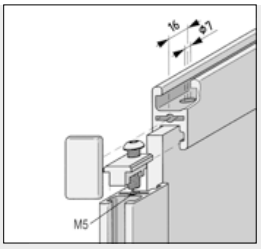
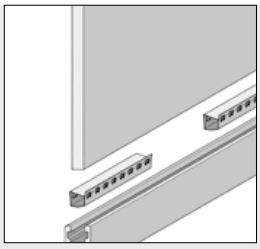
Clamp Profile 8 32x18

- Holds panel elements with the appropriate Clamping Spring
- For building lightweight guards, enclosures and sliding doors

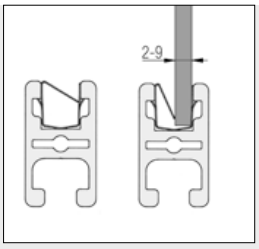
8

Clamp-Profile Fastening Set 8 32x18 ensures a correctly positioned corner connection for the profiles.



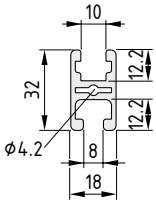


The number of Clamping Springs required depends on the load, the inherent stability and the size of the panel element.



10 mm thick panel elements can be fitted into the groove without using Clamping Springs.

Instead of Clamping Spring 8, a Lip Seal 8 can also be used for securing inherently stable panel elements.

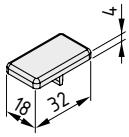


Clamp Profile 8 32x18

8

Al, anodized

A [cm²]	m [kg/m]	I_x [cm⁴]	I_y [cm⁴]	W_x [cm³]	W_y [cm³]	
2.49	0.67	1.88	1.10	1.16	1.23	
natural, cut-off max. 6000 mm						0.0.373.67
natural, 1 pce., length 6000 mm						0.0.631.05
natural, 1 pce., length 3000 mm						0.0.452.24

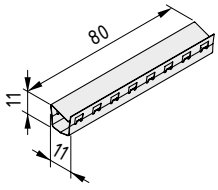


Cap 8 32x18

8

PA-GF
m = 2.2 g

black, 1 pce.	0.0.388.87
grey similar to RAL 7042, 1 pce.	0.0.627.23

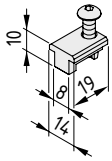


Clamping Spring 8

8

St
m = 5.0 g

stainless, 1 pce.	0.0.406.21



Clamp-Profile Fastening Set 8 32x18

8

Fastener, die-cast zinc, bright zinc-plated
Button-Head Screw ISO 7380-M5x20, St, bright zinc-plated
$M_{\text{bright zinc-plated}}$ = 4.5 Nm m = 11.0 g

1 set	0.0.404.09

Corner-Fastening Set Clamp-Profile 8 32x18

- Simple assembly of a frame using Clamp Profiles 8
- Additional components can be added to produce hinges or castors for sliding doors

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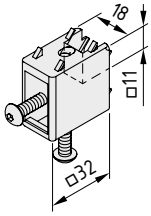
Corner-Fastening Set Clamp-Profile 8 32x18 is used for stable profile connections.
The rigid screw fastening to the end faces of the profiles being connected produces a frame that is ideal for use within lightweight enclosures and for door frames.

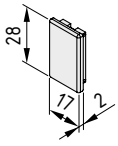
Corner-Fastening Set Clamp-Profile 8 32x18 contains all components required for a profile connection. An M5 thread must be tapped into the core bore of each Clamp Profile 8 32x18.
The Corner-Fastening Sets are multifunctional. They can be used in a variety of ways when used with special add-on elements:

- Roller Set 32x18 can be fitted directly into the corner fastener. This turns the frame into a smooth-running sliding door element that can be employed e.g. in the Sliding-Door Guide Profile 8 40x10.
- Hinge Sets 32x18 come with an insert for the corner fastener which forms a door hinge in conjunction with a hinge bearing in the frame of the surrounding construction. This provides an easy means of constructing a stylish, lightweight swing door with a particularly low door gap and without needing to fit additional hinges.

The maximum permissible weight of a door is 10 kg.

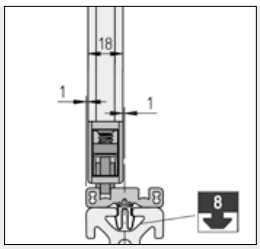
6



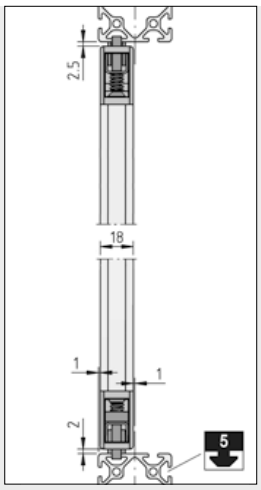


Corner-Fastening Set Clamp-Profile 8 32x18	8
Die-cast zinc, white aluminium similar to RAL 9006 2 Button-Head Screws ISO 7380-M5x16, St, bright zinc-plated m = 54.5 g	
1 set	0.0.494.73

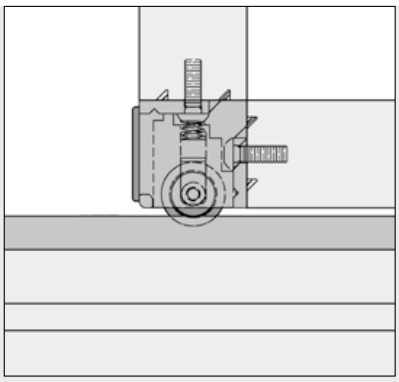
Cap for Corner-Fastener 8 32x18	8
PP m = 1.3 g	
grey similar to RAL 7042, 1 pce.	0.0.494.71



Sliding-Door Guide Profile 8 40x10 is fitted with Clip 8 St at the top and bottom of the surrounding profile frame. It forms the guide for two door leaves of Clamp Profile 8 32x18.



The sliding doors can also be run directly in the grooves of a Line 5 profile. This produces a particularly compact frame construction.

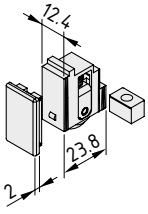


Spring-loaded Roller Set 32x18 is fitted into the corner fasteners of the previously constructed clamp profile frames. A Roller Set must be installed in each fastener so as to guide the sliding door leaf.

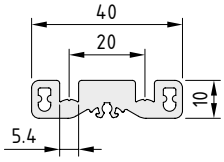
A limit stop can be installed to prevent the roller insert from springing. The corner fasteners at the bottom of a sliding door frame are always installed with rigid rollers. Spring-loaded rollers in the corner fasteners at the top enable the door leaves to be fitted into a profile frame which has already been built.

If required, all four roller inserts may be blocked by limit stop inserts and the outer profile frame finished after the sliding door leaves have been fitted. This effectively prevents the doors from being removed without dismantling the frame.

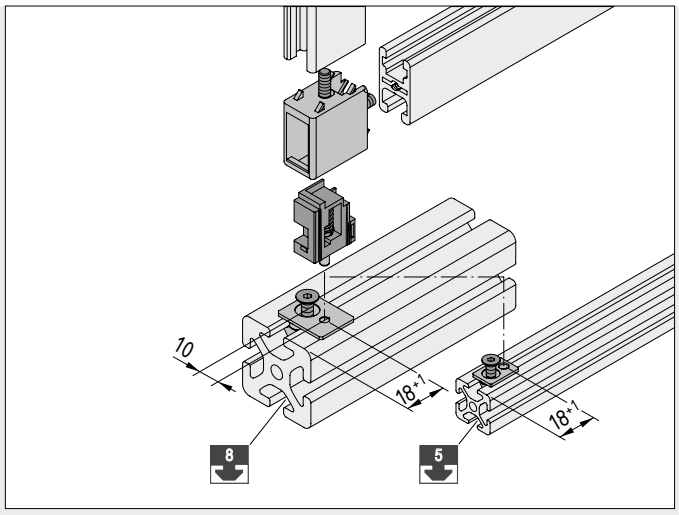
After the rollers have been fitted, a plastic end cap closes the fastener at the side and serves as a door stop in the terminal positions.



Roller for Corner-Fastener 8 32x18	8
Roller insert Compression spring Llimit stop Cap, PP grey Notes on Use and Installation m = 10.5 g	
1 set	0.0.494.74

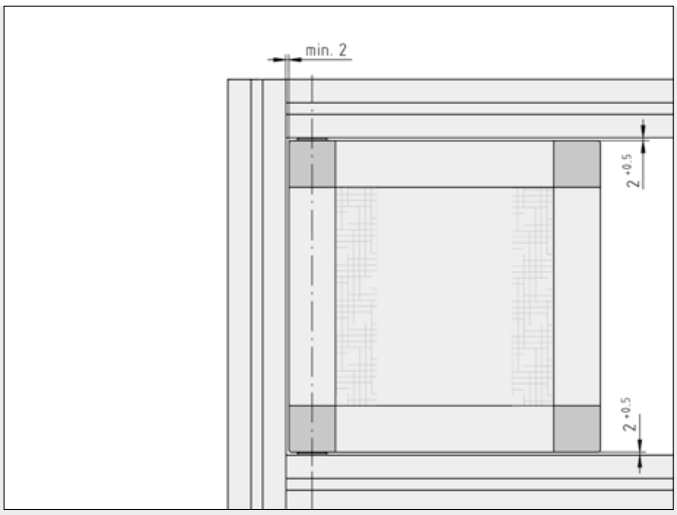


Sliding-Door Guide Profile 8 40x10	8
Al, anodized	
A [cm²] m [kg/m]	
2.48 0.67	
natural, cut-off max. 3000 mm	0.0.495.13
natural, 1 pce., length 3000 mm	0.0.495.12

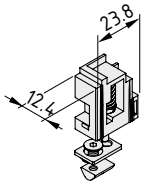


The hinge inserts are also fitted into the corner fasteners after the clamp profile frame has been closed.

A hinge bearing is attached to both the upper and the lower frame profile and functions as a rotary bearing for a door. During installation, the spring-loaded Hinge Pin engages in the bearing plate, whose position in the groove can be adjusted when the swing door is open. This provides an effective means of preventing a closed door from being dismantled.



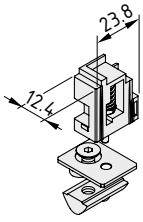
The Hinge Sets for installing swing doors in frame constructions of Line 5 or 8 contain all the parts required for one hinge.



Hinge 5 for Corner-Fastener 8 32x18 5

Hinge insert
Bearing plate 5
T-Slot Nut 5 St M4, bright zinc-plated
Countersunk Screw DIN 7991-M4x6, St, bright zinc-plated
Notes on Use and Installation
m = 11.5 g

1 set	0.0.495.33



Hinge 8 for Corner-Fastener 8 32x18 8

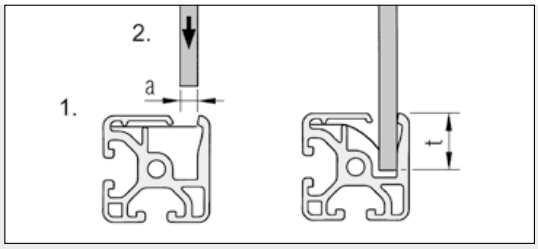
Hinge insert
Bearing plate 8
T-Slot Nut V 8 St M5, bright zinc-plated
Countersunk Screw DIN 7991-M5x12, St, bright zinc-plated
Notes on Use and Installation
m = 23.0 g

1 set	0.0.494.76

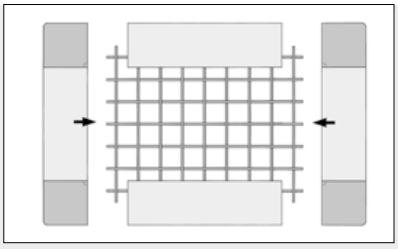
Clamp Profiles E

- For building frame elements
- Flexible steel strip holds even Corrugated Mesh Al in place
- Rapid to fit and secured against movement

6 8 item Innovation

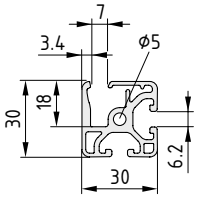


Installation sequence:
1. Insert the Clamp-Profile Strip into the spring cavity in the Clamp Profile.
2. Press in the panel element.



Producing frames:
1. Cut-off of panel element = inside frame dimension + 2 x insertion depth (t).
2. Fit the Clamp-Profile Fastener loosely onto the upright frame profiles.
3. Place the horizontal frame profiles centrally onto the panel element so as to ensure initial gentle clamping by the steel strip. The panel element must not yet be pressed all the way into the groove.
4. Assemble the frame and tighten the bolts. The panel element will be pressed into the groove by varying amounts (depending on the tolerance position) when the bolts are tightened.

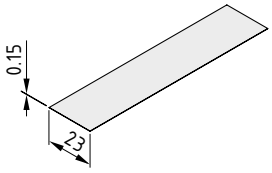
Clamp Profile Fasteners E 206



Clamp Profile 6 30x30 E

Al, anodized

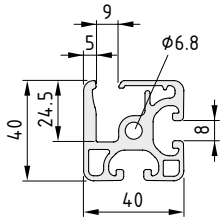
A [cm²]	m [kg/m]	I_x [cm⁴]	I_y [cm⁴]	W_x [cm³]	W_y [cm³]	
3.58	0.97	2.77	3.24	1.81	2.14	
natural, cut-off max. 6000 mm						0.0.439.42
natural, 1 pce., length 6000 mm						0.0.451.49



Clamp-Profile Strip 6 23x0.15 E

St
m = 27 g/m

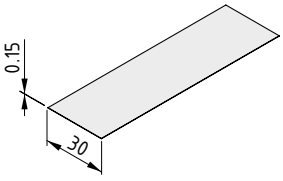
stainless, 1 roll length 20 m	0.0.441.52



Clamp Profile 8 40x40 E

Al, anodized

A [cm²]	m [kg/m]	I_x [cm⁴]	I_y [cm⁴]	W_x [cm³]	W_y [cm³]	
6.50	1.76	8.79	10.67	4.29	5.25	
natural, cut-off max. 6000 mm						0.0.436.92
natural, 1 pce., length 6000 mm						0.0.452.21



Clamp-Profile Strip 8 30x0.15 E

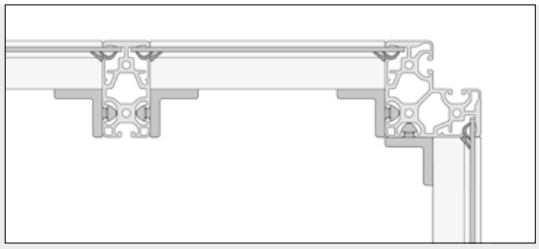
St
m = 35 g/m

stainless, 1 roll length 20 m	0.0.440.48

Clamp Profiles light

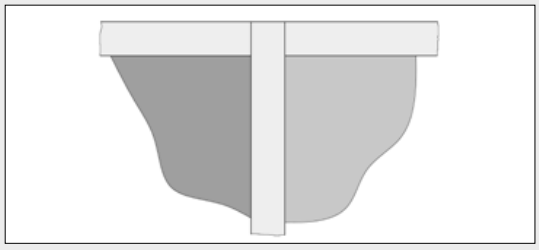
- The cost-effective solution for building gap-free protective enclosures
- Stand profile and clamp profile in one

8

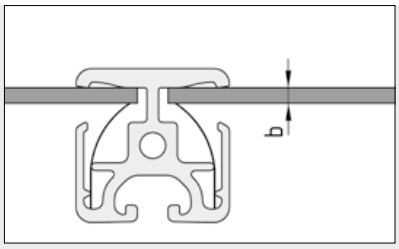


The Clamp Profiles light are connected using Angle Bracket V 8 40 Zn.

Angle Bracket V 8 40 Zn 95

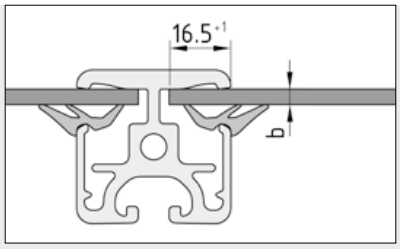


Using a Clamp Profile as a stand allows you to construct protective enclosures without gaps.



A special clamping effect is achieved using Clamp-Profile Strip 8 30x0.15 E (0.0.440.48). In such cases, the Clamp Profiles first have to be pushed onto the panel element. The frame is then connected together using Angle Brackets V 8 40 Zn.

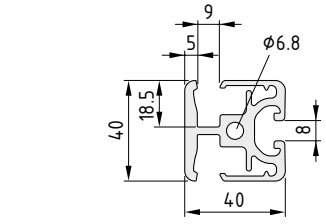
b = max. 6 mm

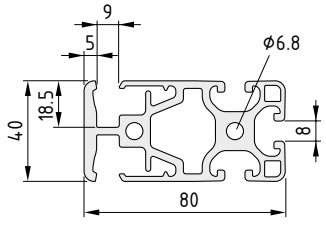


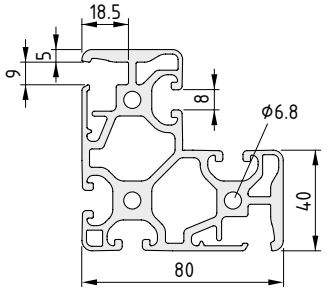
Lip Seals 8 ensure inherently stable panel elements are secured firmly without rattling.

b = max. 6 mm

Lip Seal 8 2-4mm 167







Clamp Profile 8 40x40-180° light

8

Al, anodized

A [cm²]	m [kg/m]	I_x [cm⁴]	I_y [cm⁴]	W_x [cm³]	W_y [cm³]	
6.51	1.77	8.57	11.20	4.29	5.51	
natural, cut-off max. 6000 mm						0.0.483.36
natural, 1 pce., length 6000 mm						0.0.454.45

Clamp Profile 8 80x40-180° light

8

Al, anodized

A [cm²]	m [kg/m]	I_x [cm⁴]	I_y [cm⁴]	W_x [cm³]	W_y [cm³]	
11.77	3.18	17.37	70.29	8.69	17.41	
natural, cut-off max. 4800 mm						0.0.480.44
natural, 1 pce., length 4800 mm						0.0.454.38

Clamp Profile 8 W80x80x40 light

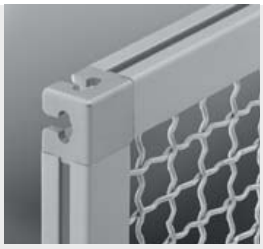
8

Al, anodized

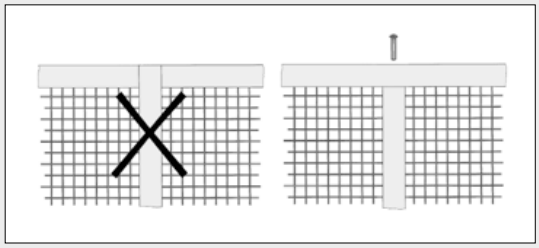
A [cm²]	m [kg/m]	I_x [cm⁴]	I_y [cm⁴]	W_x [cm³]	W_y [cm³]	
17.51	4.73	97.40	97.40	21.18	21.18	
natural, cut-off max. 4800 mm						0.0.483.57
natural, 1 pce., length 4800 mm						0.0.483.56

Clamp Profiles

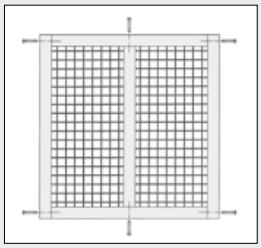
- For building particularly stable frame elements
- Suitable for large-area guards and enclosures

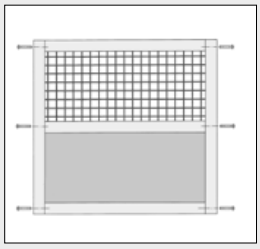


Clamp Profiles can be connected together to form frames using Clamp-Profile Fasteners E or by screwing the Clamp Profiles directly to each other.

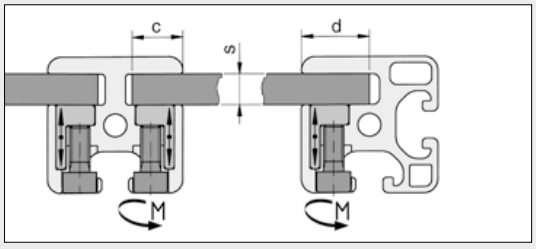


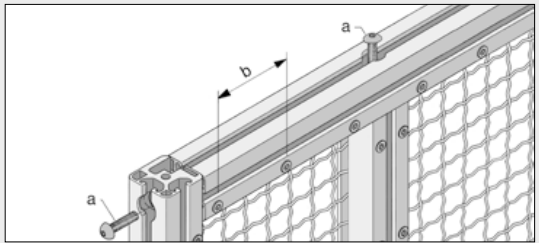
Where the panels are to be divided by a central strut (Clamp Profile 180°), this should always be tapped at the ends and bolted between the outer frame profiles.
The Profile Edging (i.e. clamping strip) will need to be interrupted accordingly.



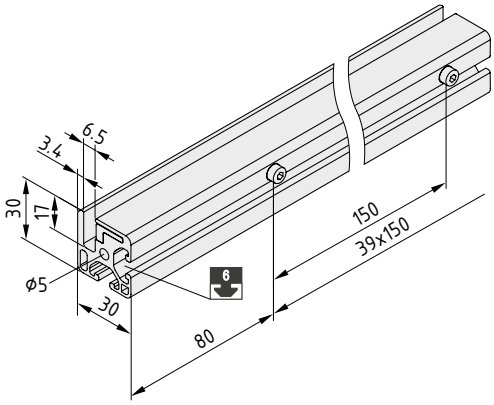


When designing a frame, it is important to ensure that horizontal Clamp Profiles are always connected via their end faces. An appropriate bore should be drilled through the vertical profiles.





	Clamp Profile 6		Clamp Profile 8	
	30x30	30x30-180°	40x40	40x40-180°
c	-	12^{-1} mm	-	15^{+1} mm
d	15^{+1} mm	-	20^{+2} mm	-
$M_{max.}$	2 Nm		8 Nm	
a	Button-Head Screw ISO 7380 M6x30		Button-Head Screw ISO 7380 M8x40	
b	150 mm		200 mm	
s	2-6 mm		2-8.5 mm	

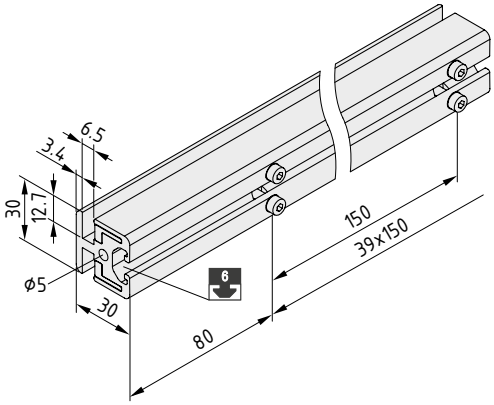


Clamp Profile 6 30x30

Al, anodized

Cap Screws DIN 912-M4x12, St, bright zinc-plated

A [cm²]	m [kg/m]	I_x [cm⁴]	I_y [cm⁴]	W_x [cm³]	W_y [cm³]	
4.14	1.27	3.20	3.54	2.04	2.34	
natural, cut-off max. 6000 mm						0.0.431.11
natural, 1 pce., length 6000 mm						0.0.451.01

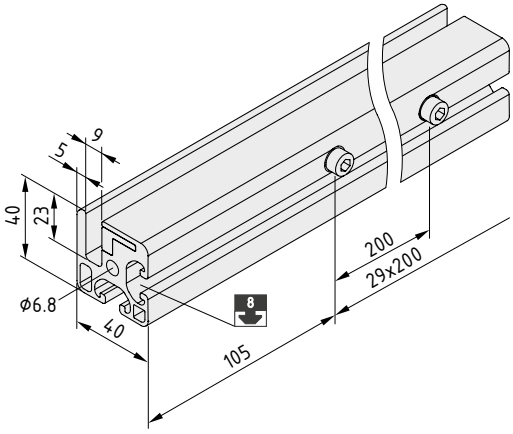


Clamp Profile 6 30x30-180°

Al, anodized

Cap Screws DIN 912-M4x12, St, bright zinc-plated

A [cm²]	m [kg/m]	I_x [cm⁴]	I_y [cm⁴]	W_x [cm³]	W_y [cm³]	
4.64	1.55	3.88	3.53	2.54	2.35	
natural, cut-off max. 6000 mm						0.0.431.14
natural, 1 pce., length 6000 mm						0.0.451.02

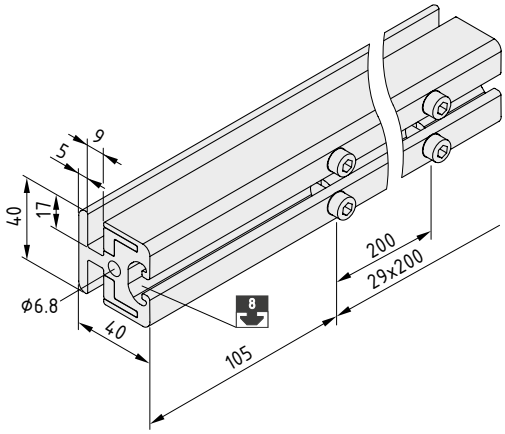


Clamp Profile 8 40x40

Al, anodized

Cap Screws DIN 912-M6x16, St, bright zinc-plated

A [cm²]	m [kg/m]	I_x [cm⁴]	I_y [cm⁴]	W_x [cm³]	W_y [cm³]	
7.49	2.30	9.58	11.96	4.55	5.93	
natural, cut-off max. 6000 mm						0.0.196.50
natural, 1 pce., length 6000 mm						0.0.452.25

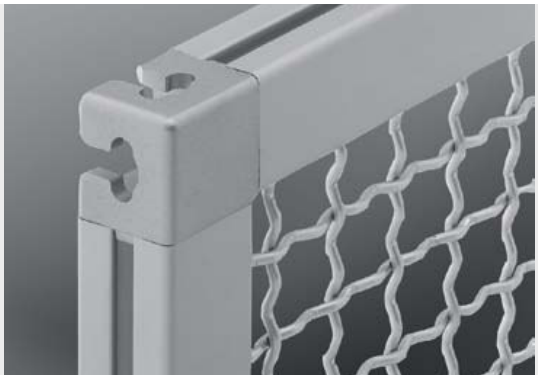


Clamp Profile 8 40x40-180°

Al, anodized

Cap Screws DIN 912-M6x16, St, bright zinc-plated

A [cm²]	m [kg/m]	I_x [cm⁴]	I_y [cm⁴]	W_x [cm³]	W_y [cm³]	
8.38	2.56	11.40	13.00	5.70	6.20	
natural, cut-off max. 6000 mm						0.0.429.95
natural, 1 pce., length 6000 mm						0.0.452.26



Clamp-Profile Fastener E

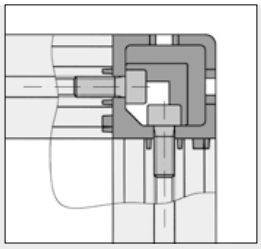
- For suspending panels within frame structures
- Ensures easy access thanks to rapid installation and removal

6 8 item Innovation

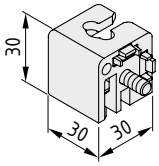
Suspended frame elements can also be locked if required by subsequently moving the lower Clamp-Profile Hanger.

Clamp-Profile Hangers E 210

The Clamp-Profile Fastener can be combined with any desired Profiles 6 30x30 or 8 40x40 and also with the existing Clamp Profiles 6 30x30 or 8 40x40. The fact that the Clamp-Profile Fastener has a special cavity means that the panels to be fitted in the profile grooves do not need to be notched.



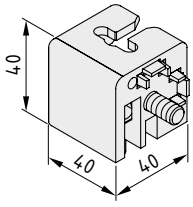
Connection of Clamp-Profiles E with Clamp-Profile Fasteners E.



Clamp-Profile Fastener 6 30x30 E 6

Die-cast zinc, white aluminium similar to RAL 9006
2 Cap Screws DIN 912-M6x16, St, bright zinc-plated
m = 78.0 g

1 set	0.0.441.80



Clamp-Profile Fastener 8 40x40 E 8

Die-cast zinc, white aluminium similar to RAL 9006
2 Cap Screws DIN 912-M8x20, St, bright zinc-plated
m = 187.0 g

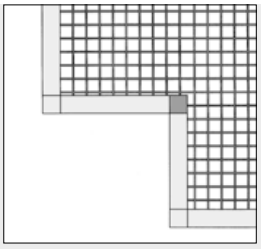
1 set	0.0.444.76

Clamp-Profile Cross Connector

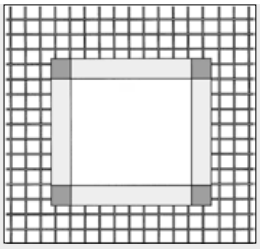
- Connect up to four Clamp Profiles
- Versatile design options
- For inside corners, cut-outs and openings in panels

6 8

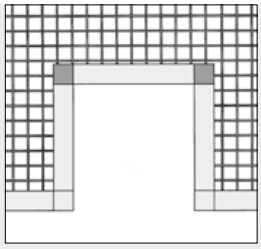
Installation note:
The following screws are required for securing the Clamp-Profile Cross Connectors to the Clamp Profiles:
- Clamp Profile 6 30x30: Screw ISO 7380 M6x14
- Clamp Profile 8 40x40: Screw ISO 7380 M8x20



Inside corner with a Clamp-Profile Cross Connector and two Clamp Profile Connectors.

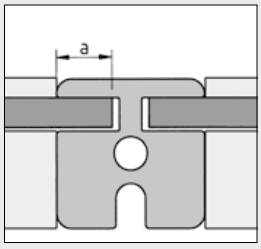


Central aperture with four Clamp Profile Cross Connectors.



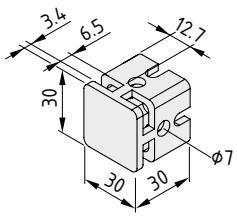
Cut-out with two Clamp Profile Cross Connectors and two Clamp Profile Connectors.

Button-Head Screws ISO 7380 147



When planning panel element cut-outs, the penetration depth (a) specified here must be taken into account irrespective of the penetration depth specified for the Clamp Profiles.

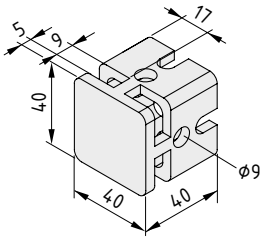
Clamp-Profile Cross Connector	6	8
a	12 $^{-1}$ mm	15 $^{+1}$ mm



Clamp-Profile Cross Connector 6 30x30 6

St
m = 74.0 g

white aluminium, similar to RAL 9006, 1 pce.	0.0.459.09



Clamp-Profile Cross Connector 8 40x40 8

St
m = 168.0 g

white aluminium, similar to RAL 9006, 1 pce.	0.0.457.92