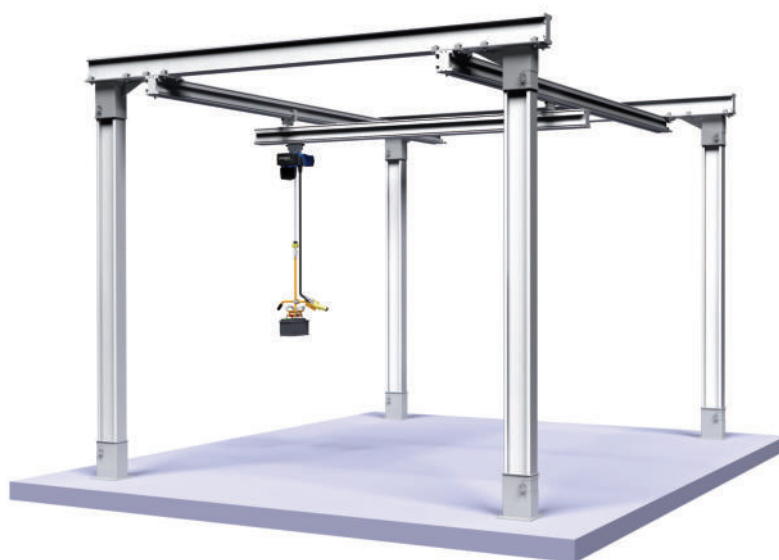


ALUMINIUM
INSTEAD OF
STEEL

HANDLING SYSTEM CELL

COMPLETE SYSTEM



**UP TO 70%
LESS WEIGHT**
COMPARED
TO IPE-PROFILES

**QUICK
ASSEMBLY
REASSEMBLABLE**
DUE TO LIGHTWEIGHT
CONSTRUCTION

**THE BEST OF
TWO SYSTEMS
COMBINED**
POLYGON-PROFILE
AND ROLLYXPLUS+

HANDLING SYSTEM CELL

COMPLETE SYSTEM

The advantages:

HANDLING SYSTEM CELLS made entirely of aluminium

BETTER - because the **HANDLING SYSTEM CELL** from STRÖDTER, as a symbiosis of the aluminium polygonal support and the ROLLYXPLUS+ rail system form a perfect unit for the production of working areas with rail system in combination with handling systems up to 1000 kg.

SAFE - because the power cables in the **HANDLING SYSTEM CELL** do not hang down from the rails in a disruptive manner, but are integrated in the rails and the carrier and therefore cannot be damaged, e.g. by forklift traffic. The problem of interfering energy cables hanging down from other cables is solved with the **HANDLING SYSTEM CELL**.

TIME SAVING - all system components can be delivered completely pre-installed due to their integration with each other and can be easily plugged together during assembly. This prefabricated construction method allows not only the fastest assembly times but also easy dismantling.

COST-REDUCING - because the **HANDLING SYSTEM CELL** reduces planning, material and assembly costs.

EFFICIENT - more stable and lighter • multifunctional • significant space gain

• no disturbing energy supply lines • reduces planning & assembly times • custom-fit solutions

THE ALTERNATIVE TO STEEL BEAMS

Available as semi-finished product or as ready-to-install STACK-SCREW SYSTEM
e.g. for gantries

SURFACE ANODISED OR IN COLOURED, POWDER-COATED VERSION

This eliminates the need for blasting and painting, as required for steel girders!

UP TO 70% LESS WEIGHT

Compared to comparable steel profiles with the same rigidity.

Assembly possible without crane/forklift due to light weight

ENERGY SUPPLY CAN BE INTEGRATED!

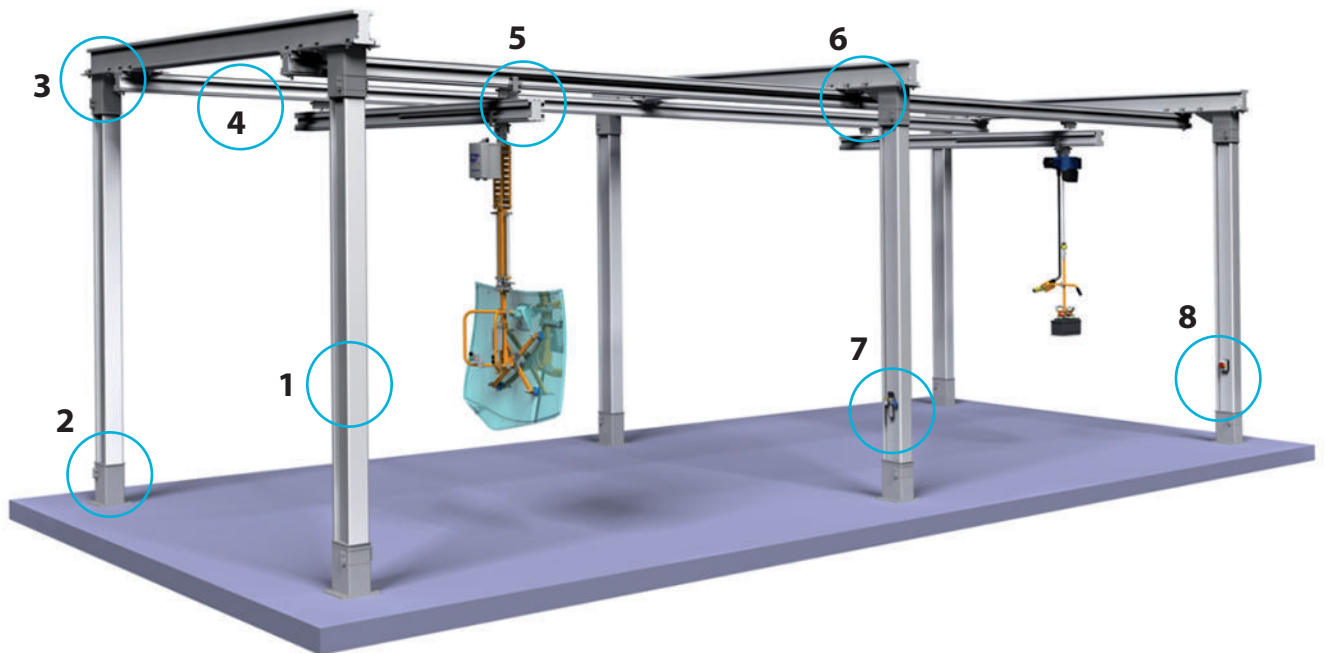
The internal electrical and pneumatic lines are routed in a protected manner and fitted with plug-in connections.



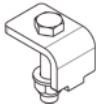
NOBLE DECORATIVE DESIGN

Visually appealing due to refined surfaces (clean gloss technology)

THE SYSTEM

COMPLETE SYSTEM



-  1 Aluminium polygon carrier as multi-chamber precision profile with low weight and highest stability
-  2 Support foot with height levelling element
- 3 Attachable girder head for clamping by screw connection
- 4 ROLLYXPLUS+ track with integrated energy supply system
- 5 Integrated energy chains and disconnecting plug for rapid assembly/disassembly
-  6 Clamping screw connections for easy mounting and dismantling
- 7 Maintenance unit, pneumatic feed [with internal cable routing](#)
- 8 Main switch, electrical supply [with internal cable routing](#)



ALULIGHT PROFILE BEAM

COMPLETE SYSTEM

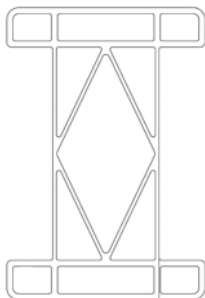
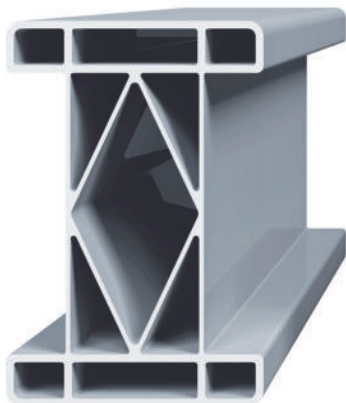
Aluminium based beam P 245 up to 2000 kg - the Polygon profile

The POLYGON PROFILE is an extruded multi-chamber precision profile. The silver anodised surface is weather-resistant and maintenance-free. Alternatively, colour coatings are available on request.

The multi-chamber profile with its low dead weight and maximum stability offers many advantages for future mechanical and systems engineering.

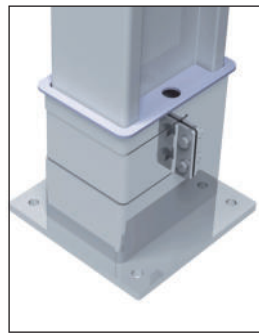
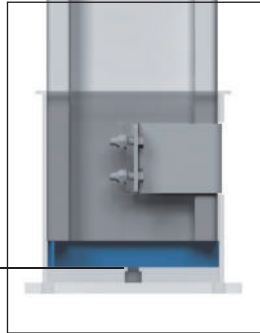
P 245

up to 2000 kg



CARRIER FOOT with height setting

Levelling device



TRAILER HEAD For plug on and clamp

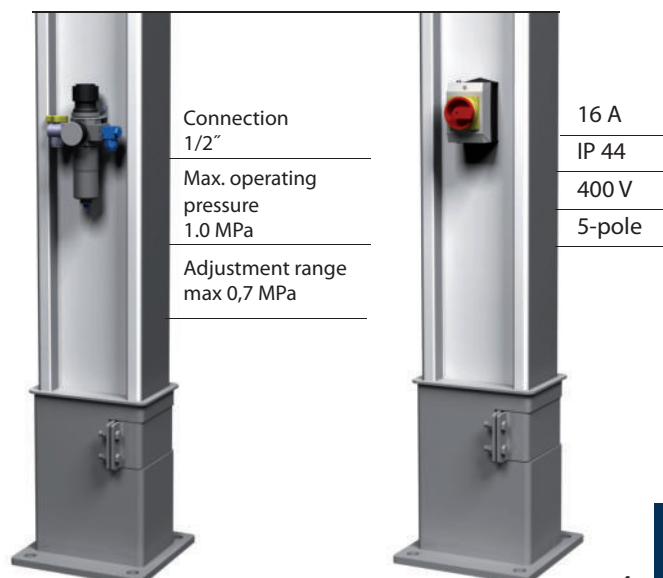


ENERGY CONNECTION

Cable carriers in the beam
internal | protected

Power supply
Main switch

Power supply
Maintenance unit



ALUMINIUM INSTEAD OF STEEL

COMPLETE SYSTEM

Aluminium beams instead of steel beams

STRÖDTER offers aluminium sectional beams with the trade name "POLYGON BEAM" on the market.



These beams are available as semi-finished products and as a complete system with beam connector, suspensions and clamping elements. The girders resp. the system are perfectly suited for the creation of girder portals from the STRÖDTER modular system.

The stable and light aluminium construction allows lower floor and hall loads, e.g. with girder portals or belt top constructions.

Gantry systems/girder constructions in different sizes and dimensions can be realised with POLYGON BEAMS.

As semi-finished products, they can also be used, e.g. as column or ceiling girders!

Compared to the standard, heavier steel girders, these new, lightweight and functionally POLYGON beams made of aluminium offer these great advantages

ROLLYXPLUS+ RAIL SYSTEM

COMPLETE SYSTEM

PLUS+ integrated
ENERGY CHAINS



PLUS+ integrated
COMPRESSED AIR LINES



PLUS+ integrated
POWER SUPPLY AND
CONTROL LINES



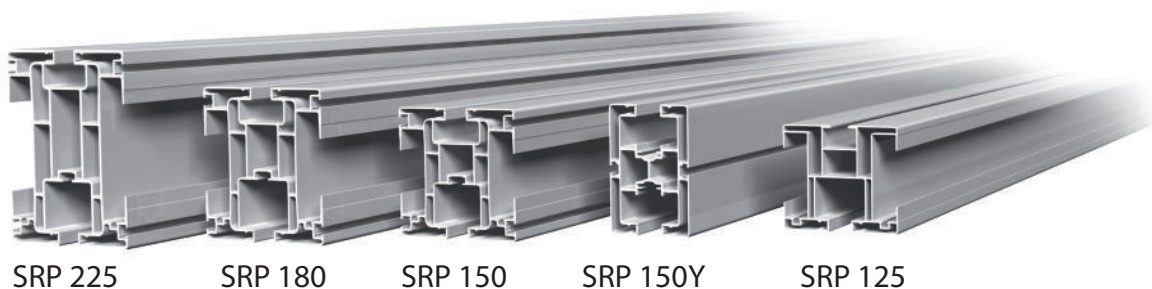
ROLLYXPLUS+ The track system for more productivity

• Smooth running • Functionality • Automation

Intelligent design

The **ROLLYXPLUS+** multifunctional rail as an extruded multi-chamber aluminium precision profile. The multi-chamber profile technology achieves maximum bending and torsional stiffness with a low dead weight. The aluminium light-running track system is hard-anodised in natural colour and available in lengths of up to 8 m rail profile length.

The integrated energy supply system eliminates the disturbing, often used hanging energy supply systems. The entire rail length can be used as a travel path - resulting in shorter track lengths due to the complete elimination of cable and hose drag systems in the track. This saves rails.



SRP 225

SRP 180

SRP 150

SRP 150Y

SRP 125

HANDLING SYSTEM CELL | 2-PORTAL

with **ROLLYXPLUS+** rail system

Load capacity up to 1000 kg

Simple, fast and retrofittable from 2000 to 3000 kg



**WORKING AREA
STANDARD**

An easy-to-use light crane system is part of the practical equipment of workplaces. Start with our basic system. The unit consists of a 2-PORTAL CONSTRUCTION with X/Y-**ROLLYXPLUS+** rail system.

- Easily mounted
- visually appealing
- **ROLLYXPLUS+** rail system from **STRÖDTER**



HANDLING SYSTEM CELL

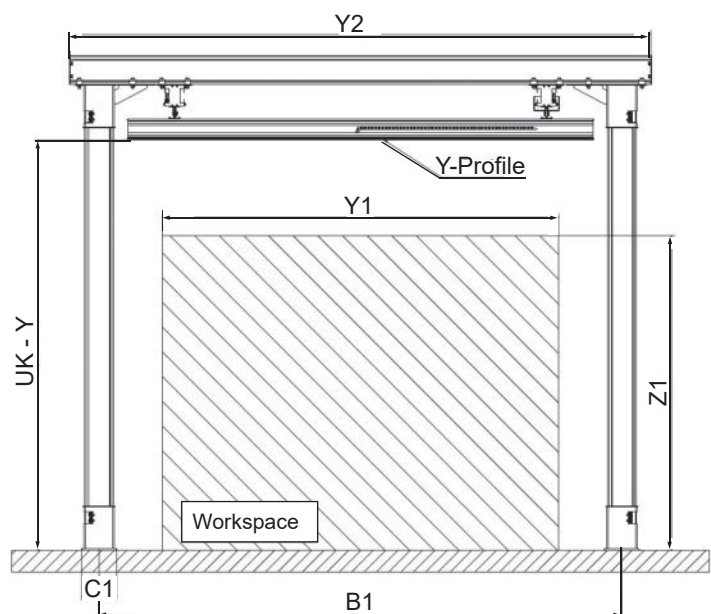
for STRÖDTER handling systems

- Articulated arm manipulators
- Lifting axis manipulators
- Rope balancers
- Pneumatic balancers
- Storage and retrieval machines
- Chain hoists

As a complete system with suitable STRÖDTER product grippers.

We would be pleased to design the right technology for your needs.

[Just send us an email!](#)



HANDLING SYSTEM CELL | MULTI PORTAL

with **ROLLYXPLUS+** rail system
Load capacity up to 1000 kg
Simple, fast and retrofittable from 2000 to 3000 kg



The MULTI PORTAL CONSTRUCTION is suitable for the realisation of large production areas and the modular system makes it possible to quickly design customised workstations. With the handling technology we offer the user the possibility of creating high-quality handling systems with extremely smooth-running properties in a simple way for his production area.

- Easily mounted
- visually appealing
- **ROLLYXPLUS+** rail system from **STRÖDTER**



HANDLING SYSTEM CELL for STRÖDTER handling systems

- Articulated arm manipulators
- Lifting axis manipulators
- Rope balancers
- Pneumatic balancers
- Storage and retrieval machines
- Chain hoists



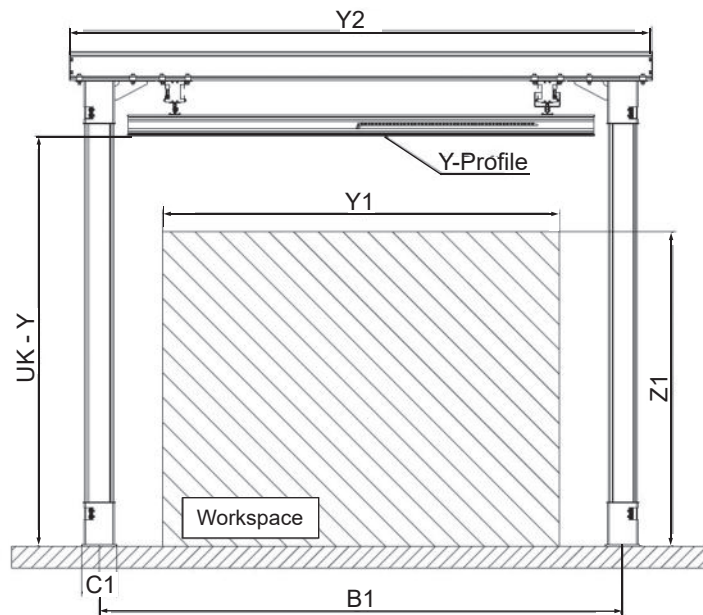
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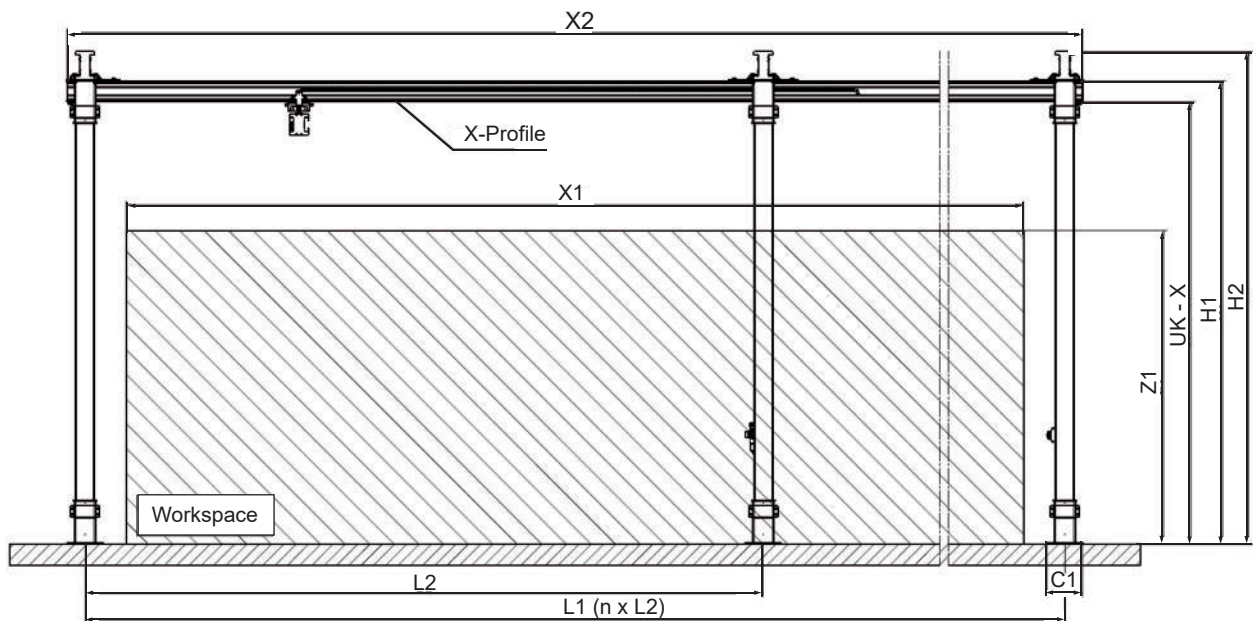
HANDLING SYSTEM CELL | MULTI PORTAL

Front view / workspace



HANDLING SYSTEM CELL | MULTI PORTAL

Side view / workspace



HANDLING SYSTEM CELL

SHOWROOM

HAMM

Germany

MAXDORF

Germany

BAVARIA

Germany

DEBRECEN

Hungary

STRÖDTER



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