



Probst gets things moving –
innovative, efficient and ergonomic

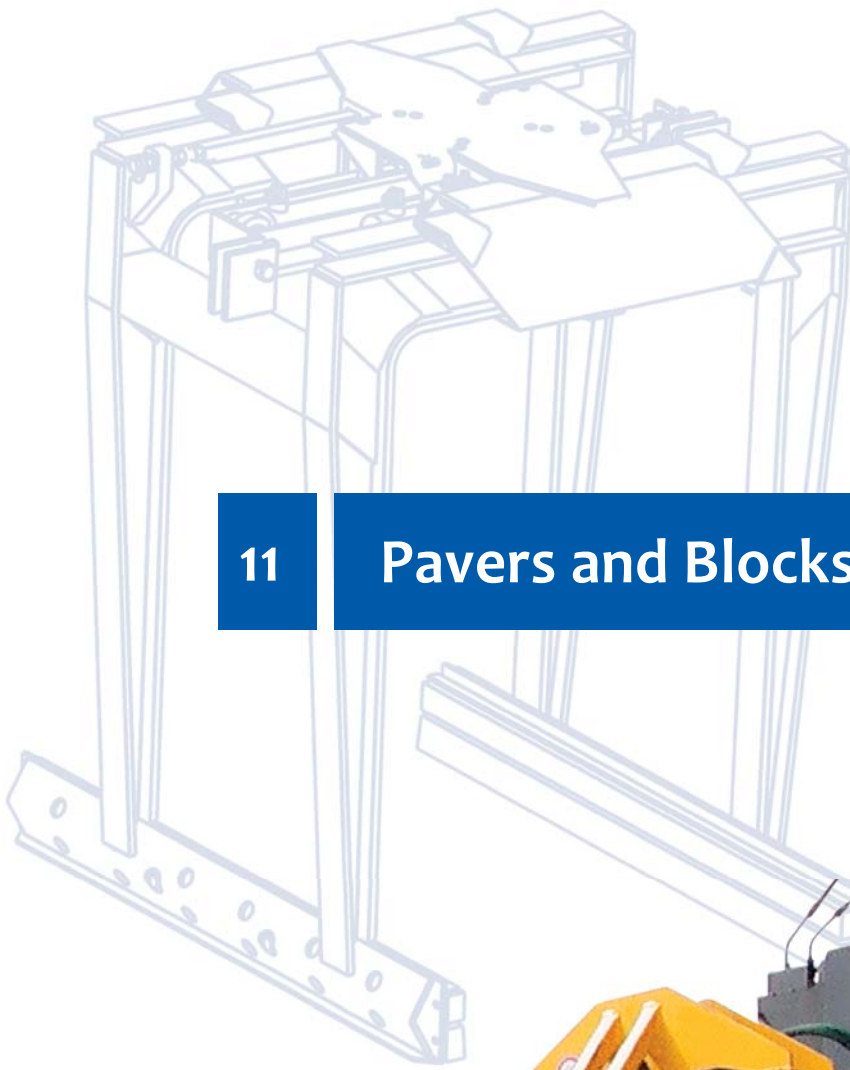


Building Material Plants – In-plant Handling



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.

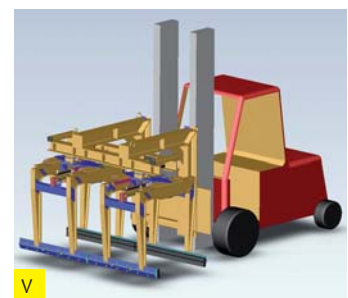
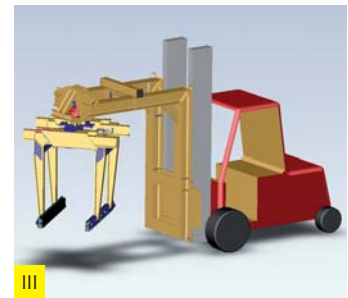
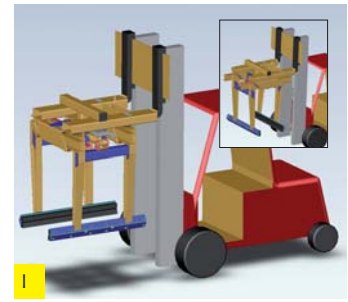
Disadvantage: No rotation of the pack. Mounting and dismounting to the forklift takes about 10 minutes

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

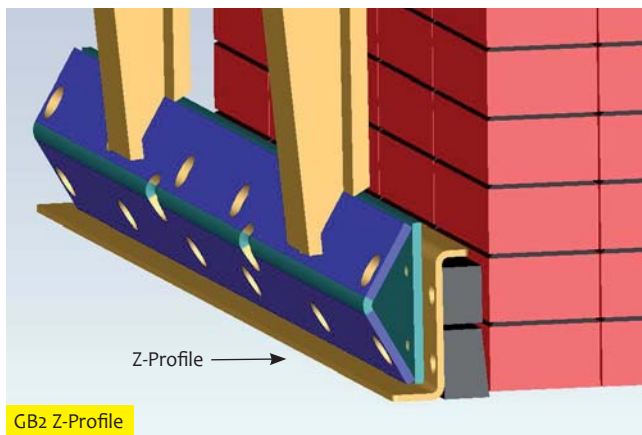
** For standard equipment and optional accessories see page 4

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

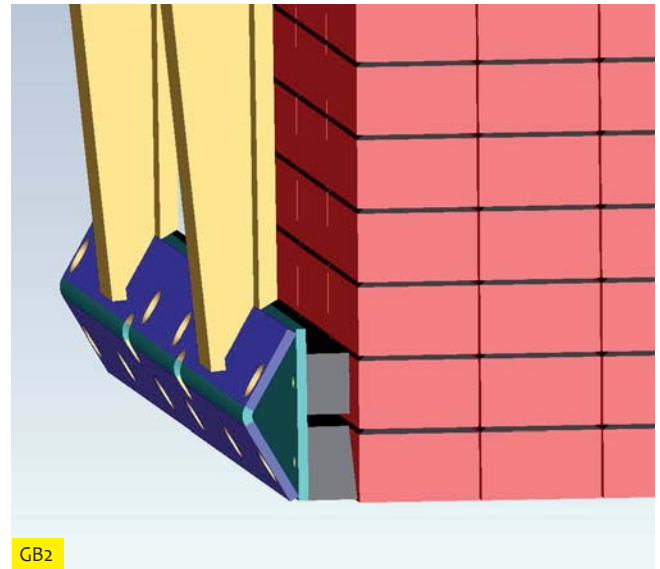


Steel Finger Grippers STB1

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

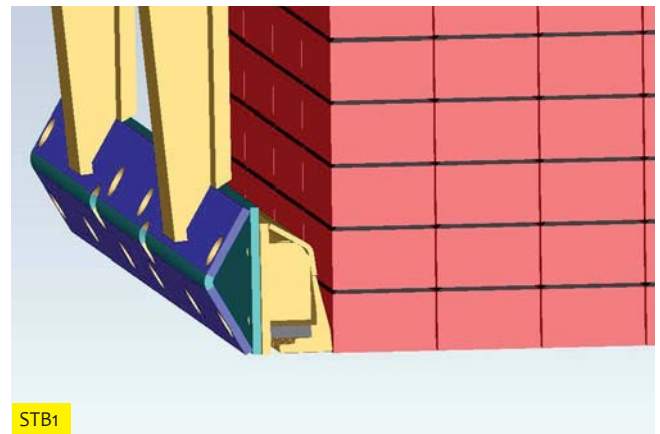
Further models of gripping elements, e. g. with colourless rubber or specially adjusted shaped grippers are available on request.



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

Probst GmbH
Gottlieb-Daimler-Straße 6
71729 Erdmannhausen, Germany
Phone +49 7144 3309-0
Fax +49 7144 3309-50
info@probst-handling.com

www.probst-handling.com

Our branch in United Kingdom

Probst Handling Equipment
Unit 2 Fletcher House, Stafford Park 17
Telford, Shropshire, TF3 3DG
Phone + 44 1952-292733 • Fax + 44 1952-290480
info@probst-handling.co.uk
www.probst-handling.co.uk



Site equipment



Tile Handling



Truck Crane Attachments



Service



We will gladly advice you.

MACHINETOOL

Oy Machine Tool Co
Teerikukonkuja 4, 00700 Helsinki
Finland
www.machinetool.fi