

**item**



**Systematic innovation.**

New Products 2017/ II



## Experience innovation – new item products for 2017/ II.

### 4 MB Building Kit System

Faster opening! The new, lightweight **Latch** offers a secure and convenient means of opening and closing doors. The Latch audibly clicks into the frame housing during closing, while the integral grip makes it easier to open.

Faster closing! The new **Cover Profile 8 K/Al** cleanly covers over a groove in a matter of seconds. The plastic strip can be quickly cut to size and is very easy to insert into place.

Faster stacking! When stacking boxes, pallets or trolleys, **Stacking Guide 8 St 80x80-30°** from item makes sure everything slots neatly into place. Positioning errors are evened out.

### 18 Work Bench System

More choice! The new **Groove Plate Profile** combines the advantages of a panel element and a profile in one. It packs in a total of 19 Line 8 system grooves, giving you maximum freedom for arranging holders and accessories.

More speed! The new **holder components** in the item Hook and Holder System couldn't be easier, or faster, to fit. Simply place them in the groove, turn them 90° and that's it! They are ideal for organising and rearranging any work bench in next to no time.

More individuality! item **table tops** can now be ordered in any size you need. Three materials are available. You determine the dimensions, with everything from 300x300 mm to 2770x2040 mm possible. We can deliver custom panels with a top-quality finish.



## 27 Lean Production Building Kit System

New flexibility! The new **LCA components** are the perfect parts for Karakuri/low-cost automation applications. You'll find everything you need to guide cables, tighten springs and operate movable flaps, lifts and carriages.

New shape! The new **Profile Tube D30-45° heavy duty** features twice as many grooves as a standard Profile Tube. As a result, you can install both 90° connections and 45° struts without needing any special fasteners, and even combine the two in one intersection point.

New guidance! The new **Guide Rail z AI** is a torsion-resistant railing that can be positioned anywhere and mounted directly to the frame. It can also be installed between two parallel roller conveyors and used to form a simple chute.

## 50 Automation System

Really simple! **item linear motion units®** are revolutionising the way that automation solutions are planned, assembled and commissioned. The intelligent design software **item MotionDesigner®** checks thousands of combinations to configure a custom turnkey system comprising Linear Unit, Motor and Controller to fit your specific needs. Your **item linear motion unit®** is supplied ready for installation.

Really thorough! As an online tool, **item MotionDesigner®** is always up to date and automatically takes into account all the components needed for your transport task. To assist with further planning, **MotionDesigner®** also generates a custom CAD model for your **item linear motion unit®** that you can also use in engineering processes.



## Factory equipment engineering – with the MB Building Kit System.

Cover Profile 8 K/Al

Latches

Caps 8 Zn

Universal-Fastening Sets

Hinge 8 40 Zn

Expansion Insert M5x8

Foot Clamps

Pneumatic Connecting Plate 8 80x40 G3/8

Stacking Guide 8 St 80x80-30°

Consider the matter closed.



Plastic groove cover

Simply cut to size and clip into place

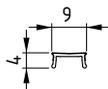
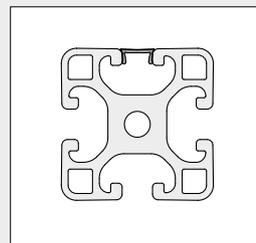
For clean, closed surfaces



### Cover Profile 8 K/Al

Keeping it clean! Cover Profile 8 K/Al seals a Line 8 groove on a profile to keep dirt and dust out and produce an easy-to-clean surface. The plastic strip can be quickly cut to size using item Multi-Purpose Pliers and is very easy to insert into place.

An aluminium finish foil gives Cover Profile 8 K/Al the look of an aluminium profile.



Cover Profile 8 K/Al

PP  
m = 15.5 g/m

white aluminium, similar to RAL 9006, 1 pce., length 2000 mm



0.0.672.02

Keep it shut.

Grip and catch in one

Convenient closure for doors



## Latches

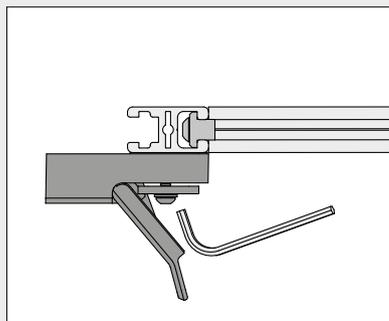
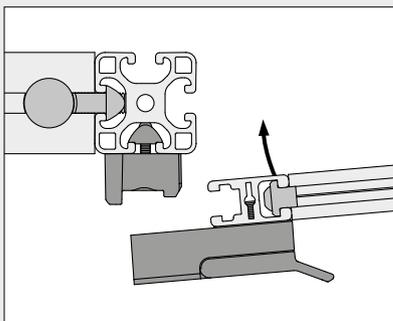
Ideal securing for doors and hatches! The item Latch holds doors securely shut and features an integrated grip that makes them easy to open and close.

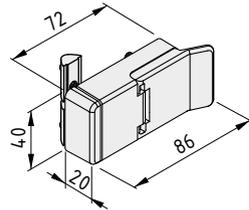
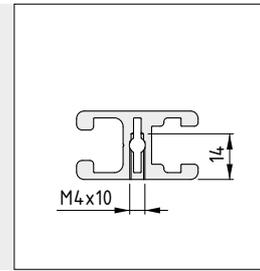
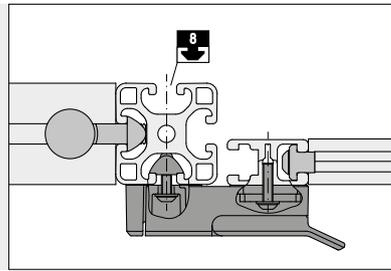
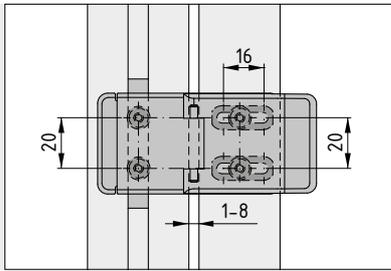
The Latch comprises two parts: The compact frame part is secured in a Line 8 groove on the frame. Meanwhile, the door part with the grip is located on the moving element and audibly clicks into the frame part when closed. This gives users audible feedback, telling them that the door is shut.

It takes little force to release the spring-mounted catch mechanism and open the door. The ergonomically shaped Latch is light and fits in perfectly with the overall design of a structure thanks to its light grey colouring.

As doors and hatches can be built using different types of profiles, variants are available for Line 8 and 6 profiles and for Clamp Profile 8 32x18.

**Note:** item also supplies key-operated Door Locks where access needs to be secured.





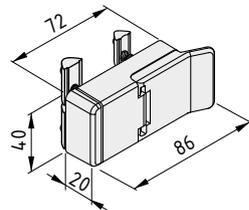
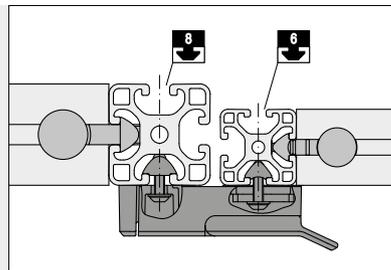
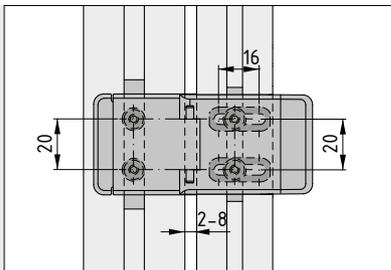
**Latch Clamp Profile 8 32x18 for Profile 8**



Casing, PA-GF, grey  
 2 T-Slot Nuts V 8 St M4, bright zinc-plated  
 2 clamping elements, St, bright zinc-plated  
 4 Button-Head Screws ISO 7380-M4x16, St, bright zinc-plated  
 4 washers DIN 125-4.3, St, bright zinc-plated  
 m = 86.0 g

1 set

0.0.686.10



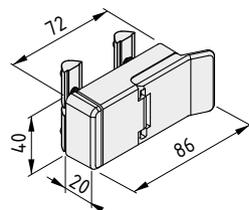
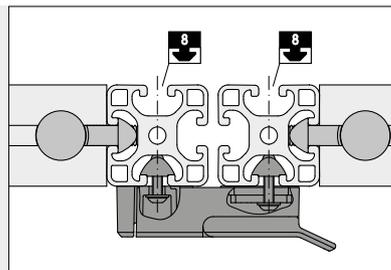
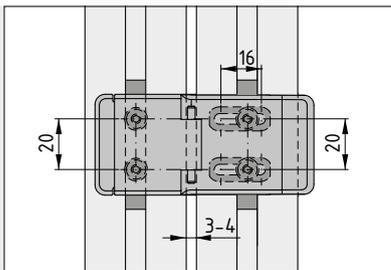
**Latch 6 for Profile 8**



Casing, PA-GF, grey  
 2 T-Slot Nuts V 8 St M4, bright zinc-plated  
 2 T-Slot Nuts 6 St M4, bright zinc-plated  
 2 clamping elements, St, bright zinc-plated  
 4 Button-Head Screws ISO 7380-M4x16, St, bright zinc-plated  
 4 washers DIN 125-4.3, St, bright zinc-plated  
 m = 97.0 g

1 set

0.0.686.12



**Latch 8 for Profile 8**



Casing, PA-GF, grey  
 4 T-Slot Nuts V 8 St M4, bright zinc-plated  
 2 clamping elements, St, bright zinc-plated  
 4 Button-Head Screws ISO 7380-M4x16, St, bright zinc-plated  
 4 washers DIN 125-4.3, St, bright zinc-plated  
 m = 108.0 g

1 set

0.0.686.11

Robust.

Hard-wearing metal Caps

Screw fixing ensures a strong hold

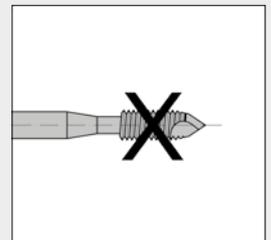
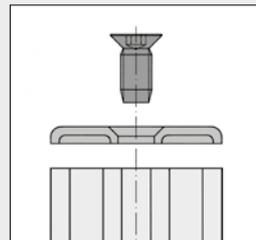


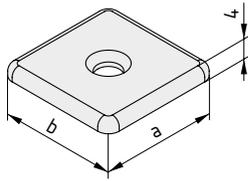
### Caps 8 Zn

They hold in all orientations! Caps 8 made from zinc are screwed into the core bores at the end face. They are particularly resistant to mechanical loading and changes in temperature. They can be unscrewed and screwed back on any number of times.

They must be secured into the core bores of the profiles using countersunk screws 8 SF M7.1. No threads need to be tapped to do this.

**Note:** Caps 8 Zn are available in white aluminium and black (0.0.427.09, 0.0.427.11, 0.0.427.13).





**Cap 8 40x40 Zn**



Die-cast zinc  
a = 40 mm    b = 40 mm    m = 27.0 g

white aluminium, similar to RAL 9006, 1 pce. 0.0.607.06

**Cap 8 80x40 Zn**



Die-cast zinc  
a = 80 mm    b = 40 mm    m = 49.0 g

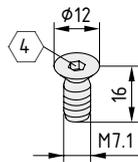
white aluminium, similar to RAL 9006, 1 pce. 0.0.679.72

**Cap 8 80x80 Zn**



Die-cast zinc  
a = 80 mm    b = 80 mm    m = 98.0 g

white aluminium, similar to RAL 9006, 1 pce. 0.0.679.73



**Countersunk Screw 8 SF M7.1**



St  
Slide coating  
Head shape to DIN 7991 (M6)  
m = 5.0 g

bright zinc-plated, 1 pce. 0.0.643.42

Double the hold.

Double T-Slot Nut speeds up alignment

Friction-based connection



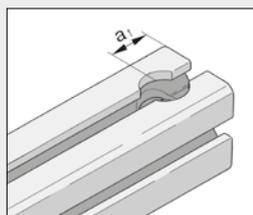
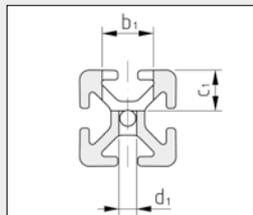
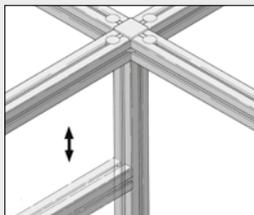
### Universal-Fastening Sets with a Double T-Slot Nut

The fastest fixing by far! This Universal-Fastening Set comprises two Universal Fasteners and one practical double T-Slot Nut. That means you can position and secure a profile with the greatest of ease.

item Universal-Fastening Sets generate a friction-based connection between two profiles. It is advisable to always use these fasteners and their T-Slot Nuts in pairs. Thanks to the double T-Slot Nut, components can be positioned in one easy step. The second fastener can be tightened straight away.

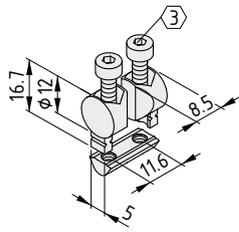
Universal-Fastening Sets with double T-Slot Nuts are available for Line 5, 6 and 8 profiles. Universal-Fastening Set 8 80 and Universal-Fastening Set 6 60 are used to fasten double-height profiles.

The Universal Fasteners for Lines 5 and 6 profiles have an anti-torsion feature that can be removed at a specified break point if necessary.



Universal-Fastening Set

	5	6	8
$a_1$	10.0 mm	15.0 mm	20.0 mm
$b_1$	∅ 12.0 mm	∅ 16.0 mm	∅ 20.0 mm
$c_1$	8.5 mm	12.7 mm	16.0 mm
$d_1$	∅ 4.3 mm	∅ 5.5 mm	∅ 7.0 mm



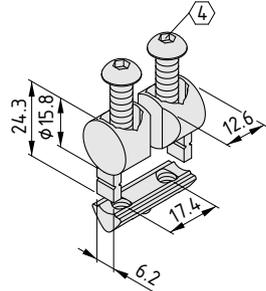
**Universal-Fastening Set 5 20**



2 Universal Fasteners 5, die-cast zinc  
 2 Hexagon Socket Head Cap Screws DIN 912-M4x14, St  
 1 T-Slot Nut V 5 St 2xM4-18  
 m = 13.0 g

bright zinc-plated, 1 set

0.0.686.83



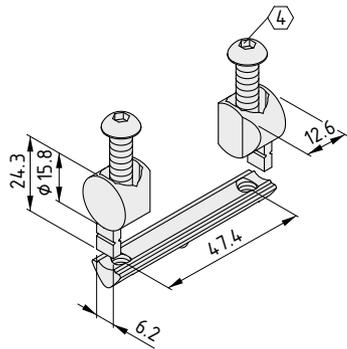
**Universal-Fastening Set 6 30**



2 Universal Fasteners 6, die-cast zinc  
 2 Button-Head Screws ISO 7380-M6x22, St  
 1 T-Slot Nut V 6 St 2xM6-28  
 m = 38.0 g

bright zinc-plated, 1 set

0.0.686.81



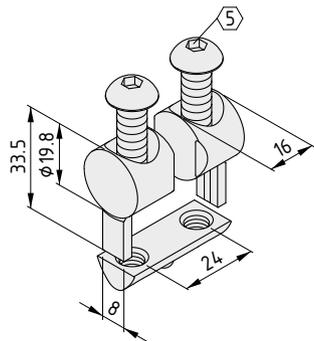
**Universal-Fastening Set 6 60**



2 Universal Fasteners 6, die-cast zinc  
 2 Button-Head Screws ISO 7380-M6x22, St  
 1 T-Slot Nut V 6 St 2xM6-58  
 m = 48.0 g

bright zinc-plated, 1 set

0.0.686.82



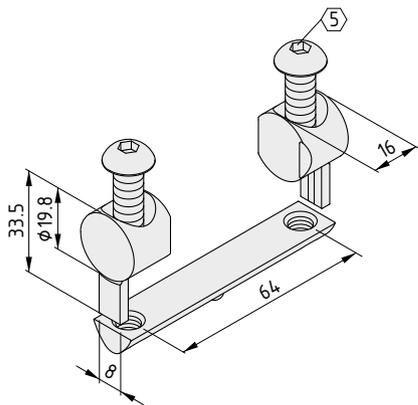
**Universal-Fastening Set 8 40**



2 Universal Fasteners 8, die-cast zinc  
 2 Button-Head Screws ISO 7380-M8x30, St  
 1 T-Slot Nut 8 St 2xM8-36  
 m = 80.0 g

bright zinc-plated, 1 set

0.0.686.79



**Universal-Fastening Set 8 80**



2 Universal Fasteners 8, die-cast zinc  
 2 Button-Head Screws ISO 7380-M8x30, St  
 1 T-Slot Nut 8 St 2xM8-76  
 m = 100.0 g

bright zinc-plated, 1 set

0.0.686.80

Heavy duty.

For heavy-duty doors and hatches

Robust metal hinge

Colour matches profiles

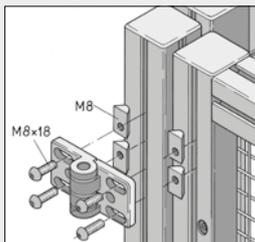


### Hinge 8 40 Zn

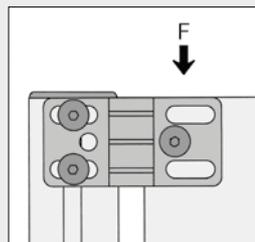
Holds heavy doors, too! Hinge 8 40 Zn in white aluminium is designed for high loads. It holds large doors on machines, guards and enclosures securely in place for the long term.

The white aluminium design blends perfectly into the overall look of machinery. Hinge 8 40 Zn is also available in black (0.0.196.36).

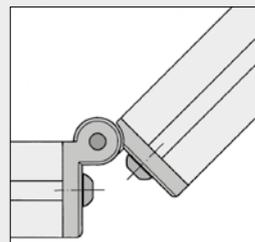
Hinges Zn connect together profiles at any angle up to 180°. They can be used on the left or right and can be attached to the outer surfaces or end faces of profiles.



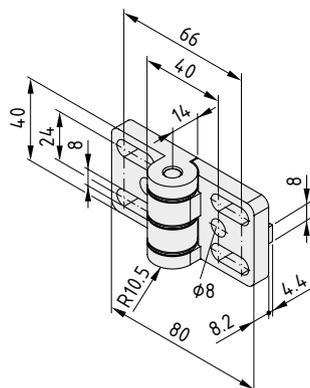
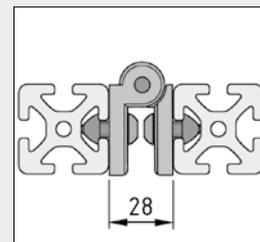
Attaching Hinge 8 40 Zn to the profile grooves of Line 8.



$F = 750 \text{ N}$



Hinge 8 40 Zn can be screw-connected to the end face or to the profile groove.



#### Hinge 8 40 Zn

Hinge halves, die-cast zinc  
m = 181.0 g

white aluminium, similar to RAL 9006, 1 pce.

0.0.630.94



Holding it all in.



Strong hold for panel elements

Thread with expanding metal housing

### Expansion Insert M5x8

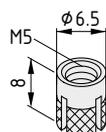
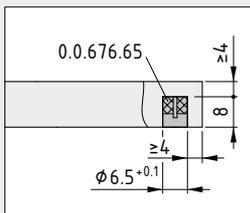
Secure panels the professional way! Expansion Insert M5x8 installs a durable metal thread in wood and plastic panel elements.

Thanks to this thread, screw connections can be repeatedly reused on panel elements, too. Unlike self-tapping screws, no additional material is removed from the panel. The connection remains stable for the long term.

**Note:** Please note material thickness requirements when drilling the hole. You can order item panel elements with the necessary pre-drilled blind holes so that the rear surface is not damaged.



Inside Expansion Insert M5x8 is a special spreader plate. When installing the Insert in a predrilled hole, a number 3 pin punch can be used to force this plate down, thereby firmly anchoring the serrated edge in the workpiece.



Expansion Insert M5x8

CuZn  
m = 1.0 g  
1 pce.

0.0.676.65

Firmly rooted.

Stable floor fastening

Can be retrofitted

Compatible with item Adjustable Feet

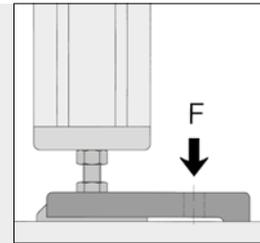


## Foot Clamps

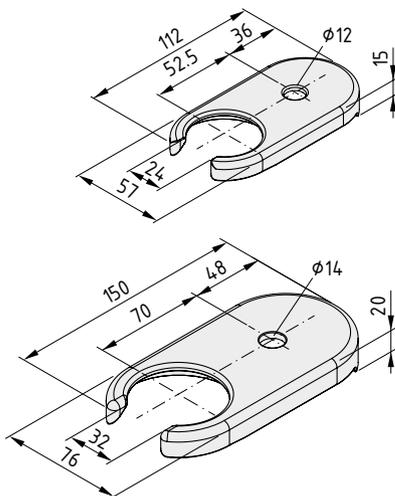
No tipping, no slipping! item Foot Clamps anchor racks, factory equipment and machines securely to the floor. The fixings can be retrofitted and removed without requiring any modifications to the profile construction.

Foot Clamps encompass metal item Adjustable Feet (in diameters D60 and D80) and can be screwed into the floor surface using the relevant item Floor-Fastening Set. They can be aligned to suit requirements. The height adjustment function of the Adjustable Feet is not affected.

Foot Clamp D60 and Foot Clamp D80 are available in white aluminium (similar to RAL 9006) and black (0.0.439.37, 0.0.265.30).



The permissible load for the Foot Clamps at the fastening point is  $F_{perm.} = 5,000 \text{ N}$ .



### Foot Clamp D60

Die-cast zinc  
m = 222.0 g

white aluminium, similar to RAL 9006, 1 pce.

0.0.660.83

### Foot Clamp D80

Die-cast zinc  
m = 475.0 g

white aluminium, similar to RAL 9006, 1 pce.

0.0.660.84

Performance under pressure.

Easy to attach

G3/8 connection

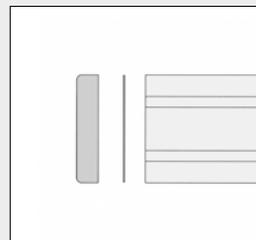


### Pneumatic Connecting Plate 8 80x40 G3/8

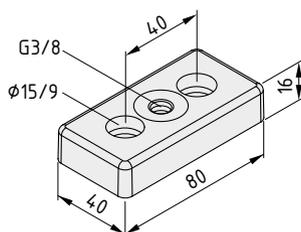
Air-tight, rapid and practical! Pneumatic Connecting Plate 8 80x40 G3/8 is screwed onto the end face of a Profile 8 80x40 so that the profile can be used as a compressed air conduit. The compressed air coupling is screwed into the G3/8 thread.

The Pneumatic Connecting Plate is installed in the core bores of the profile using Hexagon Socket Head Cap Screws DIN 912-M8x20 (8.0.004.41).

**Note:** Pneumatic Connecting Plate 8 80x40 G3/8 is used with Seal 8 80x40 PE (0.0.420.80). item offers numerous components for integrating complete compressed-air solutions into profile constructions, such as Pneumatic Universal-Fastening Sets for leak-tight and robust profile connections. item Pneumatic Connecting Plates are also available with a G1/2 connection (0.0.406.34, 0.0.406.25).



Self-adhesive Seal 8 80x40 PE (0.0.420.80) must be fitted between the profile and Pneumatic Connecting Plate 8 80x40 G3/8.



#### Pneumatic Connecting Plate 8 80x40 G3/8

Die-cast zinc  
m = 248.0 g  
black, 1 pce.



0.0.678.23



Autocorrect.

Creates stacking constructions

Evens out positioning errors



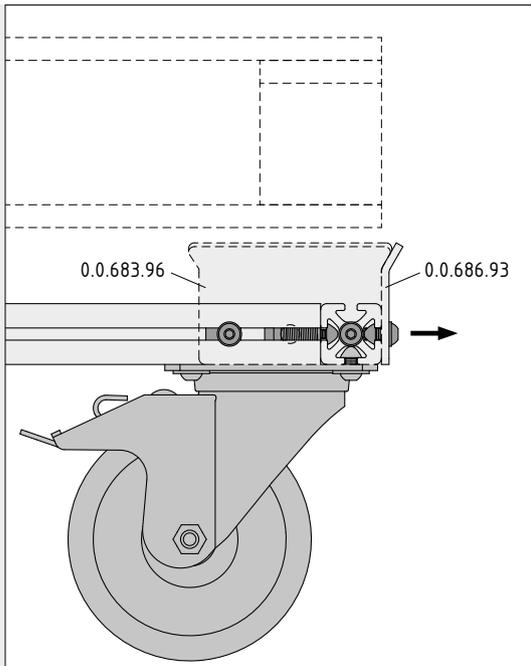
### Stacking Guide 8 St 80x80-30°

Setting down made easy! The item Stacking Guide 8 St 80x80-30° makes light work of stacking boxes, pallets and trolleys. The robust centring aid ensures that objects and factory equipment slot into the desired position when set down, and stay there. Two Stacking Guides are fitted to each corner.

Stacking Guide 8 St 80x80-30° complements the longer Stacking Guide 8 St 120x80-30° (0.0.683.96). Both models can also be used together. Since europallets use rectangular timbers at their bases, for instance, the Stacking Guides should be a different length at the corners. This provides the ideal hold while ensuring pallet trucks have unrestricted access.

item Stacking Guides are bent to a 30° angle and even out positioning errors as objects are set down. They only marginally increase the width of the frame and ensure loads are distributed over several points on the frame.



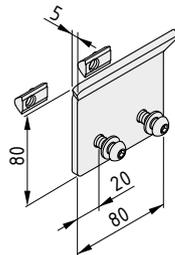


When using item Stacking Guides on transport trolleys and similar, the frame structure should be designed so that fixings are subject to tensile loads when in motion.

Stacking Guides are fastened to Profiles 8 40x40 via the two outer bores. In the arrangement shown here, an M8 thread is cut into the core bore on the right.

Standard, Universal and Automatic Fasteners can be used.

When using with europallets, the corners of the frame should be fitted with Stacking Guide 8 St 80x80-30° (0.0.686.93) while the longer Stacking Guide 8 St 120x80-30° (0.0.683.96) should be fitted to the longer side.



**Stacking Guide 8 St 80x80-30°**



- Sheet material, St, bright zinc-plated
- 2 Button-Head Screws ISO 7380-M8x18, St, bright zinc-plated
- 2 washers DIN 125-8.4, St, bright zinc-plated
- 2 T-Slot Nuts V 8 St M8, bright zinc-plated
- m = 297.0 g

1 set

0.0.686.93



## Ergonomic production – with the item Work Bench System.

Groove Plate Profile 8 400x14

Fastening Set, Groove Plate Profile 8

Cap, Groove Plate Profile 8 200x14

Bit Holder 8

Document Holder 8

Tool Grip 8

Magnetic Holder 8 Nd

Spanner Holder 8

Semi-Open Fronted Box Holder 8

Pen Holder 8

Label Profile 8 32 E

Table Top 25, plastic coated

Table Top 30, high pressure laminate

Table Top 30, high pressure laminate, ESD



Point of contact.

19 system grooves on one panel

Can be used on both sides

Perfect for keeping work benches organised



## Groove Plate Profile 8 400x14

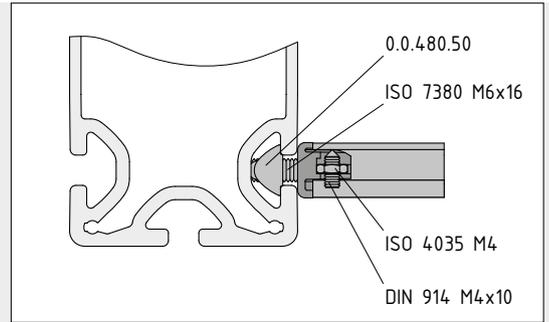
More space, more order and a better overview! The Groove Plate Profile from the item Toolpanel System is an efficient means of integrating several system grooves in one structure. Ten Line 8 grooves on the front and nine Line 8 grooves on the rear offer a great deal of space for organising work benches and workshop trolleys.

The Groove Plate Profile combines the benefits of a panel element with the advantages of a profile. With grooves covering the entire surface of the profile, materials and tools can be freely arranged as and when required. The easy-to-install elements of the item Hook and Holder System mean users can arrange their workspace flexibly to suit their needs.

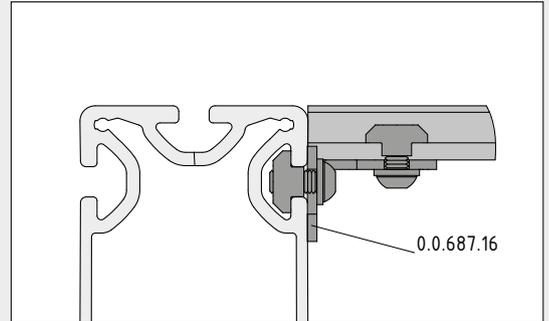
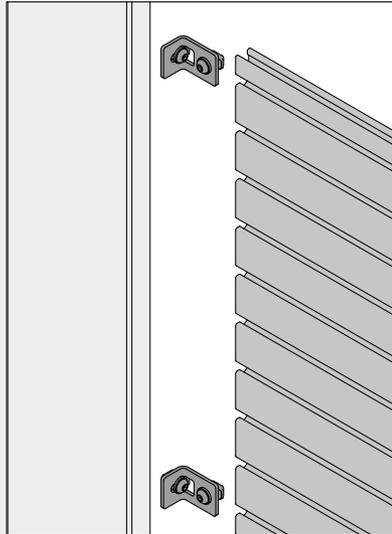
The Groove Plate Profile is 400 mm high and can be supplied in any width. Thanks to its low weight of just 5.2 kg per metre, it can be used with ease on transport trolleys. Open end faces are safely covered over with Caps, Groove Plate Profile 8 200x14. The Caps can also be used to secure the Groove Plate Profile tight and centrally within a load-bearing frame. Fastening Set, Groove Plate Profile 8 is used to install the Groove Plate Profile flush to the frame.

**Note:** The Groove Plate Profile is not to be viewed as a construction profile. Heavy accessories such as a PivotArm should always be mounted on a profile frame.

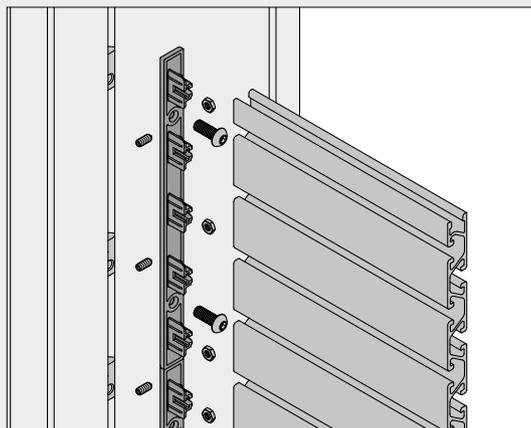
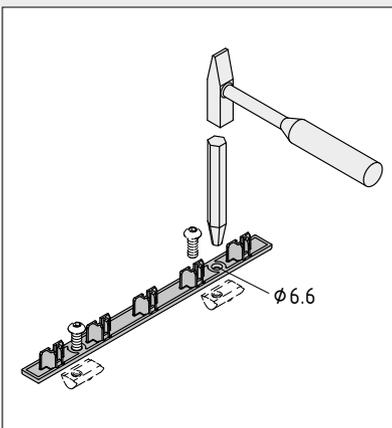
toolpanelsystem



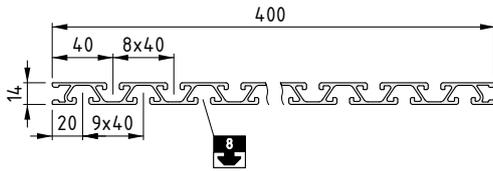
Cap, Groove Plate Profile 8 200x14 safely covers over exposed cut edges on the item Groove Plate Profile. The Cap can also be used to secure the Groove Plate Profile to a Line 8 groove on a profile frame using screw attachment. The Cap is available in grey and black.



Fastening Set, Groove Plate Profile 8 is used to mount the Groove Plate Profile flush to a frame.



When installing centrally between two columns, the Cap is used as a flange for screw attachments.

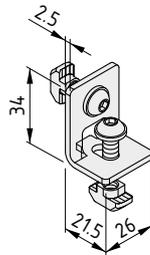


**Groove Plate Profile 8 400x14**



Al, anodized

A [cm <sup>2</sup> ]	m [kg/m]	I <sub>x</sub> [cm <sup>4</sup> ]	I <sub>y</sub> [cm <sup>4</sup> ]	I <sub>z</sub> [cm <sup>4</sup> ]	W <sub>x</sub> [cm <sup>3</sup> ]	W <sub>y</sub> [cm <sup>3</sup> ]
19.17	5.17	5.48	2,584.00	2,592.00	7.70	129.20
natural, cut-off max. 4000 mm						0.0.678.02
natural, 1 pce., length 4000 mm						0.0.678.01

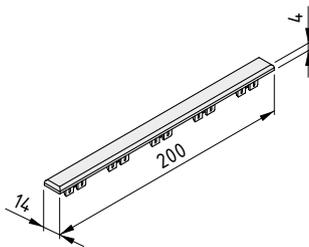


**Fastening Set, Groove Plate Profile 8**



Fastening bracket, Groove Plate Profile, St, bright zinc-plated  
 2 Button-Head Screws ISO 7380-M6x14, St, bright zinc-plated  
 2 washers DIN 125-6.4, St, bright zinc-plated  
 2 Hammerhead Nuts 8 M6, St, bright zinc-plated  
 m = 40.0 g

1 set	0.0.687.16
-------	------------



**Cap, Groove Plate Profile 8 200x14**



PA-GF

m = 14.0 g

black similar to RAL 9005, 1 pce.

grey similar to RAL 7042, 1 pce.

0.0.684.89

0.0.678.29

From January 2018

Everything in order.

Additions to the Hook and Holder System

Simply twist into place in a Line 8 groove

Wide selection of different tools



Semi-Open Fronted Box Holder 8

Spanner Holder 8

Tool Grip 8

Document Holder 8

Bit Holder 8

Magnetic Holder 8 Nd

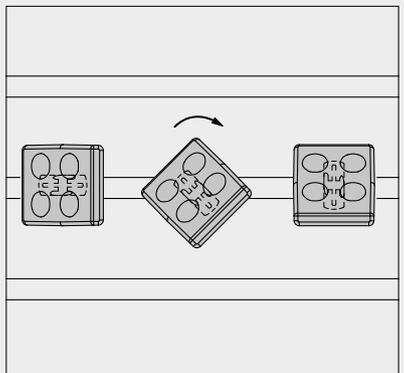
Pen Holder 8

Label Profile 8 32 E

They hold objects in seconds! The new holder components extend the item Hook and Holder System. Simply insert a holder in the desired point along a groove and twist it 90° to secure it in place - that's it ready for use! Removing and repositioning the holders is just as easy, too.

The holder components are optimised for different tools. Select the right model for spanners, screwdrivers, tool bits, documents, etc. - all of which are available in grey and black.

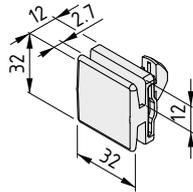
toolpanelsystem





### Semi-Open Fronted Box Holder 8

This two-sided holder for semi-open fronted boxes features two different mounting lips. Turning the holder 180° makes it compatible with boxes from different suppliers. Used in pairs, the holders can be spaced freely along the groove to accommodate boxes in different widths and can carry loads up to 5 kg.



### Semi-Open Fronted Box Holder 8



PA-GB  
m = 11.0 g

black similar to RAL 9005, 1 pce.

grey similar to RAL 7042, 1 pce.

From January 2018

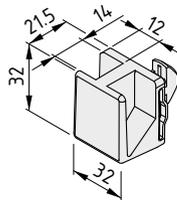
0.0.684.39

0.0.683.25



### Spanner Holder 8

Spanners come in different widths and can often be tricky to hang up. Two item Spanner Holders 8 spaced to suit the size of the spanner will hold the tool securely in place. And, if you want to hang up another spanner, all you need to do is add one more holder.



### Spanner Holder 8



PA-GB  
m = 13.0 g

black similar to RAL 9005, 1 pce.

grey similar to RAL 7042, 1 pce.

From January 2018

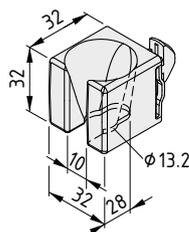
0.0.683.64

0.0.684.55



### Tool Grip 8

The item Tool Grip 8 holds screwdrivers and similar tools securely in place. Thanks to its conical interior and the opening at the front, tools can be removed with ease and stowed securely.



### Tool Grip 8



PA-GB  
m = 18.0 g

black similar to RAL 9005, 1 pce.

grey similar to RAL 7042, 1 pce.

From January 2018

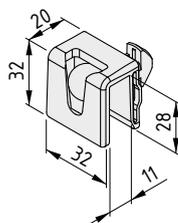
0.0.684.41

0.0.683.26



### Document Holder 8

This holder is ideal for keeping bills of materials, orders and other documents that need to be replaced frequently in easy sight. The document is simply pushed into place from underneath and can be taken out again with a gentle tug.



### Document Holder 8



PA-GB  
Ball D15, stainless steel  
m = 28.0 g

black similar to RAL 9005, 1 pce.

grey similar to RAL 7042, 1 pce.

From January 2018

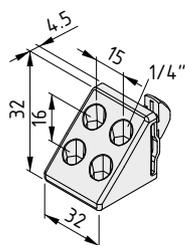
0.0.687.13

0.0.687.12



### Bit Holder 8

Say goodbye to fiddly bit sets! The plastic Bit Holder accommodates four standard bits, holding them securely and in clear view. The angled arrangement makes it easier to lay your hands on the bits you use most often.



### Bit Holder 8



PA-GB  
m = 13.0 g

black similar to RAL 9005, 1 pce.

grey similar to RAL 7042, 1 pce.

From January 2018

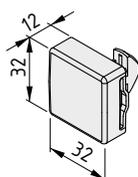
0.0.684.43

0.0.683.28



### Magnetic Holder 8 Nd

Just touch it on – the Magnetic Holder 8 Nd securely holds ferromagnetic objects such as screws and tools weighing up to 0.5 kg. The plastic outer surface ensures that tools and profiles are not scratched or damaged.



### Magnetic Holder 8 Nd



PA-GB  
Magnet, neodymium  
m = 30.0 g

black similar to RAL 9005, 1 set

grey similar to RAL 7042, 1 set

From January 2018

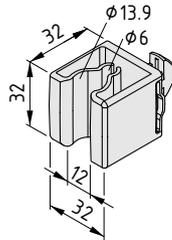
0.0.687.15

0.0.687.14



**Pen Holder 8**

Pens, board markers or pen-shaped tools (7 to 20 mm in diameter) can be clipped into place in this holder with the greatest of ease. The clamp closure has a special shape that can accommodate both thin and thick pens. It holds all pens securely but releases them when they are gently pulled out.



**Pen Holder 8**



PA-GB

m = 16.0 g

black similar to RAL 9005, 1 pce.

0.0.684.42

grey similar to RAL 7042, 1 pce.

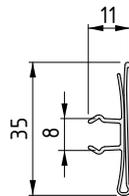
0.0.683.27

From January 2018



**Label Profile 8 32 E**

Thanks to this space-saving holder for labels, every tool can be put back exactly where it belongs in no time. The holder is secured in the groove without needing any tools and can be cut to size using the item Multi-Purpose Pliers. A Word template can be downloaded from the holder's product description page in the item Online Shop and used to create illustrated labels.



**Label Profile 8 32 E**



PVC

m = 194 g/m

grey/transparent, 1 pce., length 2000 mm

0.0.683.63

Made to measure.

Table tops in custom sizes

Three materials available

Up to 2770x2040 mm format



**Table Top 25, plastic coated**  
**Table Top 30, high pressure laminate**  
**Table Top 30, high pressure laminate, ESD**

Good work needs a good base! Item table tops are available in cut-offs in three different materials, ensuring they are always the perfect size. Besides the familiar standard formats, you can now also have a custom table top sized between 300x300 mm and 2770x2040 mm delivered to you. This provides the perfect opportunity to design custom table solutions.

The edges of the robust, professional-standard table tops are cleanly finished and covered with ABS edge strip to ensure dependable and durable quality. The following materials are available:

**Table Top 25, plastic coated:** This 25 mm thick table top is ideal for use in applications that do not involve significant mechanical loads.

**Table Top 30, high pressure laminate:** This 30 mm thick table top has a robust high-pressure laminate (HPL) coating that has been developed for industrial applications.

**Table Top 30, high pressure laminate, ESD:** This 30 mm thick table top is electrostatically volume-conductive for industrial applications that require ESD protection. The HPL coating can also withstand higher mechanical loads.

<b>Table Top 25 plastic coated</b>	
All edges covered with edge strip (ABS)	
m = 16.38 kg/m <sup>2</sup>	
grey, similar to RAL 7035, cut-off max. 2770x2040 mm	0.0.681.81
<b>Table Top 30, high pressure laminate</b>	
High impact resistance	
All edges covered with edge strip (ABS)	
m = 19.50 kg/m <sup>2</sup>	
grey, similar to RAL 7035, cut-off max. 2770x2040 mm	0.0.681.79
<b>Table Top 30, high pressure laminate, ESD</b>	
High impact resistance	
All edges covered with edge strip (ABS)	
ESD volume-conductive	
Volume resistance 1x10 <sup>4</sup> -1x10 <sup>9</sup> Ohm	
m = 19.50 kg/m <sup>2</sup>	
grey, similar to RAL 7035, cut-off max. 2770x2040 mm	0.0.681.80



## Build lean – with the Lean Production Building Kit System.

LCA components

Profile Tube D30-45° heavy duty

Profile Tube D30 and Tube D30

Ball Joint Transverse Fastener D30

Parallel Fastener D30-60

Fastener D30-45°, internal

Butt Fastener D30-90° R25, internal

Roller Conveyor St Fastening Brackets 40

Roller Conveyor 60, Fastening Bracket D30  
with Forward Stop H43

Panel-Fixing Strip D30 8-10mm

Guide Rail z Al

Back Stop D4-23 ESD



Pulling all the strings.

Parts and accessories for Karakuri applications

For synthetic fibre and steel cables

### LCA components

Time to get your applications moving – and this is how! Karakuri/low-cost automation uses a combination of gravity, leverage and muscle power. The item LCA components give you the equipment you need to guide counterweights and carriages smoothly along a profile frame.





Depending on the application in question, Synthetic Fibre Cable D3 or Steel Cable D3 sheathed is ideal for mechanically linking the actuation and triggering of a Karakuri solution. Cable End Link D12-34 enables you to extend and connect cables and accessories.

Steel cables can be connected using Wire Cable Clamp D3 M4x10, which can be released to allow fine adjustment.

Ring Bolt D10 M6x45, meanwhile, is used to make a connection to constructions such as carriages and counterweights. It is simply screwed into a Multiblock D30 or the end face of a Profile D30. The ring offers a stable connection point for both steel and synthetic fibre cables.



Thimble D12/D3 is used to create slings that won't become kinked or wear through. Ferrule D3-11 presses and holds the ends of the steel cables in these slings tightly together.

The tool needed to fit these Ferrules is also available – Ferrule Crimper D3.



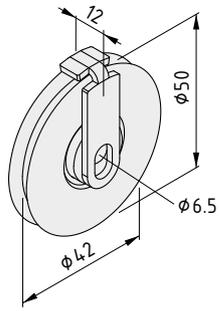
Cables often need to be redirected to create compact and efficient constructions. The Cable Pulley Wheel D42/D6-12 offers simple and secure guidance for cables. This high-quality, ball-bearing pulley can be screwed directly to the profile with or without Spacer Bushings. The bracket plate included in the scope of supply stops the cable from springing out of the pulley.



item offers Spacer Bushing D17/D6-5 and Spacer Bushing D17/D8-15 for evening out the heights of different components. The Spacer Bushings are designed to ensure there is a big enough gap between the profiles and LCA components in a construction, so that cables run with perfect precision. Several Bushings can be installed one on top of the other when larger gaps need to be created.



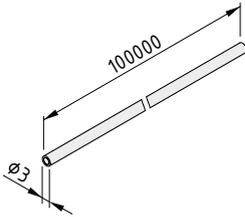
Extension Spring 1.25x12.7x121 can be used to store the force needed to automatically reset levers and locks.



#### Cable Pulley Wheel D42/D6-12

Roller D42/D6-10, PA  
Bracket plate R25/D6-8.5  
m = 37.0 g

1 set	0.0.682.16
-------	------------

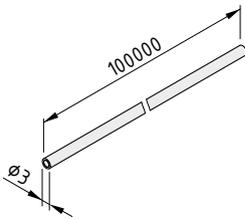


#### Synthetic Fibre Cable D3

PES  
m = 2 g/m

grey similar to RAL 7042, 1 roll length 100 m	0.0.682.01
---	------------

grey similar to RAL 7042, cut-off max. 100m	0.0.682.47
---	------------

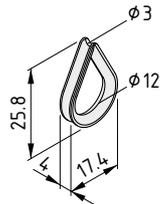


#### Steel Cable D3 sheathed

St, bright zinc-plated  
m = 20 g/m

grey similar to RAL 7042, 1 roll length 100 m	0.0.675.05
---	------------

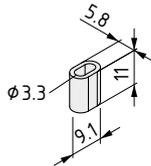
grey similar to RAL 7042, cut-off max. 100m	0.0.682.46
---	------------



#### Thimble D12/D3

St, bright zinc-plated  
m = 6.0 g

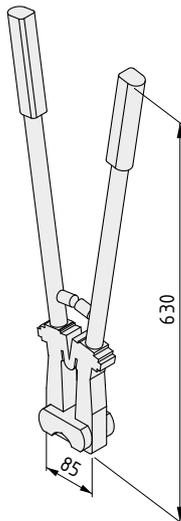
1 pce.	0.0.675.04
--------	------------



#### Ferrule D3-11

Al, untreated  
m = 8.0 g

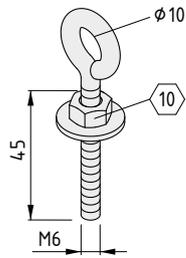
1 pce.	0.0.682.18
--------	------------



#### Ferrule Crimper D3

St  
m = 3.2 kg

1 pce.	0.0.683.33
--------	------------

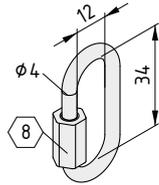


**Ring Bolt D10 M6x45**

St, bright zinc-plated  
m = 21.0 g

1 set

0.0.687.17

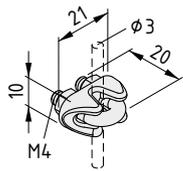


**Cable End Link D12-34**

St, bright zinc-plated  
m = 12.0 g

1 pce.

0.0.686.02

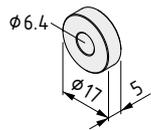


**Wire Cable Clamp D3 M4x10**

St, bright zinc-plated  
m = 9.0 g

1 pce.

0.0.687.68

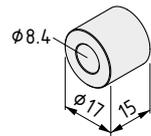


**Spacer Bushing D17/D6-5**

St, bright zinc-plated  
m = 8.0 g

1 pce.

0.0.685.67

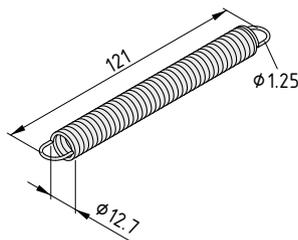


**Spacer Bushing D17/D8-15**

St, bright zinc-plated  
m = 20.0 g

1 pce.

0.0.685.65



**Extension spring 1.25x12.7x121**

Similar to DIN 2097  
Spring rate R = 0.172 N/mm  
St, stainless  
m = 29.0 g

1 pce.

0.0.660.45

Lateral thinking.

First Profile Tube with eight grooves

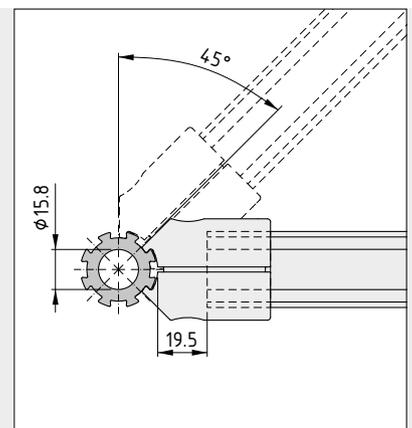
Supports 45° and 90° connections

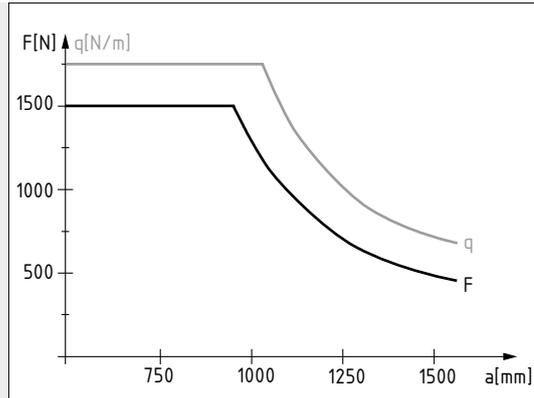
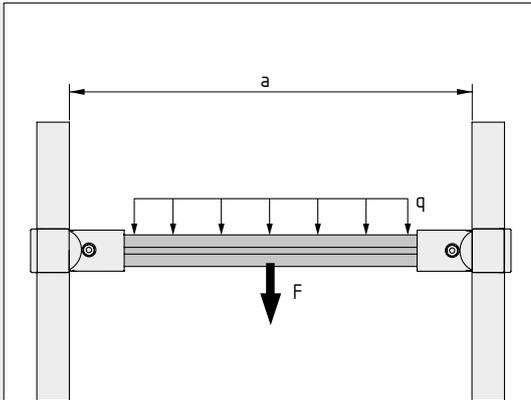
For high loads

### Profile Tube D30-45° heavy duty

The Profile Tube for more angles! Thanks to a total of eight grooves, Profile Tube D30-45° heavy duty offers outstanding versatility. It allows users to attach struts at an angle of 45° without requiring special fasteners. In fact, a 90° and 45° connection can be combined at the same intersection point.

The special geometry of the profile ensures maximum freedom and a high bending strength. Thanks to its thick walls, Profile Tube D30-45° heavy duty is also suitable for accommodating higher loads. For example, it can be used to create supporting struts in transport trolleys and Karakuri solutions to ensure wide-ranging design freedom for a variety of requirements.





Permissible loads for profile designs



#### Profile Tube D30-45° heavy duty

Al, anodized

A [cm <sup>2</sup> ]	m [kg/m]	I <sub>x</sub> [cm <sup>4</sup> ]	I <sub>y</sub> [cm <sup>4</sup> ]	I <sub>z</sub> [cm <sup>4</sup> ]	W <sub>x</sub> [cm <sup>3</sup> ]	W <sub>y</sub> [cm <sup>3</sup> ]
3.83	1.03	2.46	2.46	3.58	1.69	1.69
natural, cut-off max. 6000 mm						0.0.683.34
natural, 1 pce., length 6000 mm						0.0.683.04



### Profile Tube D30 Tube D30

The perfect length for your warehouse! Profile Tube D30 and Tube D30 can be ordered in three standard lengths – 6000 mm, 3000 mm and now 4000 mm, too. The shorter dimensions are ideal for internal goods supply to the CIP workshop, particularly when a lift has to be used. Alternatively, you can simply order custom cut-offs that have been sawn to size with millimetre precision.



#### Profile Tube D30

Al, anodized

A [cm <sup>2</sup> ]	m [kg/m]	I <sub>x</sub> [cm <sup>4</sup> ]	I <sub>y</sub> [cm <sup>4</sup> ]	I <sub>z</sub> [cm <sup>4</sup> ]	W <sub>x</sub> [cm <sup>3</sup> ]	W <sub>y</sub> [cm <sup>3</sup> ]
1.97	0.53	1.71	1.71	2.44	1.14	1.14
natural, 1 pce., length 4000 mm						0.0.684.90



#### Tube D30

Al, anodized

A [cm <sup>2</sup> ]	m [kg/m]	I <sub>x</sub> [cm <sup>4</sup> ]	I <sub>y</sub> [cm <sup>4</sup> ]	I <sub>z</sub> [cm <sup>4</sup> ]	W <sub>x</sub> [cm <sup>3</sup> ]	W <sub>y</sub> [cm <sup>3</sup> ]
1.26	0.34	1.29	1.29	2.44	0.86	0.86
natural, 1 pce., length 4000 mm						0.0.685.05



Freestyle.

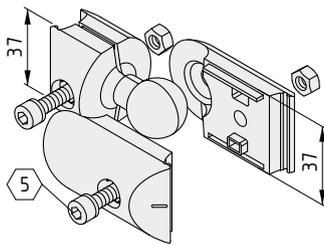
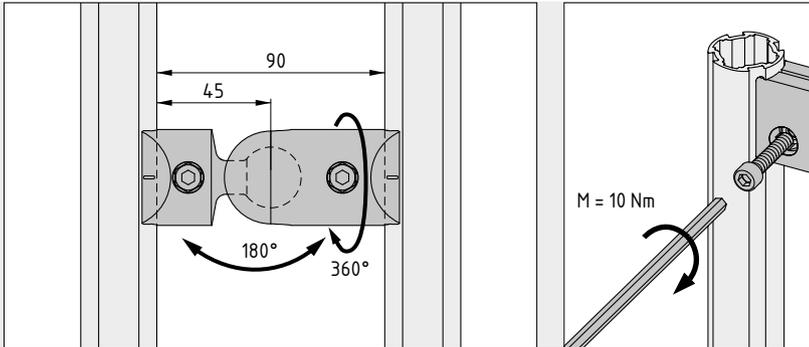
Freely position Profile Tubes D30

For crossing connections

### Ball Joint Transverse Fastener D30

More freedom for your ideas! Ball Joint Transverse Fastener D30 allows you to position Profile Tubes D30 at any angle. It provides a stable connection between crossing struts, such as those used to reinforce a frame. Crossing connections like these can be retrofitted extremely easily.

**Note:** Transverse Fastener D30 (0.0.637.90) is available for connecting struts that cross each other at a 90° angle.



### Ball Joint Transverse Fastener D30

Preassembled  
 2 ball joint fastener halves, die-cast Al, natural  
 2 ball joint transverse fastener halves, ball socket, die-cast Al, natural  
 2 Hexagon Socket Head Cap Screws DIN 912 M6x29.4, St, bright zinc-plated  
 2 hexagon nuts DIN 934-M6, St, bright zinc-plated  
 m = 213.0 g

1 pce.

0.0.683.69

Reinforcer.

For rigid constructions

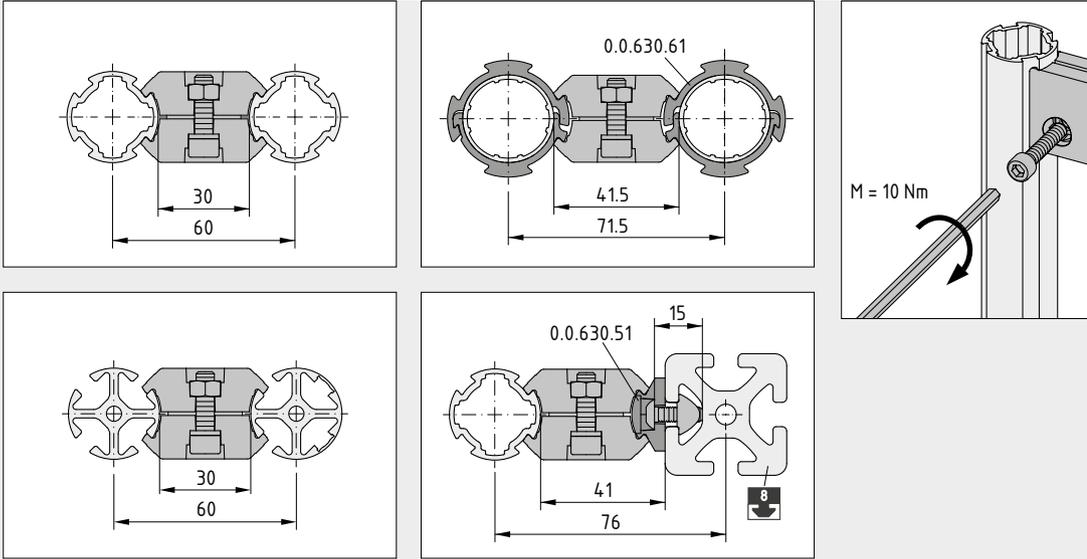
Supplied preassembled

### Parallel Fastener D30-60

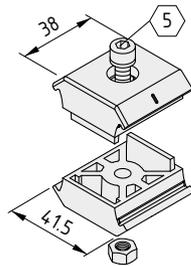
Bigger and faster! Parallel Fastener D30-60 is the basis for especially rigid structures. It connects two parallel Profile Tubes D30 to form one strong unit.

Parallel Fastener D30-60 is supplied preassembled and is ready for immediate use. Simply fit in place and tighten! Creating a 30 mm spacing between the profiles, it provides the perfect match to Double Profile Tube D30-60.

The screw connection of the fastener can be covered over with Cap D30 F.



Parallel Fastener D30-60 connects together Profile Tubes D30, Tubes D30 (with Tube Adapter D30), Profiles 6 D30, Profile Tubes D30 and Profiles 8 (with Adapter 8 D30).



**Parallel Fastener D30-60**

Preassembled  
 2 Parallel Fastener halves, die-cast Al, natural  
 Hexagon Socket Head Cap Screw M6x21, St, bright zinc-plated  
 Hexagon nut DIN 934-M6-5, St, bright zinc-plated  
 m = 76.0 g

1 pce.

0.0.682.21



Cross connection.

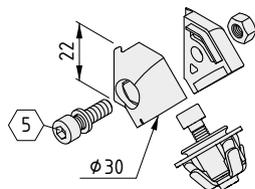
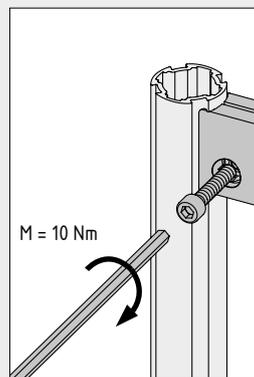
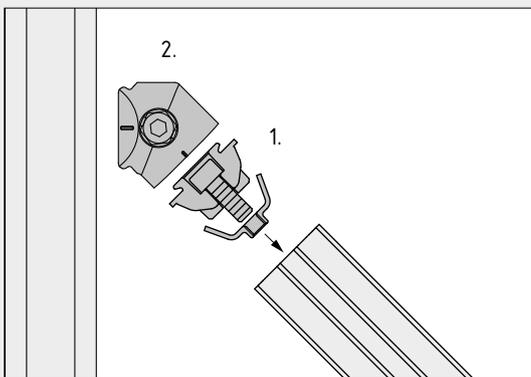
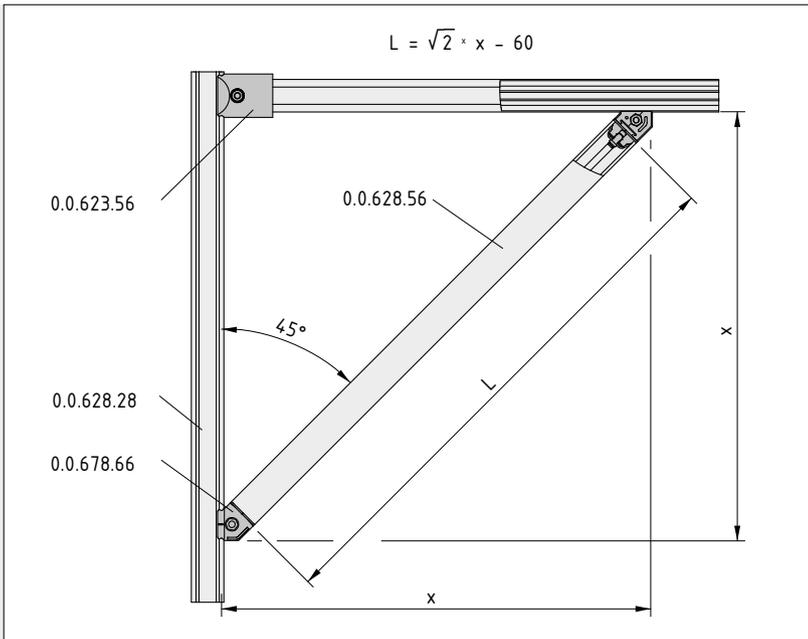
Smooth transition, thanks to internal clamping technology

Can be retrofitted

### Fastener D30-45°, internal

For smooth and elegant diagonals! Fastener D30-45°, internal uses internal clamping technology from item to create a smooth transition between fastener and Profile Tube. On the one hand, it looks great. On the other hand, it also makes the fastener ideal for retrofitting into the tightest of spaces. This means additional struts can be rapidly built into constructions to provide extra reinforcement.

**Note:** For diagonal struts that need to accommodate high loads, item offers Fastener D30-45° (0.0.637.87), which uses external clamping technology.

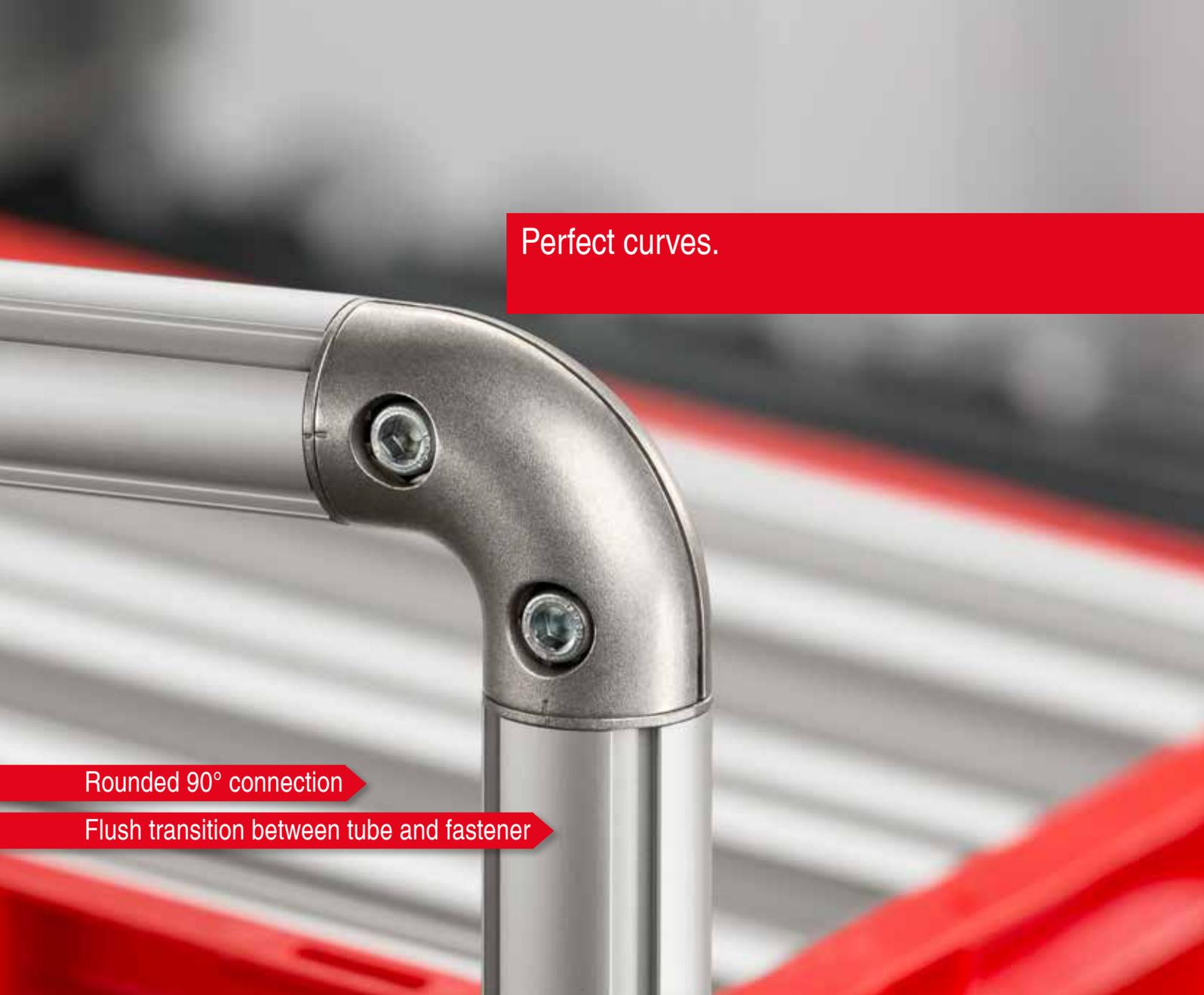


**Fastener D30-45°, internal**

Partially preassembled  
 2 fastener halves, die-cast Al, natural  
 Internal Fastener D30 tube insert  
 Hexagon Socket Head Cap Screw M6x20, St, bright zinc-plated  
 Hexagon nut DIN 934-M6-5, St, bright zinc-plated  
 m = 58.0 g

1 set

0.0.678.66



Perfect curves.

Rounded 90° connection

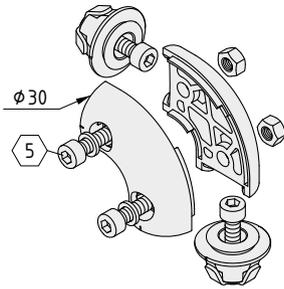
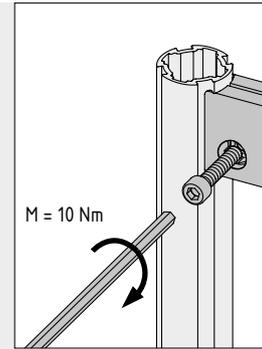
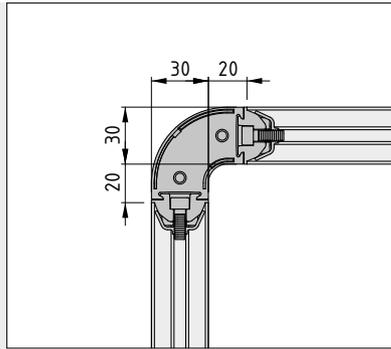
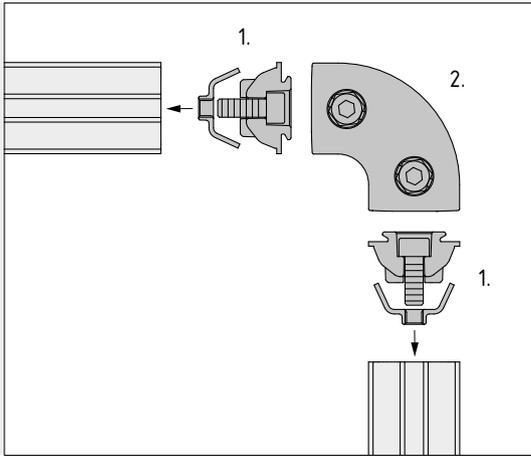
Flush transition between tube and fastener

### Butt Fastener D30-90° R25, internal

Do you want corners with smooth curves? Butt Fastener D30-90° R25, internal makes it possible by connecting Profile Tubes at a 90° angle with a gentle curve. Internal clamping technology ensures a smooth transition between fastener and Profile Tube to produce a harmonious outer corner.

Due to their design, internal fasteners are suitable for lighter loads.

**Note:** item offers two different Fasteners D30-90° R25. There is no need to adjust the length of Profiles D30 depending on which variant (i.e. fastening technology) is being used. As a result, you can substitute a Butt Fastener D30-90° R25 (0.0.662.12) for a Butt Fastener D30-90° R25, internal without having to make any alterations to Profile Tubes.

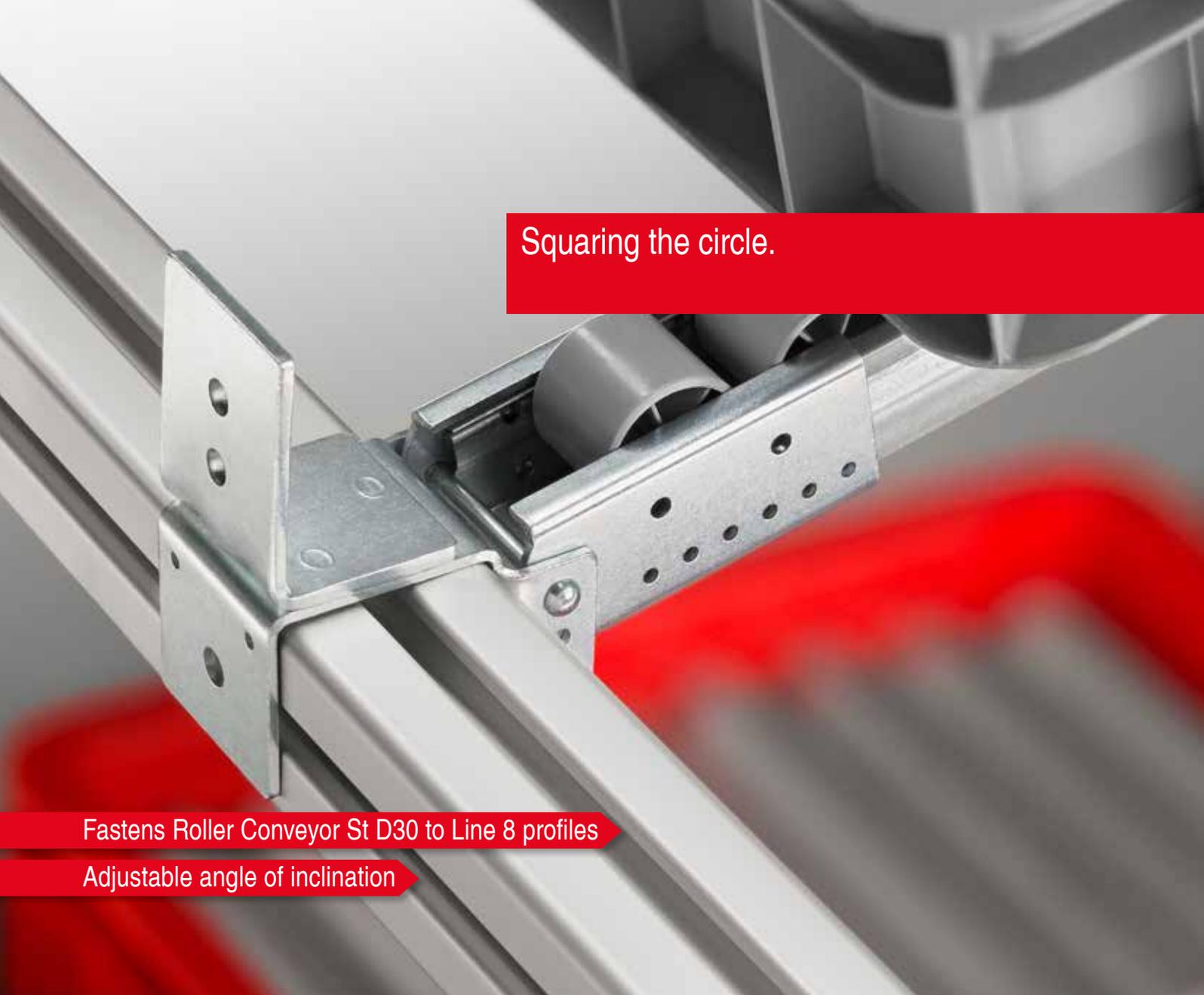


**Butt Fastener D30-90° R25, internal**

- Partially preassembled
- 2 butt fastener halves, die-cast Al, natural
- 2 Internal Fastener D30 tube inserts
- 2 washers, St, bright zinc-plated
- 2 Hexagon Socket Head Cap Screws DIN 912 M6x20, St, bright zinc-plated
- 2 hexagon nuts DIN 934-M6, St, bright zinc-plated
- m = 122.0 g

1 set

0.0.678.30



Squaring the circle.

Fastens Roller Conveyor St D30 to Line 8 profiles

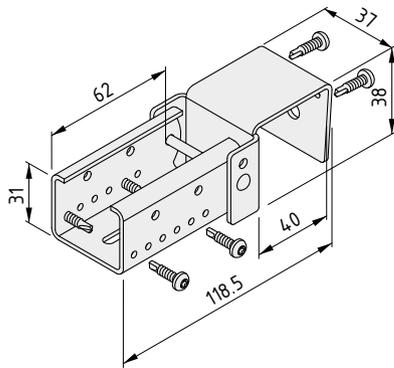
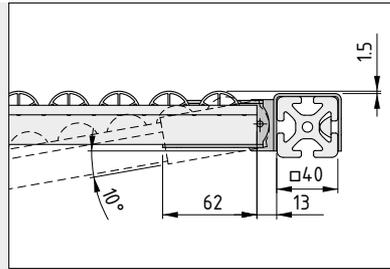
Adjustable angle of inclination

## Roller Conveyor St Fastening Bracket 40 Roller Conveyor St Fastening Bracket 40 with Forward Stop H43

Roller Conveyor St Fastening Bracket 40 is used to fasten a Roller Conveyor St D30 to Line 8 profiles that are 40 mm wide. The bracket has an articulated connection for the roller conveyor. This means a gradient can be achieved when working with perfectly level profiles, without having to twist them.

The bracket encompasses the profile from above, can be fastened to an existing Line 8 groove and additionally secured against slipping using the enclosed Button-Head Screws.

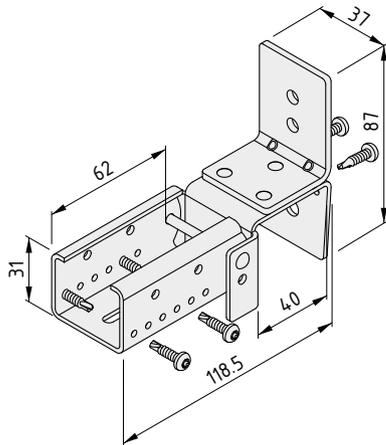
Roller Conveyor St, Fastening Bracket 40 with Forward Stop H43 provides a secure stop on the removal side. It also features an articulated connection. Regardless of the angle on the connection, the stop is always at a right angle to the support profile.



**Roller Conveyor St Fastening Bracket 40**

St, bright zinc-plated  
 6 Button-Head Screws, self-tapping St, 3.9x16, TX20, bright zinc-plated  
 m = 195.0 g

1 set 0.0.687.62



**Roller Conveyor St Fastening Bracket 40 with Forward Stop H43**

St, bright zinc-plated  
 6 Button-Head Screws, self-tapping St, 3.9x16, TX20, bright zinc-plated  
 m = 265.0 g

1 set 0.0.687.61

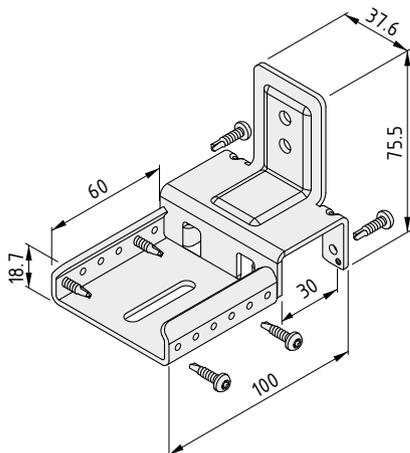
Up close and ergonomic.

Easy removal of crates

Limit stop brought forward

### Roller Conveyor 60 Fastening Bracket D30 with Forward Stop H43

Keep things easy and ergonomic when it comes to removing materials! Roller Conveyor 60, Fastening Bracket D30 with Forward Stop H43 has a limit stop that is as close to workers as possible. That means the reaching distances for removing crates and boxes are minimal, which allows for fast, ergonomic work at FIFO racks fitted with Roller Conveyor St 60.



#### Roller Conveyor 60 Fastening Bracket D30 with Forward Stop H43

St, bright zinc-plated  
6 Button-Head Screws, self-tapping St, 3.9x16, TX20, bright zinc-plated  
m = 224.0 g

1 set

0.0.681.84

Panels pronto.

Fix panels in place fast

A firm hold without any screws

Two-part design

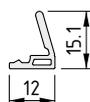
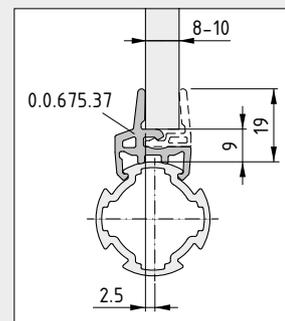
### Panel-Fixing Strip D30 8-10mm

The speedy solution for gap-free panels! Panel-Fixing Strip D30 8-10 mm offers an incredibly easy way to secure panel elements in thicknesses between 8 and 10 mm.

First, clip Panel-Fixing Strip D30 (0.0.675.37) onto the Profile Tube D30. Next, simply lay the panel element in place. And, finally, press Panel-Fixing Strip D30 8-10mm into place along the side. The end result is a secure, all-round fixing that prevents the panel from rattling.

The Panel-Fixing Strips can be cut to size using item Multi-Purpose Pliers.

**Note:** Panel-Fixing Strip D30 1-4mm (0.0.675.38) is available for thinner panel elements.



Panel-Fixing Strip D30 8-10mm

PE-HD

m = 137 g/m

grey similar to RAL 7042, 1 pce., length 3000 mm

0.0.683.89



A guide at the side.

Can be installed directly on the frame

Robust and torsion resistant

Secure transport on Roller Conveyor St

## Guide Rail z AI

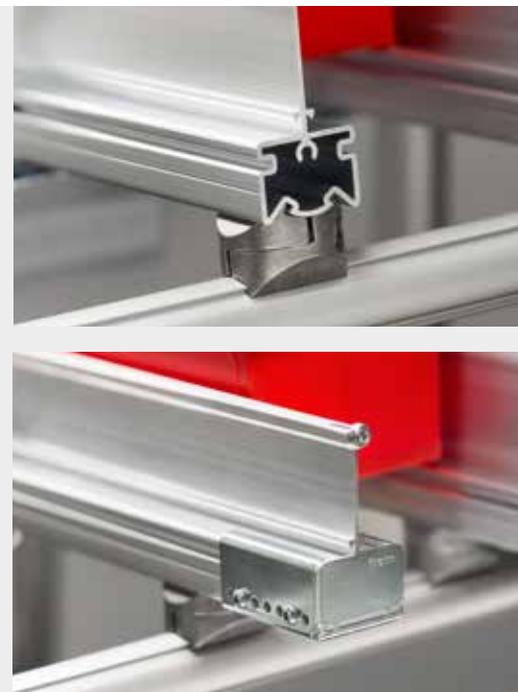
It gets things where they need to be! Robust Guide Rail z AI is a side railing for item roller conveyors. It can be positioned anywhere and is mounted directly to the frame of a construction. When fitted between parallel roller conveyors, both sides of one Guide Rail z AI can be used for guidance.

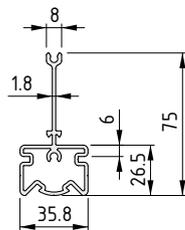
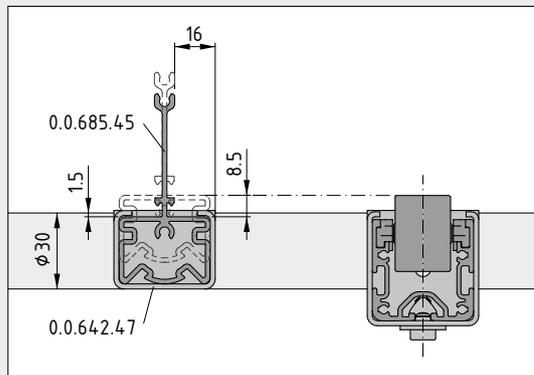
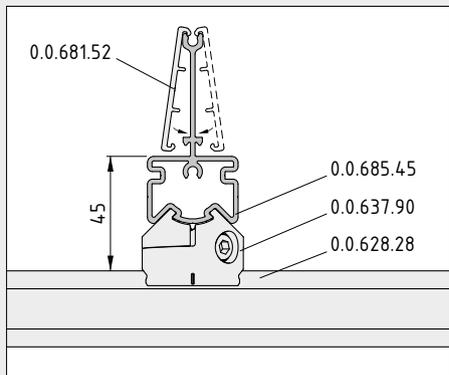
Made of aluminium, the guide rail is highly torsion resistant and can also cover longer stretches without requiring additional support. It can even be used to create a chute for small containers such as semi-open fronted boxes, with no need for a roller conveyor.

The underside of Guide Rail z AI features the geometry of a D30 profile, which means components and profiles can be connected directly to it. The Guide Rail can also be fixed in place with any Roller Conveyor St Fastening Bracket D30.

Roller Conveyor 6 40x40 E Guide Rail Slide Strip (0.0.654.94) and Slide Strip 48x2, plain (0.0.681.52) can be used to protect against scratches and act as damping. Simply clip either of these products onto the Guide Rails and they will prevent direct contact between transported goods and the aluminium rails.

Driving Button-Head Screw Self-Tapping M5x16, TX25 (0.0.674.89) into the end face of the Guide Rail eliminates the need to manually deburr sharp edges, which lowers assembly costs. The screw sits in the screw channel at the top of the Guide Rail and helps avoid potential injuries during loading and unloading operations.





Guide Rail z Al

Al, untreated  
m = 1.10 kg/m

natural, cut-off max. 6000 mm	0.0.685.45
natural, 1 pce., length 6000 mm	0.0.685.44



One-way street.

Locks roller conveyors in one direction

Secures SLCs during transport

Electrostatically dissipative

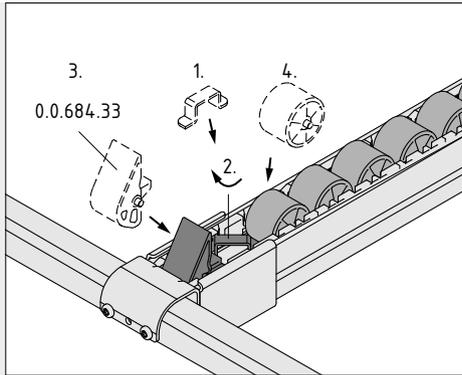


### Back Stop D4-23 ESD

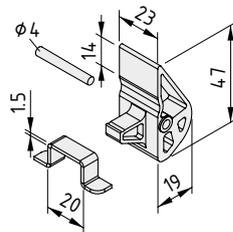
Added safety for transport! Back Stop D4-23 ESD will only allow crates and goods to move along Roller Conveyors 6 40x40 E D30 ESD in one direction. This stops small load carriers (SLCs) from being pushed backwards in the material supply system.

Back Stops are a recommended addition for any transport frames fitted with roller conveyors. For example, they ensure inertial forces do not cause loads to slip off trolleys when they are moved around corners. Back Stop D4-23 ESD is electrostatically dissipative to protect sensitive electronic goods. It can be retrofitted and is simply clipped into the roller conveyor in the place of a roller element.

**Note:** Back Stop D4-23 (0.0.659.05) is available as an identical component, but without ESD protection. Back Stops D2.8-25 (0.0.666.67) and D2.8-25 ESD (0.0.684.33) are used with Roller Conveyor St D30.



Installation: To start, remove two roller elements from Roller Conveyors 6 40x40 E D30. Insert the retaining plate in the direction of travel (1.) and twist into place (2.). Next, insert the Back Stop (3.) and one of the two roller elements you removed earlier (4.).



**Back Stop D4-23 ESD**



Back Stop, PA  
 Axle, St, stainless  
 Retaining plate, St, stainless  
 m = 19.0 g

black similar to RAL 9005, 1 set

0.0.684.33



Team player.

For ready-to-install Linear Units

Reliable, optimised design

Ready-to-use solutions – fast

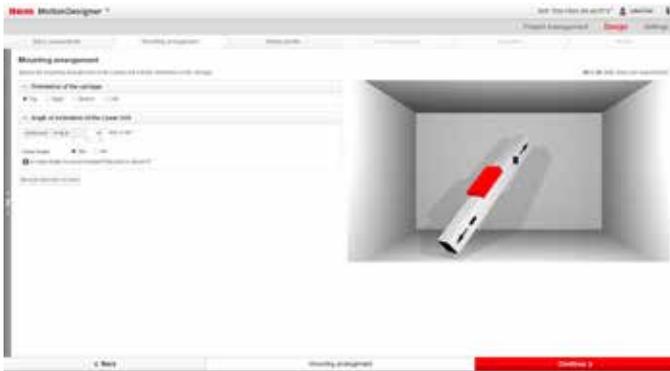
iMD

Automation really can be this simple! item linear motion units® are revolutionising the way that automation solutions are planned, assembled and commissioned. The intelligent selection and design tool item MotionDesigner® checks thousands of combinations to configure a custom turnkey system comprising Linear Unit, Motor and Controller to fit your specific needs.

item MotionDesigner® simplifies and speeds up the reliable configuration of a solution that is tailored to your needs. The online tool analyses your requirements in terms of operating load, motion profile and mounting arrangement and calculates the optimum combination of all components. It ensures everything is compatible and nothing is missing. This reduces your workload and avoids typical sources of error.

item MotionDesigner® keeps you in control at all times. The software suggests suitable solutions, helps you compare different variants and saves your project so you can continue to work on it later. You can download a bespoke CAD model of your item linear motion unit® to use in your engineering work. item MotionDesigner® also uses your data to prepare the program for your Controller and thus speed up the commissioning process.

item MotionDesigner® is an online tool, so there is no need to install any software and it is always up to date. Countless improvements and enhancements are always being made to make the tool even easier to use. For example, you can now specify and combine loads and motions faster. The ranking of solutions has also been improved in the latest version of the tool, while the technical details make it easier to assess how well the turnkey system meets your specifications and how large its power reserves are.



### 1. As individual as your project

A lot of turnkey solutions limit your possible choices. By contrast, an item linear motion unit® is made up of components taken from across the full range of the item Automation System. A whole variety of drive and guide technologies, Controllers and Motors are available to choose from. item MotionDesigner® starts by querying your technical specifications. From the installation position to the required precision and even the amount of dust and dirt in the surrounding environment – everything is taken into account.

Like an automation expert, item MotionDesigner® then translates your requirements into a turnkey solution.



### 2. Optimised for motion

At the heart of every automation project is a transport task. That is why item MotionDesigner® makes it incredibly easy to specify what your Linear Unit is to move, where to and how fast, and what the motion cycle should look like. This motion profile is crucial to assessing which solution will meet your needs in practice. It is also the basis for programming the Controller.

You can subsequently download and reuse the data you enter during the design process. Not only does that save time, but because the motion profile can be implemented directly in the Controller, there is often no need for an overarching PLC.



### 3. Simple processing

You can save your projects online when using item MotionDesigner® so that you can access them at any time and update them directly. Your data is also available to you around the world. What's more, you can also export the item linear motion unit® you configured online as a CAD model. Various data formats are available to choose from, allowing you to use your original data in ongoing engineering work and eliminating the need to create a new drawing. All that means you can easily check how your Linear Unit, Motor and Gearbox are going to fit into your space and optimise the arrangement for your construction. item MotionDesigner® thus helps to simplify the engineering of the entire machine and provide added certainty. Once everything is ready, a touch of a button is all it takes to transfer all data to the item Online Shop and submit an enquiry. It couldn't be more convenient.



### 4. Detailed documentation

item MotionDesigner® supports your decision-making with clear comparisons and analyses. These tell you whether all the requirements are being met and what power reserves are still available for future modifications. You can download full documentation in PDF format to speed up the decision-making process in your company.

## Other item product catalogues.

### Work Bench System



[item24.de/en/epaper-wbs](http://item24.de/en/epaper-wbs)

### Automation System



[item24.de/en/epaper-au](http://item24.de/en/epaper-au)

### Line XMS



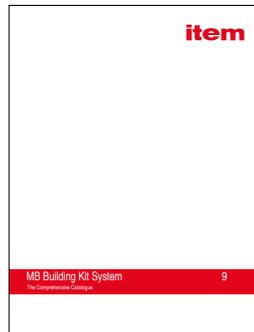
[item24.de/en/epaper-xm](http://item24.de/en/epaper-xm)

### Lean Production Building Kit System



[item24.de/en/epaper-lp](http://item24.de/en/epaper-lp)

### MB Building Kit System



[item24.de/en/epaper-mb](http://item24.de/en/epaper-mb)

### Stairway/Platform System



[item24.de/en/epaper-tp](http://item24.de/en/epaper-tp)



#### All the information you need at your fingertips

item product catalogues are available online as clearly laid out and convenient e-papers. Take your pick and get browsing!



#### Stay in the loop, even when you're offline.

Detailed planning without the Internet: item ikasys catalogue software provides all the product information you need, including installation guides and CAD data, on a DVD. Simply order a copy or download it yourself at [item24.de](http://item24.de)





## Alphabetical Register.

### B

Back Stop D4-23 ESD	48
Ball Joint Transverse Fastener D30	34
Bit Holder 8	24
Butt Fastener D30-90° R25, internal	40

### C

Cable End Link D12-34	31
Cable Pulley Wheel D42/D6-12	30
Caps Zn (for Profile End Face)	8
Cap, Groove Plate Profile 8 200x14	21
Countersunk Screw 8 SF M7.1	9
Cover Profile 8 K/Al	5

### D

Document Holder 8	24
-------------------	----

### E

Expansion Insert M5x8	13
Extension spring 1.25x12.7x121	31

### F

Fastener D30-45°, internal	38
Fastening Set, Groove Plate Profile 8	21
Ferrule Crimper D3	30
Ferrule D3-11	30
Foot Clamps (for Knuckle Feet)	14

### G

Groove Plate Profile 8 400x14	19
Guide Rail z Al	46

### H

Hinge 8 40 Zn	12
---------------	----

### I

item MotionDesigner®	50
----------------------	----

### L

Label Profile 8 32 E	25
Latches	6

### M

Magnetic Holder 8 Nd	24
----------------------	----

### P

Panel-Fixing Strip D30 8-10mm	45
Parallel Fastener D30-60	36
Pen Holder 8	25
Pneumatic Connecting Plate 8 80x40 G3/8	15
Profile Tube D30-45° heavy duty	32

### R

Ring Bolt D10 M6x45	31
Roller Conveyor 60 Fastening Bracket D30 with Forward Stop H43	44
Roller Conveyor St Fastening Bracket 40 Roller Conveyor St Fastening Bracket 40 with Forward Stop H43	42

### S

Semi-Open Fronted Box Holder 8	23
Spacer Bushings D17	31
Spanner Holder 8	23
Stacking Guide 8 St 80x80-30°	16
Steel Cable D3 sheathed	30
Synthetic Fibre Cable D3	30

### T

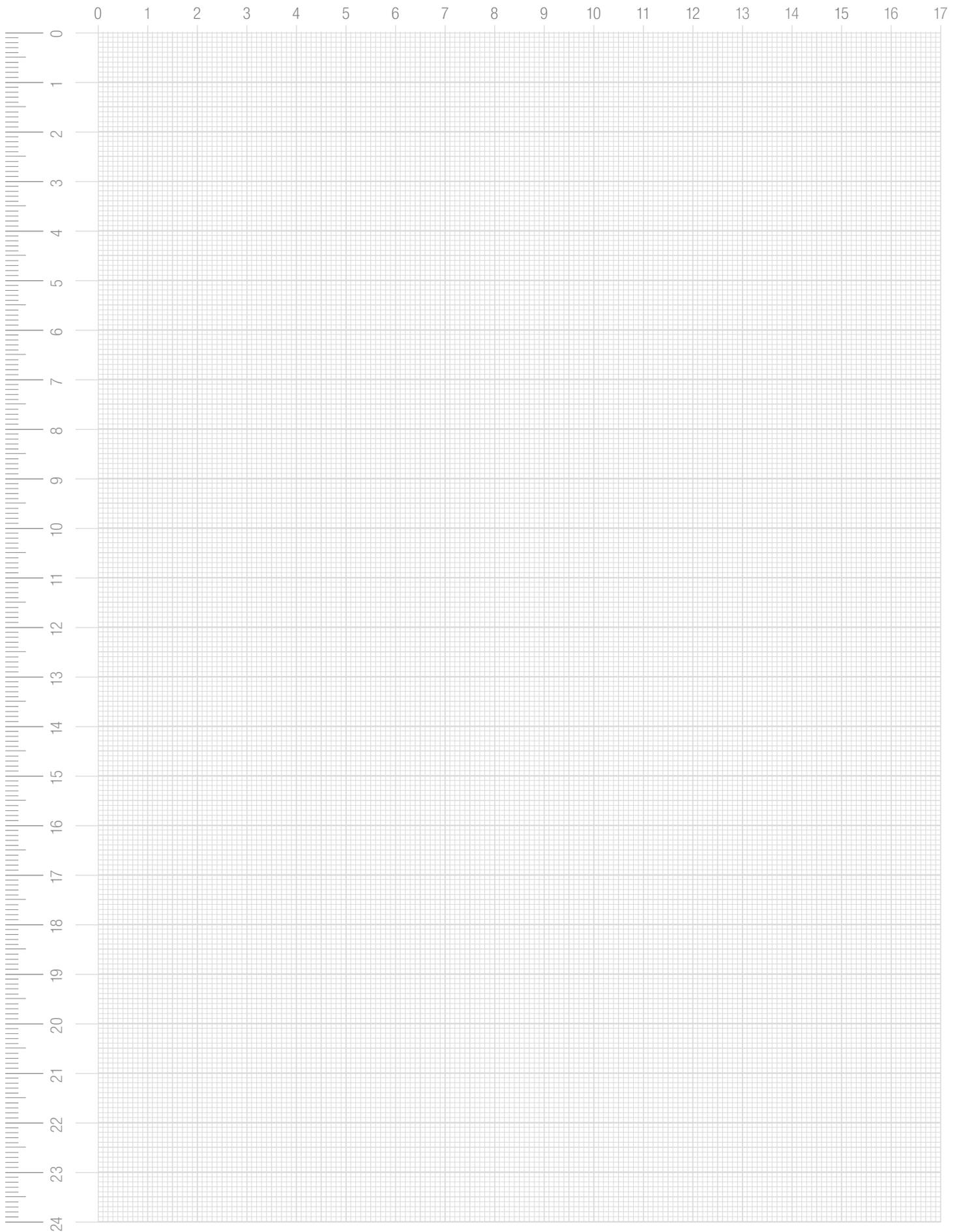
Table Top 25, plastic coated	26
Table Top 30, high pressure laminate	26
Table Top 30, high pressure laminate, ESD	26
Table tops	26
Thimble D12/D3	30
Tool Grip 8	23
Tube D30	33

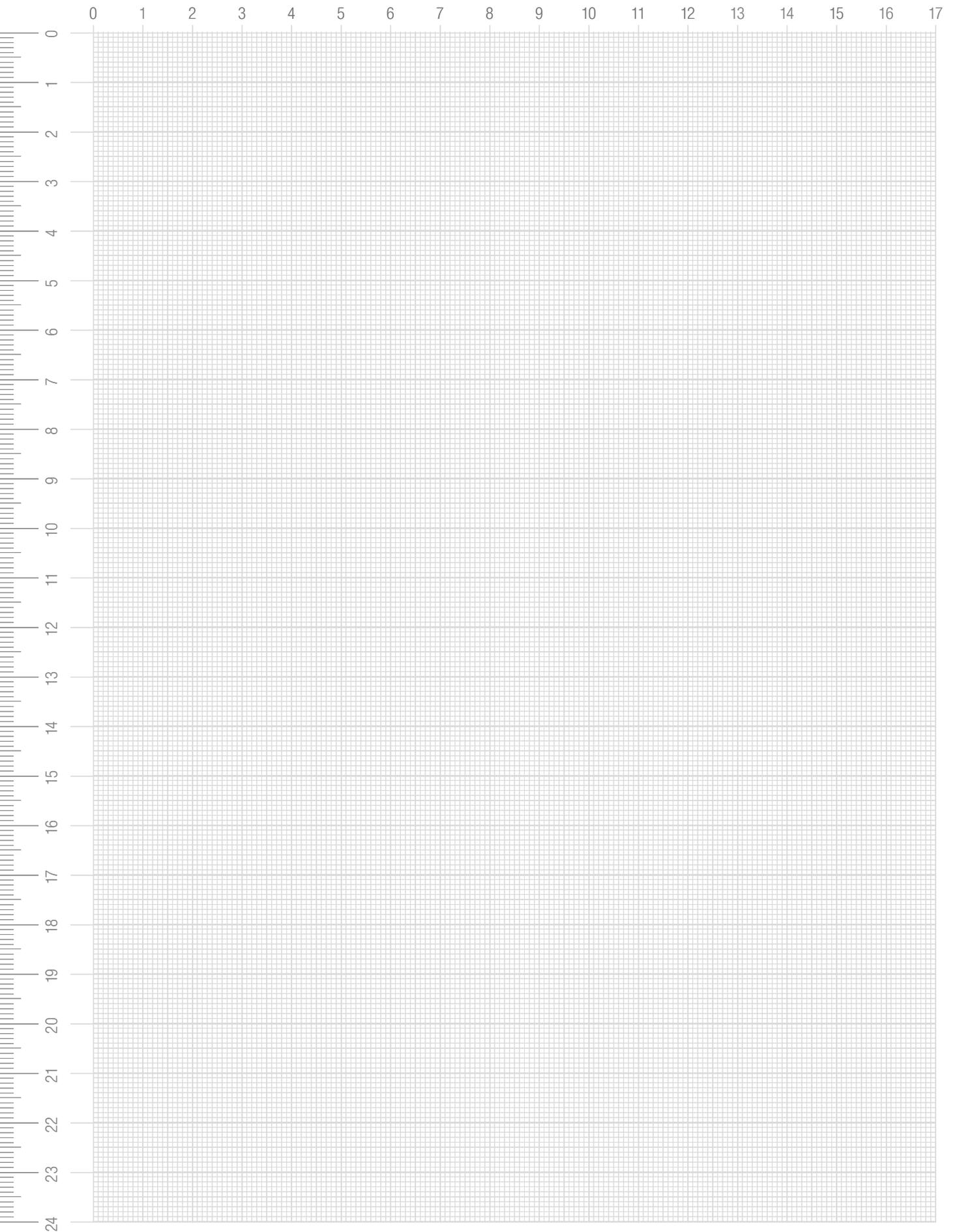
### U

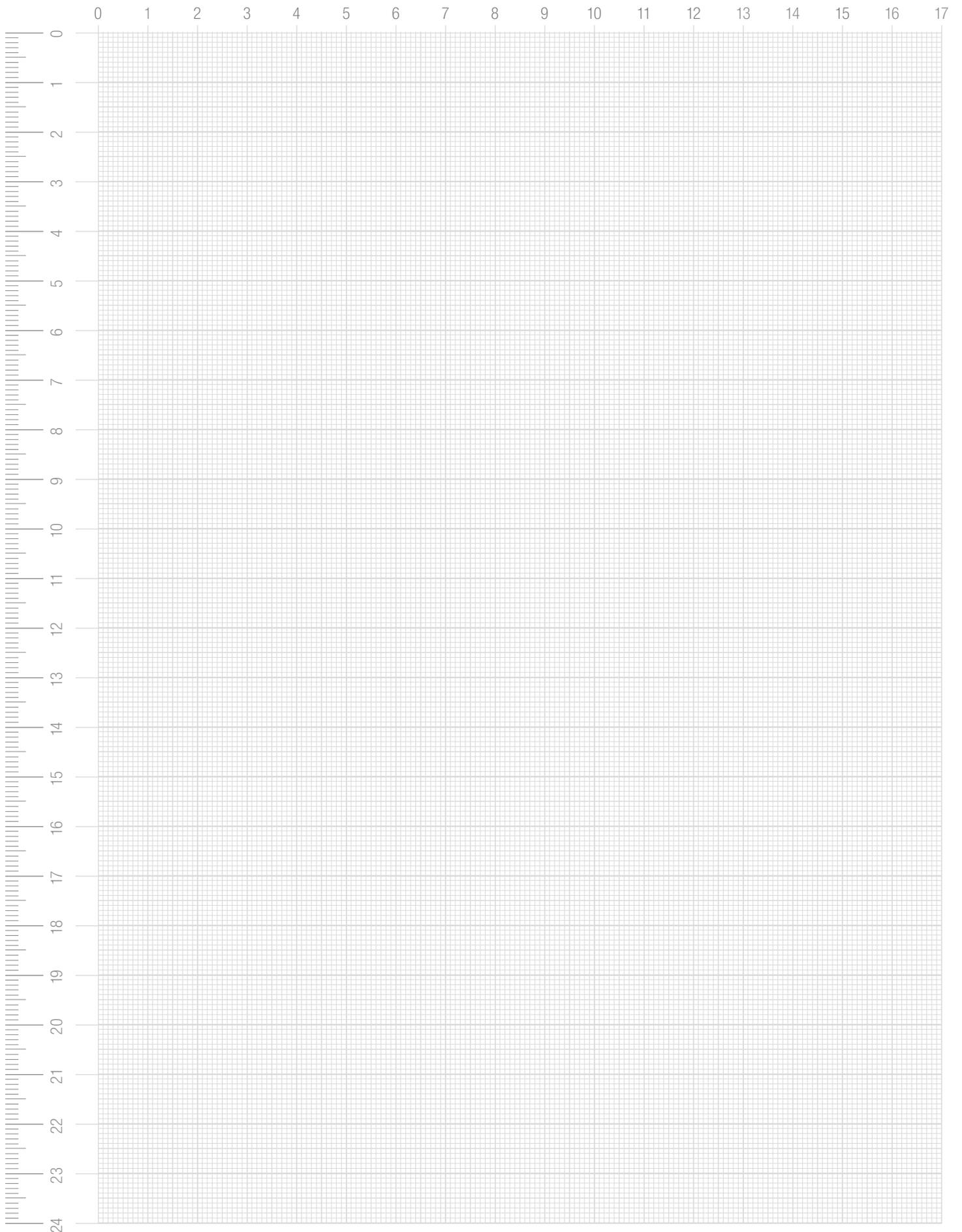
Universal-Fastening Sets with Double T-Slot Nuts	10
--	----

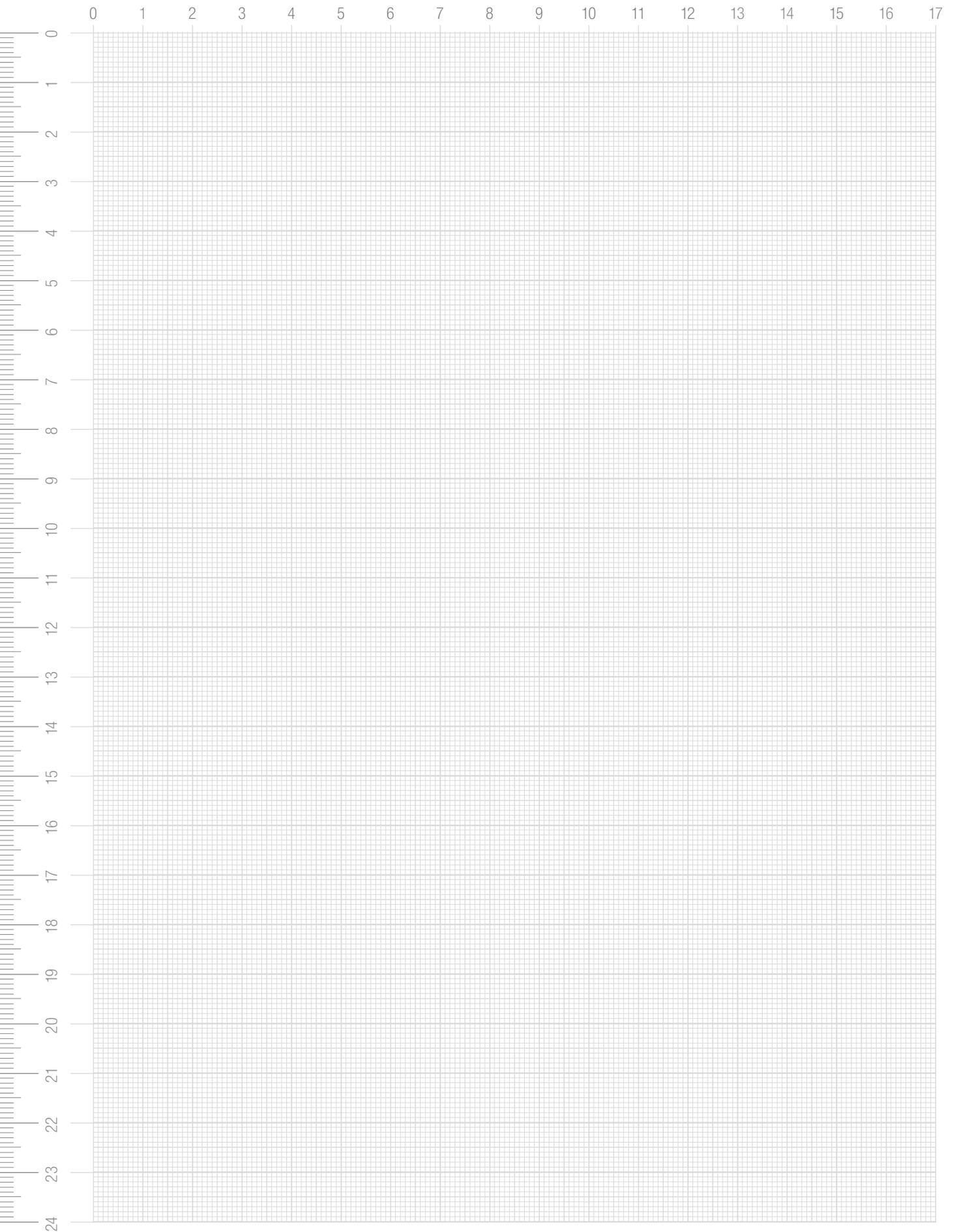
### W

Wire Cable Clamp D3 M4x10	31
---------------------------	----











Always there for you.

Always up to date: Our website at [item24.com](http://item24.com) offers further information on all the products and technologies that item supplies.

#### **Patents**

Any copying of protected products is a violation of these rights and, as such, shall be liable to compensation. Data and illustrations in this catalogue do not discharge the user from the obligation to carry out his own checks to determine whether the industrial property rights of third parties are infringed.

#### **Product liability**

item shall be liable, within the framework of the applicable legal provisions, for the promised characteristics of the products shown in this catalogue. Any claims for liability above and beyond such – in particular relating to products created by third parties using products included in this catalogue – are expressly excluded.

#### **Conditions of use**

The products in the item building kit systems are suitable for use in dry conditions and over the temperature range -20 °C to +70 °C, unless otherwise indicated. item must be consulted where products are to be used for applications outside these limits.

#### **Conformity with Directive 2011/65/EU (“RoHS”)**

item has made a voluntary undertaking to refrain from using hazardous substances as defined in Directive 2011/65/EU in the products it sells, irrespective of their subsequent purpose which, in the majority of cases, does not fall under this Directive.

#### **Concept, design and realisation**

item Industrietechnik GmbH

#### **Photographs**

item Industrietechnik GmbH

Technical modifications and errors reserved.

All rights reserved. Use of texts and illustrations or reprints of any kind only permitted with prior written consent from item. This applies in particular to reproduction, translation or use in electronic systems.

**item** and the item claim are a registered trademark of item Industrietechnik GmbH.

© item Industrietechnik GmbH 2017

Your distribution and service partner

**item**

item Industrietechnik GmbH  
Friedenstrasse 107-109  
42699 Solingen  
Germany

Phone +49 212 6580 0  
Fax +49 212 6580 310

info@item24.com  
item24.com

04.124.30 10/2017 © item Industrietechnik GmbH Made in Germany

Your ideas are worth it.®