to the forklift takes about 10 minutes





## Forklift grabs for very special tasks

### Fork Lift Grab STAZ-S-4 – The powerful 4-side clamp

- Specially designed for the safe gripping of un-straped and un-compressed stacks of multi-layer production
- Because the main and the end gripping is hydraulically controlled separately, and by using pressure plates, an exact compression of the stacks and the elimination of any gaps are achieved
- Pressure plates and fork sleeves optionally available

Type**	Opening Width Main Gripper *W1 mm (in)	End Gripper W2 mm (in)	Height* E mm (in)	Working Load Limit WLL kg (lbs)	Dead Weight kg (lbs)	Order- Number
STAZ-S-4-850	550 – 1,230 (21¾ – 48")	900 – 1,400 (35½ – 55")	850 (33½")	3,000 (6,600)	740 (1,630)	5700.0106
STAZ-S-4-1000	550 – 1,230 (21¾ – 48")	900 – 1,400 (35½ – 55")	1,000 (39")	3,250 (7,150)	780 (1,720)	5700.0109
STAZ-S-4-1200	550 – 1,230 (21¾ – 48")	900 – 1,400 (35½ – 55")	1,200 (47")	3,500 (7,700)	890 (1,960)	5700.0149



STAZ-S-4 + fork sleeve + pressure plates



STAZ-SLC + fork sleeve

### Selective Layer Clamp STAZ-SLC – Pick block layers easily with the forklift

- Especially designed for order picking of individual number of layers of pavers and slabs
- Has an integrated, adjustable height stop, controlled by the gripping function, only one hydraulic circuit is necessary
- Adjustable height stop is being controlled by a scissor system – it therefore reduces the necessary space required
- Fork sleeves, hydraulic connecting hoses and clamps optionally available

Type**	Opening Width W1 mm (in)	Height E mm (in)	Working Load Limit WLL kg (lbs)	Dead Weight kg (lbs)	Order- Number
STAZ-SLC	370 – 1,370 (14½ – 54")	500 (700) (19¾") (27½")	1,500 (3,300)	310 (680)	5705.0015

### Fork Lift Grab STAZ-KS – Specially designed for operation in silicate block factories

- With crane boom, hydraulic continuous rotator, hydraulic swing damper and rubber grippers for handling silicate blocks gently
- Working load limit up to 6,000 kg
- Different models to cope with specific needs available on request



STAZ-KS

\* Larger or modified opening widths and heights are available on request

\*\* For standard equipment and optional accessories see page 4

## Fork Lift Grab STAZ-P – The simple and cost-effective solution

Specially designed for the heavy duty work with forklift truck.

- Grab rigidly fixed to the carriage plate of the forklift.  
Gripper near to the forklift does not move
- Grips the pack by pressing it towards the gripper close to the forklift. This achieves smallest possible load center of the pack
- Light-weight, yet with a high working load limit due to the use of high-tensile steel for load bearing parts
- With the large opening range and the grippers of variable length and design, STAZ can be adapted flexibly to all common construction material packages
- Fully hydraulic parallel opening range
- Low maintenance steel polyamide sliding guides



STAZ-P

Type**	Opening Width Main Gripper * W1 mm (in)	Height * E mm (in)	Working Load Limit WLL kg (lbs)	Dead Weight kg (lbs)	Order- Number
STAZ-SS/S-1000-UNIGRIP-I-P	580 – 1,260 (22¾ – 50")	1,000 (39")	2,300 (5,100)	440 (970)	5700.0087



STAZ-KA

Type**	Opening Width Main Gripper * W1 mm (in)	Height * E mm (in)	Working Load Limit WLL kg (lbs)	Dead Weight kg (lbs)	Order- Number
STAZ-S-1000-UNIGRIP-II-KA	370 – 1,370 (14½ – 54")	1,000 (39")	2,000 (4,400)	590 (1,300)	5700.0107

## Fork Lift Grab STAZ-KA – The powerful clamp with integrated crane boom

Specially designed for the heavy duty work with forklift truck.

- Grab **with integrated crane boom** rigidly fixed to the carriage plate of the forklift
- The clamping movements of the grab are synchronized, the grippers are moving towards the cube simultaneously from both sides
- Light-weight, yet with a high working load limit due to the use of high-tensile steel for load bearing parts
- With the large opening range and the grippers of variable length and design, STAZ can be adapted flexibly to all common construction material packages
- Fully hydraulic parallel opening range
- Low maintenance steel polyamide sliding guides

**Polyamide sliding guides come with a 5 year guarantee**

\* Larger or modified opening widths and heights are available on request

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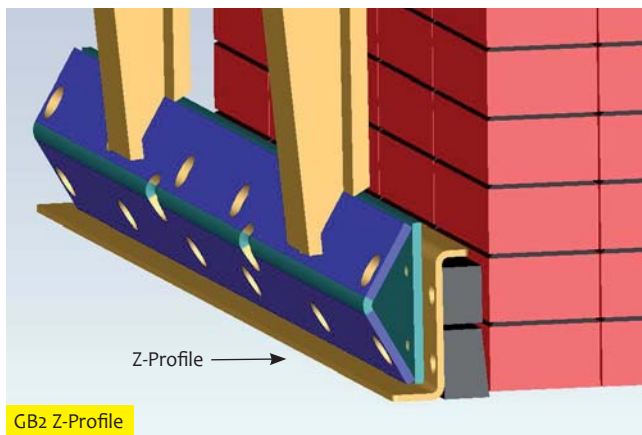


## A firm grasp – grippers for STAZ forklift clamps

### Rubber Grippers GB2

Highly wear resistant, replaceable, 2-row rubber-metal bars in screwed design.

- Bottom rubber with wedge shaped design to exert clamping pressure on the very bottom of the grippers
- Light-weight, suitable for all models and available in various lengths
- Thick rubber linings ensure a careful handling of delicate concrete products
- Following lengths (mm) available:  
720/780/850/1.000/1.100/1.200/1.250/1.300 \*
- **Applications:** 1. Stacks of large concrete elements.  
2. Stacks of paving blocks, each row vertically steel-strapped

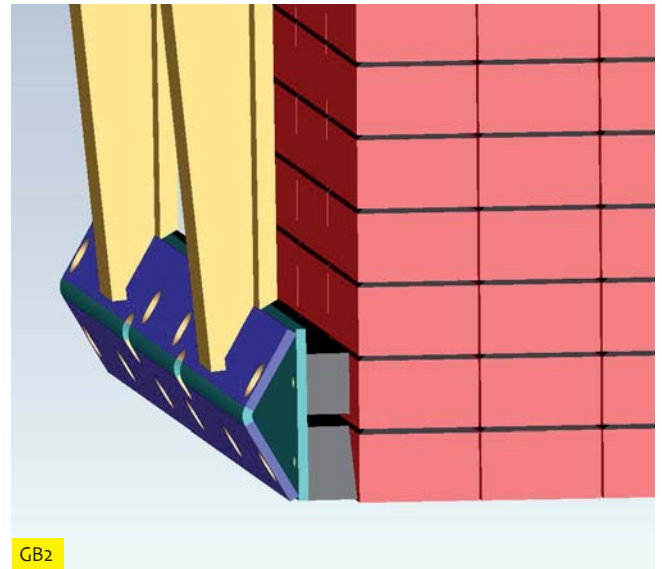


### Steel Finger Grippers STB1

A heavy-duty design, extra-deep gripping for transporting not vertically steel strapped pavers.

- Quickly exchangeable against rubber gripper bars GB2Z with 2 bolts, secured by screws
- Single spring-steel fingers are suitable for almost all block shapes which means the safe handling of most products
- Following lengths (mm) available:  
1.000/1.200/1.250/1.300 \*
- Opening width of fork lift attachment grab STAZ is reduced for 60 mm towards the rubber gripper bars
- **Applications:** Stacks of paving blocks which are either not, or only partly, vertically steel-strapped and which are produced on a single layer machine with a gripping width up to 850 mm and a minimum block thickness of 60 mm

Further models of gripping elements, e. g. with colourless rubber or specially adjusted shaped grippers are available on request.



### Rubber Grippers with quick change system GB2 Z-Profile

Design and utilization as described above, but in this case the rubber elements are secured to a Z-shape steel carrier.

- The complete gripper is fixed to the body of the grab by means of 2 pins
- When different length of grippers are needed, they can be exchanged quickly by this quick change system



### Double Steel Finger Grippers STB2

These have the same characteristics and design as the steel finger grippers STB1, but with 2 grippers on top of each other mounted on a limited spreader bar.

- Following lengths (mm) available: 1.200/1.250/1.300 \*
- **Applications:** Stacks of paving blocks which are either not, or only partly, vertically steel-strapped and which are produced on a single layer machine, with a gripping width up to 1,050 mm and a minimum block thickness of 60 mm

\* Further gripper lengths available on request

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