

A close-up photograph of a complex industrial conveyor or material handling system. It features a prominent red light bar at the top, supported by a silver metal frame. Below the light bar, there are black plastic components with a ribbed texture. A large, cylindrical metal tube runs horizontally across the middle of the frame. The background is a plain, light-colored wall.

**item**

Systematic innovation.

New Products Spring 2012



## Experience innovation – the new item products for Spring 2012.

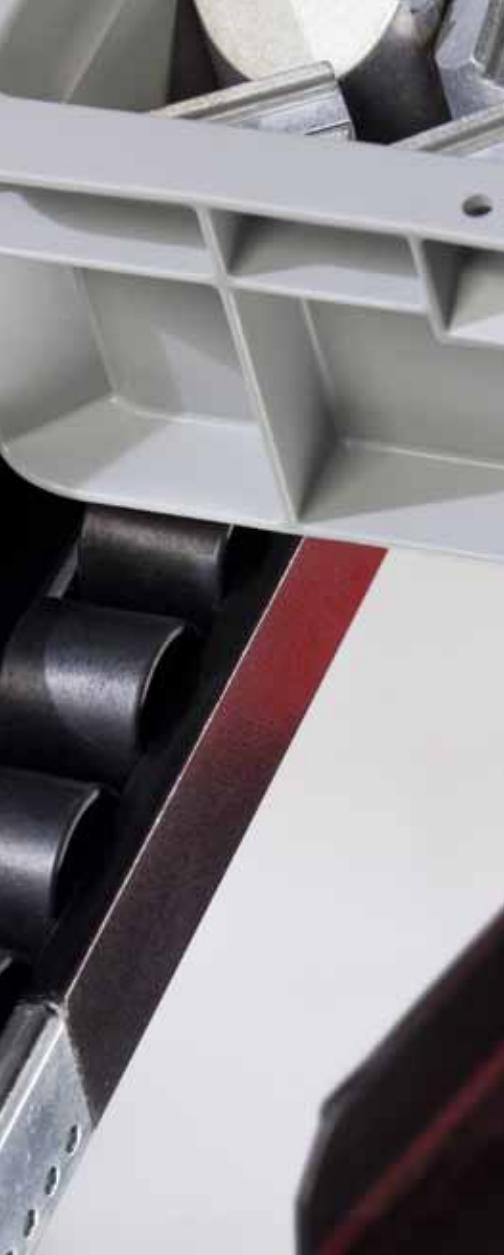
Ergonomic work bench systems, Line D30 and innovative enhancements for the MB Building Kit System – discover new ideas from item.

A huge range of potential applications, exceptional product quality and outstanding service are what make the difference. item solutions are tried and tested and centred around customer requirements.

Whether equipment, work benches or handling robots – our new products for Spring 2012 are sure to include new solutions for your operations.

### 04 Work Bench System

New products and ideas for the provision of materials, tools and equipment at the work bench. A focus on cost-effectiveness and ergonomics results in tailor-made products with specialist functions and optimum design. That's why working at an item work bench really does create added value.



## 13 Line D30

The basic concept of lean production is to ensure processes are simple enough that they can always be adapted to new product and handling requirements. Goods flows and provisioning systems need to be flexible to ensure high availability with minimum effort and without high stock levels. The new item components in Line D30 are the ideal solutions for lean production.

## 22 MB Building Kit System

The new products in the MB Building Kit System are designed to simplify profile machining and improve results. For a construction to be a genuine success, even its assembly has to be cost effective – turning your ideas into reality quickly and faithfully with results you can rely on and technology you can trust. What's more, the benefits of flawless assembly work become clear in subsequent operation and use.



## Work Bench System

- |           |                                      |           |                        |
|-----------|--------------------------------------|-----------|------------------------|
| <b>05</b> | Shelf Cap Set 8 200 with Raised Edge | <b>07</b> | Holder 8 D80           |
| <b>05</b> | Shelf Cap Set 8 320 with Raised Edge | <b>07</b> | Cloth Holder 8         |
| <b>07</b> | Hook 8 80x40                         | <b>10</b> | Bottle Holder 8 Insert |
| <b>07</b> | Hook 8 R40                           | <b>10</b> | Bottle Holder 8        |
| <b>07</b> | Hook 8 40x20                         | <b>10</b> | Cup Holder 8           |
| <b>07</b> | Hook 8 40x40                         | <b>12</b> | Tool Balancer 2-3 kg   |
| <b>07</b> | Hook 8 80x20                         |           |                        |
| <b>07</b> | Holder 8 240x80                      |           |                        |

Keeping everything in place.



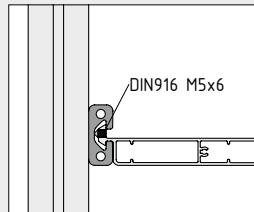
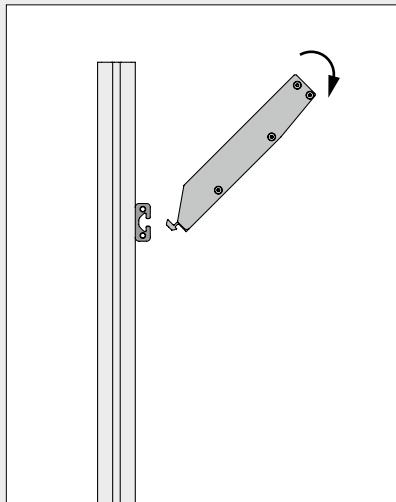
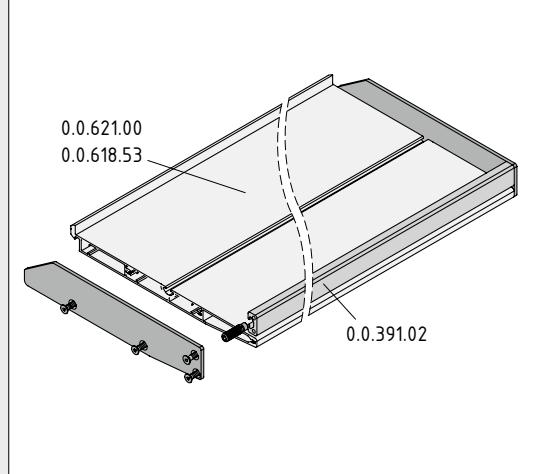
Simply slot in



## Shelf Cap Set 8 with Raised Edge

The solution that stops objects dropping off shelves – Shelf Profile 8 200 and Shelf Profile 8 320 can now be fitted with caps that also form a raised edge along their sides. When combined with a Profile 5 20x10 along the front, these Cap Sets help create a lip all the way around the shelf.

The Shelf Cap Sets include all the fastening elements needed to construct a shelf of any length. Profile 5 20x10 must be the same length as the Shelf Profile.

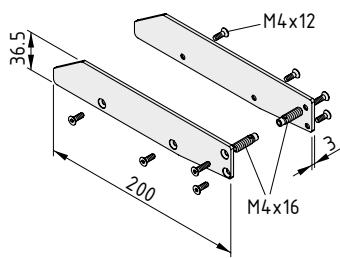


If a Line 8 groove is not available to fit the shelf, a Shelf Adapter Set 8 (0.0627.14) can be used to fit it wherever required.



### Tip

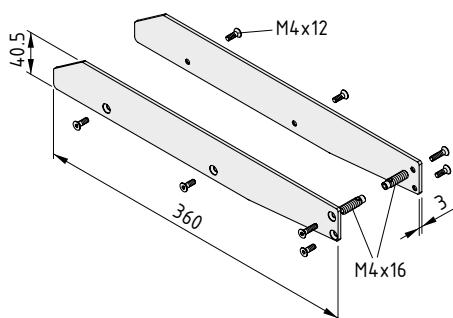
Shelf Profiles are available in any length up to 6 m (Shelf Profile 8 200, 0.0.618.53 and Shelf Profile 8 320, 0.0.621.00).



#### Shelf Cap Set 8 200 with Raised Edge

2 shelf caps 8 200, St, white aluminium  
6 Countersunk Screws DIN 7991-M4x12, St, bright zinc-plated  
2 Countersunk Screws DIN 7991-M4x16, St, bright zinc-plated  
2 Automatic Fasteners 5 sleeves with threads, St, bright zinc-plated  
 $m = 362.0 \text{ g}$

1 set 0.0.647.68



#### Shelf Cap Set 8 320 with Raised Edge

2 shelf caps 8 320, St, white aluminium  
6 Countersunk Screws DIN 7991-M4x12, St, bright zinc-plated  
2 Countersunk Screws DIN 7991-M4x16, St, bright zinc-plated  
2 Automatic Fasteners 5 sleeves with threads, St, bright zinc-plated  
 $m = 577.0 \text{ g}$

1 set 0.0.647.65

Hooked on support.



### Hook 8 R40

A fully rounded solution. Hook 8 R40 forms a retainer for cylindrical or elongated hand tools and workpieces. It comes with PVC sheathing to prevent objects slipping out of place.

### Hook 8 80x40

The hook that does more. Because Hook 8 80x40 protrudes further than other models, it can also be used to hold larger objects safely in place. It can be installed inside the handling area, to the side of the working surface, or in front of the working surface.



The following applies to all the products below:

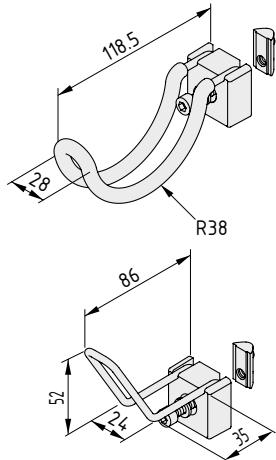
Wire, St, stainless

Wire mount, PA-GF

Hexagon Socket Head Cap Screw DIN 912-M6x20, St, bright zinc-plated

Washer DIN 433-6.4, St, bright zinc-plated

T-Slot Nut V 8 St M6, bright zinc-plated



**Hook 8 R40**

PVC sheathing

m = 69.0 g

black, 1 set

0.0.648.90



**Hook 8 80x40**

m = 60.0 g

black, 1 set

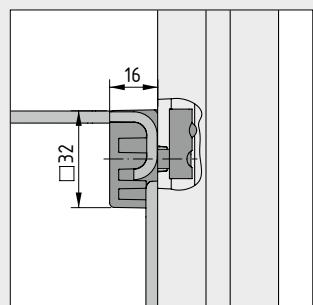
0.0.634.67

grey, 1 set

0.0.634.80



In the colour of your choice. All the hooks and holders in the design award-winning range from item are now available with either black or grey plastic elements.



The following applies to all the products below:

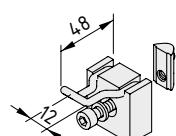
Wire, St, stainless

Wire mount, PA-GF, grey

Hexagon Socket Head Cap Screw DIN 912-M6x20, St, bright zinc-plated

Washer DIN 433-6.4, St, bright zinc-plated

T-Slot Nut V 8 St M6, bright zinc-plated

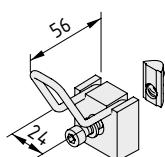


**Hook 8 40x20**

m = 48.0 g

grey, 1 set

0.0.634.74



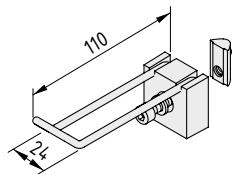
**Hook 8 40x40**

m = 54.0 g

grey, 1 set

0.0.634.82





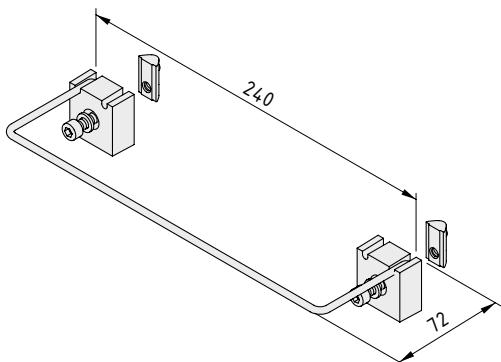
Hook 8 80x20

m = 61.0 g

grey, 1 set



0.0.634.83



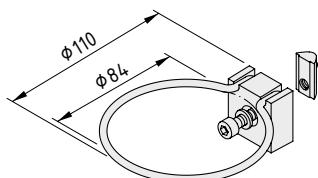
Holder 8 240x80

m = 74.0 g

grey, 1 set



0.0.634.75



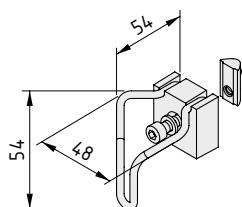
Holder 8 D80

m = 53.0 g

grey, 1 set



0.0.634.76



Cloth Holder 8

m = 58.0 g

grey, 1 set



0.0.634.81

For large and small bottles.

Available in grey or black

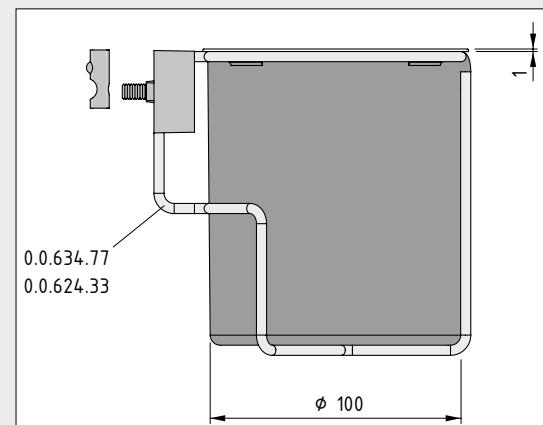


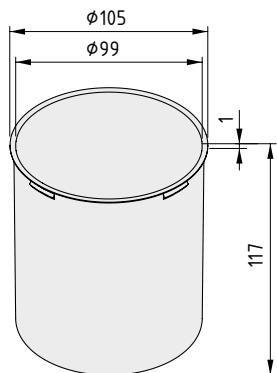
## Bottle Holder 8 Insert

This insert opens up a whole new range of applications for Bottle Holder 8. When used with this insert, the Bottle Holder can safely accommodate bottles of any size or be used as a sizeable container (0.8l) for materials and tools.

A choice of two colours – grey or black – also enables users to differentiate between different uses.

In the colour of your choice. All the hooks and holders in the design award-winning range from item are now available with either black or grey plastic elements.





**Bottle Holder 8 Insert**

8  
↓

PP	
Dishwasher safe	
m = 39.0 g	
black, 1 pce.	0.0.649.45
grey, 1 pce.	0.0.647.81

The following applies to all the products below:

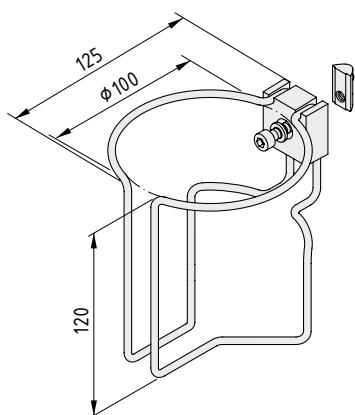
Wire, St, stainless

Wire mount, PA-GF

Hexagon Socket Head Cap Screw DIN 912-M6x20, St, bright zinc-plated

Washer DIN 433-6.4, St, bright zinc-plated

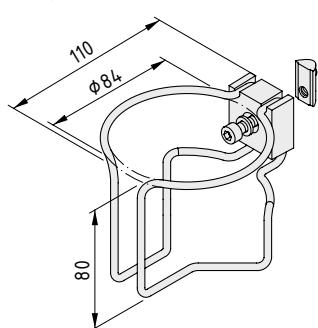
T-Slot Nut V 8 St M6, bright zinc-plated



**Bottle Holder 8**

8  
↓

m = 140.0 g	
grey, 1 set	0.0.634.77



**Cup Holder 8**

8  
↓

m = 114.0 g	
grey, 1 set	0.0.634.78

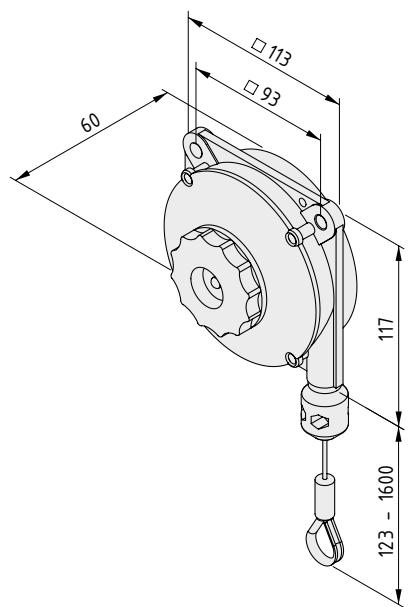


Finding the right balance.

## Tool Balancer

The new Tool Balancers from item ensure everything is in perfect equilibrium. The retraction force is manually adjustable and an integrated securing loop is included. The Tool Balancers can be easily adjusted to suit the reach of the operator. Simply select the version that is most suitable for your tools – 0.4-1 kg (0.0.631.84) or 1-2 kg (0.0.636.48) or 2-3 kg.

Runner 8 80x40	0.0.618.97
Spring Hook 80 D8	0.0.619.70



Tool Balancer 2-3 kg

Die-cast aluminium  
Wire cable, diameter 2 mm, St, stainless  
 $m = 0.7 \text{ kg}$

1 pce. 0.0.649.96



## Line D30

- |           |                                                         |           |                              |
|-----------|---------------------------------------------------------|-----------|------------------------------|
| <b>14</b> | Cap, Profile Tube D30 heavy duty                        | <b>18</b> | Roller Conveyor St D30 Brake |
| <b>15</b> | Roller Conveyor St Fastening Bracket Adapter Sleeve D30 | <b>18</b> | Roller Conveyor St D30/2     |
| <b>16</b> | Roller Conveyor St Guide Rail e 32                      | <b>21</b> | Hook and Holder Adapter D30  |

All's well that ends well.

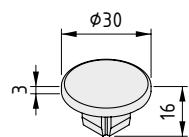
A safe covering without deburring



ESD  
A

### Cap, Profile Tube D30 heavy duty Cap, Tube KH D30

These two new Caps seal the ends of the corresponding tubes. Cut edges do not need to be deburred.



Cap, Profile Tube D30 heavy duty

PA-GF

m = 3.0 g

grey, 1 pce.

0.0.648.68

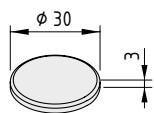
Cap, Profile Tube D30 heavy duty ESD

PA-GF

m = 3.0 g

black, 1 pce.

0.0.649.35



Cap, Tube KH D30

PA-GB

m = 2.3 g

black, 1 pce.

0.0.649.31

Firm fit – flexible fixing.

Turn Profile Tubes into slideways and set-down surfaces

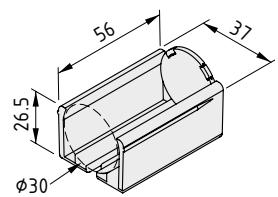
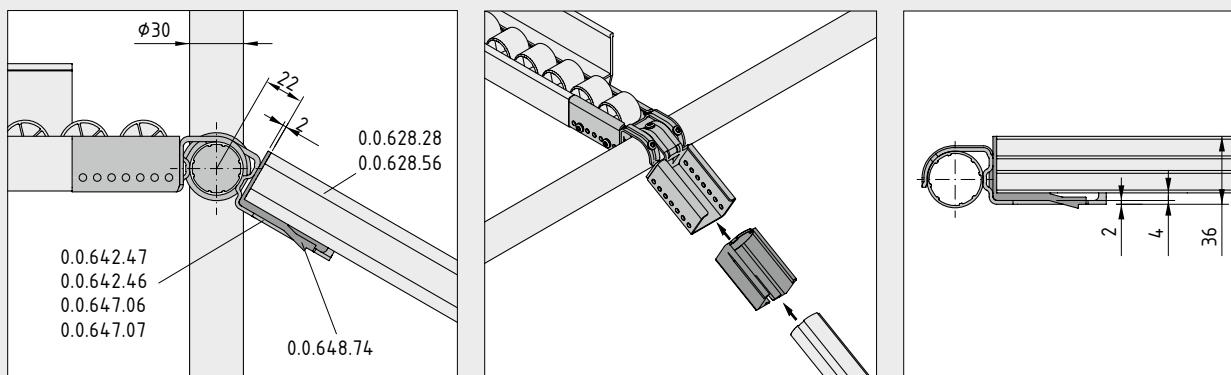


## Roller Conveyor St Fastening Bracket Adapter Sleeve D30

Have you ever tried installing a Profile Tube D30 between two parallel tubes to form a strut that can be used as a set-down surface or slideway? The adapter sleeves make it easier than ever, turning any roller conveyor fastening bracket into a tube fastener in an instant.

Simply push an adapter sleeve into a roller conveyor fastening bracket and then insert a Profile Tube – with a Slide Strip fitted to it, if you wish. That's all it takes to fit a strong horizontal or vertical strut that can be repositioned at will, or fastened permanently in place, if you prefer.

The same colour coding used for plastic components in Line D30 also applies to this product – black indicates the plastic is ESD-safe. As a result, even sensitive components can enjoy a safe ride on slideways.



Roller Conveyor St Fastening Bracket Adapter Sleeve D30 ESD

PA-GF

m = 20.0 g

black, 1 pce.

0.0648.74





Narrow gauge conveyor line.

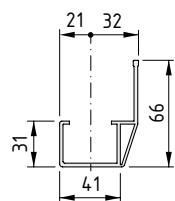
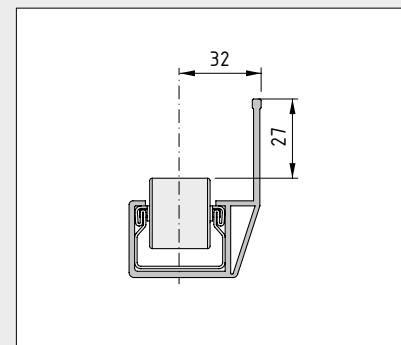
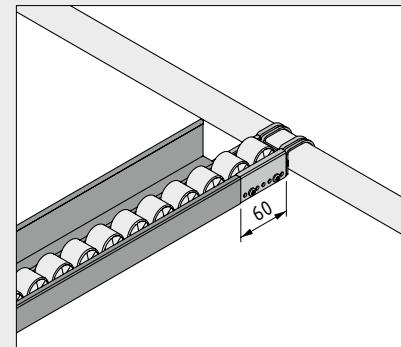
Secure guidance for transport containers



### Roller Conveyor St Guide Rail e 32

Workpiece carriers and small load carriers kept firmly on track. Guide Rail e 32, which can also be retrofitted to Roller Conveyor St D30, ensures your transported goods don't stray from their intended path.

The guide rails are naturally also available in an electrostatically dissipative (ESD-safe) version to help protect sensitive products.



**Roller Conveyor St Guide Rail e 32**

PVC  
 $m = 596 \text{ g/m}$

grey, 1 pce., length 4500 mm

0.0.648.70



**Roller Conveyor St Guide Rail e 32 ESD**

ABS  
 $m = 468 \text{ g/m}$

black, 1 pce., length 4500 mm

0.0.648.72

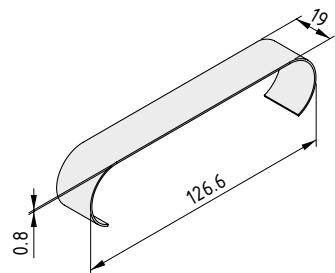
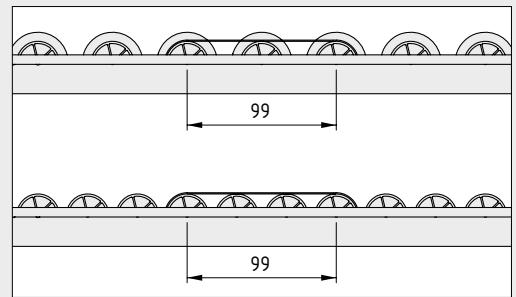


All stop.

Fits over rollers with and without side guides

### Roller Conveyor St D30 Brake

Slowing things down. This brake helps to decelerate the flow of goods on Roller Conveyor St D30 at precisely the point where goods need to move more slowly. It is simply fitted over the rollers.



Roller Conveyor St D30 Brake

St

m = 20.0 g

stainless, 1 pce.

0.0.647.76



No half measures.

For exceptionally gentle transport



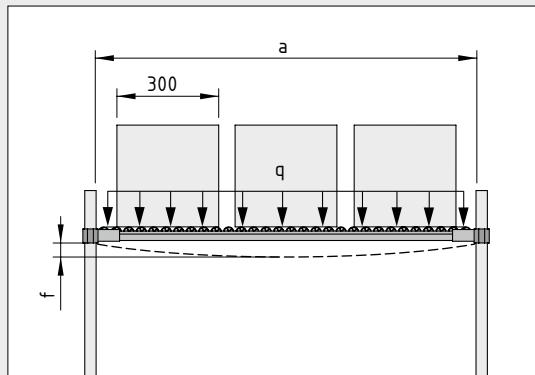
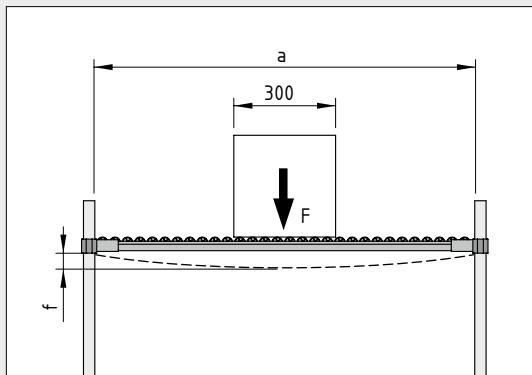
### Roller Conveyor St D30/2

The special design that halves the gap between rollers for double the care. Roller Conveyor St D30/2 offers extremely gentle rolling motion and high load-carrying capacity.

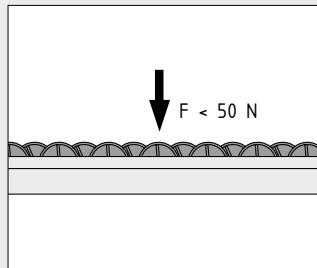
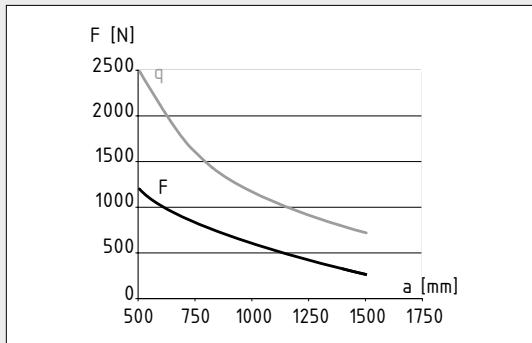
Perfect for transporting sensitive or delicate goods and with extremely low rolling resistance.

Also available in an ESD-safe version for components with particularly high mechanical and electrical requirements.

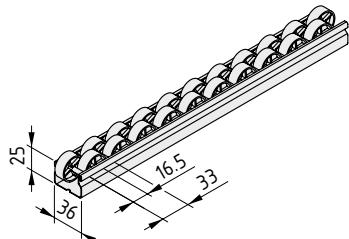




Load specifications for two parallel Roller Conveyors St D30/2.  
Maximum recommended profile deflection:  $f < 1/100 a$



Permissible force on each individual roller:  $F < 50 \text{ N}$



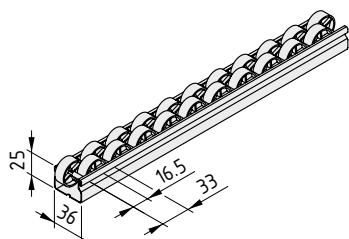
#### Roller Conveyor St D30/2



St, bright zinc-plated  
Rollers PP  
Axles St, bright zinc-plated  
 $m = 900 \text{ g/m}$

grey, 1 pce., length 4500 mm 0.0.648.91

grey, 1 pce., length 3000 mm 0.0.648.77



#### Roller Conveyor St D30/2 ESD



St, bright zinc-plated  
Rollers PP  
Axles St, bright zinc-plated  
 $m = 900 \text{ g/m}$

black, 1 pce., length 4500 mm 0.0.648.94

black, 1 pce., length 3000 mm 0.0.649.54



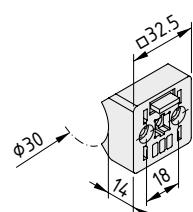
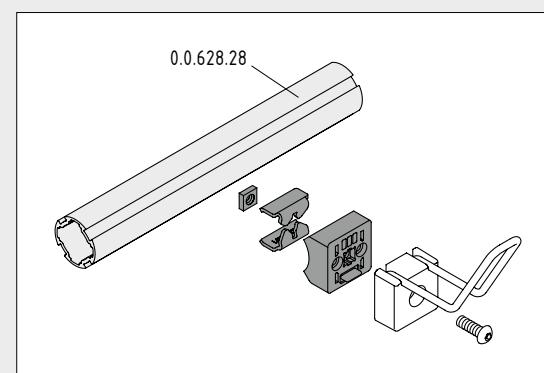
◀ Matches the grey hooks and holders

## Hook and Holder Adapter D30

Compatible with the hook and holder system. The grey adapter for fastening to Profile Tubes and Tube D30.

The retaining plates are used when fastening the adapter to a Line D30 Profile Tube. They use the outer profiling, hold the adapter firmly in place and are easy to position.

Recommended tightening torque for fastening screw: M = 5 Nm.



Hook and Holder Adapter D30

Adapter D30, PA-GF  
2 plates, St, bright zinc-plated  
Square nut DIN M6-04, St, bright zinc-plated  
 $m = 54.0 \text{ g}$

grey, 1 set

0.0.644.57



## MB Building Kit System

- 📄 **23** Standard-Fastening Set 6 E
- 📄 **24** Drilling Jig 8 80, Standard Fastener 8
- 📄 **24** Drilling Jig 8 40, T-Slot Opening
- 📄 **24** Drilling Jig 8 80, T-Slot Opening

Fastening – without a pre-cut thread.



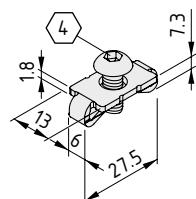
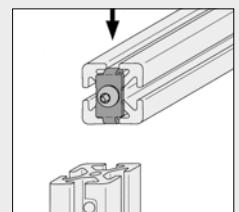
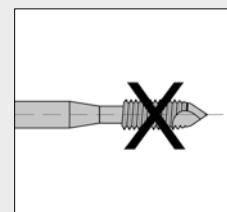
High rigidity



## Standard-Fastening Set 6 E

The Standard Fastener that doesn't need a pre-cut threaded bore – now also available for Profiles 6. The self-tapping screw further reduces machining requirements. It can be driven directly into the core bore of Profiles 6 and Profiles 6 light.

Right-angled, power-locking profile connections with high-strength and minimum processing requirement. The standard connecting plate ensures optimum load application, with the profiles being correctly fixed relative to each other.



### Standard-Fastening Set 6 E

Standard connecting plate 6, St  
Self-tapping Button-Head Screw, head similar to ISO 7380-M5.4x14, St, bright  
zinc-plated

$M_{bright\ zinc-plated} = 10 \text{ Nm}$        $m = 9.0 \text{ g}$

bright zinc-plated, 1 set

0.0.648.65





Spot on.



## Drilling Jig 8 80, Standard Fastener 8

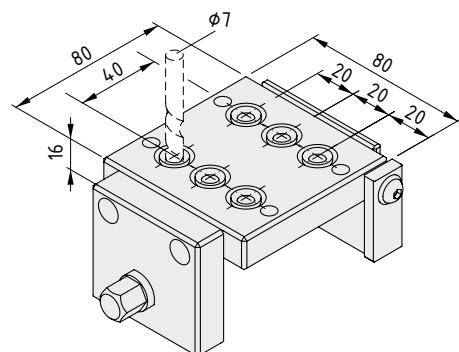
Because Drilling Jig 8 80, Standard Fastener 8 clamps to the outside of a profile, it can also be used on profiles with closed grooves. Suitable for Profiles 8 and Profiles X 8 up to a width of 80 mm.

### Drilling Jig 8 40, T-Slot Opening

### Drilling Jig 8 80, T-Slot Opening

The task: Cutting holes or slots into the closed profile grooves of a Profile 8 or Profile X 8 – in precisely the right position and dimensions for deploying a T-Slot Nut 8 or other fastener.

The solution: The Drilling Jig for opening up grooves, which is fastened to the outside of the profile and incorporates hardened drill bushes for high-precision drill guidance. Simple to use with reliable results!



Drilling Jig 8 80, Standard Fastener 8

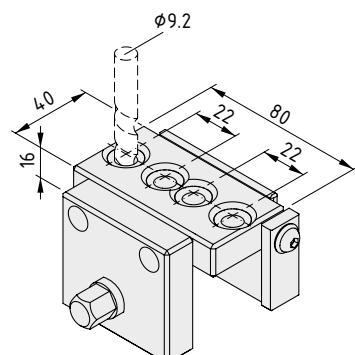
Line 8

St, black

Drill bushes, St, hardened and polished  
Longitudinal limit stop and clamp fitting  
 $m = 1.1 \text{ kg}$

1 pce.

0.0.642.72



Drilling Jig 8 40, T-Slot Opening

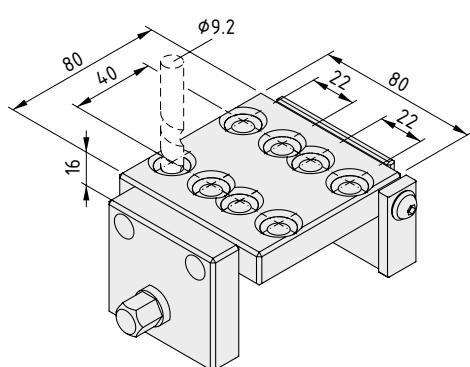
Line 8

St, black

Drill bushes, St, hardened and polished  
Longitudinal limit stop and clamp fitting  
 $m = 764.0 \text{ g}$

1 pce.

0.0.642.70



Drilling Jig 8 80, T-Slot Opening

Line 8

St, black

Drill bushes, St, hardened and polished  
Longitudinal limit stop and clamp fitting  
 $m = 1.1 \text{ kg}$

1 pce.

0.0.642.74

## Alphabetical Register

### B

Bottle Holder 8	11
Bottle Holder 8 Insert	11

### C

Cap, Profile Tube D30 heavy duty	14
Cap, Tube KH D30	14
Cloth Holder 8	9
Cup Holder 8	11

### D

Drilling Jig 8 40, Groove Opening	25
Drilling Jig 8 80, Groove Opening	25
Drilling Jig 8 80, Standard Fastener 8	25

### H

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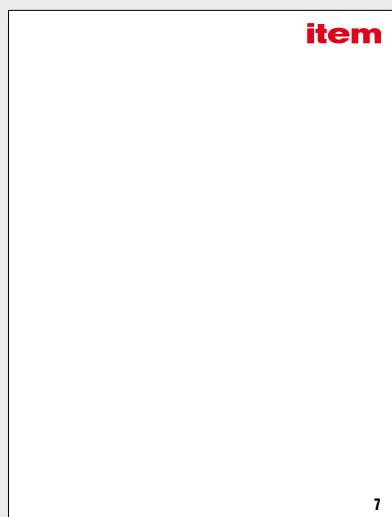
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## Other item product catalogues

### Comprehensive Catalogue Line D30 MB Building Kit System



Line D30 – simple, flexible and efficient.  
New Products Autumn 2010

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### Work bench systems catalogue



The ergonomic work bench system.  
Comprehensive Catalogue

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