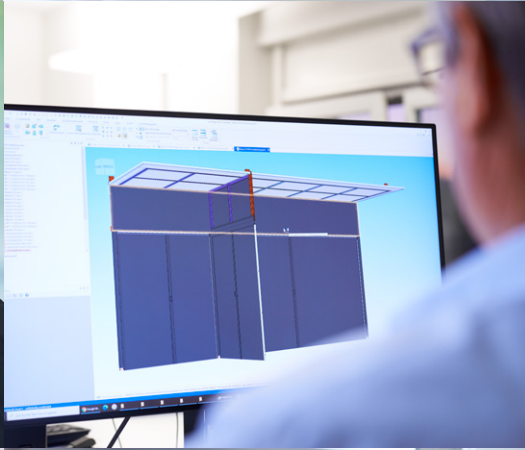


Catalog 2023



Profiles
Connectors
Fastening elements
Accessories
Electrical accessories
Panel elements
Tools
Technical data



We think ahead.

We do a lot for companies.

If you want to be successful, you need a strong profile. Mechanical engineers even need several. And we supply them in all variety, exactly to measure. Here every professional find all the components: For a technology, in which everything fits together exactly to last. We are happy to be a partner for your ideas.

The solution is to find the right solution.

Our experience with aluminum proves: More is possible than many believe. The material is versatile, precise to process, extremely strong and yet light. With it, we develop the structure that exactly fits your project and works in practice. All with our engineering know-how for mechanical engineering.

Precision describes precisely our origin.

We started in Wollerau in the canton of Schwyz in 1991. This is also our innovative center today, from which Wobatech aluminum profiles are established world-wide. Because we respond to the needs in practice, flexibly and fast – with systematic prefabrication and digital planning, completely thought out by competent employees.

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USA
+1 617 352 2098



Tailor-made

Together with you we develop exactly the solution that you need.



Aluminum

Aluminum ensures precise processing, high strength and low weight.



Engineering

Benefit from our know-how in engineering and mechanical engineering.

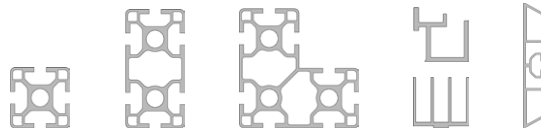


Solution-oriented

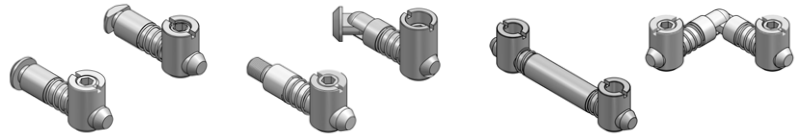
"Solutions are there to be found" – that is our motivation.

H1 Profiles

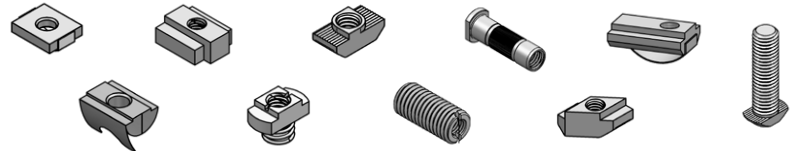
Profile system

**H2 Connectors**

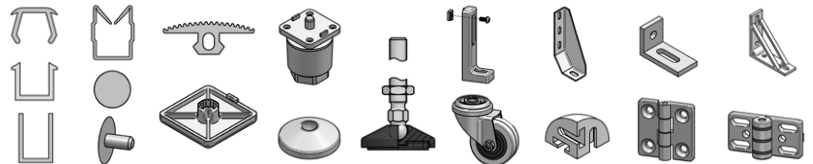
Universal, Standard, Screw-type, Oblique, Parallel, Extension, Miter, Accessories

**H3 Fastening elements**

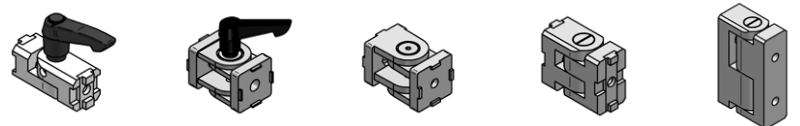
Threaded plates, T-Nuts for subs. insertion, Threaded inserts, T-Nuts with springs, T-slot nuts

**H4 Accessories**

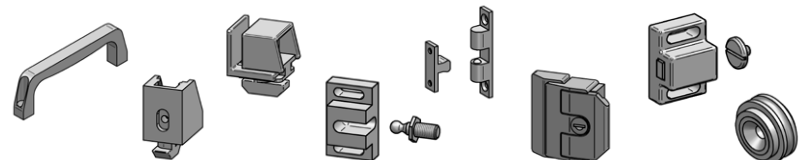
Synthetic profiles, End caps, Plugs, Tilt-foot plates and Castors, Angle profiles, Corner pieces, Hinges

**H5 Accessories**

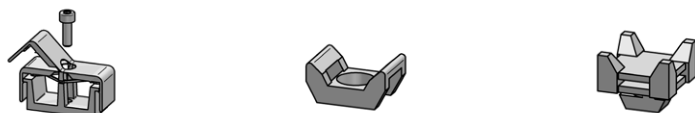
Joints

**H6 Accessories**

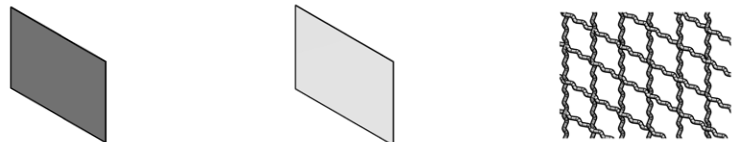
Handles, Mounting blocks, Mounting clamp blocks, Bullet catches, Extension accessories

**H7 Electrical accessories**

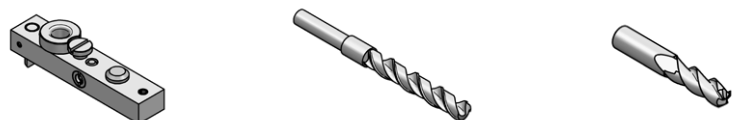
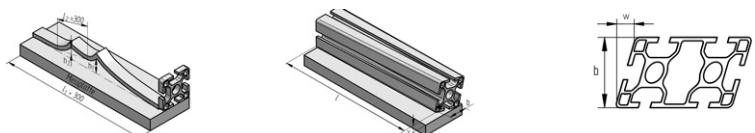
Cable and hose clamp, Universal-blocks for cable binder, Cross-blocks for cable binder

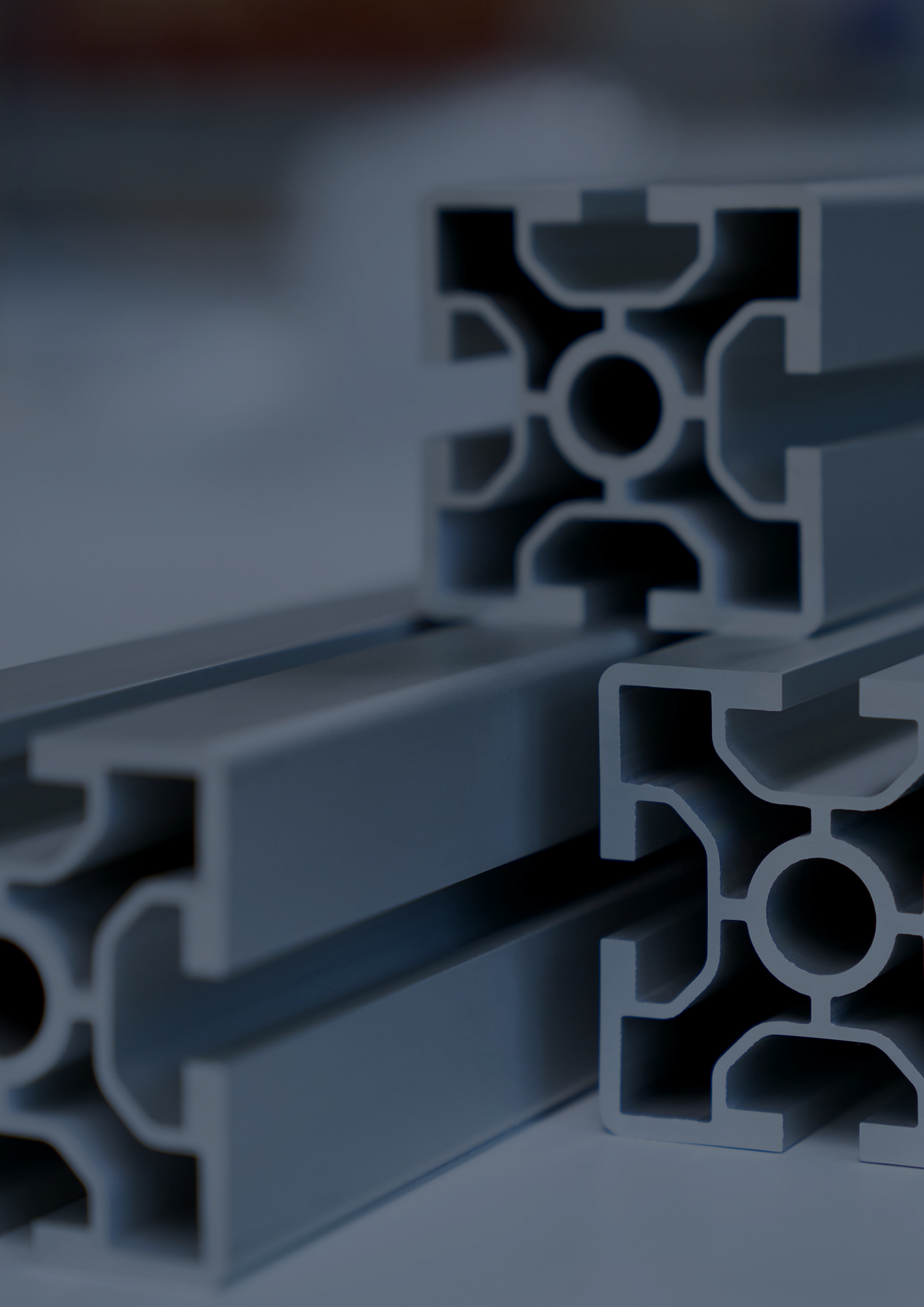
**H8 Panel elements**

Chipboard, Solid plastic panels, Alu-plastic composite panels, Acrylic, Polycarbonat (Makrolon), Wire net

**H9 Tools**

Drill jigs, Drills, Milling cutters

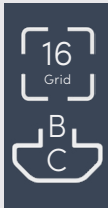
**H10 Technical data**Profile tolerances
Strength values



CONTENT PROFILES

Overview profiles	H1.003
Special profiles	H1.005
Profile machining	H1.006
Profiles 16x40	H1.007
Profiles 20x10	H1.008
Profiles 20x30	H1.008
Profiles 20x40	H1.008
Profiles 30x30	H1.012
Profiles 30x50	H1.015
Profiles 30x60	H1.016
Profiles 60x60	H1.017
Profiles 30x100	H1.018
Profiles 40x40	H1.019
Profiles 40x80	H1.022
Profiles 40x120	H1.024
Profiles 80x80	H1.025
Profiles 50x50	H1.029
Profiles 50x50 door	H1.032
Profiles 50x100	H1.033
Profiles 50x150	H1.035
Profiles 50x200	H1.036
Profiles 100x100	H1.038
Profiles 20x100 synthetic	H1.041
Profiles 20x120 wall profile	H1.042
Hollow profile 40x52	H1.043
Angle profile 100x100	H1.044
Profile lid 50x100–100x100	H1.046
Mopboards	H1.047
Sliding door profiles 30	H1.048
Clip-in profiles	H1.049
Wire-framing profile	H1.050
E-trunkings 40x40, 40x80	H1.051

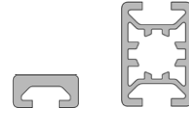
Overview profiles



16x40, 1B



20x40, 6A



20x10, 1B

20x30, 2B



30x30, 1B



30x30, 2B,
Corner



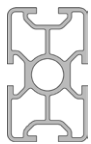
30x30, 2B



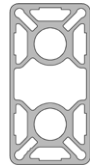
30x30, 3B



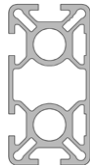
30x30, 4B



30x50, 4B



30x60, 0B



30x60, 4B



30x60, 6B



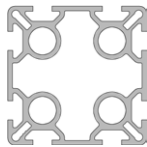
30x100, 0B



30x100, 5B



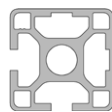
30x100, 8B



60x60, 8B



40x40, 1C



40x40, 2C,
Corner



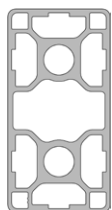
40x40, 2C



40x40, 3C



40x40, 4C



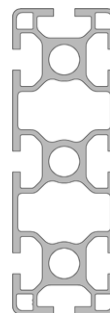
40x80, 0C



40x80, 3C

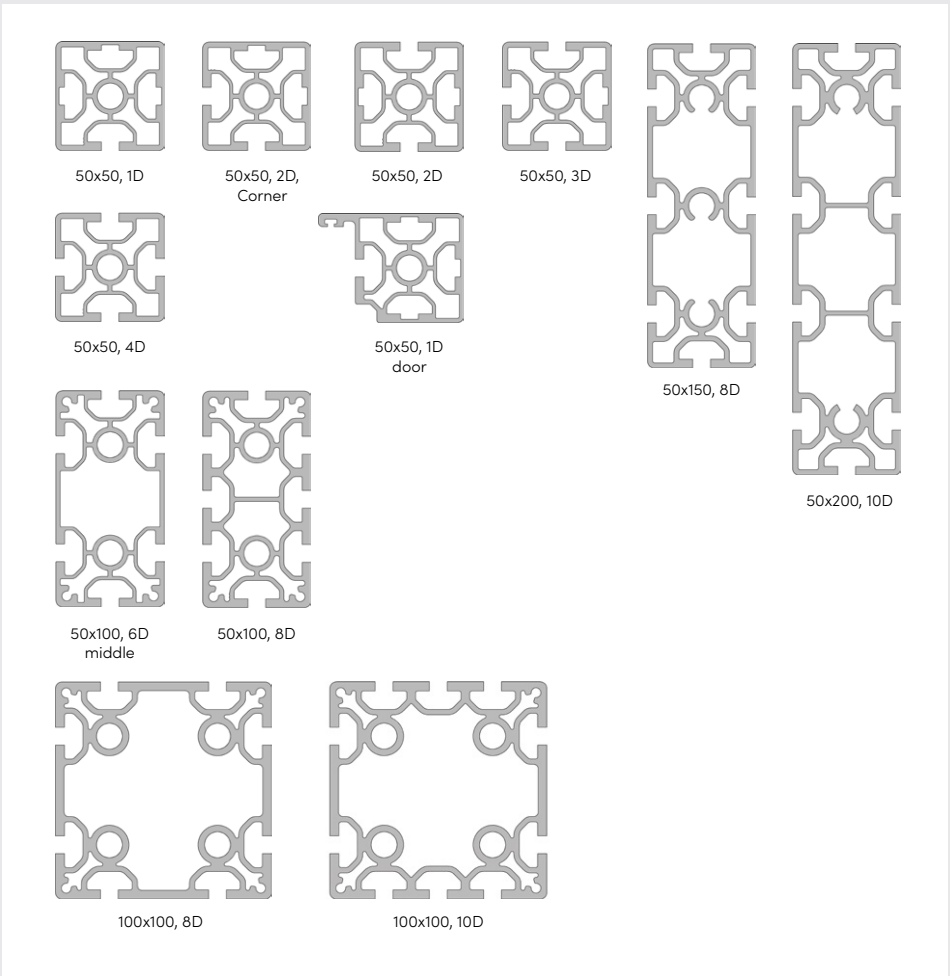
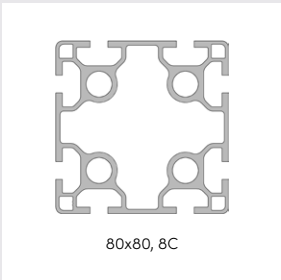


40x80, 6C



40x120, 8C

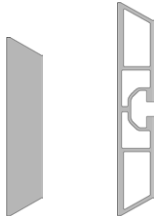
Overview profiles



Special profiles

00
Special

Wall
profile

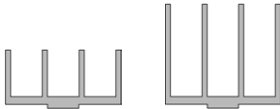


20x100,
Synthetic

20x120, 1D
Wall profile

00
Special

Sliding
profile

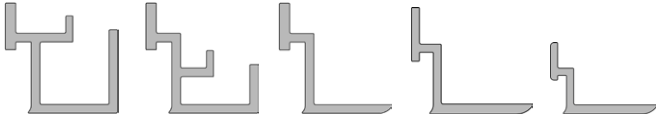


30x15
Sliding profile

30x27
Sliding profile

00
Special

Clip-in
profile



32x32
standard

32x32
low

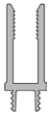
32x32
flat

27x31
flat

19x29
flat

00
Special

Wire-
Framing
profile



30x15
Sliding profile

00
Special

Lid /
Socket



50x100
Profile lid

13x60
Mopboard

13x80
Mopboard

13x100
Mopboard

00
Special

Hollow/
Angle
profile



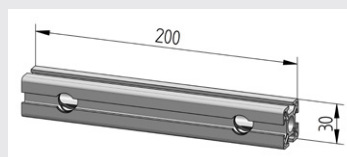
Hollow profile
40x52

Angle Profile
100x100

Profile machining

Code description of order number for profiles with machining

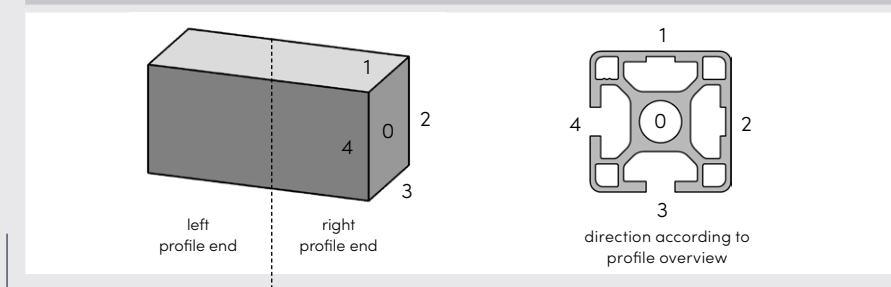
WP.10.030030.B41	AA4AA4	/	0200
article number	machining code	/	length [mm]



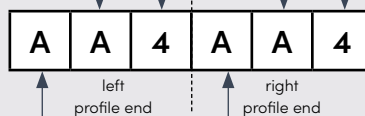
Number of connector bores

1 = A	6 = F
2 = B	7 = G
3 = C	8 = H
4 = D	9 = J
5 = E	10 = K
0 = without machining	

Side position description



1. choose cut
2. numbers of connectors per side
3. choose position



Cut

Price group 1		Price group 2		Price group 3	
 A	16x40	 F	30x100	 L	50x150
 B	20x30	 G	40x80	 M	50x200
 C	20x40	 H	40x120	 N	50x250
 D	30x30	 J	50x100	 O	80x80
 E	30x50	 K		 P	100x100
	30x60				
	40x40				
	50x50				

All angle cuts = 45° Non-standard angles will be completed as per drawing (+00)

Order examples

Projection method:

AA1AA2



FB1F00



AL0BA2



FB2F00

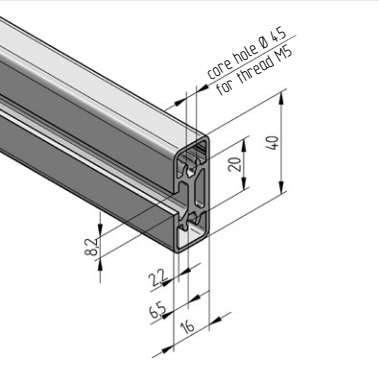


Special machining

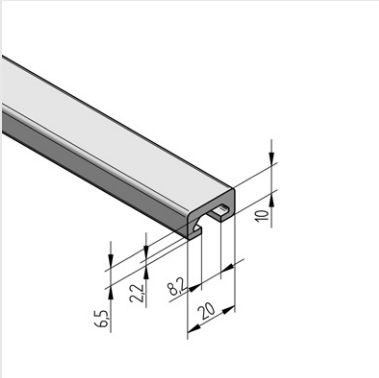
A A 4 A 0 0 +00

Special machining has to be marked with +00, Drawing is required

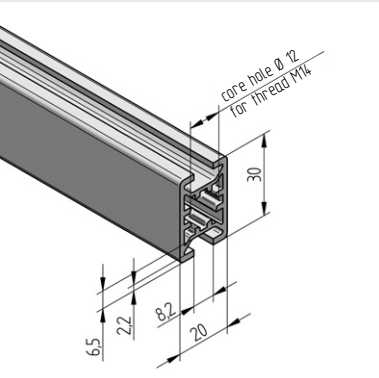
Profiles 16x40

	Description	Article No. single bar 6 m	Article No. packing unit 120 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 16 x 40, 1B	WP.10.016040.B11.E	WP.10.016040.B11.P	3.6	0.8	1.8	0.7	0.76

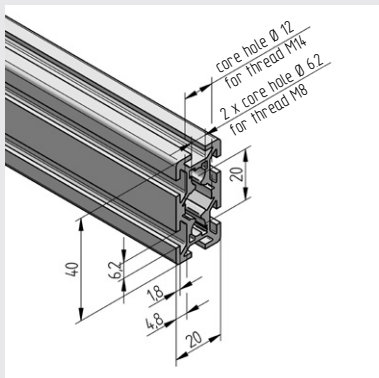
Profiles 20x10

	Description	Article No. single bar 6 m	Article No. packing unit 60 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 20 x 10, 1B	WP.10.020010.B11.E	WP.10.020010.B11.P	0.1	0.6	0.3	0.6	0.34

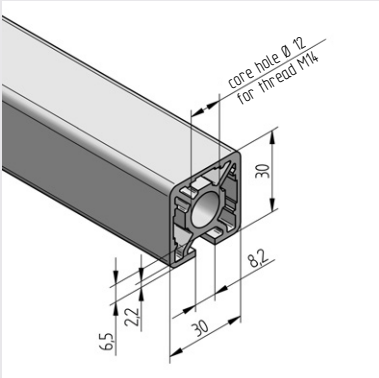
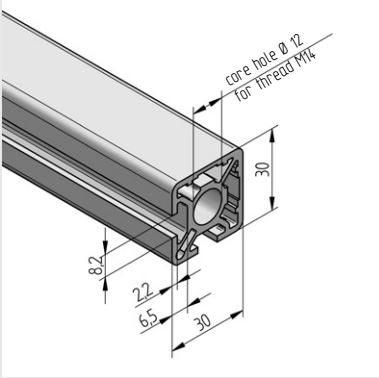
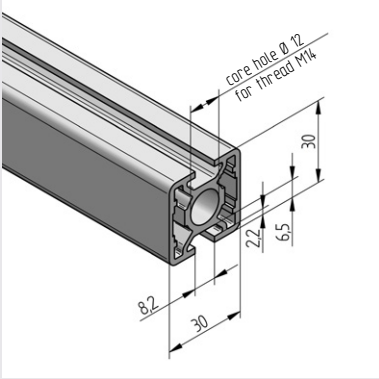
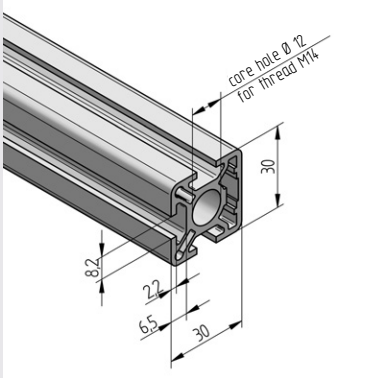
Profiles 20x30

	Description	Article No. single bar 6 m	Article No. packing unit 60 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 20 x 30, 2B	WP.10.020030.B21.E	WP.10.020030.B21.P	1.9	1.3	1.3	1.3	0.62

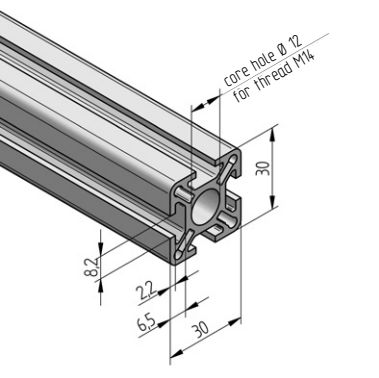
Profiles 20x40

	Description	Article No. single bar 6 m	Article No. packing unit 60 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 20 x 40, 6A	WP.10.020040.A61.E	WP.10.020040.A61.P	4.9	1.4	2.5	1.4	0.87

Profiles 30x30

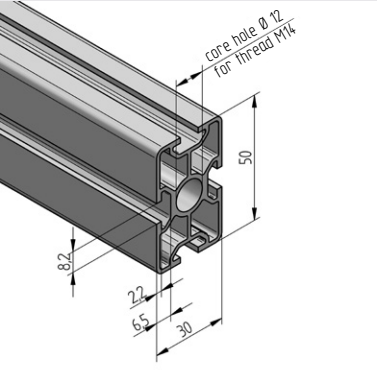
	Description	Article No. single bar 6 m	Article No. packing unit 60 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 30 x 30, 1B	WP.10.030030.B11.E	WP.10.030030.B11.P	3.5	3.6	2.3	2.4	1.03
	Profile 30 x 30, 2B, corner	WP.10.030030.B21.E	WP.10.030030.B21.P	3.4	3.4	2.3	2.3	1.01
	Profile 30 x 30, 2B	WP.10.030030.B23.E	WP.10.030030.B23.P	3.2	3.5	2.1	2.3	0.98
	Profile 30 x 30, 3B	WP.10.030030.B31.E	WP.10.030030.B31.P	3.3	3.2	2.2	2.1	0.98

Profiles 30x30



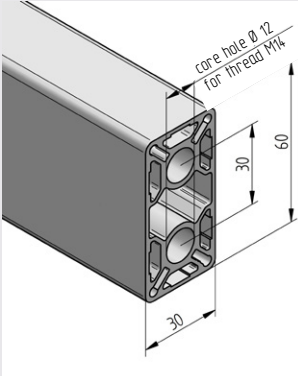
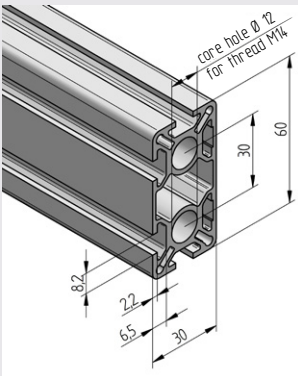
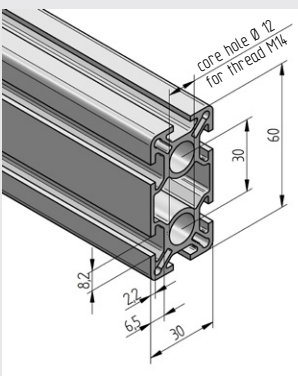
Description	Article No. single bar 6 m	Article No. packing unit 60 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
Profile 30 x 30, 4B	WP10.030030.B41.E	WP10.030030.B41.P	3.2	3.2	2.1	2.1	0.98

Profiles 30x50

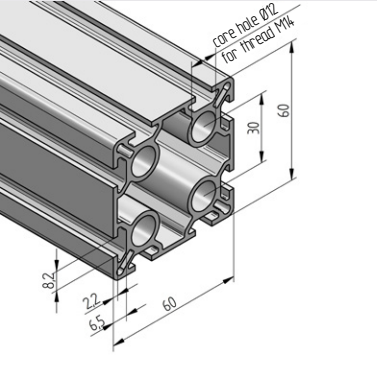


Description	Article No. single bar 6 m	Article No. packing unit 36 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
Profile 30 x 50, 4B	WP10.030050.B41.E	WP10.030050.B41.P	10.2	4.2	4.1	2.8	1.19

Profiles 30x60

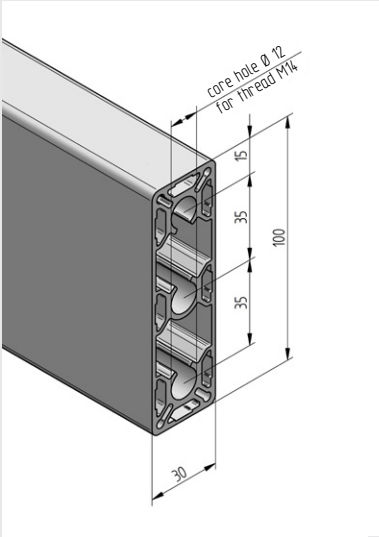
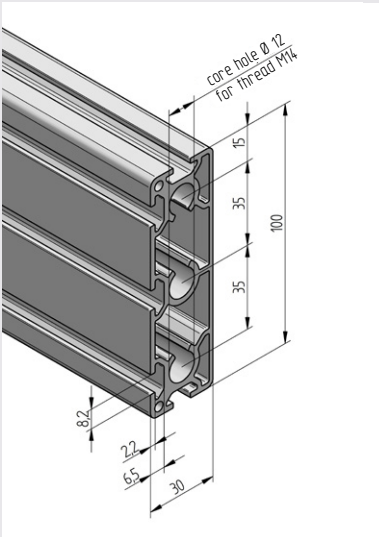
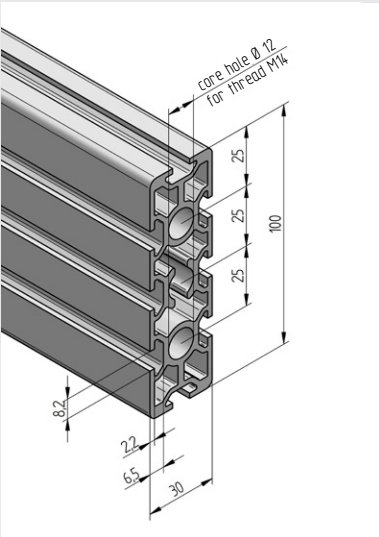
	Description	Article No. single bar 6 m	Article No. packing unit 36 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 30 x 60, 0B	WP.10.030060.B01.E	WP.10.030060.B01.P	25.9	6.6	8.8	4.4	1.8
	Profile 30 x 60, 4B	WP.10.030060.B41.E	WP.10.030060.B41.P	23.2	6.0	7.7	4.0	1.66
	Profile 30 x 60, 6B	WP.10.030060.B61.E	WP.10.030060.B61.P	22.6	5.5	7.5	3.7	1.6

Profiles 60x60

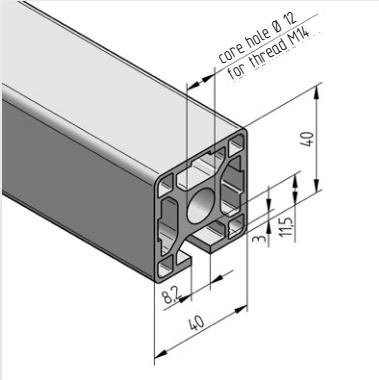
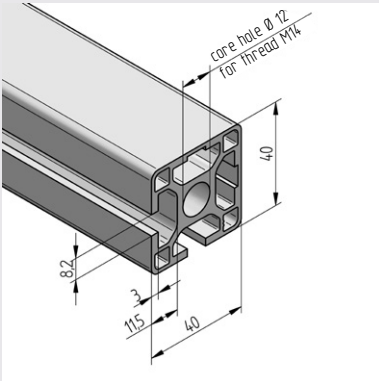
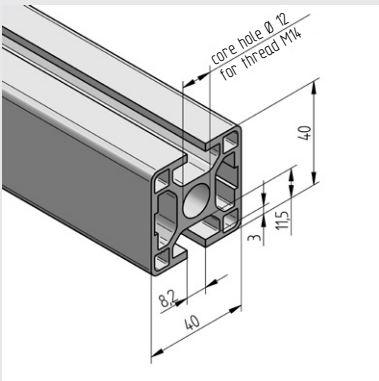
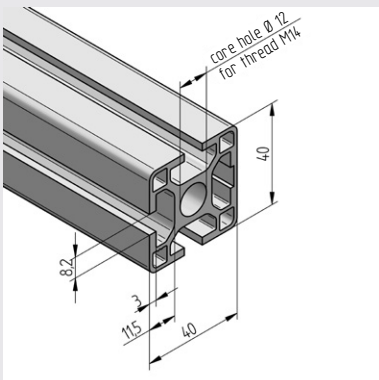


Description	Article No. single bar 6 m	Article No. packing unit 24 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
Profile 60 x 60, 8B	WP.10.060060.B81.E	WP.10.060060.B81.P	39.3	39.3	13.1	13.1	2.6

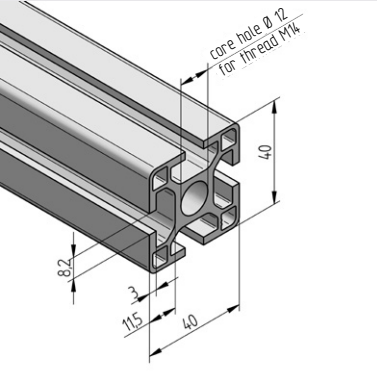
Profiles 30x100

	Description	Article No. single bar 6 m	Article No. packing unit 24 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 30 x 100, 0B	WP.10.030100.B01.E	WP.10.030100.B01.P	105.1	10.5	21.0	7.0	2.55
	Profile 30 x 100, 5B	WP.10.030100.B51.E	WP.10.030100.B51.P	97.2	9.9	19.4	6.6	2.47
	Profile 30 x 100, 8B	WP.10.030100.B81.E	WP.10.030100.B81.P	105.8	10.5	21.2	7.0	2.97

Profiles 40x40

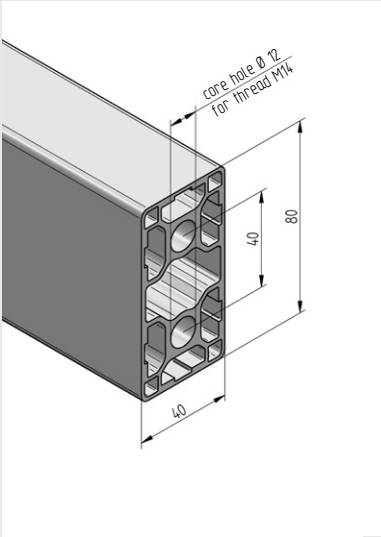
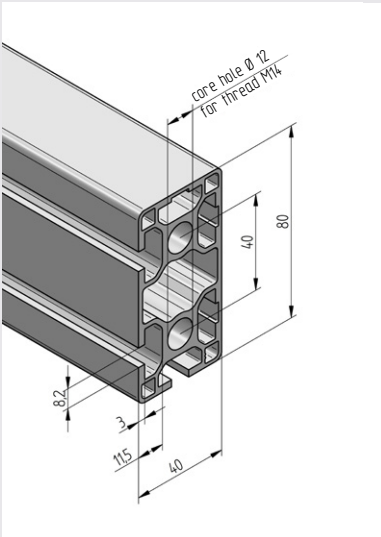
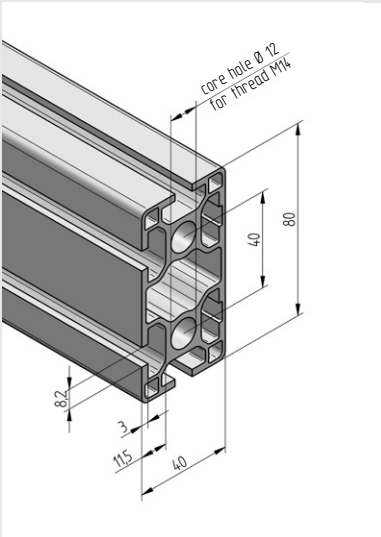
	Description	Article No. single bar 6 m	Article No. packing unit 48 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 40 x 40, 1C	WP.10.040040.C11.E	WP.10.040040.C11.P	9.2	9.6	4.6	4.8	1.64
	Profile 40 x 40, 2C, corner	WP.10.040040.C21.E	WP.10.040040.C21.P	9.1	9.1	4.6	4.6	1.61
	Profile 40 x 40, 2C	WP.10.040040.C23.E	WP.10.040040.C23.P	8.7	9.6	4.4	4.8	1.61
	Profile 40 x 40, 3C	WP.10.040040.C31.E	WP.10.040040.C31.P	8.7	9.1	4.4	4.6	1.58

Profiles 40x40



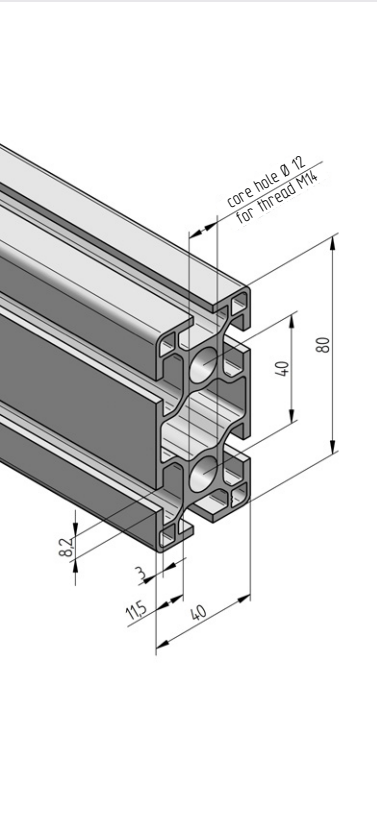
Description	Article No. single bar 6 m	Article No. packing unit 48 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
Profile 40 x 40, 4C	WP.10.040040.C41.E	WP.10.040040.C41.P	8.7	8.7	4.4	4.4	1.54

Profiles 40x80

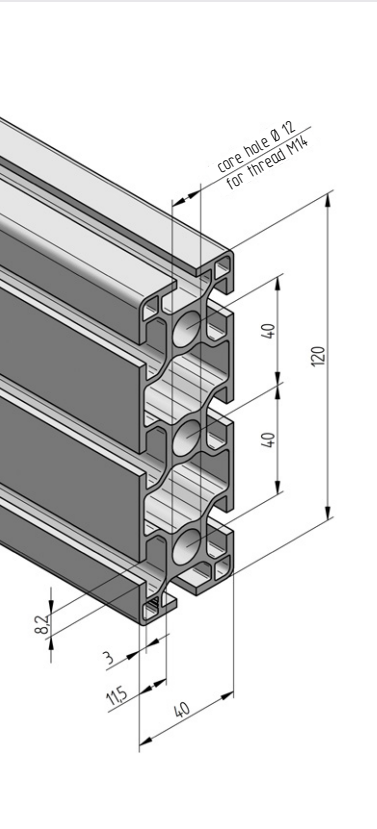
	Description	Article No. single bar 6 m	Article No. packing unit 24 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 40 x 80, 0C	WP10.040080.C01.E	WP10.040080.C01.P	67.1	17.9	16.8	9.0	2.8
	Profile 40 x 80, 3C, corner	WP10.040080.C31.E	WP10.040080.C31.P	64.2	17.0	16.1	8.5	2.7
	Profile 40 x 80, 4C	WP10.040080.C41.E	WP10.040080.C41.E	64.0	18.0	16.0	9.0	2.7

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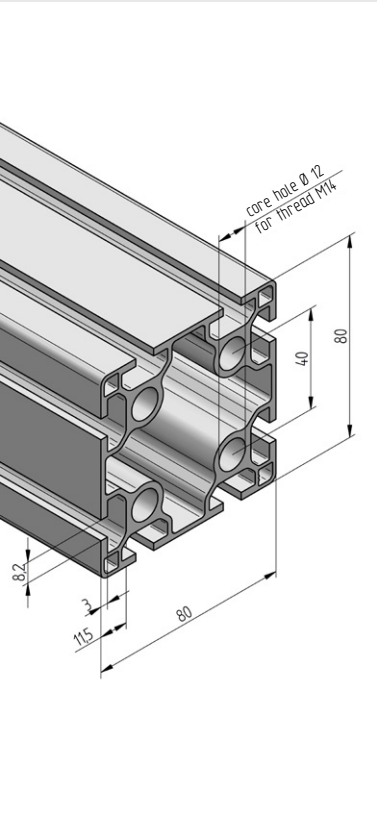
Profiles 40x80

	Description	Article No. single bar 6 m	Article No. packing unit 24 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 40 x 80, 6C	WP.10.040080.C61.E	WP.10.040080.C61.P	61.3	16.1	15.3	8.1	2.6

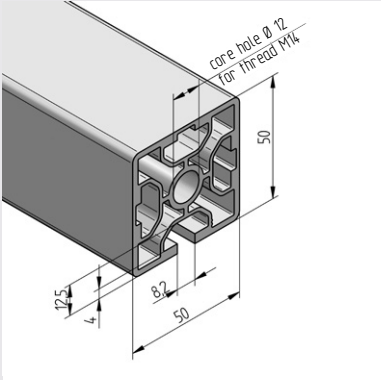
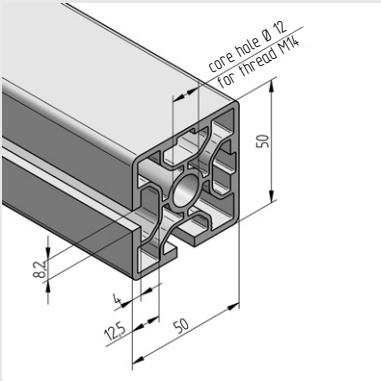
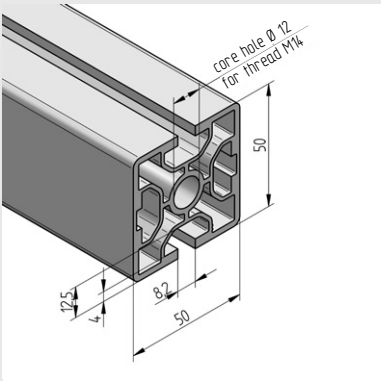
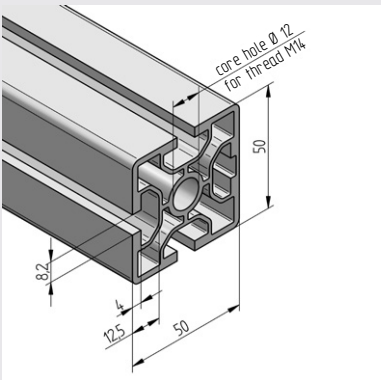
Profiles 40x120

	Description	Article No. single bar 6 m	Article No. packing unit 12 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 40 x 120, 8C	WP.10.040120.C81.E	WP.10.040120.C81.P	191.2	23.6	31.9	11.8	3.7

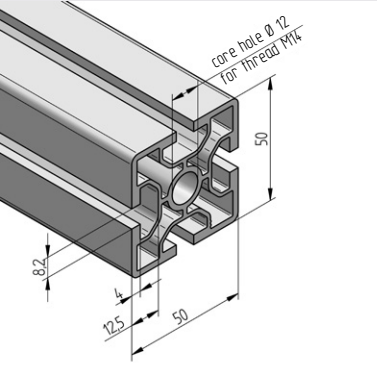
Profiles 80x80

	Description	Article No. single bar 6 m	Article No. packing unit 12 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 80 x 80, 8C	WP10.080080.C81.E	WP10.080080.C81.P	1076	1076	26.9	26.9	4.01

Profiles 50x50

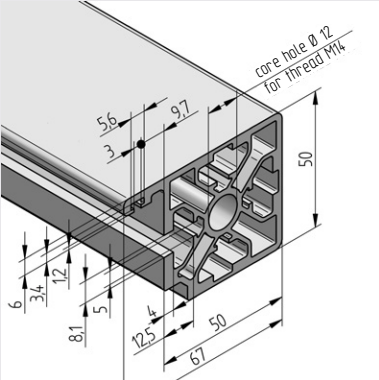
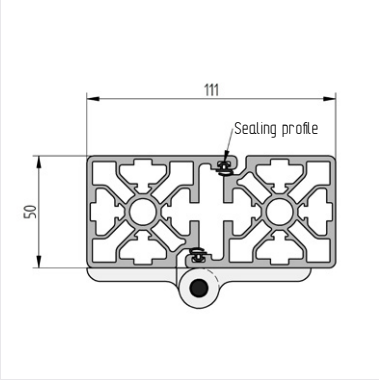
	Description	Article No. single bar 6 m	Article No. packing unit 36 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 50 x 50, 1D	WP.10.050050.D11.E	WP.10.050050.D11.P	21.8	22.5	8.7	9.0	2.29
	Profile 50 x 50, 2D, corner	WP.10.050050.D21.E	WP.10.050050.D21.P	21.8	21.8	8.7	8.7	2.26
	Profile 50 x 50, 2D	WP.10.050050.D23.E	WP.10.050050.D23.P	21.1	22.5	8.4	9.0	2.26
	Profile 50 x 50, 3D	WP.10.050050.D31.E	WP.10.050050.D31.P	21.1	21.8	8.4	8.7	2.22

Profiles 50x50

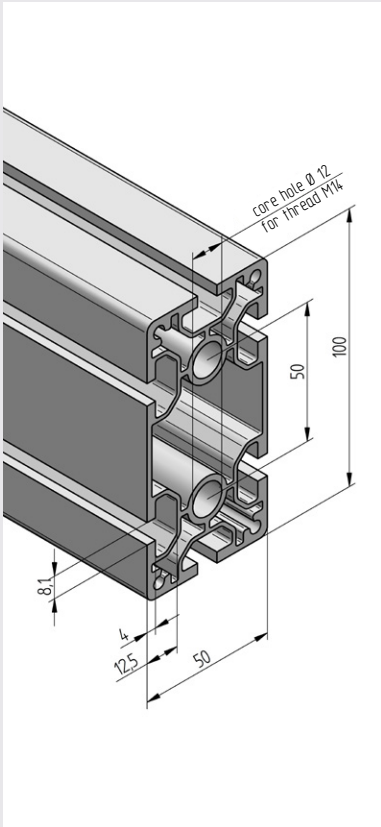
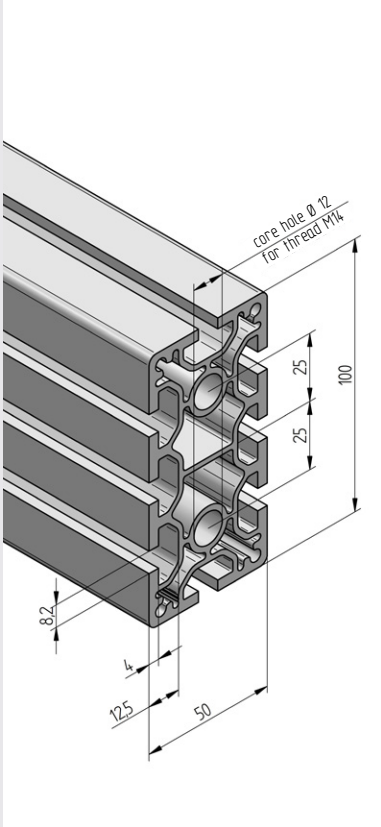


Description	Article No. single bar 6 m	Article No. packing unit 36 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
Profile 50 x 50, 4D	WP10.050050.D41.E	WP10.050050.D41.P	21.1	21.1	8.4	8.4	2.19

Profiles 50x50 door

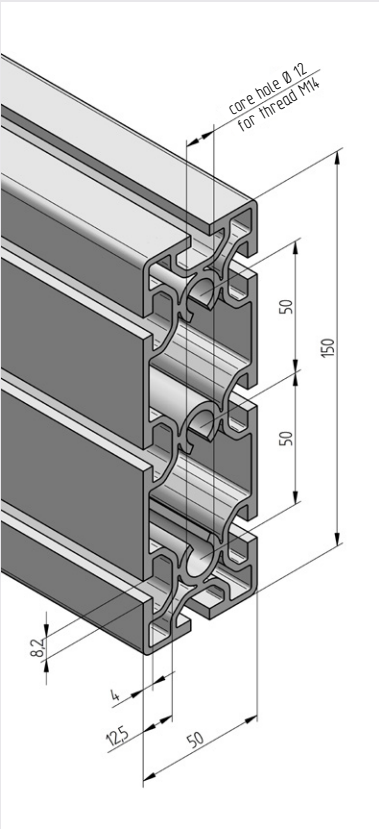
	Description	Article No. single bar 6 m	Article No. packing unit 36 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 50 x 50, 1D, door	WP.10.050050.D12.E	WP.10.050050.D12.P	23.8	27.7	8.8	7.0	2.39
	Mounting door profile External dimension: 111 mm Sealing profile:	WZ.41.900.02.E						

Profiles 50x100

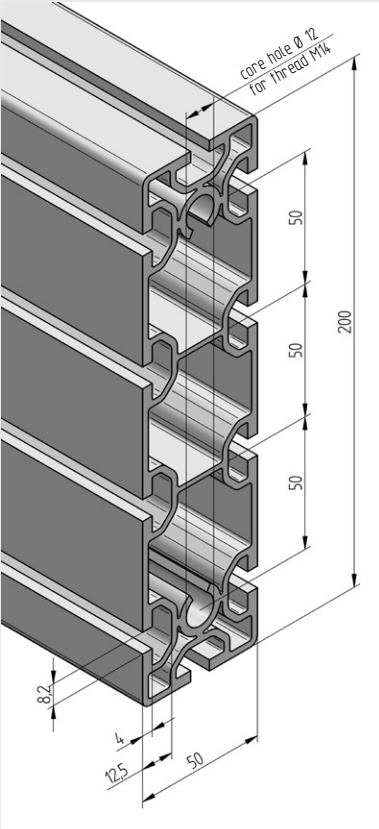
	Description	Article No. single bar 6 m	Article No. packing unit 18 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 50 x 100, 6D, middle	WP.10.050100.D61M.E	WP.10.050100.D61M.P	157.8	39.1	31.6	15.6	3.6
	Profile 50 x 100, 8D	WP.10.050100.D81.E	WP.10.050100.D81.P	175.7	47.2	35.1	18.9	4.61

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Profiles 50x150

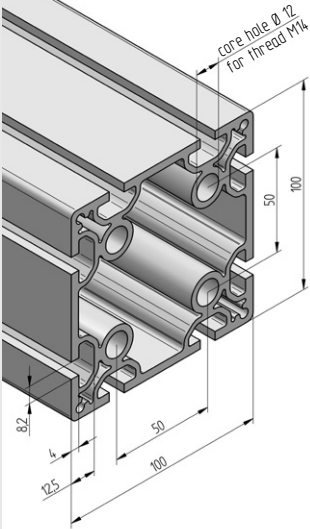
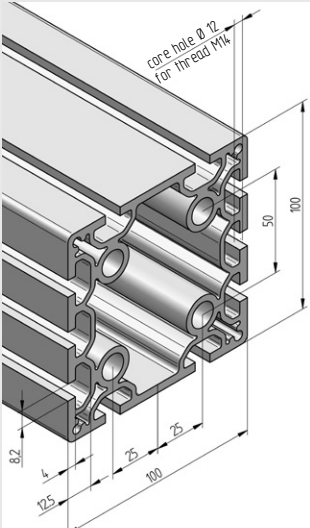
	Description	Article No. single bar 6 m	Article No. packing unit 12 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 50 x 150, 8D	WP.10.050150.D81.E	WP.10.050150.D81.P	476.2	57.9	63.5	23.1	5.30

Profiles 50x200

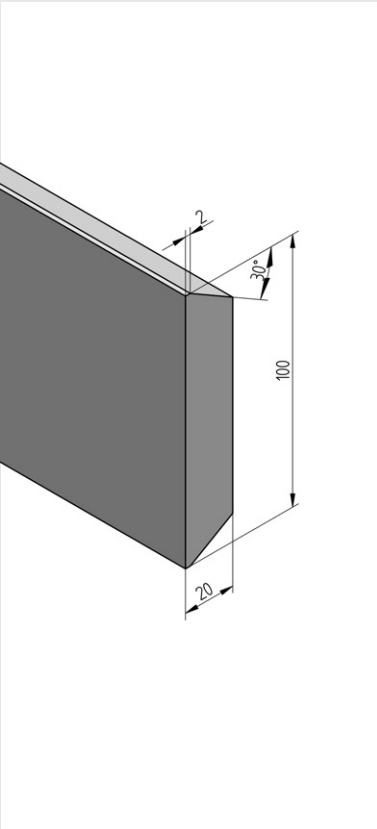


Description	Article No. single bar 6 m	Article No. packing unit 12 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
Profile 50 x 200, 10D	WP.10.050200.D101.E	WP.10.050200.D101.P	1115.8	79.9	111.6	32.0	6.89

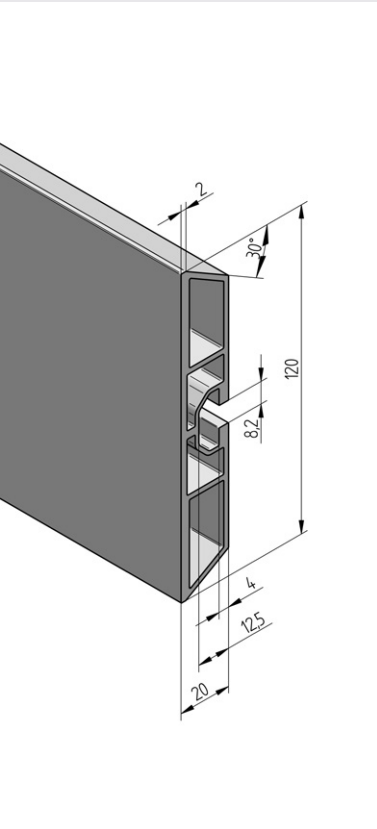
Profiles 100x100

	Description	Article No. single bar 6 m	Article No. packing unit 12 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 100 x 100, 8D	WP.10.100100.D81.E	WP.10.100100.D81.P	325.2	325.2	65	65	7.17
	Profile 100 x 100, 10D	WP.10.100100.D101.E	WP.10.100100.D101.P	336	327	67.2	65.4	7.46

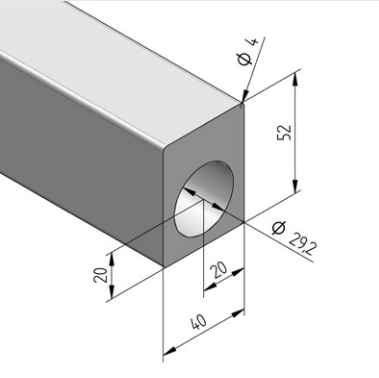
Profile 20x100 synthetic

	Description	Article No. single bar 6 m	Article No. packing unit 24 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 20 x 100, synthetic (HDPE)	WP.12.020100.010.E	WP.12.020100.010.P	126.0	6.0	25.2	6.0	1.76

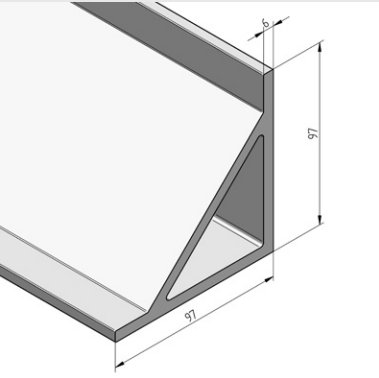
Profile 20x120 wall profile

	Description	Article No. single bar 6 m	Article No. packing unit 24 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile 20 x 120, 1D	WP.10.020120.D11.E	WP.10.020120.D11.P	89.3	4.5	14.9	3.1	2.1

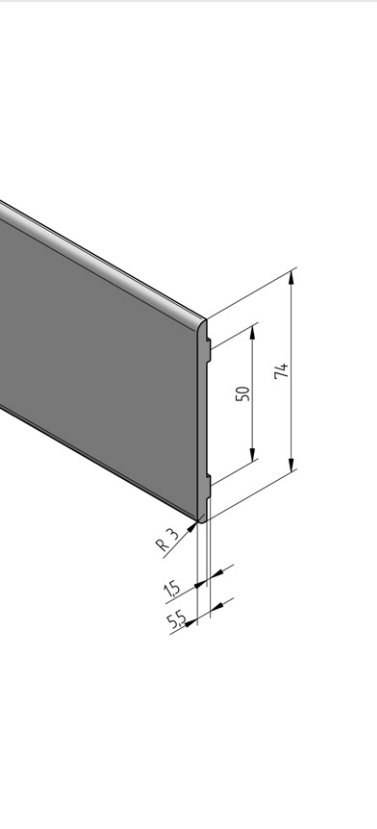
Hollow profile 40x52

	Description	Article No. single bar 6 m	Article No. packing unit 12m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Hollow profile 40x52 Ø30, 0B	WP.10.040052.030.E	-	39.5	24.0	13.7	12.0	3.80

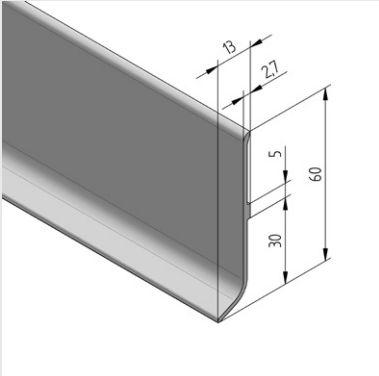
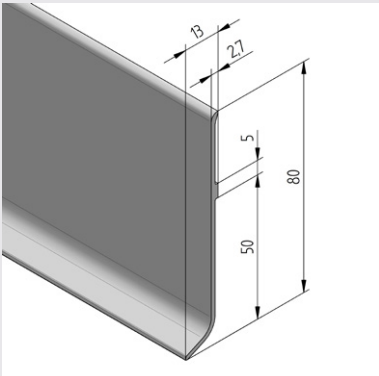
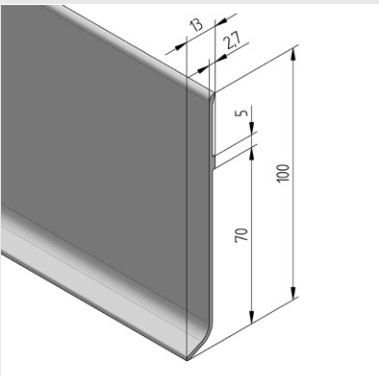
Angle profile 100x100

	Description	Article No. single bar 6 m	Article No. packing unit 12m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Angle profile 100x100	WP.11.100100.011.E	WP.11.100100.011.P	132.5	132.5	19.6	19.6	4.6

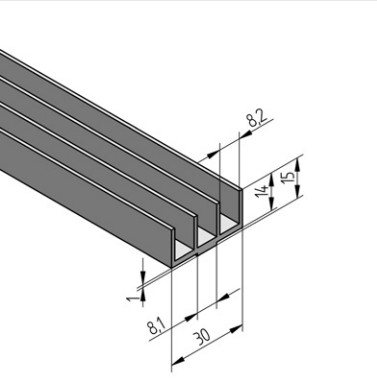
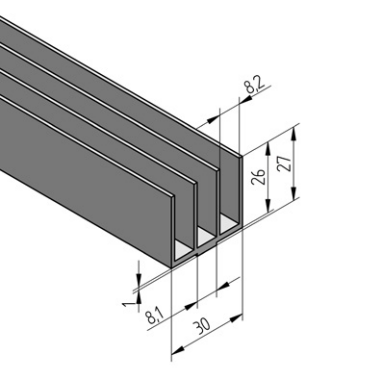
Profile lids 50x100–100x100

	Description	Article No. single bar 6 m					
			Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Profile lid 50 x 100	WP.12.050100.010.E	14.5	0.1	3.9	0.3	0.85
	Profile lid 100 x 100						

Mopboards

	Description	Article No. single bar 6 m	Article No. packing unit 60 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Mopboard 60	WP.12.013060.010.E	WP.12.013060.010.P	3.7	0.07	1.2	0.07	0.29
	Mopboard 80	WP.12.013080.010.E	WP.12.013080.010.P	7.7	0.07	1.9	0.07	0.37
	Mopboard 100	WP.12.013100.010.E	WP.12.013100.010.P	14.9	0.07	2.9	0.07	0.45

Sliding profiles 30

	Description	Article No. single bar 6 m		$I_x \text{ cm}^4$	$I_y \text{ cm}^4$	$W_x \text{ cm}^3$	$W_y \text{ cm}^3$	kg/m
	Sliding profile 30 x 15	WP.11.015030.030.E		0.3	1.2	0.3	0.8	0.36
	Sliding profile 30 x 27	WP.11.027030.030.E		1.4	1.9	0.9	1.0	0.53

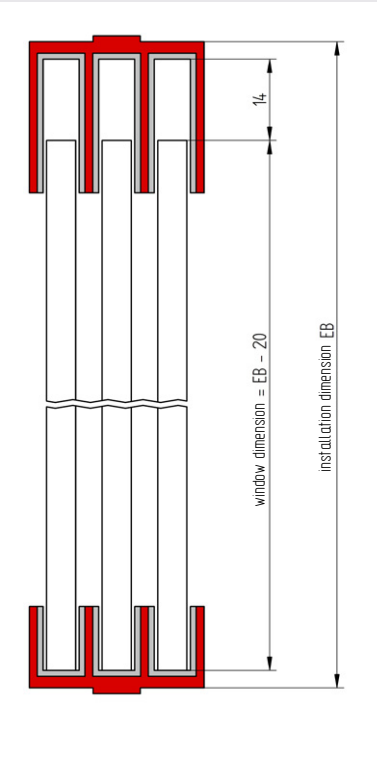
Comments:

The assembly dimension is the distance between the sliding profiles.
The leading edge runs off in the slot of the sliding profile.

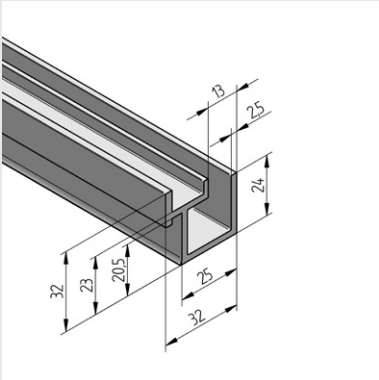
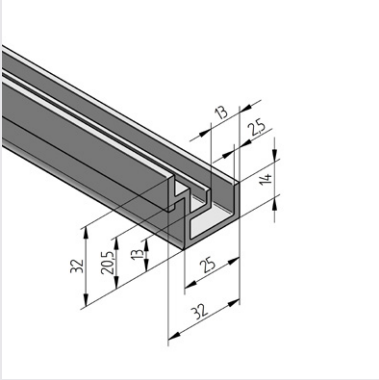
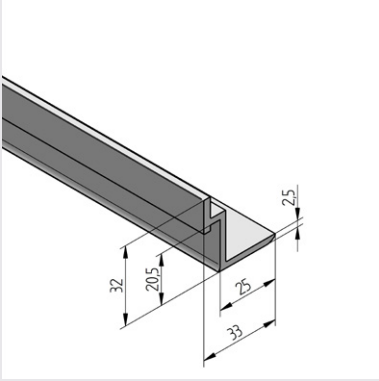
Material thickness of the slider: 5-6 mm

Combination profile PP top: WZ.41.411.00.E

Combination profile PP bottom: WZ.41.412.00.E



Clip-in profiles

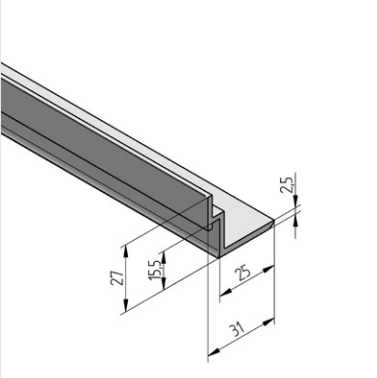
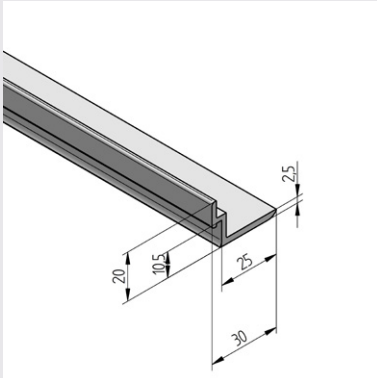
	Description	Article No. single bar 6 m	Article No. packing unit 60 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Clip-in profile D standard	WP.11.032032.010.E	WP.11.032032.010.P	2.3	3.0	1.4	1.9	0.69
	Clip-in profile D low	WP.11.032032.011.E	WP.11.032032.011.P	1.9	2.3	1.1	1.4	0.62
	Clip-in profile D flat	WP.11.032032.012.E	WP.11.032032.012.P	1.7	1.2	1.1	0.7	0.44



Comments:

Clip-in profiles can be used for gridsizes: 50x50, 50x100, 100x100.

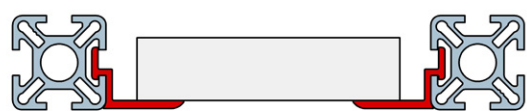
Clip-in profiles

	Description	Article No. single bar 6 m	Article No. packing unit 60 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Clip-in profile C flat	WP.11.027031.012.E	WP.11.027031.012.P	0.8	0.9	0.04	0.05	0.34
	Clip-in profile B flat	WP.11.019029.012E	WP.11.019029.012.P	0.33	0.77	0.03	0.04	0.29



Comments WP.11.027031.012.E:

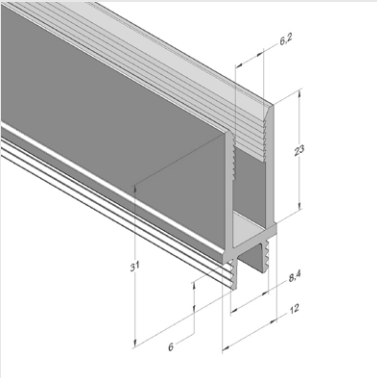
Clip-in profiles can be used for gridsizes: 40x40, 40x80, 80x80.



Comments WP.11.019029.012.E:

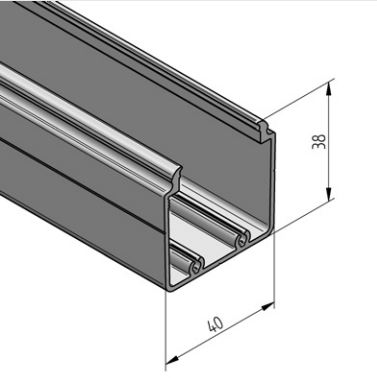
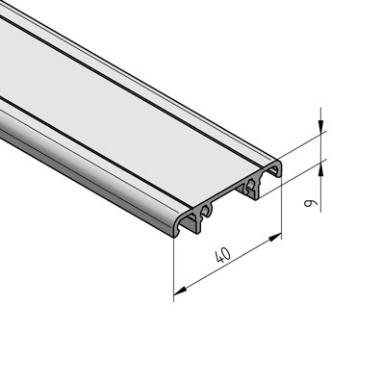
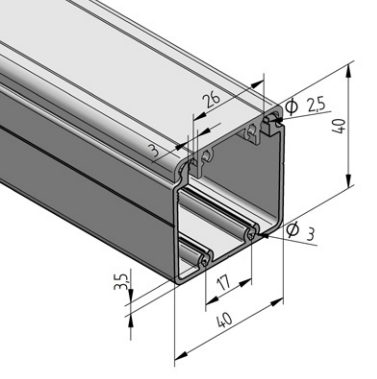
Clip-in profiles can be used for gridsizes: 30x30, 30x60, 60x60.

Wire-framing profile

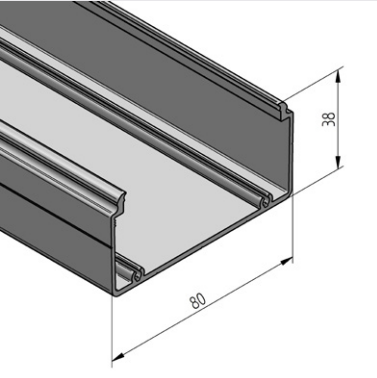
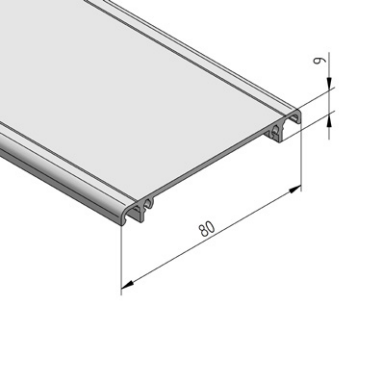
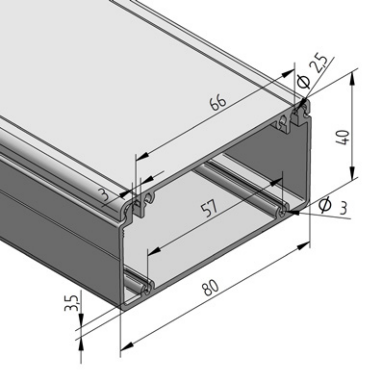
	Description	Article No. single bar 6 m	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	Wire-framing profile, 31 x 12	WP.11.012031.010.E	0.9	0.2	0.6	0.3	0.34

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E-trunking 40x40

	Description	Article No. single bar 6 m		Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	E-trunking 40x40	WP12.040040.010.E		3.9	5.6	1.6	2.8	0.6
	E-trunking 40x40 cover	WP12.040040.011.E		0.06	1.65	0.09	0.83	0.31
	Assembled							

E-trunking 40x80

	Description	Article No. single bar 6 m					
			Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³	kg/m
	E-trunking 40x80	WP12.040080.010.E	5.0	29.4	1.8	7.35	0.84
	E-trunking 40x80 cover	WP12.040080.011.E	0.07	12.6	0.1	3.15	0.54
	Assembled						



CONTENT CONNECTORS

Connectors Universal 30–50 [H2.004](#)

Connectors Standard 30–50 [H2.005](#)

Connectors Standard 90° 30–50 [H2.006](#)

Connectors Screw-type 30–50 [H2.007](#)

Connectors Oblique L+R 30–50 [H2.008](#)

Connectors Oblique L+R 90° 30–50 [H2.009](#)

Connectors Parallel square 30–50 [H2.010](#)

Anchor Parallel square 30–50 [H2.011](#)

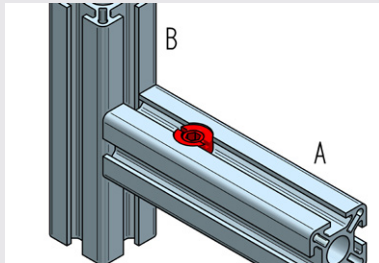
Connector Extensions 30–50 [H2.012](#)

Connectors Miter 30–50 [H2.013](#)

Connectors Miter 90° 30–50 [H2.014](#)

Connector Accessories 30–50 [H2.015](#)

Connectors Universal 30–50

**Technical data:**

Universal, with earthing

material:

max. tensile strength:

surface:

clamping torque:

Quantity unit:

E =

P =

9SMnPb28K

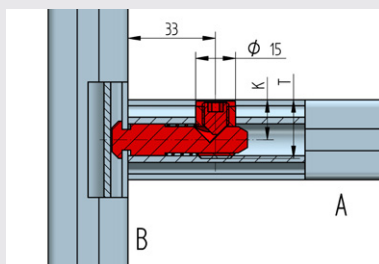
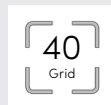
460 – 710 N/mm²

galvanised

 $M_{Amax} = 30 \text{ Nm}$

1 piece

100 pcs

**Technical data:**

Universal VA

material:

max. tensile strength:

surface:

clamping torque:

Quantity unit:

E =

P =

stainless steel 1.4305

490 – 685 N/mm²

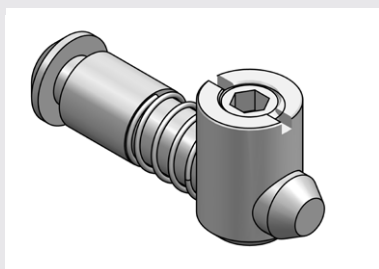
pickled and passivated

 $M_{Amax} = 30 \text{ Nm}$

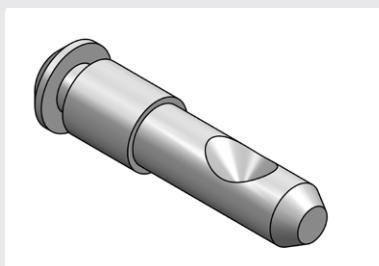
1 piece

100 pcs

$K_{30} = 15$	$K_{40} = 20$	$K_{50} = 25$
$T_{30} = 23$	$T_{40} = 28$	$T_{50} = 33$

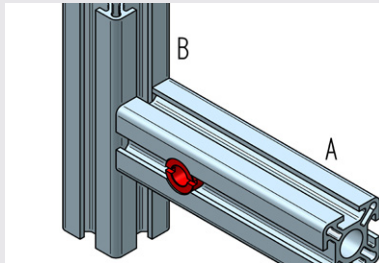


Connectors	A	B	Wt	Universal	Universal VA	with earthing
Connector 30	30	30	55 g	WZ.20.3012.BF.E(P)	WZ.20.3012.BC.E(P)	WZ.20.3012.BFE.E(P)
Connector 40	40	40	58 g	WZ.20.4012.CDF.E(P)	WZ.20.4012.CDC.E(P)	WZ.20.4012.CDFE.E(P)
Connector 50	50	50	62 g	WZ.20.5012.CDF.E(P)	WZ.20.5012.CDC.E(P)	WZ.20.5012.CDFE.E(P)
Connector 30 – 40	30	40	55 g	WZ.20.3012.CDF.E(P)	WZ.20.3012.CDC.E(P)	WZ.20.3012.CDFE.E(P)
Connector 30 – 50	30	50	55 g	WZ.20.3012.CDF.E(P)	WZ.20.3012.CDC.E(P)	WZ.20.3012.CDFE.E(P)
Connector 40 – 30	40	30	58 g	WZ.20.4012.BF.E(P)	WZ.20.4012.BC.E(P)	WZ.20.4012.BFE.E(P)
Connector 40 – 50	40	50	58 g	WZ.20.4012.CDF.E(P)	WZ.20.4012.CDC.E(P)	WZ.20.4012.CDFE.E(P)
Connector 50 – 30	50	30	62 g	WZ.20.5012.BF.E(P)	WZ.20.5012.BC.E(P)	WZ.20.5012.BFE.E(P)
Connector 50 – 40	50	40	62 g	WZ.20.5012.CDF.E(P)	WZ.20.5012.CDC.E(P)	WZ.20.5012.CDFE.E(P)



Anchors	A	B	Wt	Universal	Universal VA	with earthing
Anchor 30	30		33 g	WZ.20.A012.BF.E(P)	WZ.20.A012.BC.E(P)	WZ.20.A012.BFE.E(P)
Anchor 40	40		33 g	WZ.20.A012.CDF.E(P)	WZ.20.A012.CDC.E(P)	WZ.20.A012.CDFE.E(P)
Anchor 50	50		33 g	WZ.20.A012.CDF.E(P)	WZ.20.A012.CDC.E(P)	WZ.20.A012.CDFE.E(P)

Connectors Standard 30–50

**Technical data:**

Standard, with earthing

material:

max. tensile strength:

surface:

clamping torque:

Quantity unit:

E =

P =

9SMnPb28K

460 – 710 N/mm²

galvanised

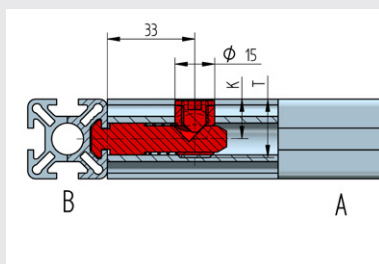
 $M_{Amax} = 30 \text{ Nm}$

1 piece

100 pcs

30
Grid40
Grid50
Grid

H2 Connectors

**Technical data:**

Standard VA

material:

max. tensile strength:

surface:

clamping torque:

Quantity unit:

E =

P =

stainless steel 1.4305

490 – 685 N/mm²

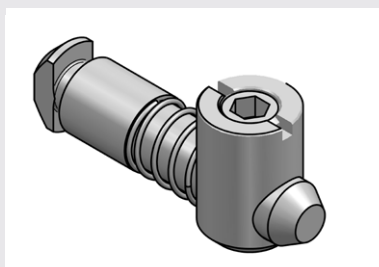
pickled and passivated

 $M_{Amax} = 30 \text{ Nm}$

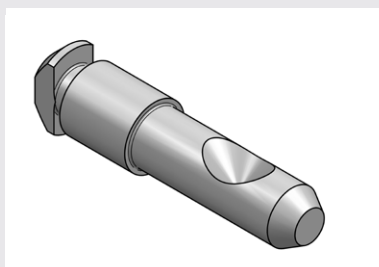
1 piece

100 pcs

$K_{30} = 15$ $K_{40} = 20$ $K_{50} = 25$
 $T_{30} = 23$ $T_{40} = 28$ $T_{50} = 33$

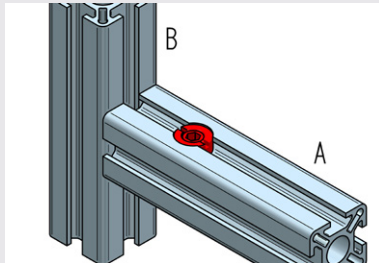


Connectors	A	B	Wt	Standard	Standard VA	with earthing
Connector 30	30	30	54 g	WZ.20.3112.BF.E(P)	WZ.20.3112.BC.E(P)	WZ.20.3112.BFE.E(P)
Connector 40	40	40	57 g	WZ.20.4112.CDF.E(P)	WZ.20.4112.CDC.E(P)	WZ.20.4112.CDFE.E(P)
Connector 50	50	50	61 g	WZ.20.5112.CDF.E(P)	WZ.20.5112.CDC.E(P)	WZ.20.5112.CDFE.E(P)
Connector 30 – 40	30	40	54 g	WZ.20.3112.CDF.E(P)	WZ.20.3112.CDC.E(P)	WZ.20.3112.CDFE.E(P)
Connector 30 – 50	30	50	54 g	WZ.20.3112.CDF.E(P)	WZ.20.3112.CDC.E(P)	WZ.20.3112.CDFE.E(P)
Connector 40 – 30	40	30	57 g	WZ.20.4112.BF.E(P)	WZ.20.4112.BC.E(P)	WZ.20.4112.BFE.E(P)
Connector 40 – 50	40	50	57 g	WZ.20.4112.CDF.E(P)	WZ.20.4112.CDC.E(P)	WZ.20.4112.CDFE.E(P)
Connector 50 – 30	50	30	61 g	WZ.20.5112.BF.E(P)	WZ.20.5112.BC.E(P)	WZ.20.5112.BFE.E(P)
Connector 50 – 40	50	40	61 g	WZ.20.5112.CDF.E(P)	WZ.20.5112.CDC.E(P)	WZ.20.5112.CDFE.E(P)



Anchors	A	Wt	Standard	Standard VA	with earthing
Anchor 30	30	32 g	WZ.20.A112.BF.E(P)	WZ.20.A112.BC.E(P)	WZ.20.A112.BFE.E(P)
Anchor 40	40	35 g	WZ.20.A112.CDF.E(P)	WZ.20.A112.CDC.E(P)	WZ.20.A112.CDFE.E(P)
Anchor 50	50	35 g	WZ.20.A112.CDF.E(P)	WZ.20.A112.CDC.E(P)	WZ.20.A112.CDFE.E(P)

Connectors Standard 90° 30–50

**Technical data:**

Standard 90°, with earthing

material:

9SMnPb28K

max. tensile strength:

460 – 710 N/mm²

surface:

galvanised

clamping torque:

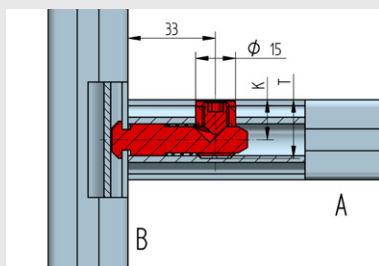
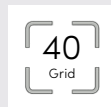
 $M_{Amax} = 30 \text{ Nm}$ **Quantity unit:**

E =

1 piece

P =

100 pcs

**Technical data:**

Standard 90° VA

material:

stainless steel 1.4305

max. tensile strength:

490 – 685 N/mm²

surface:

pickled and passivated

clamping torque:

 $M_{Amax} = 30 \text{ Nm}$ **Quantity unit:**

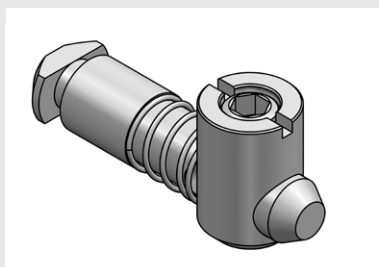
E =

1 piece

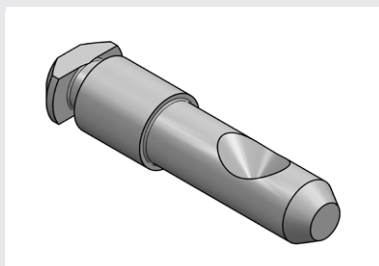
P =

100 pcs

$K_{30} = 15$	$K_{40} = 20$	$K_{50} = 25$
$T_{30} = 23$	$T_{40} = 28$	$T_{50} = 33$

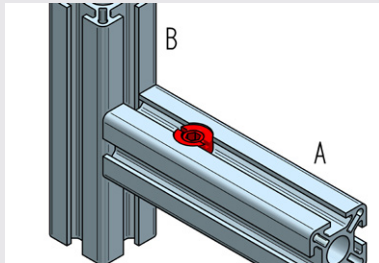


Connectors	A	B	Wt	Standard 90°	Standard 90° VA	with earthing
Connector 30	30	30	54 g	WZ.20.3212.BF.E(P)	WZ.20.3212.BC.E(P)	WZ.20.3212.BFE.E(P)
Connector 40	40	40	57 g	WZ.20.4212.CDF.E(P)	WZ.20.4212.CDC.E(P)	WZ.20.4212.CDFE.E(P)
Connector 50	50	50	61 g	WZ.20.5212.CDF.E(P)	WZ.20.5212.CDC.E(P)	WZ.20.5212.CDFE.E(P)
Connector 30 – 40	30	40	54 g	WZ.20.3212.CDF.E(P)	WZ.20.3212.CDC.E(P)	WZ.20.3212.CDFE.E(P)
Connector 30 – 50	30	50	54 g	WZ.20.3212.CDF.E(P)	WZ.20.3212.CDC.E(P)	WZ.20.3212.CDFE.E(P)
Connector 40 – 30	40	30	57 g	WZ.20.4212.BF.E(P)	WZ.20.4212.BC.E(P)	WZ.20.4212.BFE.E(P)
Connector 40 – 50	40	50	57 g	WZ.20.4212.CDF.E(P)	WZ.20.4212.CDC.E(P)	WZ.20.4212.CDFE.E(P)
Connector 50 – 30	50	30	61 g	WZ.20.5212.BF.E(P)	WZ.20.5212.BC.E(P)	WZ.20.5212.BFE.E(P)
Connector 50 – 40	50	40	61 g	WZ.20.5212.CDF.E(P)	WZ.20.5212.CDC.E(P)	WZ.20.5212.CDFE.E(P)



Anchors	A	Wt	Standard 90°	Standard 90° VA	with earthing
Anchor 30	30	32 g	WZ.20.A212.BF.E(P)	WZ.20.A212.BC.E(P)	WZ.20.A212.BFE.E(P)
Anchor 40	40	35 g	WZ.20.A212.CDF.E(P)	WZ.20.A212.CDC.E(P)	WZ.20.A212.CDFE.E(P)
Anchor 50	50	35 g	WZ.20.A212.CDF.E(P)	WZ.20.A212.CDC.E(P)	WZ.20.A212.CDFE.E(P)

Connectors Screw-type 30–50

**Technical data:**

Screw-type

material:

9SMnPb28K

max. tensile strength:

460 – 710 N/mm²

surface:

galvanised

clamping torque:

 $M_{Amax} = 30 \text{ Nm}$ **Quantity unit:**

E =

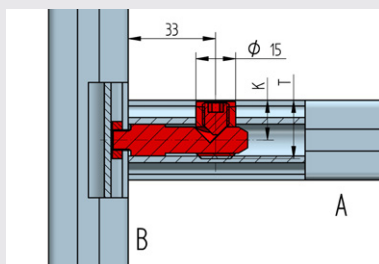
1 piece

P =

100 pcs

30
Grid40
Grid50
Grid

H2 Connectors

**Technical data:**

Screw-type VA

material:

stainless steel 1.4305

max. tensile strength:

490 – 685 N/mm²

surface:

pickled and passivated

clamping torque:

 $M_{Amax} = 30 \text{ Nm}$ **Quantity unit:**

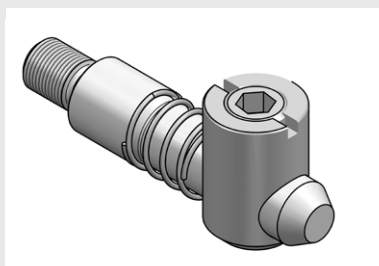
E =

1 piece

P =

100 pcs

$K_{20} = 10$ $K_{30} = 15$ $K_{40} = 20$ $K_{50} = 25$
 $T_{20} = 14.5$ $T_{30} = 23$ $T_{40} = 28$ $T_{50} = 33$

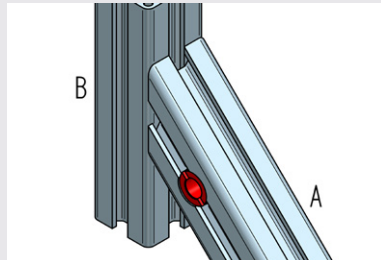


Connectors	A	B	Wt	Screw-type	Screw-type VA
Connector 30, M8x10	30	30	45 g	WZ.20.3312.BF.E(P)	WZ.20.3312.BC.E(P)
Connector 40, M8x10	40	40	53 g	WZ.20.4312.CDF.E(P)	WZ.20.4312.CDC.E(P)
Connector 50, M8x10	50	50	57 g	WZ.20.5312.CDF.E(P)	WZ.20.5312.CDC.E(P)



Anchors	A	Wt	Screw-type	Screw-type VA
Anchor 30, M8x10	30	32 g	WZ.20.A312.BCDF.E(P)	WZ.20.A312.BCDC.E(P)
Anchor 40, M8x10	40	32 g	WZ.20.A312.BCDF.E(P)	WZ.20.A312.BCDC.E(P)
Anchor 50, M8x10	50	32 g	WZ.20.A312.BCDF.E(P)	WZ.20.A312.BCDC.E(P)

Connectors Oblique L+R 30–50


Technical data:

Oblique L+R

material:

9SMnPb28K

max. tensile strength:

460 – 710 N/mm²

surface:

galvanised

clamping torque:

 $M_{Amax} = 30 \text{ Nm}$
Quantity unit:

E =

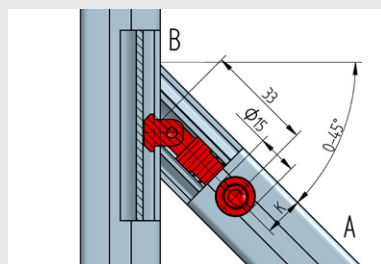
1 piece

P =

100 pcs


 30
Grid


 40
Grid


 50
Grid

Technical data:

Oblique L+R VA

material:

stainless steel 1.4305

max. tensile strength:

490 – 685 N/mm²

surface:

pickled and passivated

clamping torque:

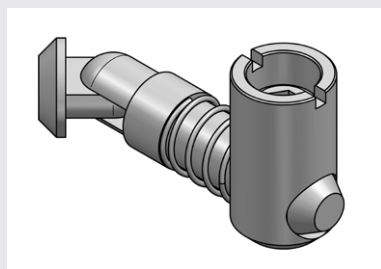
 $M_{Amax} = 30 \text{ Nm}$
Quantity unit:

E =

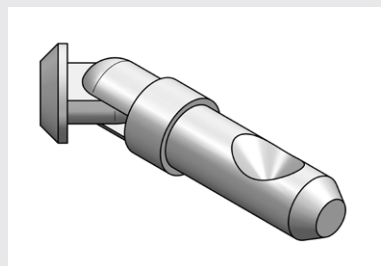
1 piece

P =

100 pcs

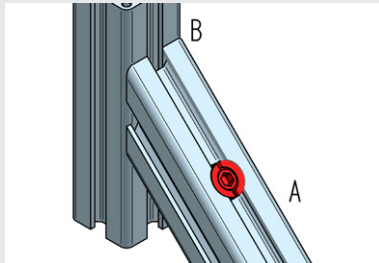
 $K_{30} = 15$ $K_{40} = 20$ $K_{50} = 25$


Connector	A	B	Wt	Oblique L+R	Oblique L+R VA
Connector 30	30	30	52 g	WZ.20.3412.BF.E(P)	WZ.20.3412.BC.E(P)
Connector 40	40	40	63 g	WZ.20.4412.CDF.E(P)	WZ.20.4412.CDC.E(P)
Connector 50	50	50	67 g	WZ.20.5412.CDF.E(P)	WZ.20.5412.CDC.E(P)
Connector 30 – 40	30	40	53 g	WZ.20.3412.CDF.E(P)	WZ.20.3412.CDC.E(P)
Connector 30 – 50	30	50	53 g	WZ.20.3412.CDF.E(P)	WZ.20.3412.CDC.E(P)
Connector 40 – 30	40	30	56 g	WZ.20.4412.BF.E(P)	WZ.20.4412.BC.E(P)
Connector 40 – 50	40	50	64 g	WZ.20.4412.CDF.E(P)	WZ.20.4412.CDC.E(P)
Connector 50 – 30	50	30	60 g	WZ.20.5412.BF.E(P)	WZ.20.5412.BC.E(P)
Connector 50 – 40	50	40	67 g	WZ.20.5412.CDF.E(P)	WZ.20.5412.CDC.E(P)



Anchors	A	Wt	Oblique L+R	Oblique L+R VA
Anchor 30	30	31 g	WZ.20.A412.BF.E(P)	WZ.20.A412.BC.E(P)
Anchor 40	40	39 g	WZ.20.A412.CDF.E(P)	WZ.20.A412.CDC.E(P)
Anchor 50	50	39 g	WZ.20.A412.CDF.E(P)	WZ.20.A412.CDC.E(P)

Connectors Oblique L+R 90° 30–50

**Technical data:**

Oblique L+R 90°

material:

9SMnPb28K

max. tensile strength:

460 – 710 N/mm²

surface:

galvanised

clamping torque:

 $M_{Amax} = 30 \text{ Nm}$ **Quantity unit:**

E =

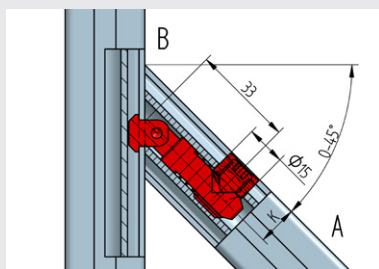
1 piece

P =

100 pcs

30
Grid40
Grid50
Grid

H2 Connectors

**Technical data:**

Oblique L+R VA

material:

stainless steel 1.4305

max. tensile strength:

490 – 685 N/mm²

surface:

pickled and passivated

clamping torque:

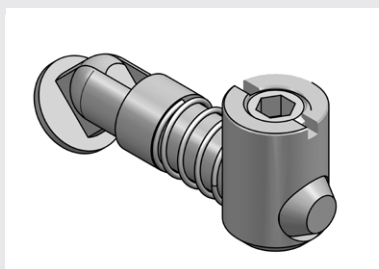
 $M_{Amax} = 30 \text{ Nm}$ **Quantity unit:**

E =

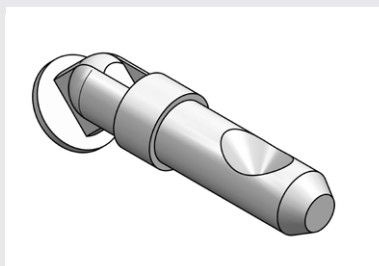
1 piece

P =

100 pcs

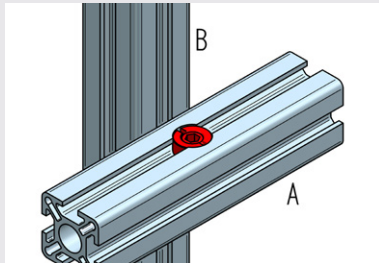
K₃₀ = 15 K₄₀ = 20 K₅₀ = 25

Connector	A	B	Wt	Oblique L+R	Oblique L+R VA
Connector 30	30	30	52 g	WZ.20.3512.BF.E(P)	WZ.20.3512.BC.E(P)
Connector 40	40	40	63 g	WZ.20.4512.CDF.E(P)	WZ.20.4512.CDC.E(P)
Connector 50	50	50	67 g	WZ.20.5512.CDF.E(P)	WZ.20.5512.CDC.E(P)
Connector 30 – 40	30	40	53 g	WZ.20.3512.CDF.E(P)	WZ.20.3512.CDC.E(P)
Connector 30 – 50	30	50	53 g	WZ.20.3512.CDF.E(P)	WZ.20.3512.CDC.E(P)
Connector 40 – 30	40	30	56 g	WZ.20.4512.BF.E(P)	WZ.20.4512.BC.E(P)
Connector 40 – 50	40	50	64 g	WZ.20.4512.CDF.E(P)	WZ.20.4512.CDC.E(P)
Connector 50 – 30	50	30	60 g	WZ.20.5512.BF.E(P)	WZ.20.5512.BC.E(P)
Connector 50 – 40	50	40	67 g	WZ.20.5512.CDF.E(P)	WZ.20.5512.CDC.E(P)



Anchors	A	Wt	Oblique L+R	Oblique L+R VA
Anchor 30	30	31 g	WZ.20.A512.BF.E(P)	WZ.20.A512.BC.E(P)
Anchor 40	40	39 g	WZ.20.A512.CDF.E(P)	WZ.20.A512.CDC.E(P)
Anchor 50	50	39 g	WZ.20.A512.CDF.E(P)	WZ.20.A512.CDC.E(P)

Connectors Parallel Square 30–50


Technical data:

Parallel Square

material:

9SMnPb28K

max. tensile strength:

 460 – 710 N/mm²

surface:

galvanised

clamping torque:

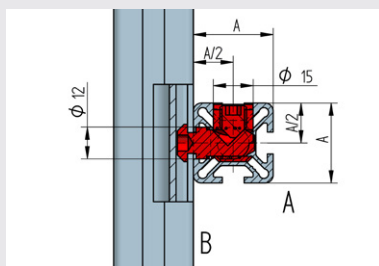
 $M_{Amax} = 30 \text{ Nm}$
Quantity unit:

E =

1 piece

P =

100 pcs


Technical data:

Parallel Square VA

Material:

stainless steel 1.4305

max. tensile strength:

 490 – 685 N/mm²

surface:

pickled and passivated

clamping torque:

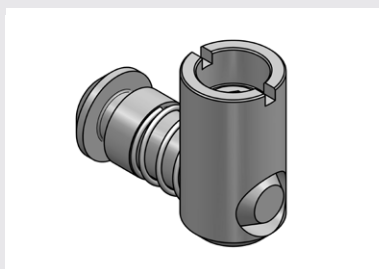
 $M_{Amax} = 30 \text{ Nm}$
Quantity unit:

E =

1 piece

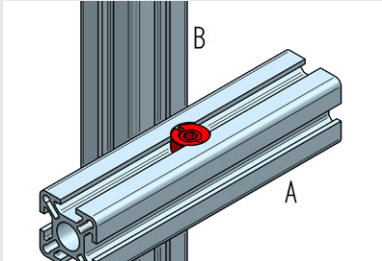
P =

100 pcs



Connector	A	B	Wt	Parallel Square	Parallel Square VA
Connector 30	30	30	37 g	WZ.20.3612.BF.E(P)	WZ.20.3612.BC.E(P)
Connector 40	40	40	53 g	WZ.20.4612.CDF.E(P)	WZ.20.4612.CDC.E(P)
Connector 50	50	50	63 g	WZ.20.5612.CDF.E(P)	WZ.20.5612.CDC.E(P)
Connector 30 – 40	30	40	46 g	WZ.20.3612.CDF.E(P)	WZ.20.3612.CDC.E(P)
Connector 30 – 50	30	50	46 g	WZ.20.3612.CDF.E(P)	WZ.20.3612.CDC.E(P)
Connector 40 – 30	40	30	45 g	WZ.20.4612.BF.E(P)	WZ.20.4612.BC.E(P)
Connector 40 – 50	40	50	53 g	WZ.20.4612.CDF.E(P)	WZ.20.4612.CDC.E(P)
Connector 50 – 30	50	30	54 g	WZ.20.5612.BF.E(P)	WZ.20.5612.BC.E(P)
Connector 50 – 40	50	40	63 g	WZ.20.5612.CDF.E(P)	WZ.20.5612.CDC.E(P)

Anchor Parallel Square 30–50



Technical data:

Parallel Square

material:

9SMnPb28K

max. tensile strength:

460 – 710 N/mm²

surface:

galvanised

clamping torque:

$M_{Amax} = 30 \text{ Nm}$

Quantity unit:

E =

1 piece

P =

100 pcs

Technical data:

Parallel Square VA

material:

stainless steel 1.4305

max. tensile strength:

490 – 685 N/mm²

surface:

pickled and passivated

clamping torque:

$M_{Amax} = 30 \text{ Nm}$

Quantity unit:

E =

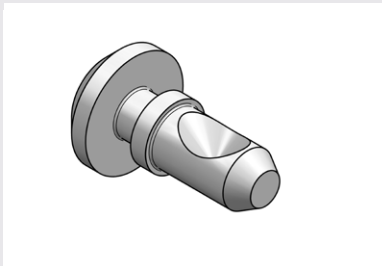
1 piece

P =

100 pcs

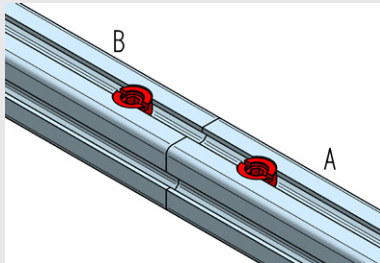


H2 Connectors



Anchors	A	B	Wt	Parallel Square	Parallel Square VA
Anchor 30 – 30	30	30	16 g	WZ.20.A6312.BF.E(P)	WZ.20.A6312.BC.E(P)
Anchor 30 – 40	30	40	24 g	WZ.20.A6312.CDF.E(P)	WZ.20.A6312.CDC.E(P)
Anchor 30 – 50	30	50	24 g	WZ.20.A6312.CDF.E(P)	WZ.20.A6312.CDC.E(P)
Anchor 40 – 30	40	30	19 g	WZ.20.A6412.BF.E(P)	WZ.20.A6412.BC.E(P)
Anchor 40 – 40	40	40	27 g	WZ.20.A6412.CDF.E(P)	WZ.20.A6412.CDC.E(P)
Anchor 40 – 50	40	50	27 g	WZ.20.A6412.CDF.E(P)	WZ.20.A6412.CDC.E(P)
Anchor 50 – 30	50	30	25 g	WZ.20.A6512.BF.E(P)	WZ.20.A6512.BC.E(P)
Anchor 50 – 40	50	40	34 g	WZ.20.A6512.CDF.E(P)	WZ.20.A6512.CDC.E(P)
Anchor 50 – 50	50	50	34 g	WZ.20.A6512.CDF.E(P)	WZ.20.A6512.CDC.E(P)

Connector Extensions 30–50

**Technical data:**

Extension

material:

max. tensile strength:

surface:

clamping torque:

Quantity unit:

E =

P =

9SMnPb28K

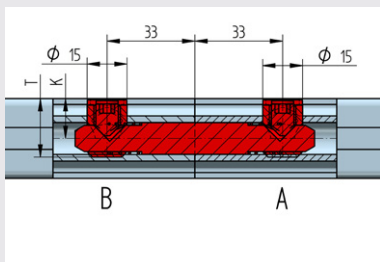
460 – 710 N/mm²

galvanised

 $M_{Amax} = 30 \text{ Nm}$

1 piece

100 pcs

**Technical data:**

Extension VA

material:

max. tensile strength:

surface:

clamping torque:

Quantity unit:

E =

P =

stainless steel 1.4305

490 – 685 N/mm²

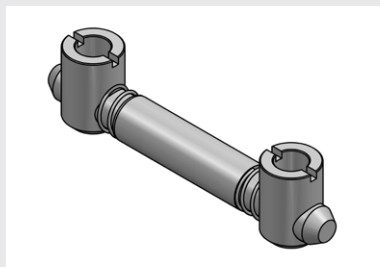
pickled and passivated

 $M_{Amax} = 30 \text{ Nm}$

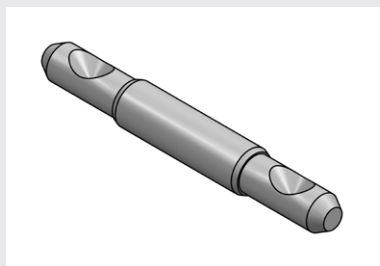
1 piece

100 pcs

$K_{30} = 15$	$K_{40} = 20$	$K_{50} = 25$
$T_{30} = 23$	$T_{40} = 28$	$T_{50} = 33$

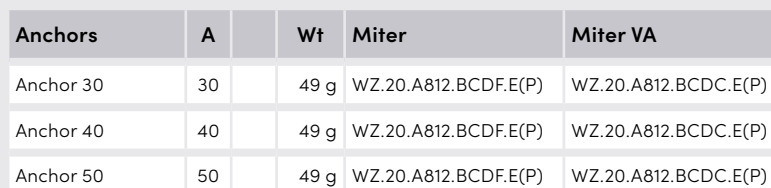
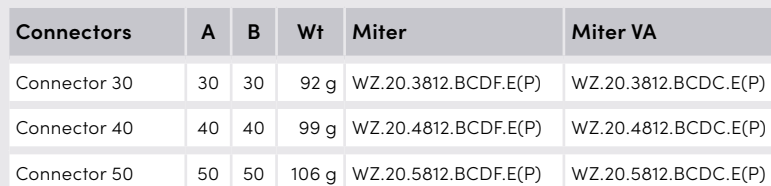


Connectors	A	B	Wt	Extension	Extension VA
Connector 30	30	30	104 g	WZ.20.3712.BCDF.E(P)	WZ.20.3712.BCDC.E(P)
Connector 40	40	40	111 g	WZ.20.4712.BCDF.E(P)	WZ.20.4712.BCDC.E(P)
Connector 50	50	50	118 g	WZ.20.5712.BCDF.E(P)	WZ.20.5712.BCDC.E(P)

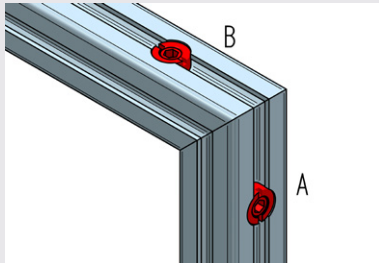


Anchors	A		Wt	Extension	Extension VA
Anchor 30	30		61 g	WZ.20.A712.BCDF.E(P)	WZ.20.A712.BCDC.E(P)
Anchor 40	40		61 g	WZ.20.A712.BCDF.E(P)	WZ.20.A712.BCDC.E(P)
Anchor 50	50		61 g	WZ.20.A712.BCDF.E(P)	WZ.20.A712.BCDC.E(P)

H2 Connectors



Connectors Miter 90° 30–50

**Technical data:**

Miter 90°

material:

max. tensile strength:

surface:

clamping torque:

Quantity unit:

E =

P =

9SMnPb28K

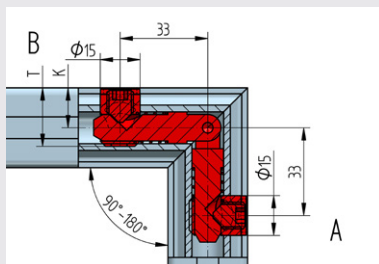
460 – 710 N/mm²

galvanised

 $M_{Amax} = 30 \text{ Nm}$

1 piece

100 pcs

30
Grid40
Grid50
Grid**Technical data:**

Miter 90° VA

material:

max. tensile strength:

surface:

clamping torque:

Quantity unit:

E =

P =

stainless steel 1.4305

490 – 685 N/mm²

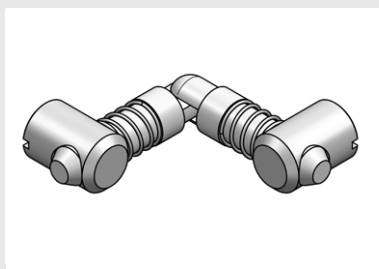
pickled and passivated

 $M_{Amax} = 30 \text{ Nm}$

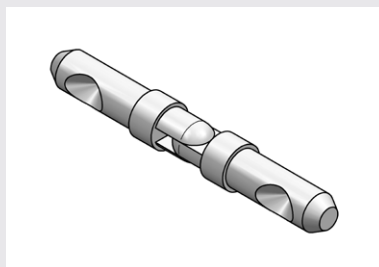
1 piece

100 pcs

$K_{30} = 15$ $K_{40} = 20$ $K_{50} = 25$
 $T_{30} = 23$ $T_{40} = 28$ $T_{50} = 33$



Connectors	A	B	Wt	Miter 90°	Miter 90° VA
Connector 30	30	30	92 g	WZ.20.3912.BCDF.E(P)	WZ.20.3912.BCDC.E(P)
Connector 40	40	40	99 g	WZ.20.4912.BCDF.E(P)	WZ.20.4912.BCDC.E(P)
Connector 50	50	50	106 g	WZ.20.5912.BCDF.E(P)	WZ.20.5912.BCDC.E(P)

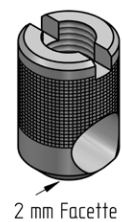


Anchors	A	Wt	Miter 90°	Miter 90° VA
Anchor 30	30	49 g	WZ.20.A912.BCDF.E(P)	WZ.20.A912.BCDC.E(P)
Anchor 40	40	49 g	WZ.20.A912.BCDF.E(P)	WZ.20.A912.BCDC.E(P)
Anchor 50	50	49 g	WZ.20.A912.BCDF.E(P)	WZ.20.A912.BCDC.E(P)

Connector Accessories 30–50



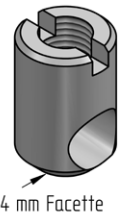
Cross bushing	A	Wt	Cross bushing	Cross bushing VA
Cross bushing 30	30	16 g	WZ.20.Q3012.BF.E(P)	WZ.20.Q3012.BC.E(P)
Cross bushing 40	40	19 g	WZ.20.Q4012.CF.E(P)	WZ.20.Q4012.CC.E(P)
Cross bushing 50	50	23 g	WZ.20.Q5012.DF.E(P)	WZ.20.Q5012.DC.E(P)



Cross bushing	A	Wt	Cross bushing
Cross bushing 30, kn.*)	30	16 g	WZ.20.Q3112.BF.E(P)
Cross bushing 40, kn.*)	40	19 g	WZ.20.Q4112.CF.E(P)

*) knurled

Drill dimensions Cross bushing			
	K	T	D
QS 30	15	23	Ø15
QS 40	20	28	Ø15
QS 50	25	33	Ø15



Cross bushing	A	Wt	Cross bushing
Cross bushing 30, Facette	30	15 g	WZ.20.Q3212.BF.E(P)
Cross bushing 40, Facette	40	18 g	WZ.20.Q4212.CF.E(P)
Cross bushing 50, Facette	50	22 g	WZ.20.Q5212.DF.E(P)



Setscrew	Wt	Setscrew	Setscrew VA
Setscrew M10x12	5 g	WZ.20.G012.BCDF.E(P)	WZ.20.G012.BCDC.E(P)
Setscrew M8x8	3 g	WZ.20.G008.BCD.E(P)	



Spring	Wt	Spring rustproof
Spring D11, rustproof	1 g	WZ.20.F012.BCDC.E(P)

Quantity unit:

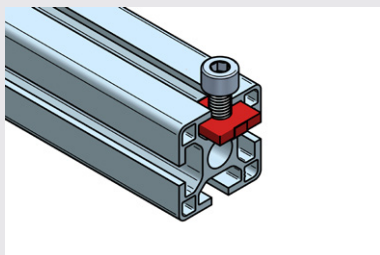
E = 1 piece
P = 100 pcs



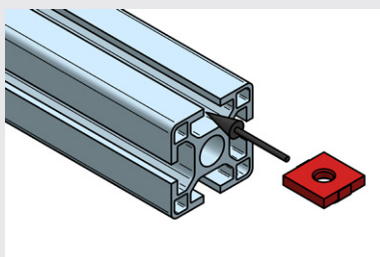
CONTENT FASTENING ELEMENTS

Threaded plates	H3.002
T-Nuts for subsequent insertion	H3.003
Anti-twist devices	H3.004
T-Nuts with spring	H3.005
T-slot nuts	H3.006
Threaded inserts	H3.007
Press-fit threaded inserts 12	H3.008
Rhomboid T-slot nuts	H3.009
T-bolts	H3.010
T-nuts with spring	H3.011

Threaded plates



For screwed joints



Insert front side

Technical data:

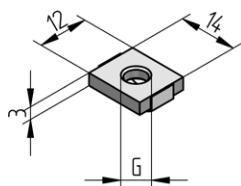
material: steel
 surface: galvanised
 clamping torque: M_{Amax}

Quantity unit:

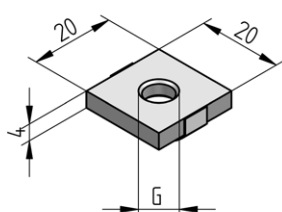
E = 1 piece
 P = 100 pcs

 30
 Grid

 40
 Grid

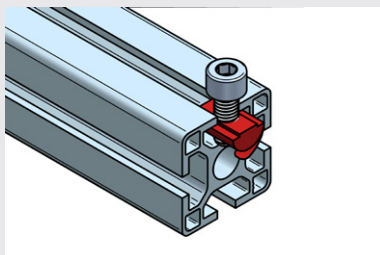
 50
 Grid


Description	G	M_{Amax}	Wt	Article No. E (P)
Threaded plate B	M3	1.3 Nm	3.9 g	WZ.30.M3.BF.E(P)
Threaded plate B	M4	3.0 Nm	3.7 g	WZ.30.M4.BF.E(P)
Threaded plate B	M5	5.0 Nm	3.6 g	WZ.30.M5.BF.E(P)
Threaded plate B	M6	7.0 Nm	3.3 g	WZ.30.M6.BF.E(P)



Description	G	M_{Amax}	Wt	Article No. E (P)
Threaded plate C/D	M3	1.3 Nm	12.0 g	WZ.30.M3.CDF.E (P)
Threaded plate C/D	M4	3.0 Nm	11.8 g	WZ.30.M4.CDF.E (P)
Threaded plate C/D	M5	5.0 Nm	11.6 g	WZ.30.M5.CDF.E (P)
Threaded plate C/D	M6	8.0 Nm	11.3 g	WZ.30.M6.CDF.E (P)
Threaded plate C/D	M8	15.0 Nm	11.0 g	WZ.30.M8.CDF.E (P)

T-Nuts for subsequent insertion



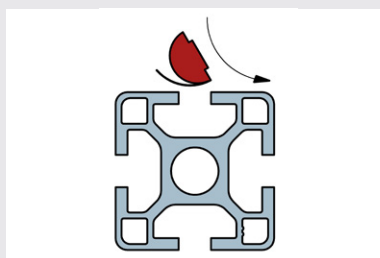
For screwed joints

Technical data:

T-Nuts for subsequent insertion
 material: steel
 surface: galvanised
 clamping torque: M_{Amax}

Quantity unit:

E = 1 piece
 P = 100 pcs



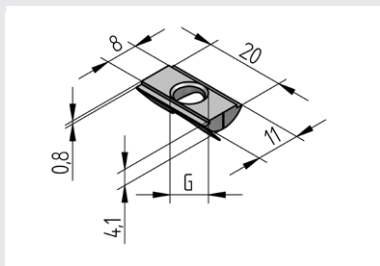
Insert front side

Technical data:

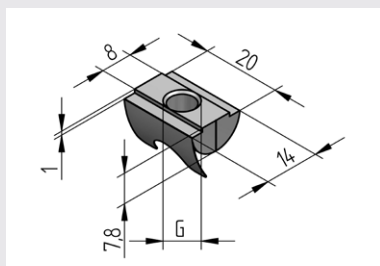
T-Nuts for subsequent insertion VA
 material: stainless steel 1.4305
 surface: pickled and passivated
 clamping torque: M_{Amax}

Quantity unit:

E = 1 piece
 P = 100 pcs

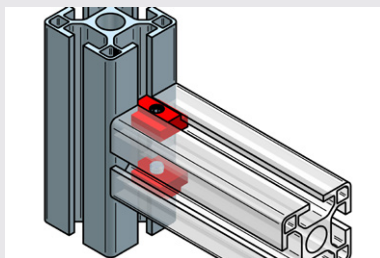


Description	G	M_{Amax}	Wt	Insertable	Insertable VA
T-Nuts for subs. insertion B	M3	1.3 Nm	5.0 g	WZ.31.M3.BF.E (P)	
T-Nuts for subs. insertion B	M4	3.0 Nm	4.9 g	WZ.31.M4.BF.E (P)	
T-Nuts for subs. insertion B	M5	5.0 Nm	4.6 g	WZ.31.M5.BF.E (P)	
T-Nuts for subs. insertion B	M6	10.0 Nm	4.3 g	WZ.31.M6.BF.E (P)	WZ.31.M6.BC.E (P)
T-Nuts for subs. insertion B	M8	10.0 Nm	4.0 g	WZ.31.M8.BF.E (P)	WZ.31.M8.BC.E (P)



Description	G	M_{Amax}	Wt	Insertable	Insertable VA
T-Nuts for subs. insert. C/D	M3	1.3 Nm	10.0 g	WZ.31.M3.CDF.E (P)	
T-Nuts for subs. insert. C/D	M4	3.0 Nm	10.0 g	WZ.31.M4.CDF.E (P)	
T-Nuts for subs. insert. C/D	M5	5.0 Nm	9.7 g	WZ.31.M5.CDF.E (P)	
T-Nuts for subs. insert. C/D	M6	10.0 Nm	9.4 g	WZ.31.M6.CDF.E (P)	WZ.31.M6.CDC.E (P)
T-Nuts for subs. insert. C/D	M8	26.0 Nm	9.1 g	WZ.31.M8.CDF.E (P)	WZ.31.M8.CDC.E (P)

Anti-twist devices


Technical data:

material: steel
 surface: galvanised
 clamping torque: M_{Amax}

Quantity unit:

E = 1 piece
 P = 100 pcs

30
Grid



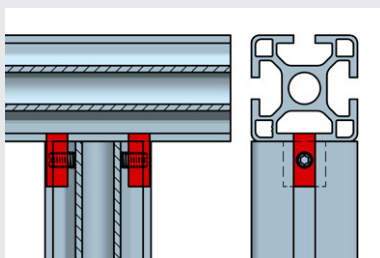
40
Grid



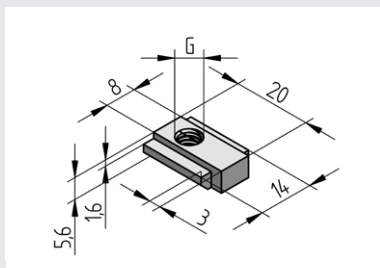
50
Grid



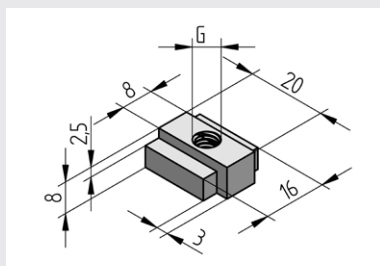
At high torque forces twisting can be prevented by anti-twist devices.



The nose of the anti-twist device has to fit completely into the basic profile.

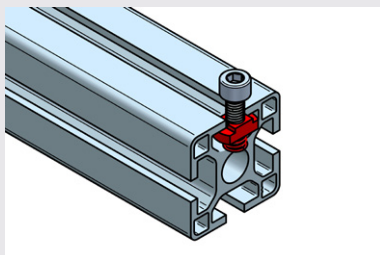


Description	G	M_{Amax}	Wt	Article No. E (P)
Anti-twist device B	M6	10.0 Nm	7.3 g	WZ.32.M6.BF.E (P)

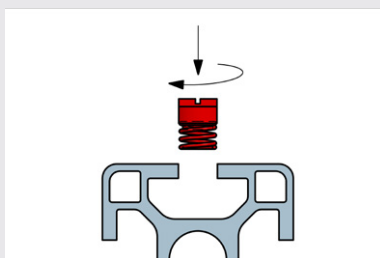


Description	G	M_{Amax}	Wt	Article No. E (P)
Anti-twist device C/D	M6	10.0 Nm	14.0 g	WZ.32.M6.CDF.E (P)

T-Nuts with spring



For screwed joints



Insert front side and rotate 90°

Technical data:

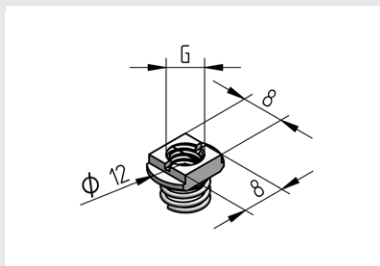
material: steel
 surface: galvanised
 clamping torque: M_{Amax}

Quantity unit:

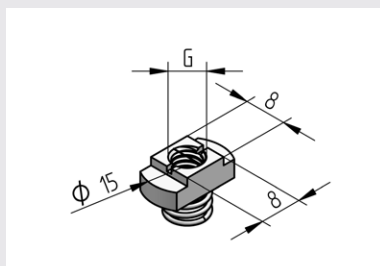
E = 1 piece
 P = 100 pcs

 30
 Grid

 40
 Grid

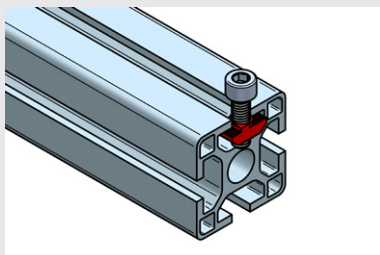
 50
 Grid


Description	G	M_{Amax}	Wt	Article No. E (P)
T-Nut with spring B	M3	1.3 Nm	1.6 g	WZ.33.M3.BF.E (P)
T-Nut with spring B	M4	3.0 Nm	1.5 g	WZ.33.M4.BF.E (P)
T-Nut with spring B	M5	5.0 Nm	1.3 g	WZ.33.M5.BF.E (P)
T-Nut with spring B	M6	8.0 Nm	1.1 g	WZ.33.M6.BF.E (P)



Description	G	M_{Amax}	Wt	Article No. E (P)
T-Nut with spring C/D	M3	1.3 Nm	3.9 g	WZ.33.M3.CDF.E (P)
T-Nut with spring C/D	M4	3.0 Nm	3.7 g	WZ.33.M4.CDF.E (P)
T-Nut with spring C/D	M5	5.0 Nm	3.4 g	WZ.33.M5.CDF.E (P)
T-Nut with spring C/D	M6	10.0 Nm	3.0 g	WZ.33.M6.CDF.E (P)

T-slot nuts



For screwed joints

Technical data:

material: steel
 surface: galvanised
 clamping torque: M_{Amax}

Quantity unit:

E = 1 piece
 P = 100 pcs

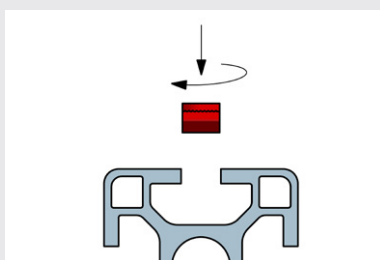
30
Grid



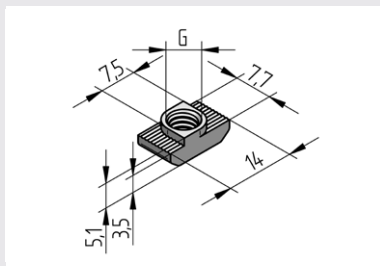
40
Grid



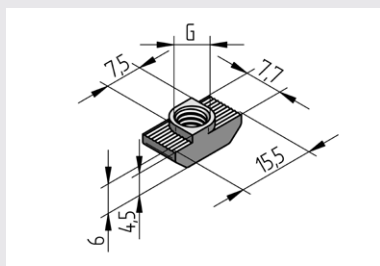
50
Grid



Mount the T-slot nut onto the screw, insert, rotate 90° and fasten.

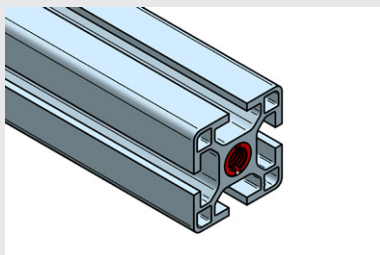


Description	G	Colour	M_{Amax}	Wt	Article No. E (P)
T-slot nut B	M4	blue	3.0 Nm	2.4 g	WZ.34.M4.BF.E (P)
T-slot nut B	M5	black	5.0 Nm	2.0 g	WZ.34.M5.BF.E (P)
T-slot nut B	M6	yellow	10.0 Nm	1.7 g	WZ.34.M6.BF.E (P)

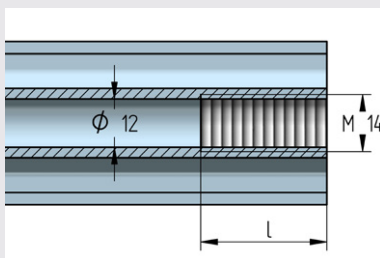


Description	G	Colour	M_{Amax}	Wt	Article No. E (P)
T-slot nut C/D	M4	blue	3.0 Nm	3.6 g	WZ.34.M4.CDF.E (P)
T-slot nut C/D	M5	blue	5.0 Nm	3.2 g	WZ.34.M5.CDF.E (P)
T-slot nut C/D	M6	blue	10.0 Nm	3.0 g	WZ.34.M6.CDF.E (P)

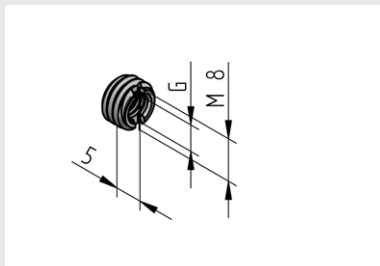
Threaded inserts



Face sided screwed joint for all profiles with core hole $\varnothing 6.2$ and $\varnothing 12$ mm



Thread M8 / M14 in core hole $\varnothing 6.2$ / $\varnothing 12$ mm



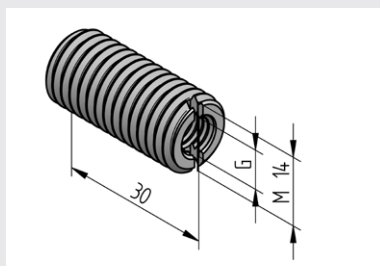
Technical data:

material: steel
surface: galvanised

Quantity unit:

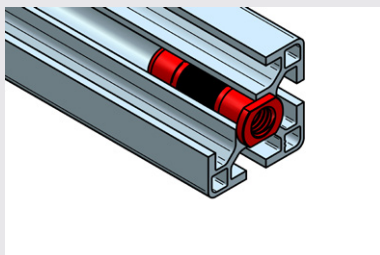
E = 1 piece
P = 100 pcs

Description	G	Length L	Wt	Article No. E (P)
Threaded insert M8	M4	5 mm	1.0 g	WZ.35.M8M405.F.E (P)
Threaded insert M8	M5	5 mm	0.9 g	WZ.35.M8M505.F.E (P)



Description	G	Length L	Wt	Article No. E (P)
Threaded insert M14	M6	15 mm	11.0 g	WZ.35.M14M615.F.E (P)
Threaded insert M14	M6	30 mm	22.0 g	WZ.35.M14M630.F.E (P)
Threaded insert M14	M8	15 mm	9.0 g	WZ.35.M14M815.F.E (P)
Threaded insert M14	M8	30 mm	18.0 g	WZ.35.M14M830.F.E (P)
Threaded insert M14	M10	15 mm	6.0 g	WZ.35.M14M1015.F.E (P)
Threaded insert M14	M10	30 mm	12.0 g	WZ.35.M14M1030.F.E (P)

Press-fit threaded inserts 12

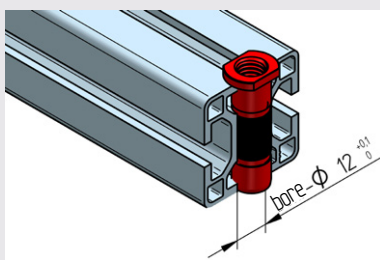

Technical data:

material: steel
surface: galvanised

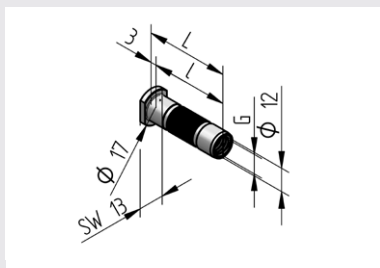
Quantity unit:

E = 1 piece
P = 100 pcs

For mounting on front end and fastening of any profile with core hole Ø12

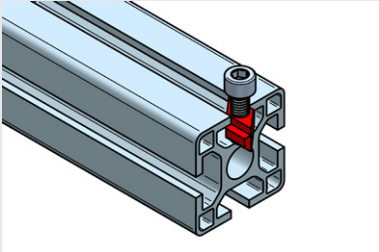


For connections for cross sections of 20-, 30-, 40-, 50- mm profiles



Description	G	Length L / l	Wt	Article No. E (P)
Press-fit threaded insert Ø12	M8	22.5 / 19.5 mm	19.5 g	WZ.35.12M8225.F.E (P)
Press-fit threaded insert Ø12	M8	32.5 / 29.5 mm	29.5 g	WZ.35.12M8325.F.E (P)
Press-fit threaded insert Ø12	M8	42.5 / 39.5 mm	39.5 g	WZ.35.12M8425.F.E (P)
Press-fit threaded insert Ø12	M8	52.5 / 49.5 mm	49.5 g	WZ.35.12M8525.F.E (P)
Press-fit threaded insert Ø12	M10	22.5 / 19.5 mm	19.5 g	WZ.35.12M10225.F.E (P)
Press-fit threaded insert Ø12	M10	32.5 / 29.5 mm	29.5 g	WZ.35.12M10325.F.E (P)
Press-fit threaded insert Ø12	M10	42.5 / 39.5 mm	39.5 g	WZ.35.12M10425.F.E (P)
Press-fit threaded insert Ø12	M10	52.5 / 49.5 mm	49.5 g	WZ.35.12M10525.F.E (P)

Rhomboid T-slot nuts

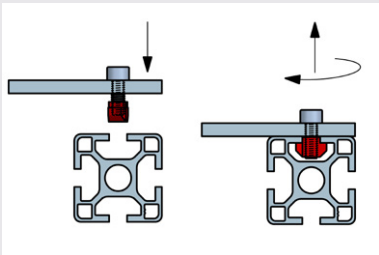


Technical data:
 material: GD-Zn
 surface: blank
 clamping torque: M_{Amax}

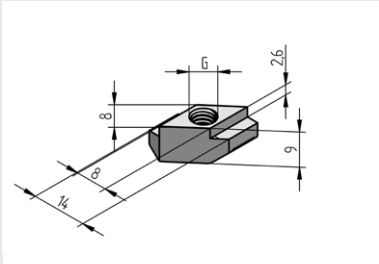
Quantity unit:
 E = 1 piece
 P = 100 pcs



For pre-assembly of threads in the profile slot

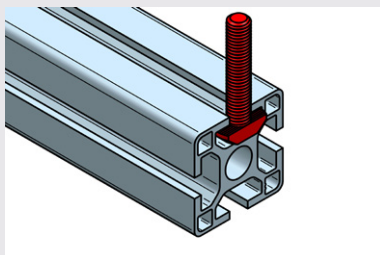


Pre-assemble the rhomboid T-slot nut onto the screw and insert into the slot



Description	G	M_{Amax}	Wt	Article No. E (P)
Rhomboid T-slot nut C/D	M3	1.3 Nm	6.5 g	WZ.36.M3.CDF.E (P)
Rhomboid T-slot nut C/D	M4	3.0 Nm	6.2 g	WZ.36.M4.CDF.E (P)
Rhomboid T-slot nut C/D	M5	5.0 Nm	5.9 g	WZ.36.M5.CDF.E (P)
Rhomboid T-slot nut C/D	M6	10.0 Nm	5.5 g	WZ.36.M6.CDF.E (P)

T-Bolts



For screwed joints

Technical data:

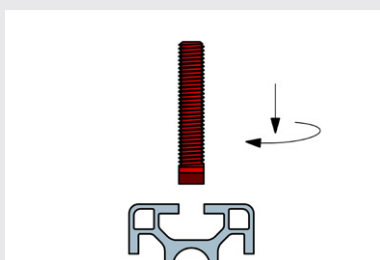
material: steel
 surface: galvanised
 clamping torque: M_{Amax}

Quantity unit:

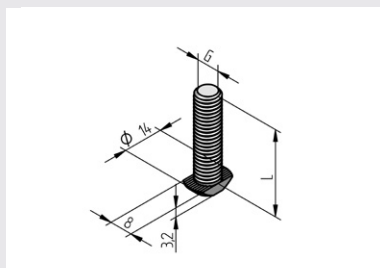
E = 1 piece
 P = 100 pcs

 30
 Grid

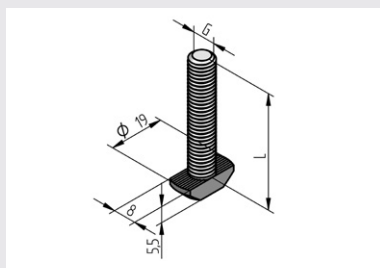
 40
 Grid

 50
 Grid


Insert front-sided and turn 90°

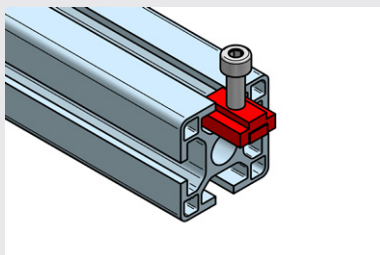


Description	G	Length L	M_{Amax}	Wt	Article No. E (P)
T-Bolt B	M6	20 mm	6.0 Nm	6.0 g	WZ.37.M620.BF.E (P)
T-Bolt B	M6	30 mm	6.0 Nm	7.0 g	WZ.37.M630.BF.E (P)
T-Bolt B	M8	20 mm	15.0 Nm	8.0 g	WZ.37.M820.BF.E (P)
T-Bolt B	M8	30 mm	15.0 Nm	11.0 g	WZ.37.M830.BF.E (P)

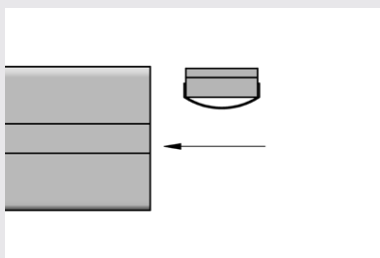


Description	G	Length L	M_{Amax}	Wt	Article No. E (P)
T-Bolt C/D	M6	20 mm	6.0 Nm	9.0 g	WZ.37.M620.CDF.E (P)
T-Bolt C/D	M6	30 mm	6.0 Nm	10.0 g	WZ.37.M630.CDF.E (P)
T-Bolt C/D	M8	20 mm	18.0 Nm	12.0 g	WZ.37.M820.CDF.E (P)
T-Bolt C/D	M8	30 mm	18.0 Nm	14.0 g	WZ.37.M830.CDF.E (P)
T-Bolt C/D	M8	40 mm	18.0 Nm	18.0 g	WZ.37.M840.CDF.E (P)

T-Nuts with spring



For screwed joints



Insert from end

Technical data:

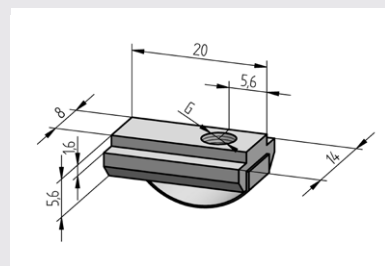
material: steel
 surface: galvanised
 clamping torque: M_{Amax}

Quantity unit:

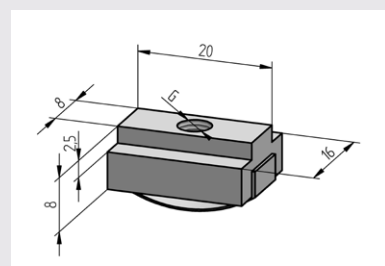
E = 1 piece
 P = 100 pcs

 30
 Grid

 40
 Grid

 50
 Grid


Description	G	Length L	M_{Amax}	Wt	Article No. E (P)
T-Nut with spring B	M6	20 mm	10.0 Nm	7.0 g	WZ.38.M6.BF.E (P)
T-Nut with spring B	M8	20 mm	26.0 Nm	6.6 g	WZ.38.M8.BF.E (P)



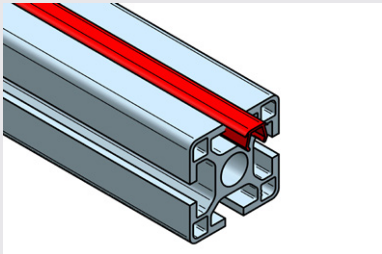
Description	G	Length L	M_{Amax}	Wt	Article No. E (P)
T-Nut with spring C/D	M6	20 mm	10.0 Nm	15.0 g	WZ.38.M6.CDF.E (P)
T-Nut with spring C/D	M8	20 mm	26.0 Nm	14.0 g	WZ.38.M8.CDF.E (P)



CONTENT ACCESSORIES

Cover profiles PVC	H4.003
Reducing profiles PP	H4.004
Combination profiles PP	H4.006
Combination profiles PP for 30x14 / 30x27	H4.008
Sponge rubber round cords	H4.010
Rubber cover profiles	H4.011
End caps	H4.012
Hand adjustable feet	H4.015
Tilt-foot plates	H4.016
Tilt-foot spindles	H4.019
Tilt-foot anti-slip discs	H4.020
Angular adjusting feet	H4.021
Base angles	H4.022
Castors	H4.023
Fixed castors	H4.024
Swivel castors	H4.025
Angles	H4.027
Base plates with thread	H4.031
Corner pieces	H4.032
Hinges	H4.034

Cover profiles PVC

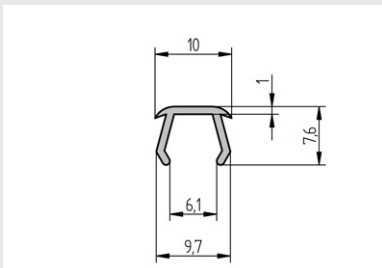


Cover profile with 1.2 mm overhang for the protection of profile slots

Technical data:

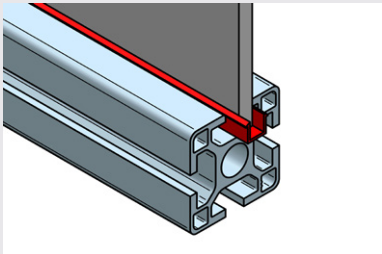
bar length: 2.5 m
material: PVC rigid

- oil and water resistant
- anti-electrostatic
- lead- and cadmium free



Description	Colour	~RAL	Wt	Article No.
Cover profile PVC, B/C/D	grey	7035	34.0 g/m	WZ.41.111.BCD.E
Cover profile PVC, B/C/D	black	9011	34.0 g/m	WZ.41.112.BCD.E

Reducing profiles PP

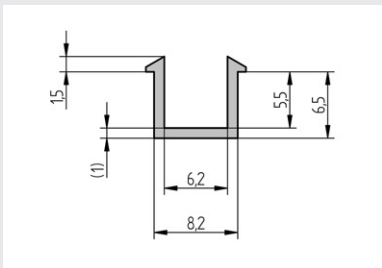


For slot size reduction from 8 to 6 mm

Technical data:

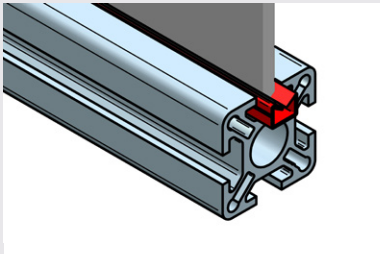
bar length: 2.5 m
material: PP

- oil and water resistant
- anti-electrostatic
- lead- and cadmium free

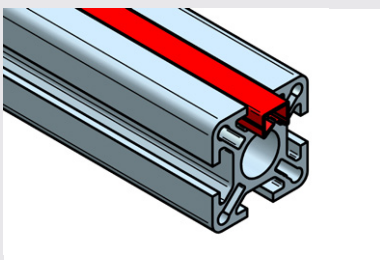


Description	Colour	~RAL	Wt	Article No.
Reducing profile PP 8/6, B/C/D	grey	7035	34.0 g/m	WZ.41.211.BCD.E
Reducing profile PP 8/6, B/C/D	black	9011	34.0 g/m	WZ.41.212.BCD.E

Combination profiles PP



Use as reduction profile



Use as slot-cover profile

Application:

Combination profiles for various use as reduction or cover profiles

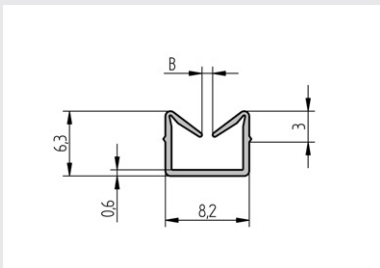
Technical data:

bar length: 2.5 m
material: PP
• oil and water resistant

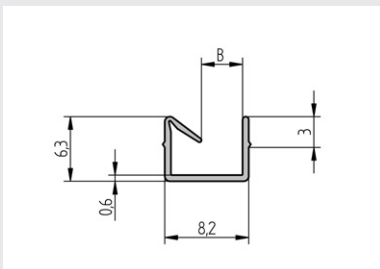


Colours:

- grey
- black

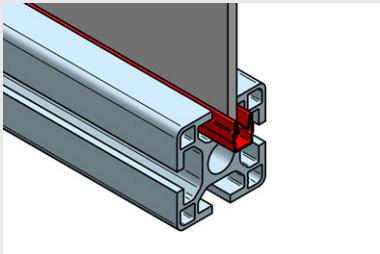


Description	B	Colour	~RAL	Wt	Article No.
Combination profile PP, B, 1 - 4.5	1 - 4.5	grey	7035	12.5 g/m	WZ.41.311.B.E
Combination profile PP, B, 1 - 4.5	1 - 4.5	black	9011	12.5 g/m	WZ.41.312.B.E



Description	B	Colour	~RAL	Wt	Article No.
Combination profile PP, B, 4.5 - 6	4.5 - 6	grey	7035	11.0 g/m	WZ.41.341.B.E
Combination profile PP, B, 4.5 - 6	4.5 - 6	black	9011	11.0 g/m	WZ.41.342.B.E

Combination profiles PP



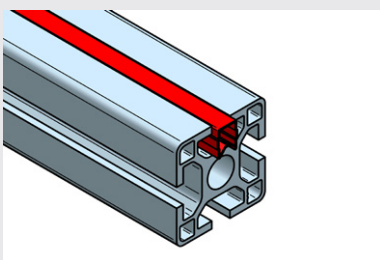
Use as reduction profile

Application:

Combination profiles for various use
as reduction or cover profiles

Technical data:

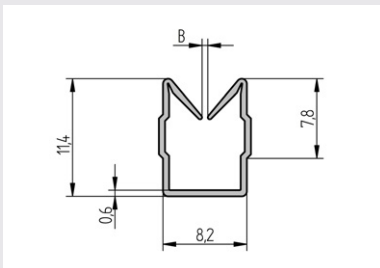
bar length: 2.5 m
material: PP
• oil and water resistant



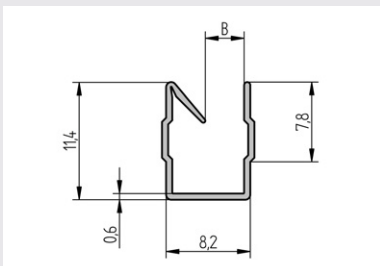
Use as slot-cover profile

Colours:

- grey
- black

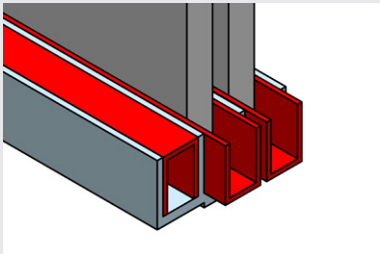


Description	B	Colour	~RAL	Wt	Article No.
Combination profile PP, C/D, 1 - 4.5	1 - 4.5	grey	7035	19.0 g/m	WZ.41.311.CD.E
Combination profile PP, C/D, 1 - 4.5	1 - 4.5	black	9011	19.0 g/m	WZ.41.312.CD.E



Description	B	Colour	~RAL	Wt	Article No.
Combination profile PP, C/D, 4.5 - 6	4.5 - 6	grey	7035	11.0 g/m	WZ.41.341.CD.E
Combination profile PP, C/D, 4.5 - 6	4.5 - 6	black	9011	11.0 g/m	WZ.41.342.CD.E

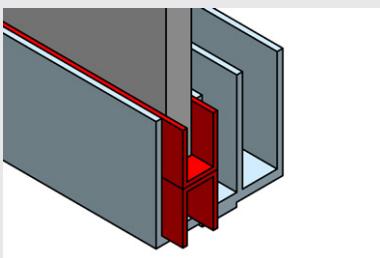
Combination profiles PP for 30x14 / 30x27



Application:

The Combination profile for Sliding profiles (WP.11.015030.030.E, WP.11.027030.030.E) can be used as

- reducing profile
- cover profile
- inserted plate



Technical data:

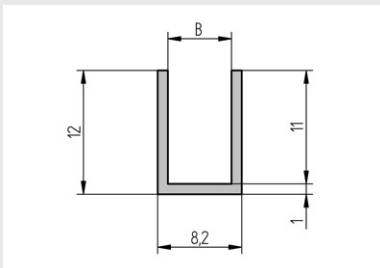
bar length: 2.5 m
material: PP

- oil and water resistant

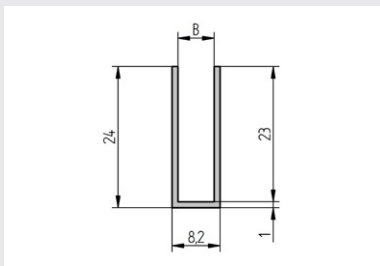
Colour:

- grey

Inserted plate for Sliding profile 30x26

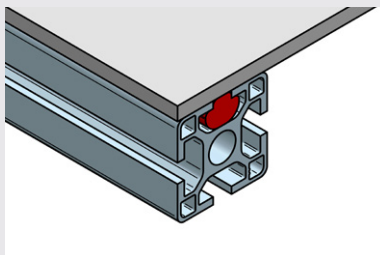


Description	B	Colour	~RAL	Wt	Article No.
Combination profile PP for 30x14	6.2	grey	7035	46.0 g/m	WZ.41.411.00.E



Description	B	Colour	~RAL	Wt	Article No.
Combination profile PP for 30x27	6.2	grey	7035	75.0 g/m	WZ.41.412.00.E

Sponge rubber round cords



Application:

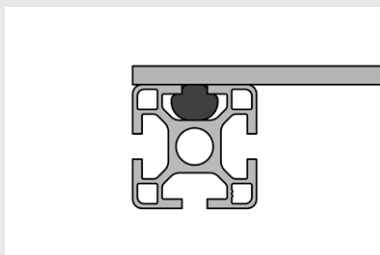
For compensation of slot width on in-between sizes of cover panels

Technical data:

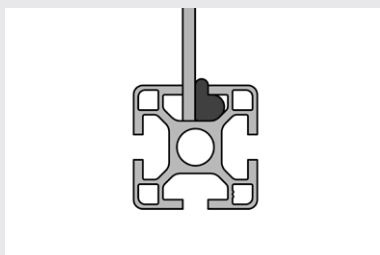
material: EPDM

Colour:

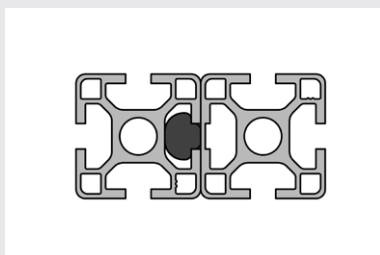
- grey



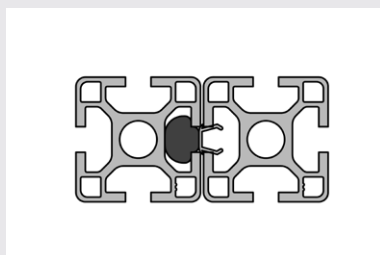
Enclosures with panel materials



Enclosures with wire screens



One profile with slot, one profile closed



Two profiles with slots, one profile with slot cover profile

WTA-X3.06-001

Sponge rubber round cord-Ø determination

Profile slot	Sponge rubber-Ø
B - slot	12 mm
C/D - slot	18 mm

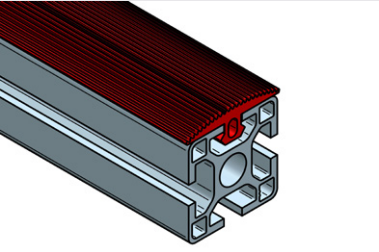


Sponge rubber round cord-Ø determination

Profile slot	Sponge rubber-Ø	Plate thickness
B - slot	10 mm	1 - 2 mm
	8 mm	3 mm
	6 mm	4 - 5 mm
C/D - slot	10 mm	1 - 3 mm

Profile slot	Sponge rubber-Ø	Wt	Length of ring	Article No.
Sponge rubber round cord	6 mm	11 g/m	100 m	WZ.41.606.00.E
Sponge rubber round cord	8 mm	19 g/m	100 m	WZ.41.608.00.E
Sponge rubber round cord	10 mm	32 g/m	100 m	WZ.41.610.00.E
Sponge rubber round cord	12 mm	46 g/m	50 m	WZ.41.612.00.E
Sponge rubber round cord	18 mm	100 g/m	25 m	WZ.41.618.00.E

Rubber cover profiles



Application:
 Rubber cover profiles for profile protection

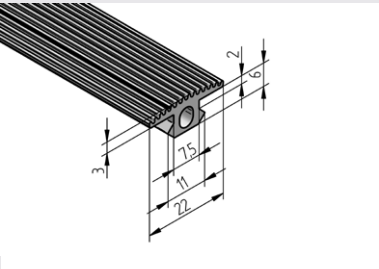
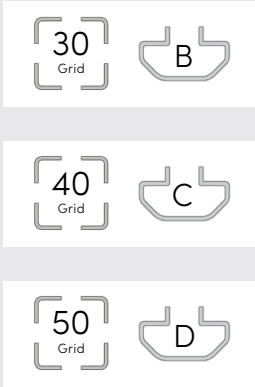
- Suitable for:
- door stops
 - slide prevention on steps
 - protection against damage
 - handrails
 - pads

Technical data:
 length of ring: 20 m
 material:

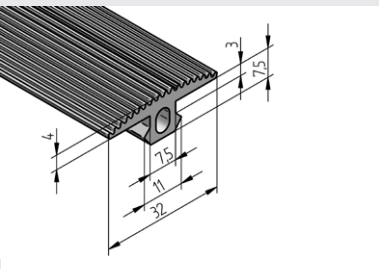
- NBR, hardness 80, Shore A
- oil and water resistant

Colour:

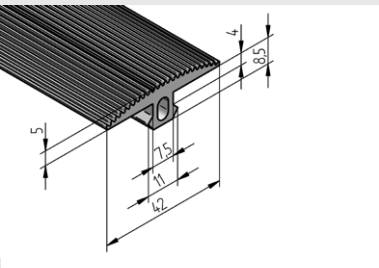
- black



Description	Colour	Wt	Article No.
Rubber cover profile B	black	125 g/m	WZ.41.811.B.E

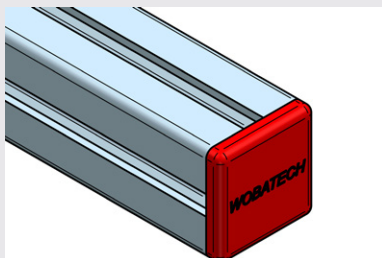


Description	Colour	Wt	Article No.
Rubber cover profile C	black	220 g/m	WZ.41.811.C.E



Description	Colour	Wt	Article No.
Rubber cover profile D	black	320 g/m	WZ.41.811.D.E

End caps



Application:

End caps prevent dirt from entering into profiles and avoid lacerations.

Technical data:

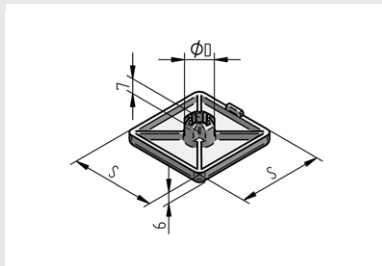
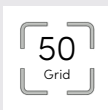
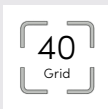
material: PA-GF
 temperature range: - 20°C to +85°C
 • oil and water resistant

Colours:

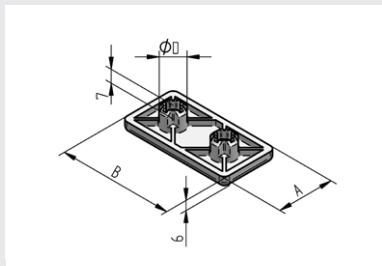
- black
- grey

Quantity unit:

E = 1 piece
 P = 100 pcs

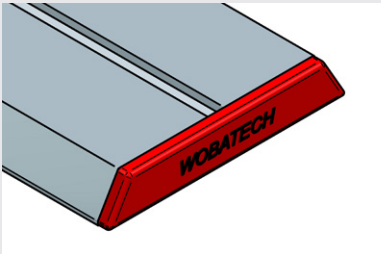


Description (SxS)	ØD	Colour	~RAL	Wt	Article No. E (P)
End cap 30x30	12	grey	7035	5.0 g	WZ.42.030030.B1.E (P)
End cap 30x30	12	black	9011	5.0 g	WZ.42.030030.B2.E (P)
End cap 40x40	12	grey	7035	8.0 g	WZ.42.040040.C1.E (P)
End cap 40x40	12	black	9011	8.0 g	WZ.42.040040.C2.E (P)
End cap 50x50	12	grey	7035	12.0 g	WZ.42.050050.D1.E (P)
End cap 50x50	12	black	9011	12.0 g	WZ.42.050050.D2.E (P)



Description (AxB)	ØD	Colour	~RAL	Wt	Article No. E (P)
End cap 30x60	12	grey	7035	8.0 g	WZ.42.030060.B1.E (P)
End cap 30x60	12	black	9011	8.0 g	WZ.42.030060.B2.E (P)
End cap 40x80	12	grey	7035	18.0 g	WZ.42.040080.C1.E (P)
End cap 40x80	12	black	9011	18.0 g	WZ.42.040080.C2.E (P)
End cap 30x100 (8 channels)	12	grey	7035	20.0 g	WZ.42.030100.B1.E (P)
End cap 30x100 (8 channels)	12	black	9011	20.0 g	WZ.42.030100.B2.E (P)
End cap 50x100	12	grey	7035	26.0 g	WZ.42.050100.D1.E (P)
End cap 50x100	12	black	9011	26.0 g	WZ.42.050100.D2.E (P)

End cap 20x120



Application:

End caps prevent dirt from entering into profiles and avoid lacerations.

Technical data:

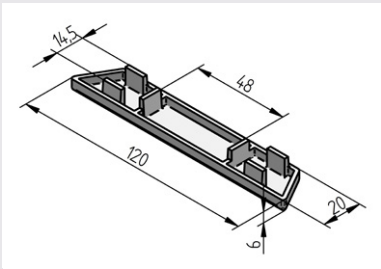
material: PA-GF
 temperature range: - 20°C to +85°C
 • oil and water resistant

Colour:

- grey

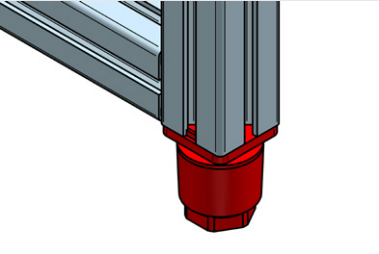
Quantity unit:

E = 1 piece
 P = 100 pcs

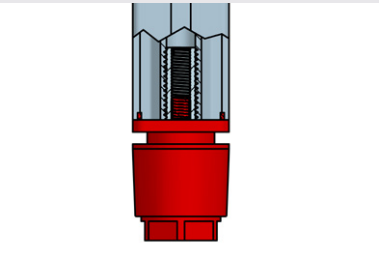


Description (SxS)		Colour	~RAL	Wt	Article No. E (P)
End cap 20x120		grey	7035	9.0 g	WZ.42.020120.D1.E (P)

Hand adjustable feet



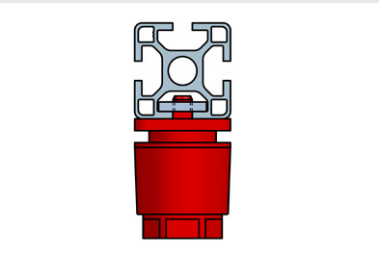
Application:
For manual levelling of benches, tables and light bases



Fastening in core hole

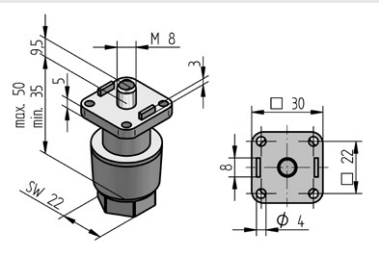
Technical data:
max. static load: 1500 N

Material:
capsule: PA, black
spindle, nut: steel, galvanised
washer: steel, galvanised

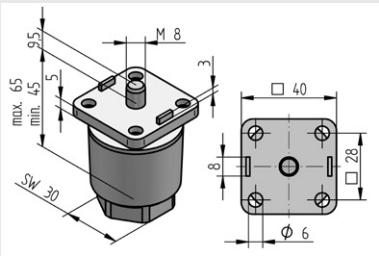


Fastening in slot

Quantity unit:
E = 1 piece

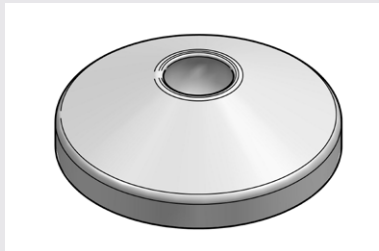


Description	Wt	Article No.
Hand adjustable foot 30	40.0 g	WZ.44.030030.B.E



Description	Wt	Article No.
Hand adjustable foot 40	78.0 g	WZ.44.040040.B.E

Tilt-foot plates


Technical data:

F = static load max. in kN

Material:

PA: PA-GF, black

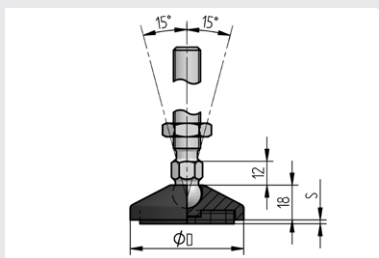
GD-Zn: GD-Zn, black powder-coated

stainless steel: 1.4305, blank

Quantity unit:

E = 1 piece

P = 100 pcs



Design without mounting holes

S = height of:

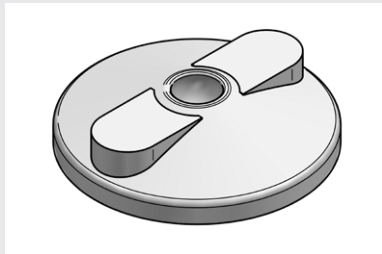
- anti-slip disc (S = 2 mm)
- cushion element (S = 10 mm)

Description	D	F	Colour	Wt	Article No. E (P)
Tilt-foot plate PA 30	Ø29	5 kN	black	8.0 g	WZ.44.1030.00.P.E (P)
Tilt-foot plate PA 40	Ø39	9 kN	black	13.0 g	WZ.44.1040.00.P.E (P)
Tilt-foot plate PA 45	Ø44	9 kN	black	15.0 g	WZ.44.1045.00.P.E (P)
Tilt-foot plate PA 50	Ø49	9 kN	black	16.0 g	WZ.44.1050.00.P.E (P)
Tilt-foot plate PA 60	Ø59	9 kN	black	22.0 g	WZ.44.1060.00.P.E (P)
Tilt-foot plate PA 80	Ø79	9 kN	black	46.0 g	WZ.44.1080.00.P.E (P)
Tilt-foot plate PA 100	Ø99	9 kN	black	86.0 g	WZ.44.1100.00.P.E (P)

Description	D	F	Colour	Wt	Article No. E (P)
Tilt-foot plate GD-Zn 30	Ø29	20 kN	black	48.0 g	WZ.44.1030.00.F.E (P)
Tilt-foot plate GD-Zn 40	Ø39	30 kN	black	70.0 g	WZ.44.1040.00.F.E (P)
Tilt-foot plate GD-Zn 45	Ø44	30 kN	black	90.0 g	WZ.44.1045.00.F.E (P)
Tilt-foot plate GD-Zn 50	Ø49	30 kN	black	126.0 g	WZ.44.1050.00.F.E (P)
Tilt-foot plate GD-Zn 60	Ø59	30 kN	black	160.0 g	WZ.44.1060.00.F.E (P)
Tilt-foot plate GD-Zn 80	Ø79	30 kN	black	260.0 g	WZ.44.1080.00.F.E (P)
Tilt-foot plate GD-Zn 100	Ø99	35 kN	black	400.0 g	WZ.44.1100.00.F.E (P)

Description	D	F		Wt	Article No. E (P)
Tilt-foot plate, stainless steel 30	Ø29	20 kN		62.0 g	WZ.44.1030.00.C.E (P)
Tilt-foot plate, stainless steel 40	Ø39	30 kN		99.0 g	WZ.44.1040.00.C.E (P)
Tilt-foot plate, stainless steel 45	Ø44	30 kN		123.0 g	WZ.44.1045.00.C.E (P)
Tilt-foot plate, stainless steel 50	Ø49	35 kN		158.0 g	WZ.44.1050.00.C.E (P)
Tilt-foot plate, stainless steel 60	Ø59	35 kN		218.0 g	WZ.44.1060.00.C.E (P)
Tilt-foot plate, stainless steel 80	Ø79	35 kN		380.0 g	WZ.44.1080.00.C.E (P)
Tilt-foot plate, stainless steel 100	Ø99	40 kN		605.0 g	WZ.44.1100.00.C.E (P)

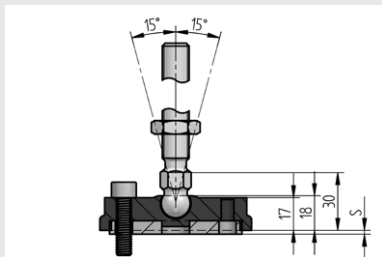
Tilt-foot plates with mounting holes



Technical data:
 F = static load max. in kN

Material:
 PA: PA-GF, black

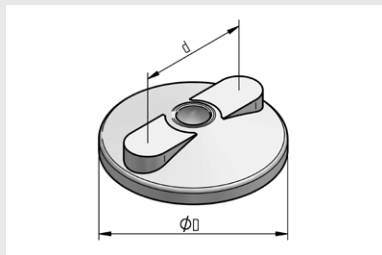
Quantity unit:
 E = 1 piece
 P = 100 pcs



Comments:
 The holes for fastening screws are closed on the upper side and can be bored open if required.

S = height of:

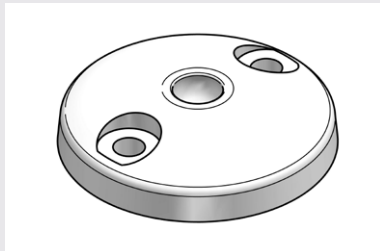
- anti-slip disc (S = 2 mm)
- cushion element (S = 10 mm)



Without mounting holes M8

Description	D	d	F	Wt	Article No. E (P)
Tilt-foot plate PA 80	Ø79	Ø54	9 kN	46.0 g	WZ.44.1080.01.P.E (P)
Tilt-foot plate PA 100	Ø99	Ø74	9 kN	85.0 g	WZ.44.1100.01.P.E (P)

Tilt-foot plates with mounting holes


Technical data:

F = static load max. in kN

Material:

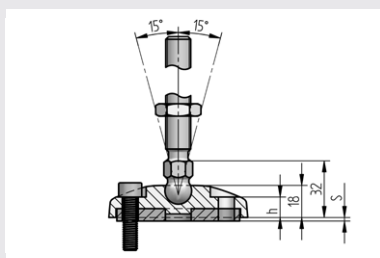
GD-Zn: GD-Zn, black powder-coated

stainless steel: 1.4305, blank

Quantity unit:

E = 1 piece

P = 100 pcs


Comments:

Mounting hole with counterbore

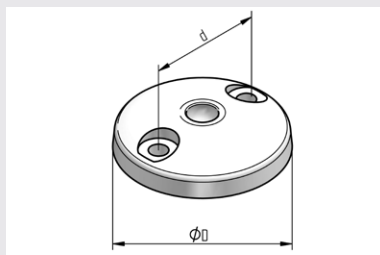
DIN 74 - Jm8 for cap screw

DIN 6912 - M8

S = height of:

- anti-slip disc (S = 2 mm)
- cushion element (S = 10 mm)

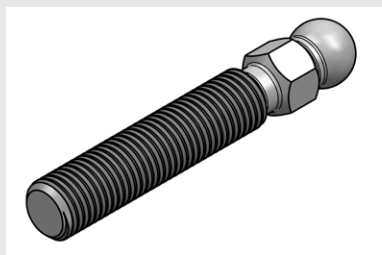
Design with mounting holes M8



Description	D	h	d	F	Wt	Article No. E (P)
Tilt-foot plate GD-Zn 80	Ø79	11.5	Ø54	30 kN	260.0 g	WZ.44.1080.01.F.E (P)
Tilt-foot plate GD-Zn 100	Ø99	11.5	Ø74	35 kN	377.0 g	WZ.44.1100.01.F.E (P)
Tilt-foot plate GD-Zn 120	Ø119	11.5	Ø94	35 kN	570.0 g	WZ.44.1120.01.F.E (P)

Description	D	h	d	F	Wt	Article No. E (P)
Tilt-foot plate, stainless steel 80	Ø79	11.0	Ø54	30 kN	354.0 g	WZ.44.1080.01.C.E (P)
Tilt-foot plate, stainless steel 100	Ø99	11.0	Ø74	40 kN	587.0 g	WZ.44.1100.01.C.E (P)

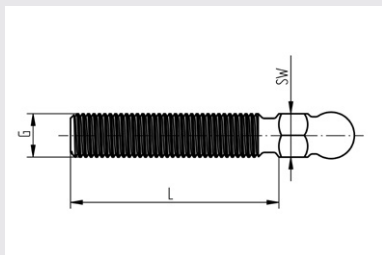
Adjustable tilt-foot spindles



Technical data:

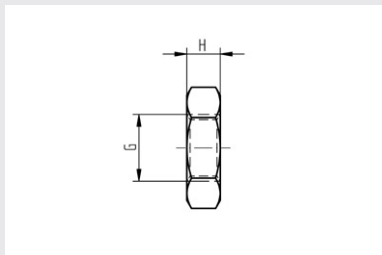
Material:
 steel: steel, galvanised
 stainless steel: 1.4305, pickled and passivated

Quantity unit:
 E = 1 piece
 P = 100 pcs



Description	G	L	SW	Wt	Article No. E (P)
Adjustable tilt-foot spindle, steel	M8	40	14	17.0 g	WZ.44.M08040.00.F.E (P)
Adjustable tilt-foot spindle, steel	M8	80	14	31.0 g	WZ.44.M08080.00.F.E (P)
Adjustable tilt-foot spindle, steel	M14	66	14	87.0 g	WZ.44.M14066.00.F.E (P)
Adjustable tilt-foot spindle, steel	M14	100	14	119.0 g	WZ.44.M14100.00.F.E (P)
Adjustable tilt-foot spindle, steel	M14	150	14	166.0 g	WZ.44.M14150.00.F.E (P)
Adjustable tilt-foot spindle, steel	M16	100	17	155.0 g	WZ.44.M16100.00.F.E (P)
Adjustable tilt-foot spindle, steel	M16	150	17	220.0 g	WZ.44.M16150.00.F.E (P)
Adjustable tilt-foot spindle, steel	M20	100	22	237.0 g	WZ.44.M20100.00.F.E (P)

Description	G	L	SW	Wt	Article No. E (P)
Adjustable tilt-foot spindle, stainless steel	M14	66	14	87.0 g	WZ.44.M14066.00.C.E (P)
Adjustable tilt-foot spindle, stainless steel	M14	100	14	119.0 g	WZ.44.M14100.00.C.E (P)
Adjustable tilt-foot spindle, stainless steel	M14	150	14	166.0 g	WZ.44.M14150.00.C.E (P)

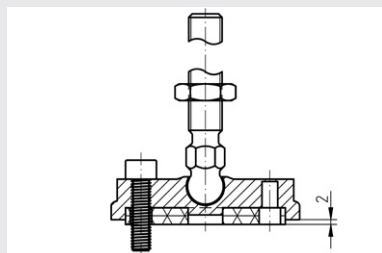


Description	G	H	SW	Wt	Article No. E (P)
Adjustable tilt-foot nut, steel	M14	7	19	16.0 g	WZ.44.3M14.00.F.E (P)

Description	G	H	SW	Wt	Article No. E (P)
Adjustable tilt-foot nut, stainless steel	M14	7	19	16.0 g	WZ.44.3M14.00.C.E (P)

Tilt-foot anti-slip discs

Tilt-foot cushion elements

**Application:**

Element for protection against dislocation and floor damage

Technical data:

F = static load max. in kN

material: NBR, 80 Shore

- oil and water resistant

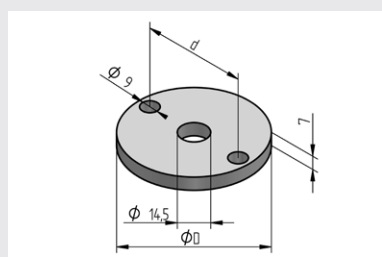
Colour:

- black

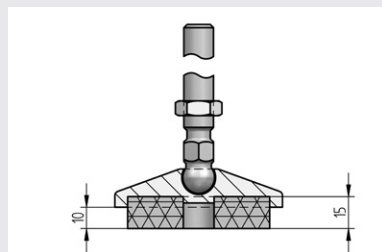
Quantity unit:

E = 1 piece

P = 100 pcs



Description	D	d	F	Wt	Article No. E (P)
Tilt-foot anti-slip disc 30	Ø20	-	5 kN	2.0 g	WZ.44.2030.02.0.E (P)
Tilt-foot anti-slip disc 40	Ø30	-	6 kN	4.0 g	WZ.44.2040.02.0.E (P)
Tilt-foot anti-slip disc 45	Ø35	-	7 kN	5.5 g	WZ.44.2045.02.0.E (P)
Tilt-foot anti-slip disc 50	Ø39	-	8 kN	7.5 g	WZ.44.2050.02.0.E (P)
Tilt-foot anti-slip disc 60	Ø49	-	9 kN	12.0 g	WZ.44.2060.02.0.E (P)
Tilt-foot anti-slip disc 80	Ø67	Ø54	10 kN	22.0 g	WZ.44.2080.02.0.E (P)
Tilt-foot anti-slip disc 100	Ø87	Ø74	10 kN	36.0 g	WZ.44.2100.02.0.E (P)
Tilt-foot anti-slip disc 120	Ø107	Ø94	10 kN	57.0 g	WZ.44.2120.02.0.E (P)

**Application:**

Cushion element protecting against oscillation

Technical data:

F = static load max. in N

material: NBR, 70 Shore

- oil and water resistant

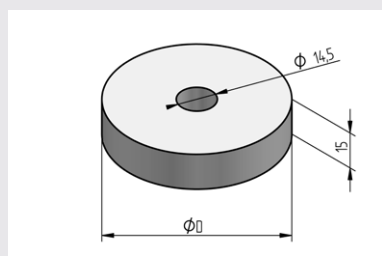
Colour:

- black

Quantity unit:

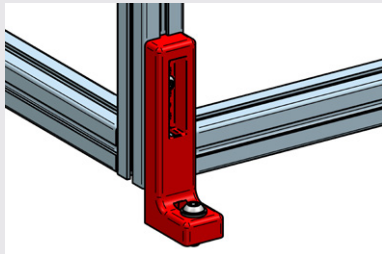
E = 1 piece

P = 100 pcs



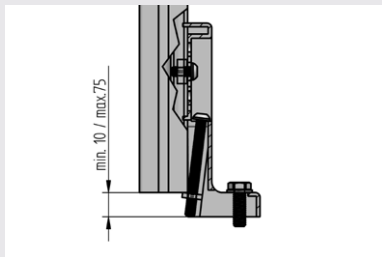
Description	D	F	Wt	Article No. E (P)
Tilt-foot cushion element 40	Ø30	150 N	14.0 g	WZ.44.3040.02.0.E (P)
Tilt-foot cushion element 45	Ø35	175 N	19.0 g	WZ.44.3045.02.0.E (P)
Tilt-foot cushion element 50	Ø39	200 N	24.0 g	WZ.44.3050.02.0.E (P)
Tilt-foot cushion element 60	Ø49	250 N	35.0 g	WZ.44.3060.02.0.E (P)
Tilt-foot cushion element 80	Ø67	500 N	68.0 g	WZ.44.3080.02.0.E (P)
Tilt-foot cushion element 100	Ø87	800 N	118.0 g	WZ.44.3100.02.0.E (P)
Tilt-foot cushion element 120	Ø107	1'200 N	188.0 g	WZ.44.3120.02.0.E (P)

Angular adjusting feet



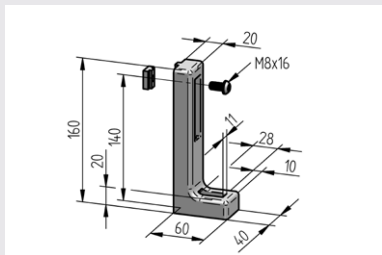
Application:
For fastening of frames to floors or walls

Technical data:
max. static load: 10'000 N



Material:
base part: GD-Al, black
nut: steel, galvanised
screw: steel, galvanised

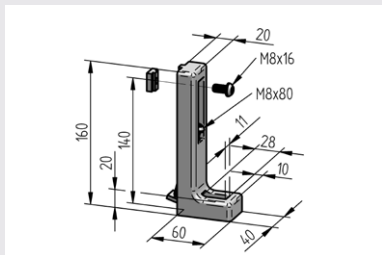
Quantity unit:
E = 1 piece
P = 100 pcs



Description	Wt	Article No.
Angular adjusting foot without adjusting screw	481.0 g	WZ.44.416040.01.F.E

Delivery unit:

- base part
- nut M8
- screw M8x16 – 10.9

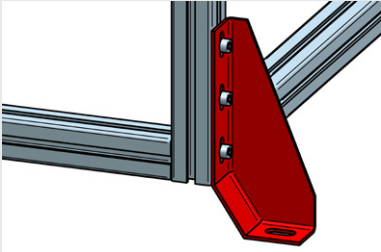


Description	Wt	Article No.
Angular adjusting foot with adjusting screw	528.0 g	WZ.44.416040.02.F.E

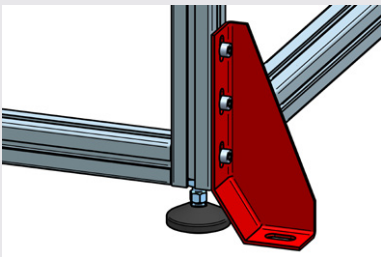
Delivery unit:

- base part
- nut M8
- screw M8x16 – 10.9
- screw M8x80 – 10.9
- square nut

Base angles

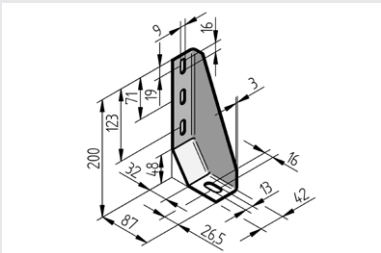


Application
For fastening of frames to floors or walls



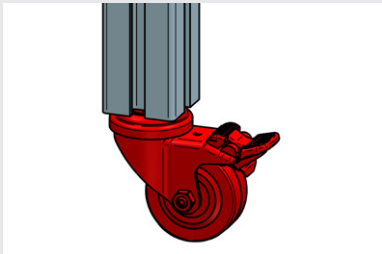
Suitable for use together with levelling feet with max. diameter 100 mm

Technical data:
material: sheet steel
surface: galvanised and black powder-coated

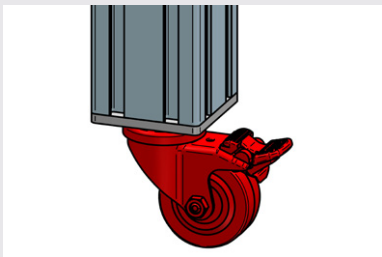


Description	surface	Wt	Article No.
Base angle 200x87x42	galvanised	413.0 g	WZ.44.420087.01.F.E
Base angle 200x87x42	black	413.0 g	WZ.44.420087.02.F.E

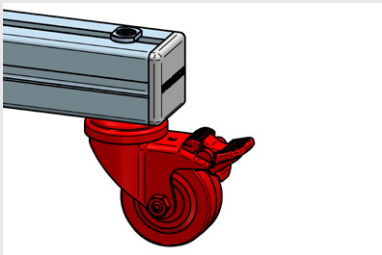
Castors



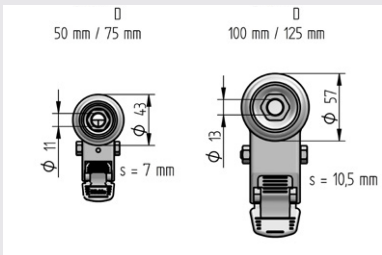
Fastening in core hole



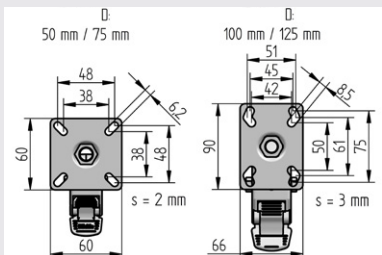
Fastening through base plate for profile without centric core hole



Fastening by press-fit threaded insert across the profile

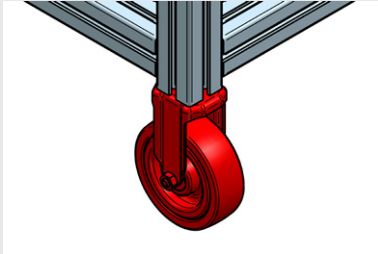


Bolt hole type



Fitting plate type

Fixed castors



Technical data:

F_{max} = max. static load in N

Material:

capsule: sheet steel, galvanised
wheels: solid rubber tyres, grey

Bolt hole type:

- Ø50/75: s = 2.0 mm
- Ø100/125: s = 2.5 mm

Capsule width c:

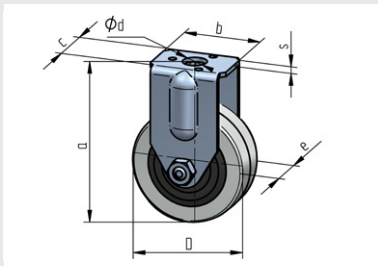
- Ø50/75: c = 27 mm
- Ø100/125: c = 43 mm

Mounting bore:

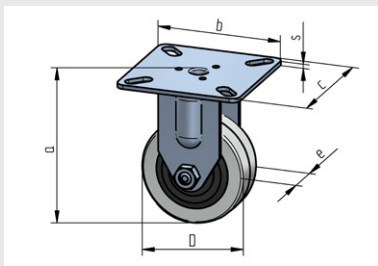
- Ø50/75: d = 10.5 mm
- Ø100/125: d = 12.5 mm

Caption:

D: wheel-Ø
a: total height
b: dimensions plate
e: tyre width

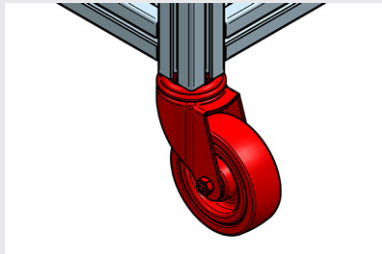


Description	D	a	b	e	F_{max}	Wt	Article No.
Fixed castor with bolt hole	50	69	30	18	390 N	130.0 g	WZ.45.1050.01.0.E
Fixed castor with bolt hole	75	98	34	25	580 N	240.0 g	WZ.45.1075.01.0.E
Fixed castor with bolt hole	100	133	57	32	1080 N	500.0 g	WZ.45.1100.01.0.E
Fixed castor with bolt hole	125	158	57	32	1180 N	900.0 g	WZ.45.1125.01.0.E



Description	D	a	b x c	e	F_{max}	Wt	Article No.
Fixed castor with plate	50	71	60x60	18	390 N	190.0 g	WZ.45.1050.02.0.E
Fixed castor with plate	75	100	60x60	25	580 N	300.0 g	WZ.45.1075.02.0.E
Fixed castor with plate	100	136	90x66	32	1080 N	610.0 g	WZ.45.1100.02.0.E
Fixed castor with plate	125	161	90x66	32	1180 N	1010.0 g	WZ.45.1125.02.0.E

Swivel castors



Technical data:

F_{max} = max. static load in N

Material:

capsule: sheet steel, galvanised
wheels: solid rubber tyres, grey

Bolt hole type:

- Ø50/75: s = 2.0 mm
- Ø100/125: s = 2.5 mm

Supporting surface c:

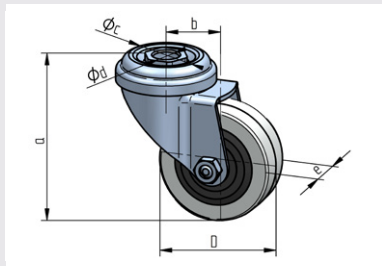
- Ø50/75: c = 43 mm
- Ø100/125: c = 57 mm

Mounting bore:

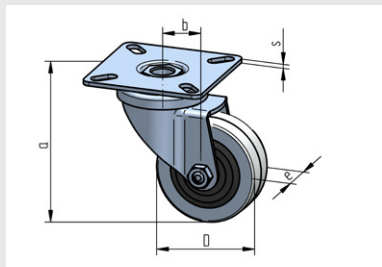
- Ø50/75: d = 10.5 mm
- Ø100/125: d = 12.5 mm

Caption:

D: wheel-Ø
a: total height
b: overhang swivel castor
e: tyre width



Description	D	a	b	e	F_{max}	Wt	Article No.
Swivel castor with bolt hole	50	69	25	18	390 N	180.0 g	WZ.45.2050.01.0.E
Swivel castor with bolt hole	75	98	30.5	25	590 N	310.0 g	WZ.45.2075.01.0.E
Swivel castor with bolt hole	100	133	43	32	1080 N	680.0 g	WZ.45.2100.01.0.E
Swivel castor with bolt hole	125	158	43	32	1180 N	890.0 g	WZ.45.2125.01.0.E

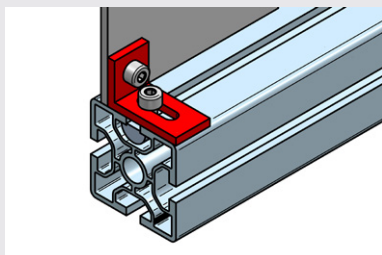


Description	D	a	b	e	F_{max}	Wt	Article No.
Swivel castor with plate	50	71	25	18	390 N	230.0 g	WZ.45.2050.02.0.E
Swivel castor with plate	75	100	30.5	25	590 N	360.0 g	WZ.45.2075.02.0.E
Swivel castor with plate	100	136	43	32	1080 N	780.0 g	WZ.45.2100.02.0.E
Swivel castor with plate	125	161	43	32	1180 N	990.0 g	WZ.45.2125.02.0.E

Technical drawing of a wheel assembly. Dimensions shown include: ϕ_c (top diameter), ϕ_a (middle diameter), a (height), b (width of the top part), d (width of the wheel), and e (offset).

Technical drawing of a castor assembly. The drawing shows a castor with a square mounting plate, a swivel wheel, and a locking mechanism. Dimensions are indicated by arrows and labels: 'a' for the total height, 'b' for the plate width, 'c' for the wheel diameter, 'd' for the wheel width, 'e' for the wheel offset, and 's' for the plate thickness.

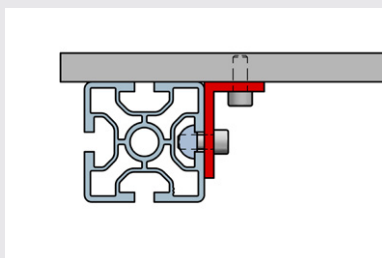
Angles 25x40



Fastening of panels

Application:

Angle bracket for the mounting of panels, table tops, switches and accessories



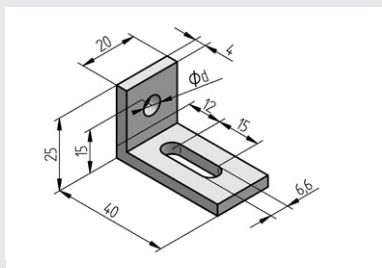
Fastening of table tops

Technical data:

material: aluminium
strength F22
surface: natural anodised

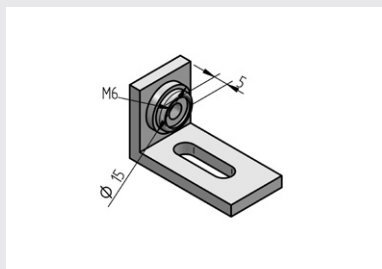
Quantity unit:

E = 1 piece
P = 100 pcs



Design with clearance hole drilling

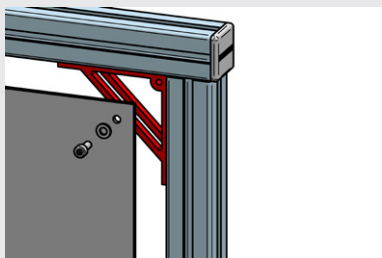
Description	d	Wt	Article No. E (P)
Angle 25x40, hole	Ø6.6	11.0 g	WZ.46.12540.06.E (P)
Angle 25x40, hole	Ø8.7	10.0 g	WZ.46.12540.08.E (P)



Design with nut M6 ± 0.5 mm floating in cage

Description	d	Wt	Article No. E (P)
Angle 25x40, thread	M6	15.0 g	WZ.46.12540.M6.E (P)

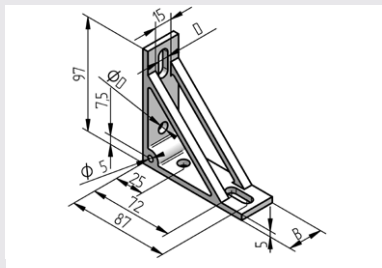
Angle connectors aluminum



Mounting of cover panels

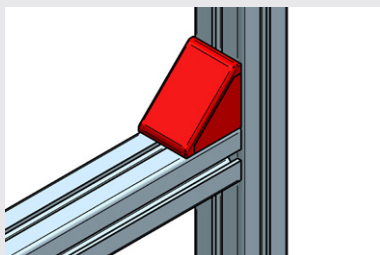
Application:
For supporting of profiles and mounting of cover panels

Technical data:
material: aluminium
strength F22
surface: natural anodised



Description	D	B	Wt	Article No.
Angle Alu 100x100	Ø6.6	30	95.0 g	WZ.46.11010.36.E
Angle Alu 100x100	Ø9.0	30	93.0 g	WZ.46.11010.39.E
Angle Alu 100x100	Ø6.6	45	155.0 g	WZ.46.11010.46.E
Angle Alu 100x100	Ø9.0	45	153.0 g	WZ.46.11010.49.E

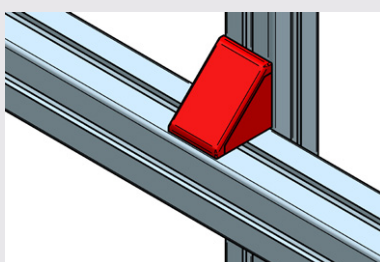
Angle connectors GD-Zn large


Application:

For supporting of profiles and mounting of various machine components

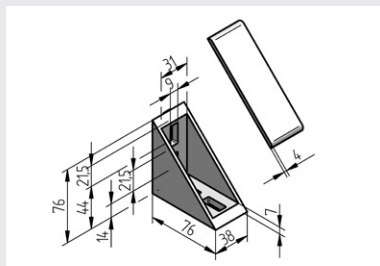
Quantity unit:

E = 1 piece
P = 100 pcs

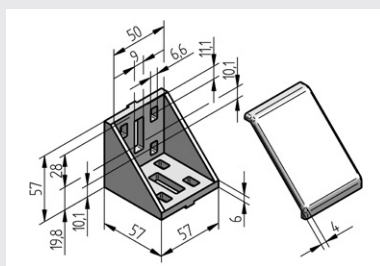

Material:

angle: GD-Zn,
end caps: PA-GK 30
surface (O): b = blank
p = aluminium-coloured powder-coated

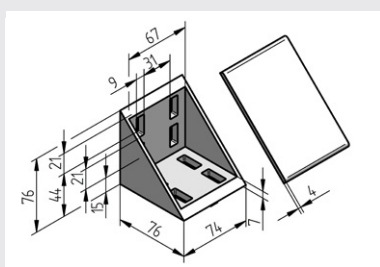
For mounting cross to the slot the noses can be lifted



Description	Dimensions	O	Wt	Article No. E (P)
Angle GD-Zn, 76x76x38	76x76x38	b	273.0 g	WZ.46.27676.01.E (P)
Angle GD-Zn, 76x76x38	76x76x38	p	273.0 g	WZ.46.27676.02.E (P)
End cap for angle GD-Zn, 76x76x38	76x76x38		16.8 g	WZ.46.27676.03.E (P)

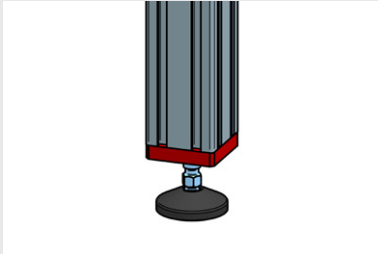


Description	Dimensions	O	Wt	Article No. E (P)
Angle GD-Zn, 57x57x57	57x57x57	b	296.7 g	WZ.46.25757.01.E (P)
Angle GD-Zn, 57x57x57	57x57x57	p	296.7 g	WZ.46.25757.02.E (P)
End cap for angle GD-Zn, 57x57x57	57x57x57		22.8 g	WZ.46.25757.03.E (P)



Description	Dimensions	O	Wt	Article No. E (P)
Angle GD-Zn, 76x76x74	76x76x74	b	434.5 g	WZ.46.27676.11.E (P)
Angle GD-Zn, 76x76x74	76x76x74	p	434.5 g	WZ.46.27676.12.E (P)
End cap for angle GD-Zn, 76x76x74	76x76x74		32.7 g	WZ.46.27676.13.E (P)

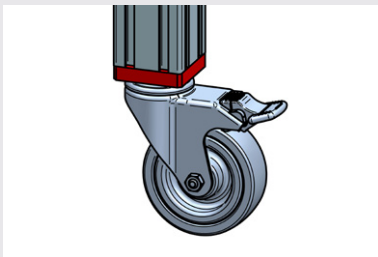
Base plates with thread



Fastening of levelling feet

Application:

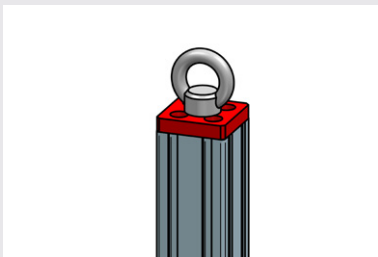
Base and transporting plate for profiles without centric core hole



Fastening of castors

Technical data:

material: aluminium
strength: F22
surface: natural anodised
thread: M14



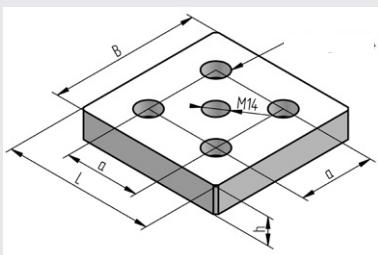
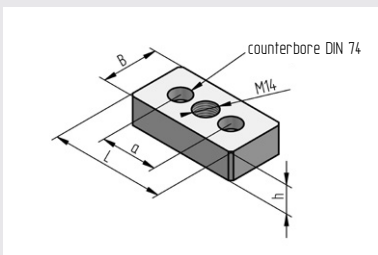
Fastening of eye-bolts

Accessories:

cap screw DIN 912

Comments:

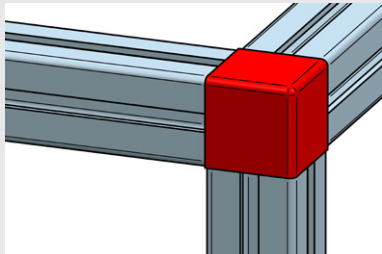
counterbore DIN 74 for cap screw DIN 912



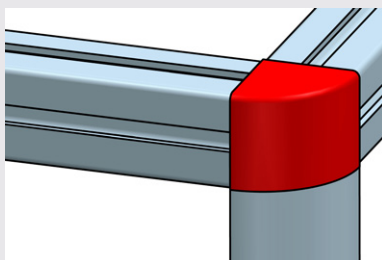
Description	DIN 74	B x L	h	a	Wt	Article No.
Base plate 30x60	Km6	30 x 60	15	30	104.0 g	WZ.47.030060.02.E
Base plate 40x80	Km8	40 x 80	15	40	205.0 g	WZ.47.040080.02.E
Base plate 50x100	Km8	50 x 100	15	50	317.0 g	WZ.47.050100.02.E

Description	DIN 74	B x L	h	a	Wt	Article No.
Base plate 60x60	Km8	60 x 60	15	30	158.0 g	WZ.47.060060.02.E
Base plate 80x80	Km8	80 x 80	15	40	434.0 g	WZ.47.080080.02.E
Base plate 100x100	Km8	100 x 100	15	50	601.0 g	WZ.47.100100.02.E

Corner pieces



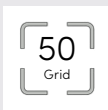
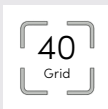
Corner piece cubic: for the connection of 3 square profiles



Corner piece segment: for connection of 2 square profiles and 1 soft profile

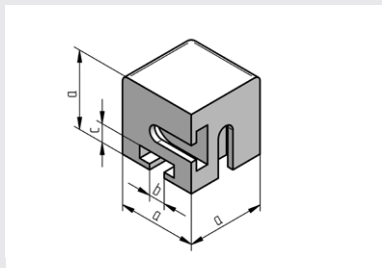
Technical data:

material: aluminium
strength F22
surface: natural anodised

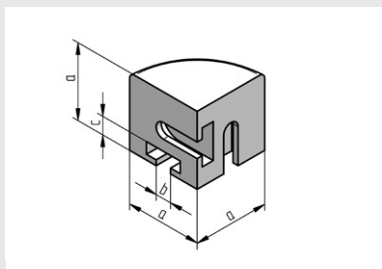


Generally:

The optically sophisticated corner pieces are made of solid aluminium and provide the full connection stability.

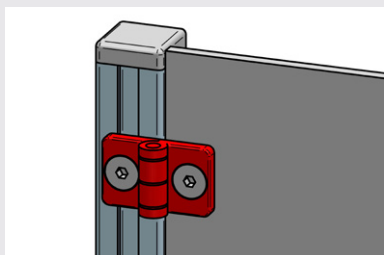


Description	Slot	b	c	Wt	Article No.
Corner piece square, a = 30	B	8.2	6.2	59.0 g	WZ.48.030030.00.E
Corner piece square, a = 40	C	8.2	9.0	135.0 g	WZ.48.040040.00.E
Corner piece square, a = 50	D	8.2	10.0	292.0 g	WZ.48.050050.00.E

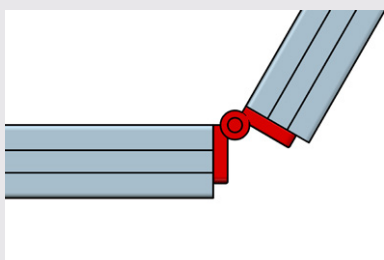


Description	Slot	b	c	Wt	Article No.
Corner piece segment, a = 30	B	8.2	6.2	43.0 g	WZ.48.030030.01.E
Corner piece segment, a = 40	C	8.2	9.0	100.0 g	WZ.48.040040.01.E
Corner piece segment, a = 50	D	8.2	10.0	222.0 g	WZ.48.050050.01.E

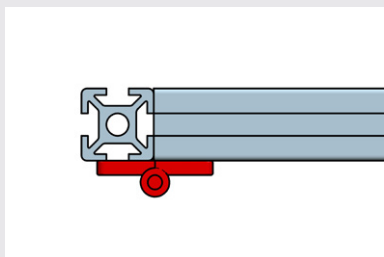
Hinges



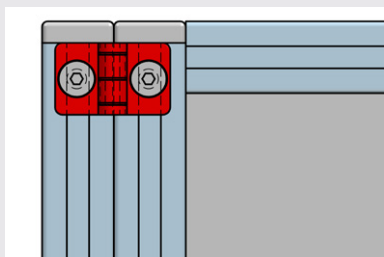
Application:
hinges for light doors and flaps



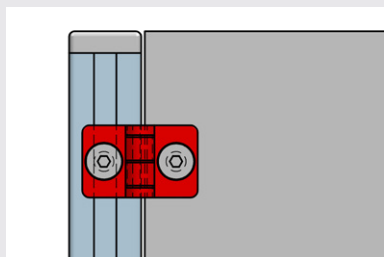
face-sided connection of 2 profiles



rectangular connection of 2 profiles

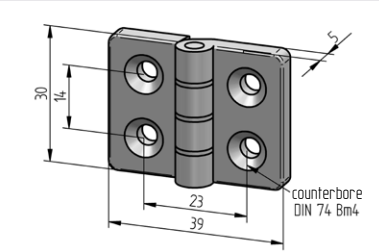


doors with profile frames



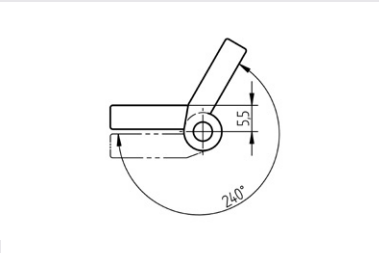
doors with panel elements without
profile frames

Hinges 20x32–30x39–40x40



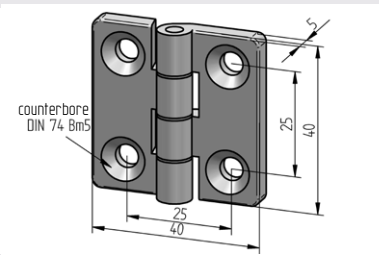
Description	Colour	Material	F _{max}	Wt	Article No.
Hinge 30 x 39	black	PA-GF	100 N	7.6 g	WZ.49.130390.0.E

Comments:
 counterbore DIN 74 - Bm4 for
 countersunk screw DIN 7991 - M4



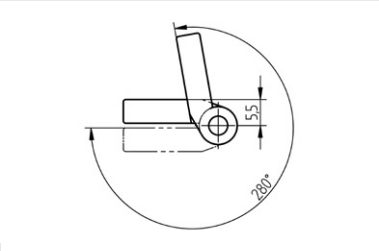
Technical data:
 swivel angle: 0-240°
 F_{max} = max. static load per hinge,
 e.g. weight of a door

not to unhinge



Description	Colour	Material	F _{max}	Wt	Article No.
Hinge 40 x 40	black	GD-Zn	150 N	55.0 g	WZ.49.740400.0.E

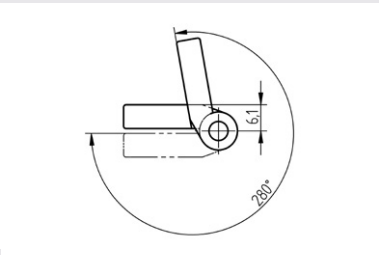
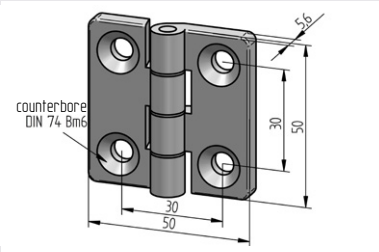
Comments:
 counterbore DIN 74 - Bm5 for
 countersunk screw DIN 7991 - M5



Technical data:
 swivel angle: 0-280°
 F_{max} = max. lateral static load per hinge,
 e.g. weight of a door

not to unhinge

Hinge 50x50



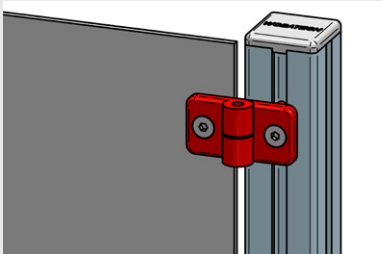
Description	Colour	Material	F _{max}	Wt	Article No.
Hinge 50 x 50	black	GD-Zn	200 N	70.0 g	WZ.49.750500.0.E

Comments:
 counterbore DIN 74 - Bm6 for
 countersunk screw DIN 7991 - M6

Technical data:
 swivel angle: 0-280°
 F_{max} = max. lateral static load per hinge,
 direction of load parallel to hinge

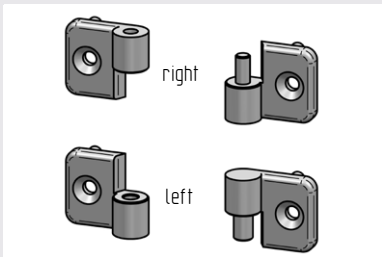
not to unhinge

Lift-off hinges 32x60

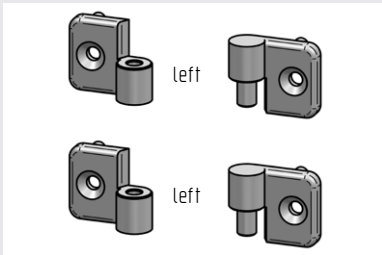


Application:
Liftable doors can be retrofitted into unliftable doors

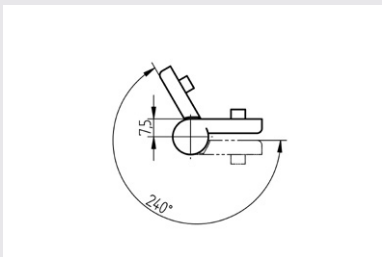
Material:
wing: PA-GF, black
hinge bolt: stainless steel



Non-liftable door with one right- and one left-sided hinge

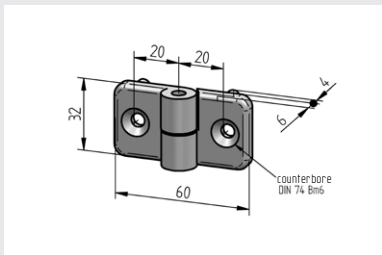


Liftable door with two left hinges



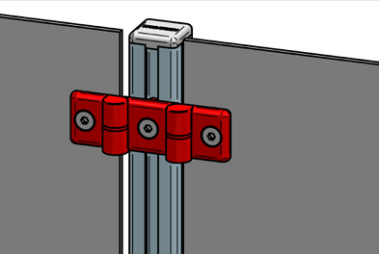
Description	Colour	Material	F _{max}	Wt	Article No.
Hinge 32x60 left	black	PA-GF	100 N	21.0 g	WZ.49.332600.1.E
Hinge 32x60 right	black	PA-GF	100 N	21.0 g	WZ.49.332600.2.E

Comments:
counterbore DIN 74 – Bm6 for countersunk screw DIN 7991 – M6



Technical data:
swivel angle: 0–240°
F_{max} = max. lateral static load, direction of load parallel to hinge

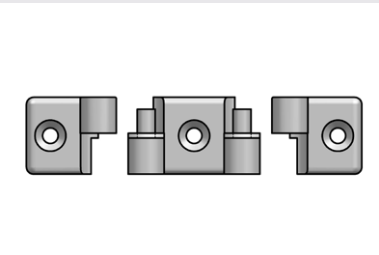
Double hinge 32x100



Application:
Hinge for doors and flaps

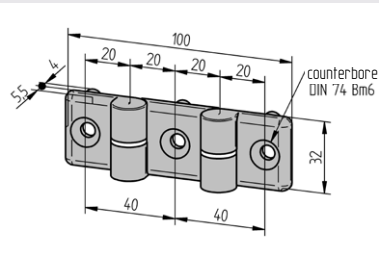
Technical data:
swivel angle: 0–240°
 F_{max} = max. lateral static load per hinge,
direction of load parallel to hinge

Liftable doors

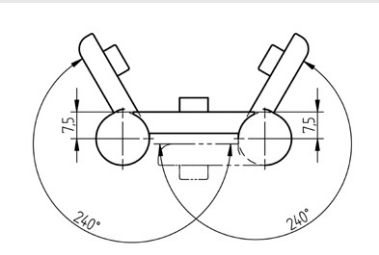


Material:
wing: PA-GF, black
hinge bolt: stainless steel

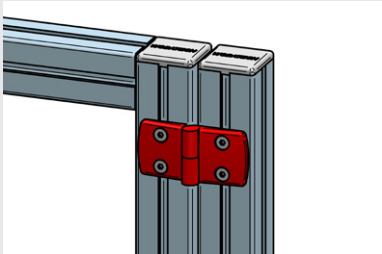
Comments:
counterbore DIN 74 - Bm6 for
countersunk screw DIN 7991 - M6



Description	Colour	Material	F_{max}	Wt	Article No.
Double hinge 32x100	black	PA-GF	100 N	40.0 g	WZ.49.432100.0.E

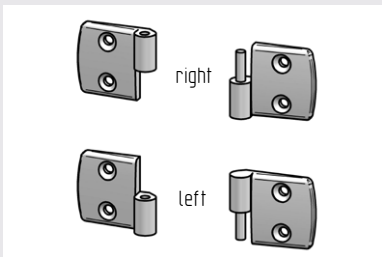


Lift-off hinges 48

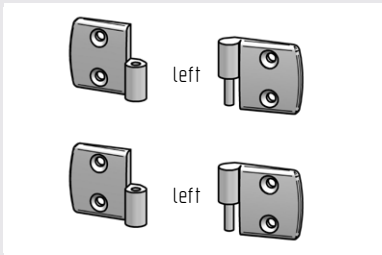


Application:
Liftable doors can be retrofitted into unliftable doors

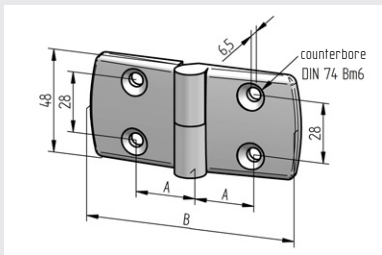
Material:
wing: PA-GF, black
hinge bolt: stainless steel



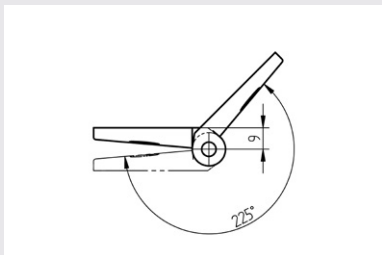
Non-liftable door with one right- and one left-sided hinge



Liftable door with two left hinges



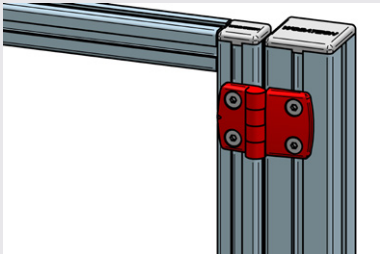
Description	A	B	F _{max}	Wt	Article No.
Hinge 30 left	17.5	59	500 N	34.0 g	WZ.49.248590.1.E
Hinge 30 right	17.5	59	500 N	34.0 g	WZ.49.248590.2.E
Hinge 40 left	22.5	77	350 N	42.0 g	WZ.49.248770.1.E
Hinge 40 right	22.5	77	350 N	42.0 g	WZ.49.248770.2.E
Hinge 50 left	27.5	97	320 N	48.0 g	WZ.49.248970.1.E
Hinge 50 right	27.5	97	320 N	48.0 g	WZ.49.248970.2.E



Technical data:
swivel angle: 0-225°
F_{max} = max. lateral static load per hinge,
direction of load parallel to hinge

Comments:
counterbore DIN 74 - Bm6 for
countersunk screw DIN 7991 - M6

Combination hinges 48

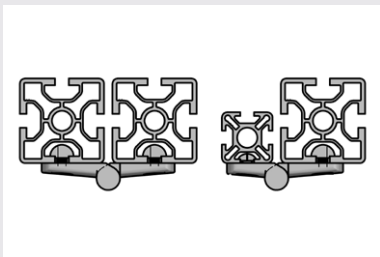


Application:

The hinges enable the connection of profiles with different widths

Technical data:

swivel angle: 0–225°
 F_{max} = max. lateral static load per hinge,
 e.g. weight of a door

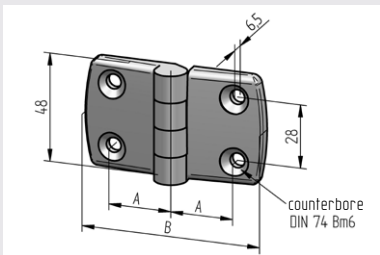


Material:

wing: PA-GF, black
 hinge bolt: stainless steel

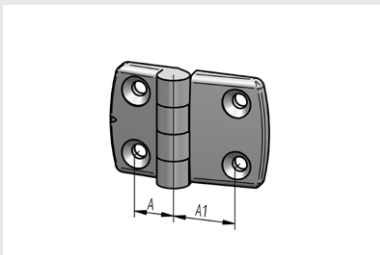
Comments:

counterbore DIN 74 - Bm6 for
 countersunk screw DIN 7991 - M6



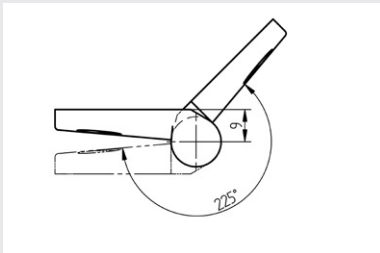
Symmetric design

Description	A	B	F_{max}	Wt	Article No.
Lift off hinge 30	17.5	59	400 N	36.0 g	WZ.49.54817/17.E
Lift off hinge 40	22.5	77	450 N	43.0 g	WZ.49.54822/22.E
Lift off hinge 45	25.0	87	450 N	46.0 g	WZ.49.54825/25.E
Lift off hinge 50	27.5	97	425 N	49.0 g	WZ.49.54827/27.E



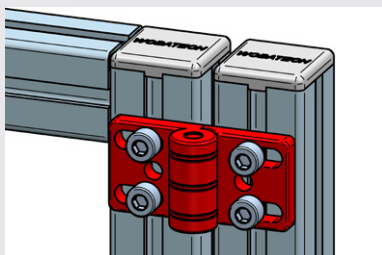
Asymmetric design

Description	A	A1	F_{max}	Wt	Article No.
Lift off hinge, 30/40	17.5	22.5	450 N	39.5 g	WZ.49.54817/22.E
Lift off hinge, 30/45	17.5	25.0	450 N	41.0 g	WZ.49.54817/25.E
Lift off hinge, 30/50	17.5	27.5	425 N	42.5 g	WZ.49.54817/27.E
Lift off hinge, 40/45	22.5	25.0	450 N	44.5 g	WZ.49.54822/25.E
Lift off hinge, 40/50	22.5	27.5	425 N	46.0 g	WZ.49.54822/27.E
Lift off hinge, 45/50	25.0	27.5	425 N	47.5 g	WZ.49.54825/27.E



not to unhinge!

Hinge 30x60–40x80 longhole

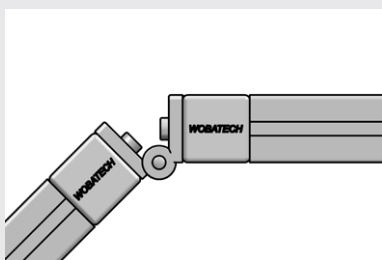


Application:

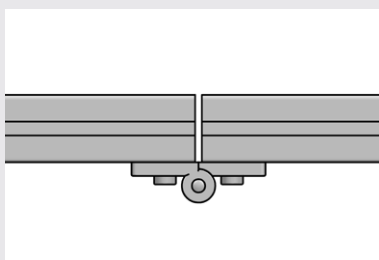
Hinge for higher loads such as doors with profile frames

Material:

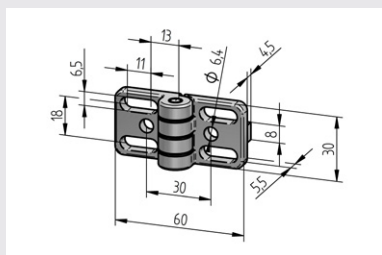
wing: GD-Zn, black powder-coated
hinge bolt: stainless steel



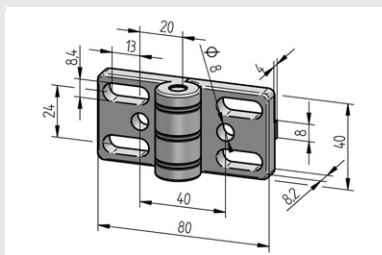
Face-sided connection of 2 profiles
with anti-twist device (cam 4x8 mm)



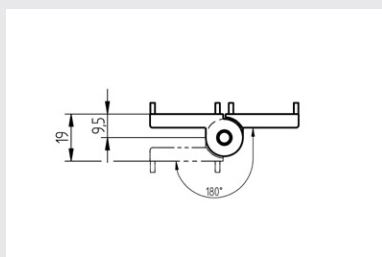
Connection of 2 horizontal profiles with anti-twist device (cam 4x8 mm)



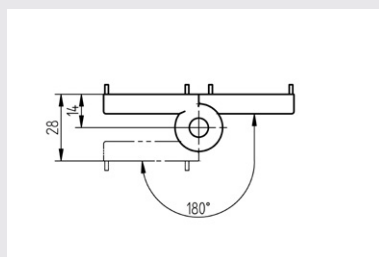
Description	Colour	Material	F _{max}	Wt	Article No.
Hinge 30x60	black	GD-Zn	350 N	68.5 g	WZ.49.630600.0.E



Description	Colour	Material	F _{max}	Wt	Article No.
Hinge 40x80	black	GD-Zn	500 N	175.0 g	WZ.49.640801.0.E



Hinge 30x60



Hinge 40x80

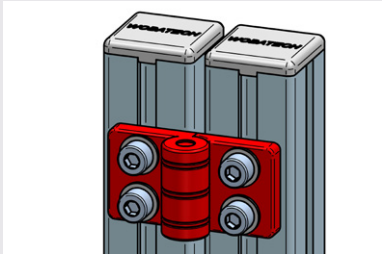
Technical data:

swivel angle: 0-180°

$$F_{\max} = \text{max. lateral static load per hinge, direction of load parallel to hinge}$$

not to unhinge

Hinge 40x80

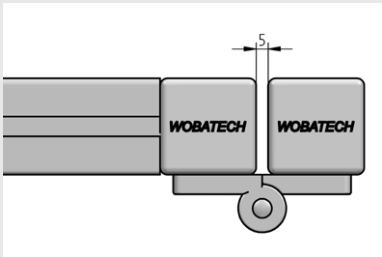


Application:

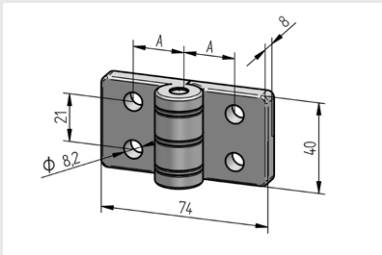
Hinge for higher loads such as doors with profile frames

Material:

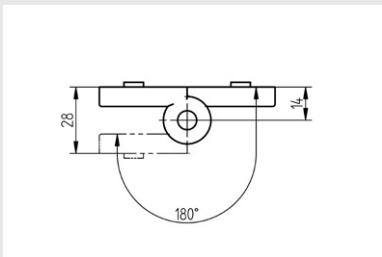
wing: GD-Zn, black powder-coated
hinge bolt: stainless steel



Connection of 2 vertical profiles
with anti-twist device (cam 4x8 mm)



Description	A	F _{max}	Wt	Article No.
Hinge 40x80	22.5	750 N	194.0 g	WZ.49.640802.0.E

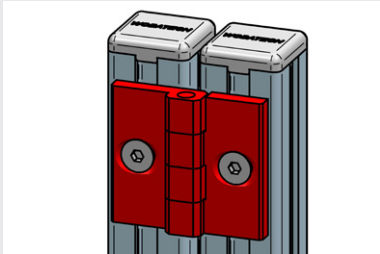


Technical data:

swivel angle: 0-180°
F_{max} = max. lateral static load per hinge,
e.g. weight of a door

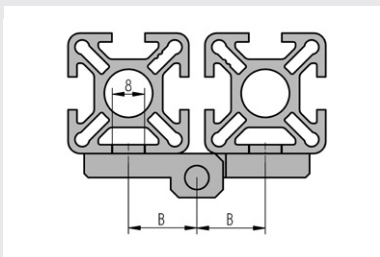
not to unhinge

Hinge 50x56

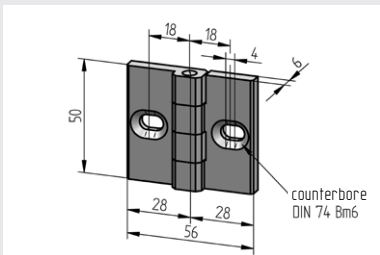


Application:
Hinge with detachable fixing plug for different slot distances

Material:
wing: GD-Zn, black powder-coated
hinge bolt: stainless steel
positioning plugs: steel, galvanised

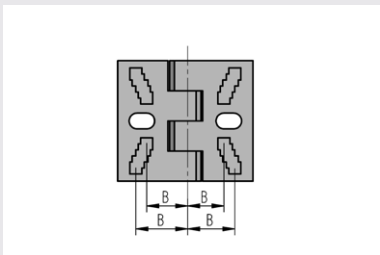


Doors with profile frames



Description	Colour	Material	F _{max}	Wt	Article No.
Hinge 50x56	black	GD-Zn	250 N	112.0 g	WZ.49.750560.0.E

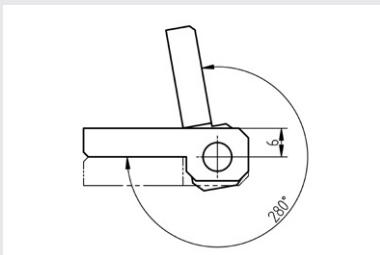
Delivery unit:
• Hinge 50x56
• 4 positioning plugs for B/C/D -slots



back view: distances for positioning plugs

Positioning plugs:
The squared positioning plugs can be placed in the slotted plug-in position of the hinge. Due to this an anti-twist for variable mounting width is enabled.

B = 16.5/17.5/18.5/19/20 (grid dimensions)

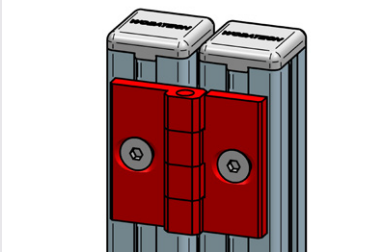


Technical data:
swivel angle: 0-280°
F_{max} = max. lateral static load per hinge, e.g. weight of a door

Comments:
counterbore DIN 74 - Bm6 for countersunk screw DIN 7991 - M6

not to unhinge

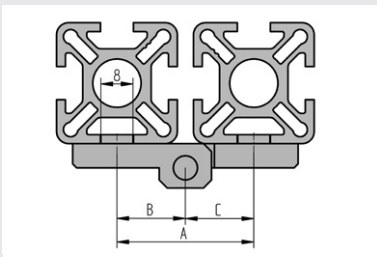
Hinge 50x68


Application:

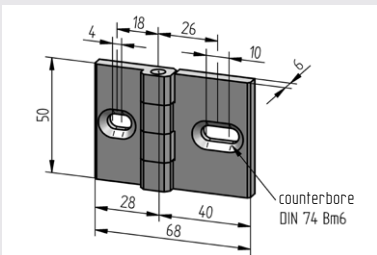
Hinge with detachable fixing plug for different slot distances

Material:

wing: GD-Zn, black powder-coated
hinge bolt: stainless steel
positioning plugs: steel, galvanised



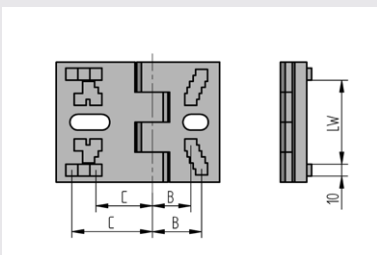
Doors with profile frames



Description	Colour	Material	F _{max}	Wt	Article No.
Hinge 50x68	black	GD-Zn	250 N	130.0 g	WZ.49.750680.0.E

Delivery unit:

- Hinge 50x68
- 4 positioning plugs for B/C/D -slots



back view: distances for positioning plugs

Positioning plugs:

The squared positioning plugs can be placed in the slotted plug-in position of the hinge. Due to this an anti-twist for variable mounting width is enabled.

B = 16.5/17.5/18.5/19/20 (grid dimensions)
C = 21/21.5/23.5/26/27.5/31 (grid dimensions)

Technical data:

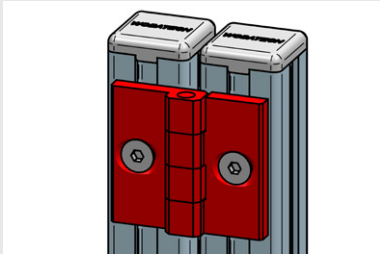
swivel angle: 0-280°
F_{max} = max. lateral static load per hinge,
e.g. weight of a door

Comments:

counterbore DIN 74 - Bm6 for
countersunk screw DIN 7991 - M6

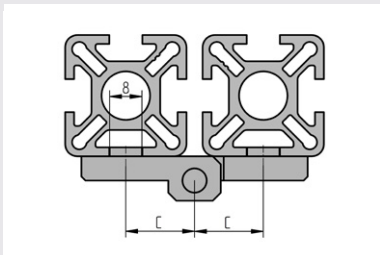
not to unhinge

Hinge 50x80

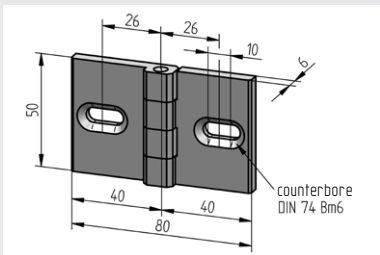


Application:
Hinge with detachable fixing plug for different slot distances

Material:
wing: GD-Zn, black powder-coated
hinge bolt: stainless steel
positioning plugs: steel, galvanised

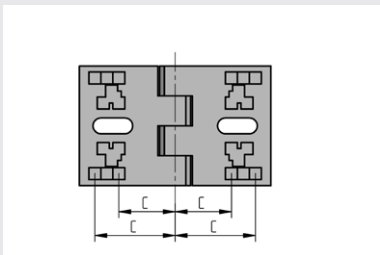


Doors with profile frames



Description	Colour	Material	F _{max}	Wt	Article No.
Hinge 50x80	black	GD-Zn	250 N	130.0 g	WZ.49.750800.0.E

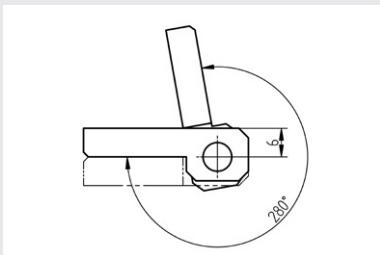
Delivery unit:
• Hinge 50x80
• 4 positioning plugs for B/C/D -slots



Rear view: plug assignment

Positioning plugs:
The squared positioning plugs can be placed in the slotted plug-in position of the hinge. Due to this an anti-twist for variable mounting width is enabled.

C = 21/21.5/23.5/26/27.5/31 (grid dimension)



Technical data:
swivel angle: 0-280°
F_{max} = max. lateral static load per hinge, e.g. weight of a door

Comments:
counterbore DIN 74 - Bm6 for countersunk screw DIN 7991 - M6

not to unhinge

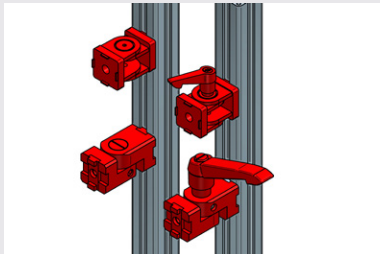


CONTENT ACCESSORIES

Joints light [H5.003](#)

Joints..... [H5.004](#)

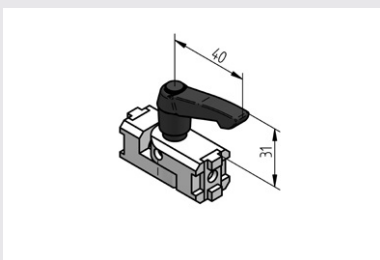
Overview Joints



Application:

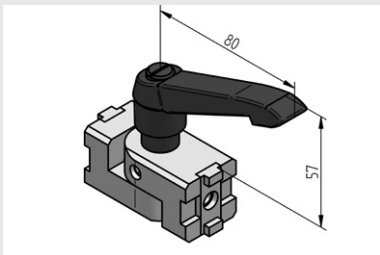
For infinitely variable adjusting and swiveling of profiles

The joint can be locked backlash free with the adjustable clamping lever.



Dimensions of clamping lever for:

Joint 20x20



Dimensions of clamping lever for:

Joint 30x30 light

Joint 40x40 light

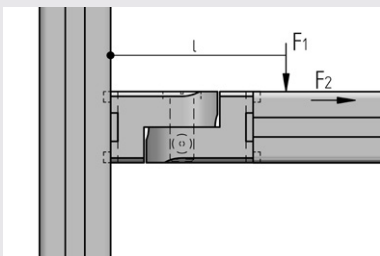
Joint 30x30

Joint 30x50

Joint 30x100

Joint 40x40

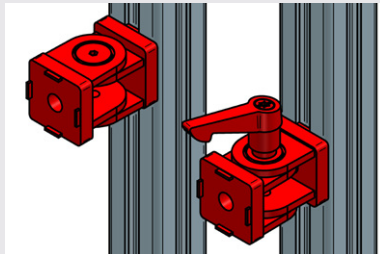
Joint 50x50



Max. static loads

Joints	F_1	$M_1 = F_1 \times l$	F_2
30 x 30 light	500 N	-	500 N
40 x 40 light	750 N	-	750 N
20 x 20	-	10 Nm	2'000 N
30 x 30	-	30 Nm	4'000 N
30 x 50	-	50 Nm	4'000 N
30 x 100	-	100 Nm	8'000 N
40 x 40	-	50 Nm	6'000 N
50 x 50	-	60 Nm	10'000 N

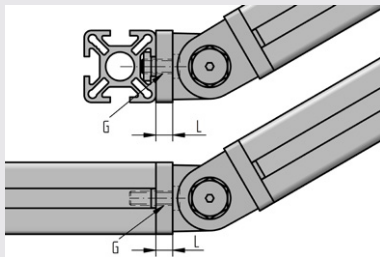
Joints light



Application:

For infinitely variable adjusting and swiveling of profiles

The joint can be locked backlash free with the adjustable clamping lever.



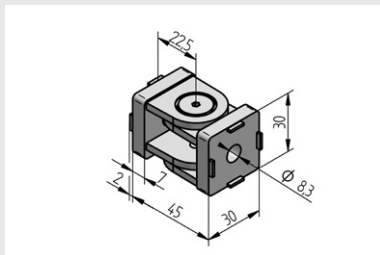
Mounting on profile side or end

Technical data:

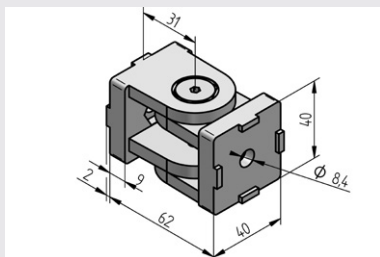
material: GD-Zn
surface: aluminium coloured powder-coated

Comments:

- mounting with
- cap-screw DIN 6912
 - washer DIN 433

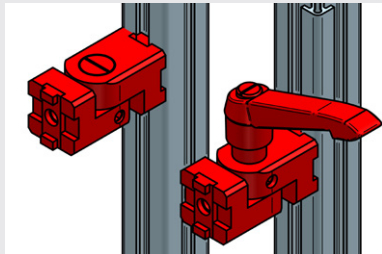


Description	G	L	Wt	Article No.
Joint 30x30 light	M8	7.0	124.0 g	WZ.50.13030.E
Joint 30x30 with clamping lever	M8	7.0	147.0 g	WZ.50.23030.E



Description	G	L	Wt	Article No.
Joint 40x40 light	M8	7.0	300.0 g	WZ.50.14040.E
Joint 40x40 with clamping lever	M8	7.0	344.0 g	WZ.50.24040.E

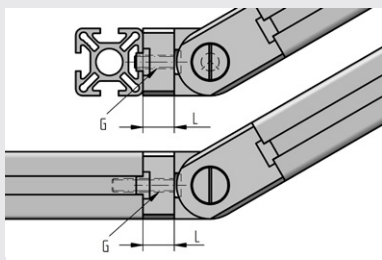
Joints



Application:

For infinitely variable adjusting and swiveling of profiles

The joint can be locked backlash free with the adjustable clamping lever.



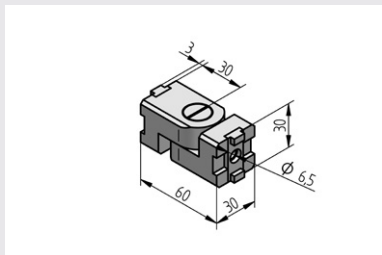
Mounting on profile side or end

Technical data:

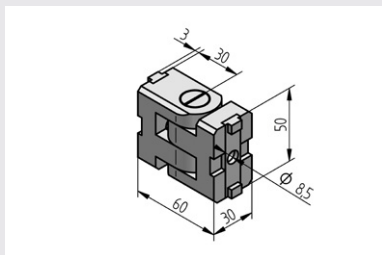
material: steel
surface: galvanised

Comments:

mounting with
• cap-screw DIN 6912
• washer DIN 433

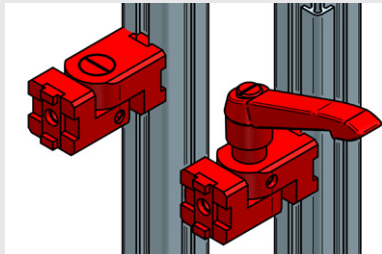


Description	G	L	Wt	Article No.
Joint 30x30	M6	7.5	315.0 g	WZ.51.030030.E
Joint 30x30 with clamping lever	M6	7.5	380.0 g	WZ.51.130030.E
Anti-twist device for Joint 30x30, B slot			28.0 g	WZ.51.030030.B.E



Description	G	L	Wt	Article No.
Joint 30x50	M8	7.5	533.0 g	WZ.51.030050.E
Joint 30x50 with clamping lever	M8	7.5	600.0 g	WZ.51.130050.E
Anti-twist device for Joint 30x50, B slot			28.0 g	WZ.51.030050.B.E

Joints



Application:

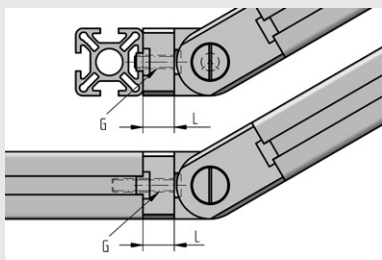
For infinitely variable adjusting and swiveling of profiles

The joint can be locked backlash free with the adjustable clamping lever.

30
Grid

40
Grid

50
Grid



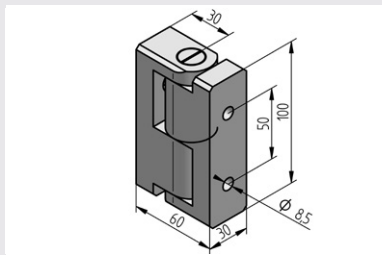
Technical data:

material: steel
surface: galvanised

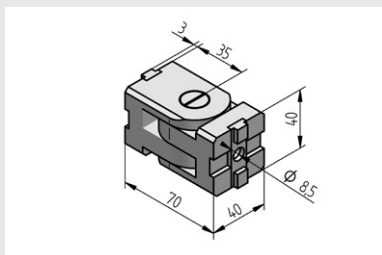
Comments:

mounting with:
• cap screw DIN 6912
• washer DIN 433

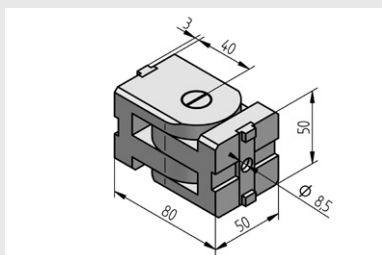
Mounting on profile side or end



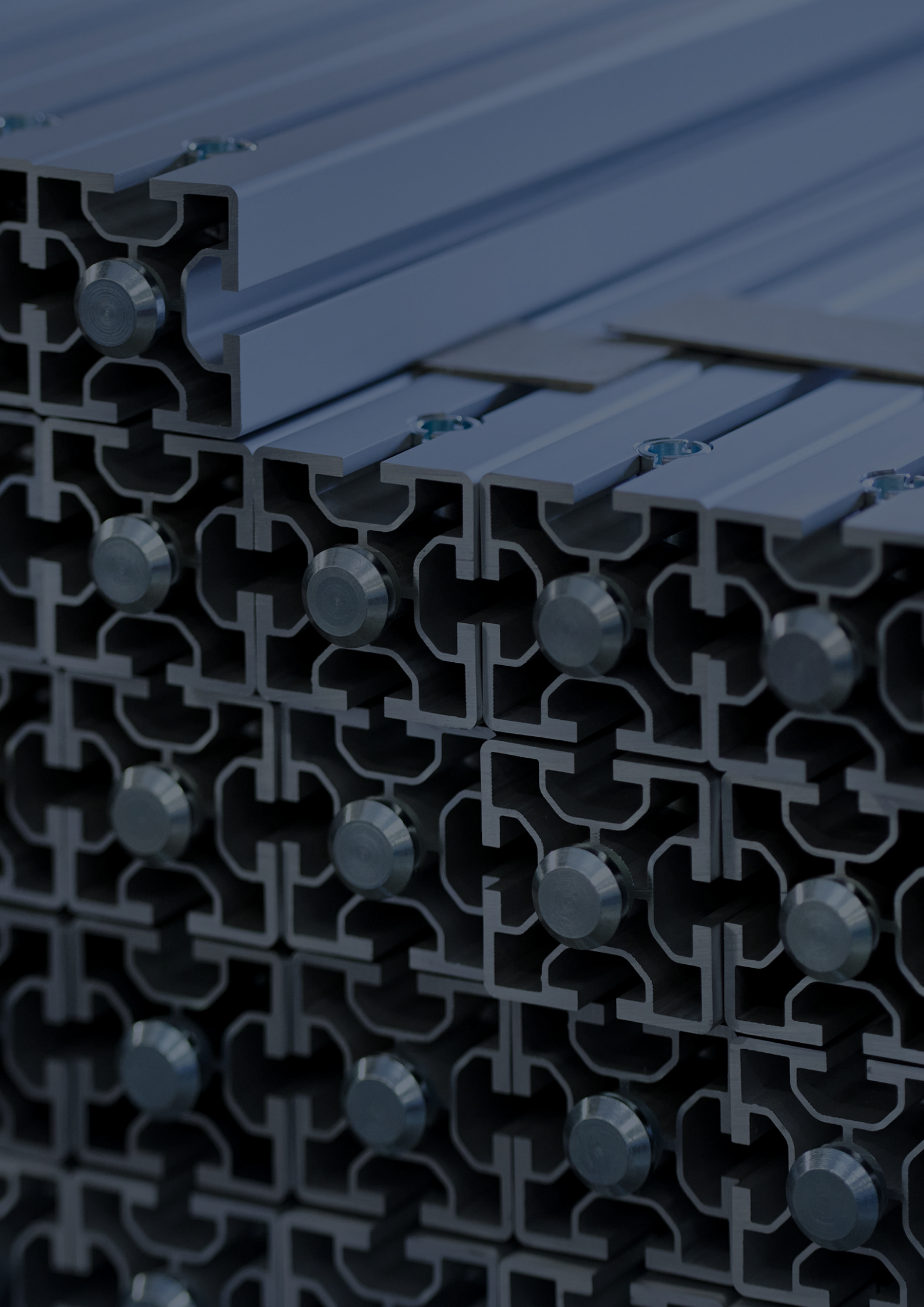
Description	G	L	Wt	Article No.
Joint 30x100	M8	7.5	1098.0 g	WZ.51.030100.E
Joint 30x100 with clamping lever	M8	7.5	1160.0 g	WZ.51.130100.E



Description	G	L	Wt	Article No.
Joint 40x40	M8	7.5	674.0 g	WZ.51.040040.E
Joint 40x40 with clamping lever	M8	7.5	739.0 g	WZ.51.140040.E
Anti-twist device for Joint 40x40, C slot			28.0 g	WZ.51.040040.C.E



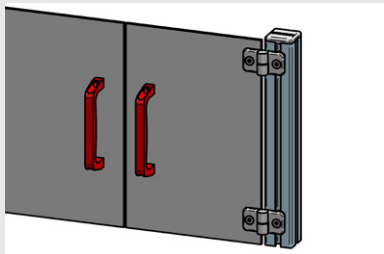
Description	G	L	Wt	Article No.
Joint 50x50	M8	7.5	1244.0 g	WZ.51.050050.E
Joint 50x50 with clamping lever	M8	7.5	1300.0 g	WZ.51.150050.E
Anti-twist device for Joint 50x50, D slot			33.0 g	WZ.51.050050.D.E



CONTENT ACCESSORIES

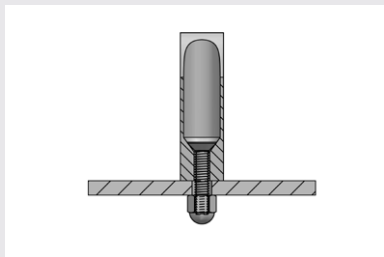
Handles	H6.003
Mounting blocks screw type	H6.005
Mounting clamp blocks	H6.006
Mounting clamp blocks SL	H6.007
Extension accessories	H6.008
Bullet catches	H6.009
Bullet catch PA	H6.010
Latch locks	H6.011
Magnetic lock PA	H6.012
Roller Ø29	H6.014
Roller Ø39	H6.015

Handle light PA

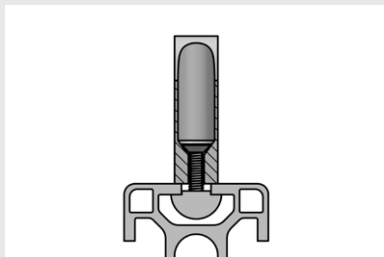


Application:
For lightweight doors and pushers

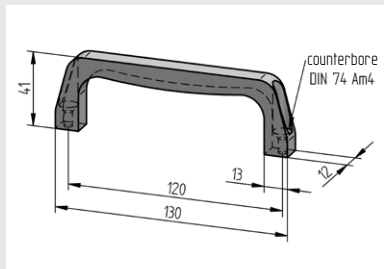
Technical data:
material: PA
colour: black



Fixing on panel elements

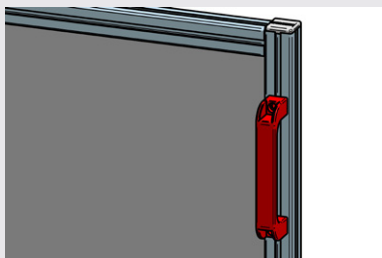


Fastening on profiles



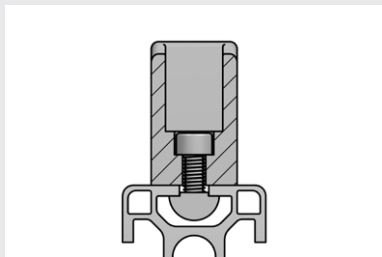
Description	Wt	Article No.
Handle light PA	30.0 g	WZ.61.130.00.E

Handles PA

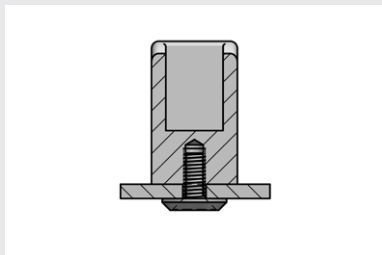


Application:
For lightweight doors and pushers

Technical data:
material: PA
colour: black

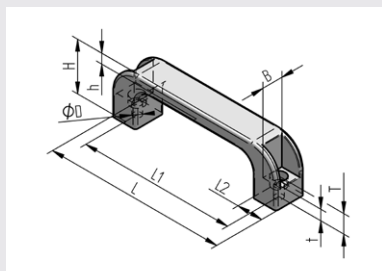


Handle with bore

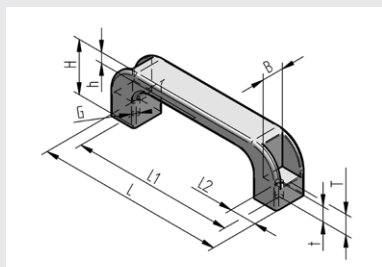


Handle with thread

L	L1	L2	h	T	t	t1	B
110	94	17	8	13	6	10	21
139	120	20	10	15	6	10	24
151	132	22	10	16	9	15	26
200	180	25	11	20	9	15	28
260	235	28	12	21	11	15	32

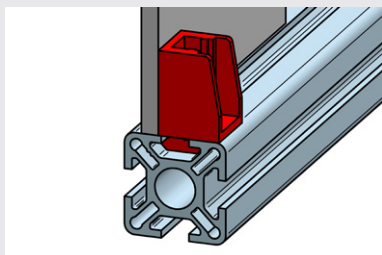


Description	D	L	H	Wt	Article No.
Handle PA, with bore	Ø6.5	110	37	24.0 g	WZ.61.110.01.E
Handle PA, with bore	Ø6.5	139	40	44.0 g	WZ.61.139.01.E
Handle PA, with bore	Ø8.5	151	43	64.0 g	WZ.61.151.01.E
Handle PA, with bore	Ø8.5	200	50	74.0 g	WZ.61.200.01.E
Handle PA, with bore	Ø10.5	260	53	114.0 g	WZ.61.260.01.E



Description	D	L	H	Wt	Article No.
Handle PA, with thread	M6	110	37	30.0 g	WZ.61.110.02.E
Handle PA, with thread	M6	139	40	50.0 g	WZ.61.139.02.E
Handle PA, with thread	M8	151	43	70.0 g	WZ.61.151.02.E
Handle PA, with thread	M8	200	50	88.0 g	WZ.61.200.02.E
Handle PA, with thread	M10	260	53	125.0 g	WZ.61.260.02.E

Mounting blocks screw type



Application:

For the mounting of panels with subsequent insertion

Variable mounting position of panels with distancing plate

Technical data:

material: PA-GF
max. static load: 100 N, rectangular to slot

Quantity unit:

E = 1 piece
P = 100 pcs

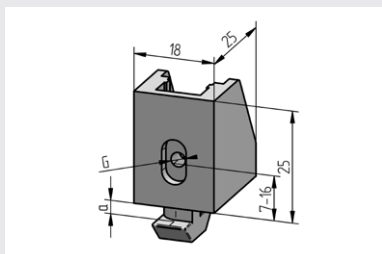
30
Grid



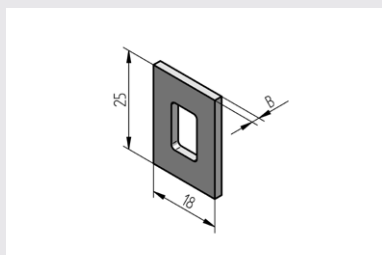
40
Grid



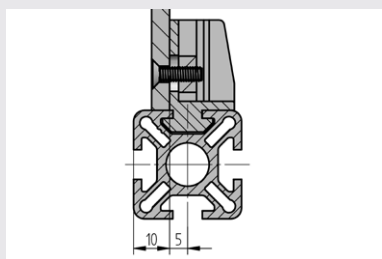
50
Grid



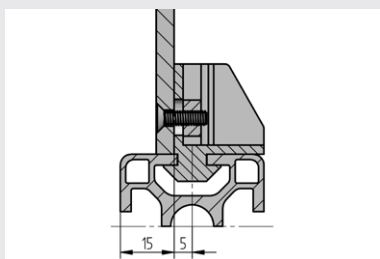
Description	a	G	Colour	Wt	Article No. E (P)
Mounting block screw type M4, B	2.2	M4	black	9.0 g	WZ.60.M4.B.E (P)
Mounting block screw type M5, B	2.2	M5	black	9.0 g	WZ.60.M5.B.E (P)
Mounting block screw type M6, B	2.2	M6	black	9.0 g	WZ.60.M6.B.E (P)
Mounting block screw type M4, C	3	M4	black	10.5 g	WZ.60.M4.C.E (P)
Mounting block screw type M5, C	3	M5	black	10.1 g	WZ.60.M5.C.E (P)
Mounting block screw type M6, C	3	M6	black	9.6 g	WZ.60.M6.C.E (P)
Mounting block screw type M4, D	4	M4	black	10.5 g	WZ.60.M4.D.E (P)
Mounting block screw type M5, D	4	M5	black	10.1 g	WZ.60.M5.D.E (P)
Mounting block screw type M6, D	4	M6	black	9.6 g	WZ.60.M6.D.E (P)



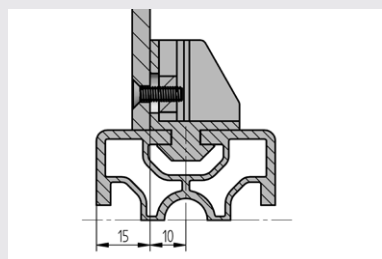
Description	B	Colour	Wt	Article No. E (P)
Distancing plate for mounting blocks	2 mm	black	0.4 g	WZ.60.2.02.E (P)
Distancing plate for mounting blocks	3 mm	black	0.6 g	WZ.60.2.03.E (P)
Distancing plate for mounting blocks	5 mm	black	0.8 g	WZ.60.2.05.E (P)



30mm grid: B-slot

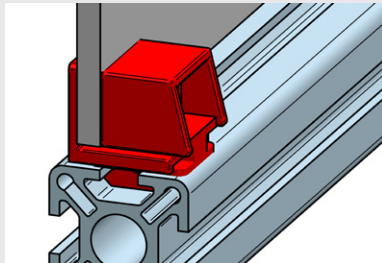


40mm grid: C-slot



50mm grid: D-slot

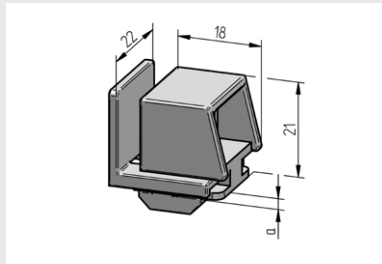
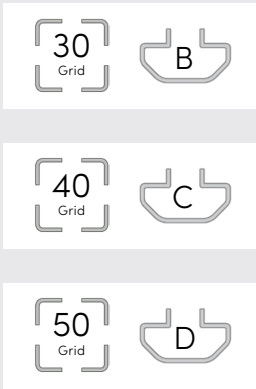
Mounting clamp blocks



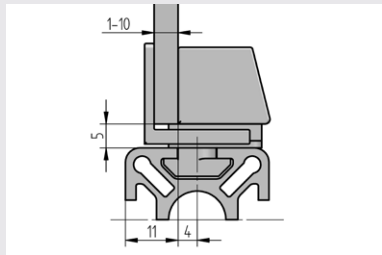
Application:
 Mounting of panels with clamps, without drilling and screwing
 For subsequent insertion: variable mounting position of panels with distance plates
 The clamp connection is releasable with a screwdriver

Technical data:
 material: PA-GF
 max. static load: 250N, towards clamp block
 max. static load: 50 N, towards slider

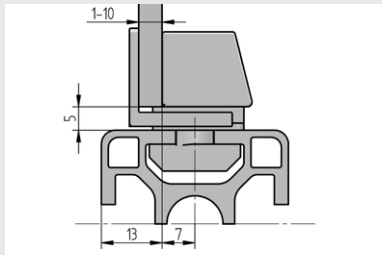
Quantity unit:
 E = 1 piece
 P = 100 pcs



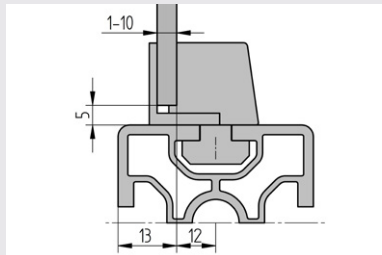
Description	a	Clamping range	Colour	Wt	Article No. E (P)
Mounting clamp block B	2.2	1-10 mm	black	7.5 g	WZ.61.3B.E (P)
Mounting clamp block C	3	1-10 mm	black	8.0 g	WZ.61.3C.E (P)
Mounting clamp block D	4	1-10 mm	black	8.0 g	WZ.61.3D.E (P)



30mm grid: B-slot

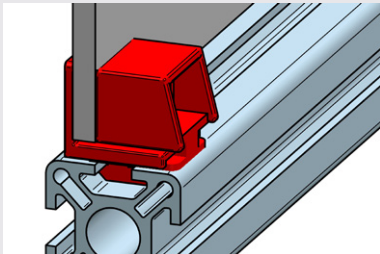


40mm grid: C-slot



50mm grid: D-slot

Mounting clamp blocks SL



Application:

As mounting clamp block, however for safety's sake it is only possible to be opened with special tools

Technical data:

max. static load: 250 N, towards mounting clamp block
max. static load: 50 N, towards slider

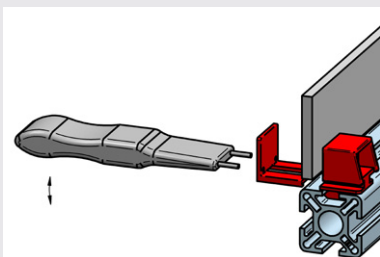
30
Grid



40
Grid



50
Grid

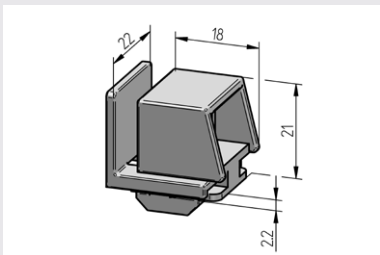


Material:

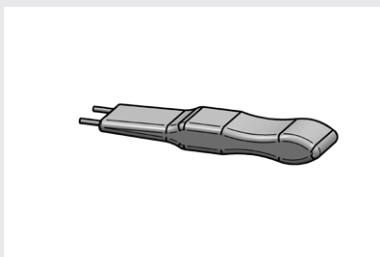
mounting clamp block: PA-GF
tool: PA-GF

Quantity unit:

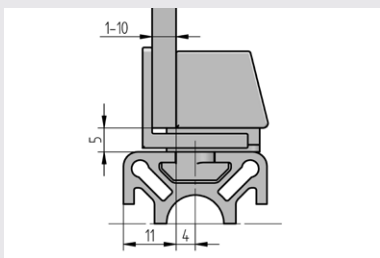
E = 1 piece
P = 100 pcs



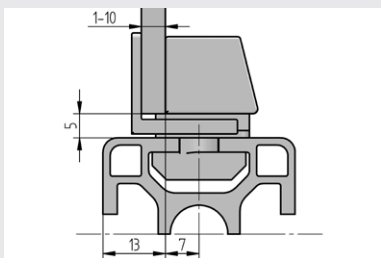
Description	Clamping range	Colour	Wt	Article No. E (P)
Mounting clamp block SL/B	1-10 mm	black	7.5 g	WZ.62.4B.E (P)
Mounting clamp block SL/C	1-10 mm	black	8.0 g	WZ.62.4C.E (P)
Mounting clamp block SL/D	1-10 mm	black	8.0 g	WZ.62.4D.E (P)



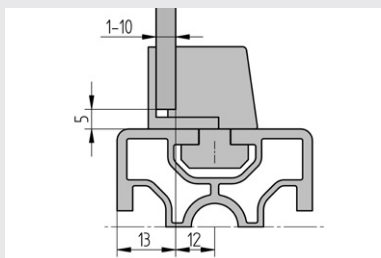
Description		Colour	Wt	Article No. E
Tool SL		red	23.0 g	WZ.62.4W.E



30mm grid: B-slot

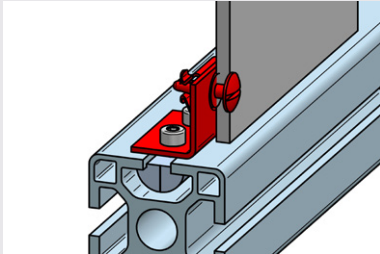


40mm grid: C-slot



50mm grid: D-slot

Extension accessories

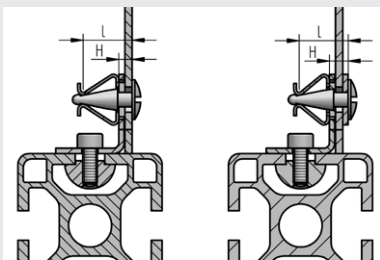


Application:

Mounting element for quick mounting and dismantling of covers

Comments:

open: by 1/4 - turn
close: by push in



Material:

bolt: brass, nickel-plated
retaining ring: Neoprene, 55 Shore A
- 55 °C to 90 °C
washer: Neoprene, 55 Shore A
- 55 °C to 90 °C
mounting angle: steel, galvanised

Technical data (assembly):

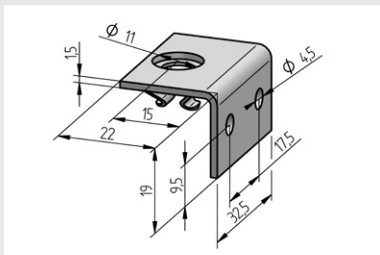
in the covers: 7 mm
max. static load: 900 N
life time: ca. 10'000 operations

Fastening without washer:

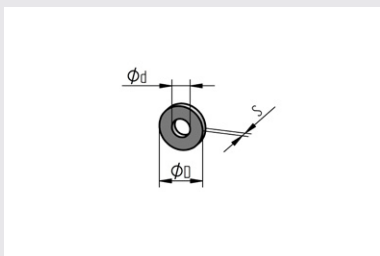
$$H_{\max} = \text{panel thickness} + S_{\text{Retaining ring}}$$

Fastening with washer:

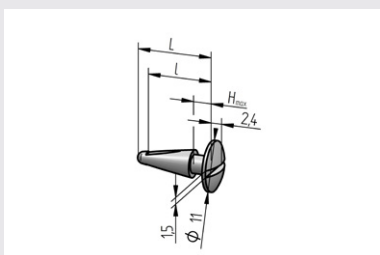
$$H_{\max} = \text{panel thickness} + S_{\text{Retaining ring}} + S_{\text{washer}}$$



Description		Wt	Article No. E
Mounting angle		14.0 g	WZ.63.51.E

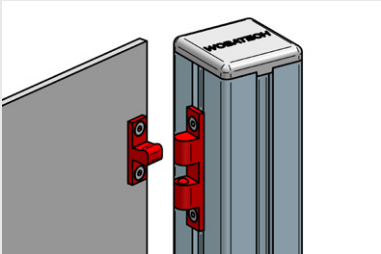


Description	D	d	Dicke S	Wt	Article No. E
Retaining ring	Ø 9.5	Ø 4.0	1.7 mm	1.3 g	WZ.63.52.E
Sealing washer	Ø14.0	Ø 4.0	0.5 mm	0.8 g	WZ.63.53.E



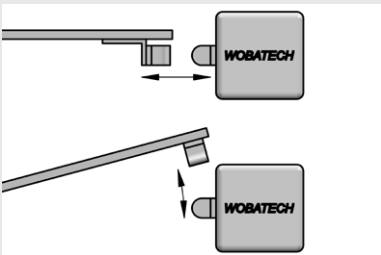
Description	H _{max}	L / l	Wt	Article No. E
Round head bolts	3.7	16.6 / 14.4	4.0 g	WZ.63.54.E
Round head bolts	4.7	17.6 / 15.4	4.0 g	WZ.63.55.E

Bullet catches

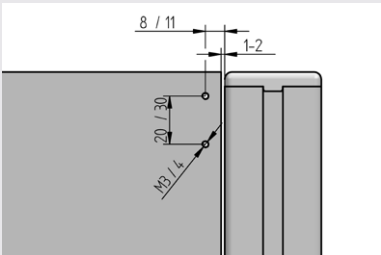


Application:
Lock for swinging and sliding doors

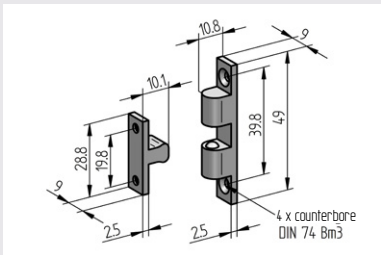
Technical data:
retention force: adjustable



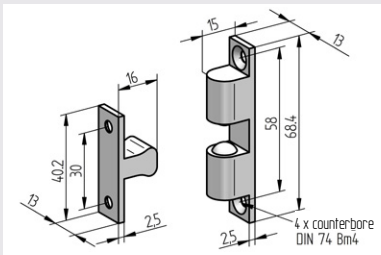
Material:
base part: brass, natural
sphere: stainless steel



Comments:
counterbore DIN 74 - Bm3 / Bm4 for
countersunk screw DIN 7991 - M3 / M4

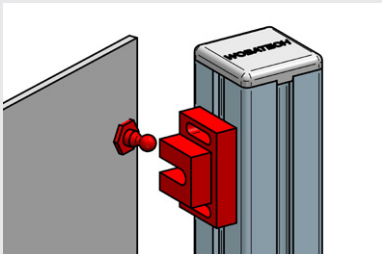


Description	Wt	Article No.
Bullet catch 9x49	23.6 g	WZ.64.0949.E



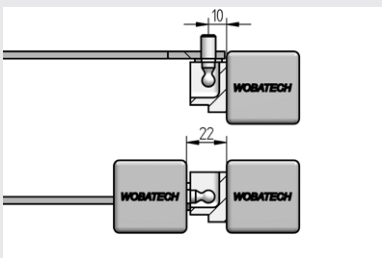
Description	Wt	Article No.
Bullet catch 13x69	65.0 g	WZ.64.1369.E

Bullet catch PA

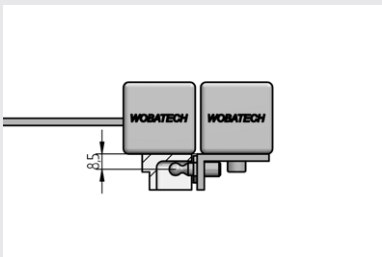


Application:
Lock for swinging and sliding doors

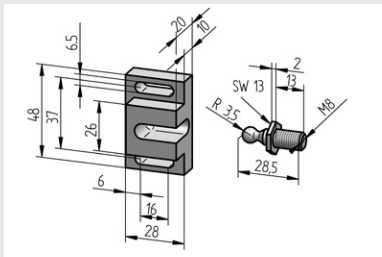
Technical data:
retention force: 45 N



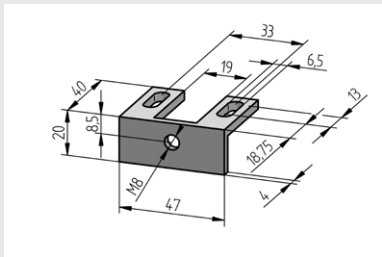
capsule - fastening without angle



capsule - fastening with angle

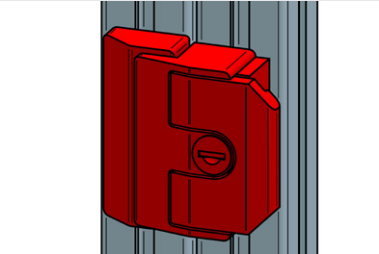


Description	Wt	Article No.
Bullet catch PA	23.0 g	WZ.64.2848.E



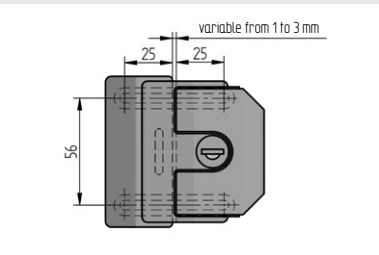
Description	Wt	Article No.
Bullet catch angle	16.0 g	WZ.64.2848.01.E

Latch locks



Application:
Lock for swing and sliding doors

Material:
casing: GD-Zn, black coated
trap: GD-Zn, rough
nut: steel, galvanised

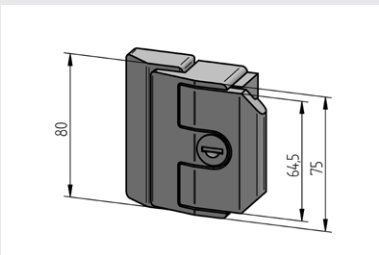
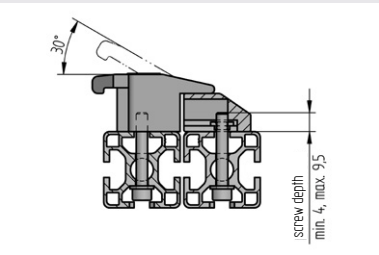


Mounting elements:

- cap screw DIN 6913, M6
- washer DIN 433-6.4

Delivery unit:

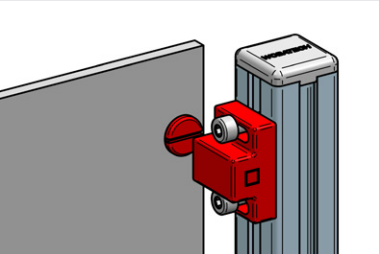
- Latch lock
- 4 nuts M6
- 2 keys (by variant with lock)
- cover plug (by variant without lock)



Description	Wt	Article No.
Latch lock without lock	560.0 g	WZ.64.3010.E
Latch lock with lock, all keyed alike*	560.0 g	WZ.64.3020.E
Latch lock with lock, keyed different **	560.0 g	WZ.64.3030.E

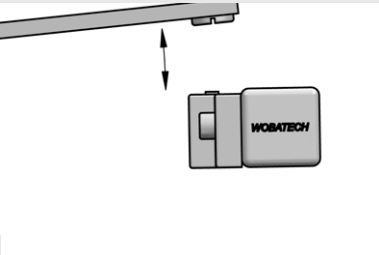
* lock with standard key
** every lock has a unique key

Magnetic lock PA

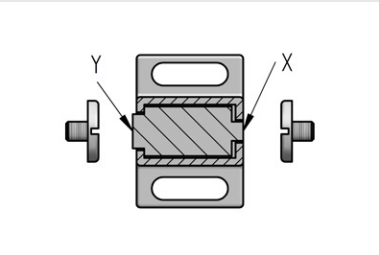


Application:
Lock for swinging and sliding doors

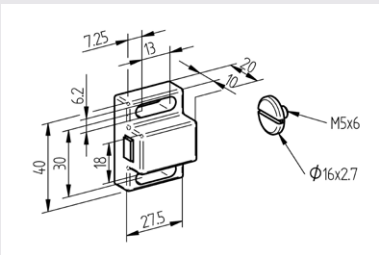
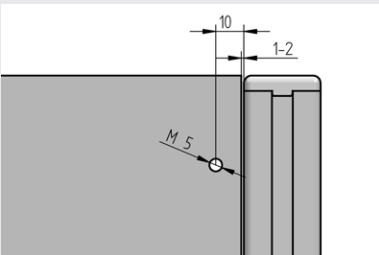
Technical data:
retention force: X = 25 N
Y = 40 N



Material:
base part: PA-GF, black
flat head screw: steel, galvanised

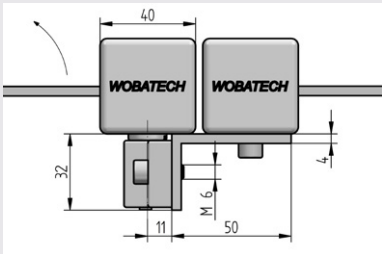


Comments:
Differing retention forces
y = large force
x = small force



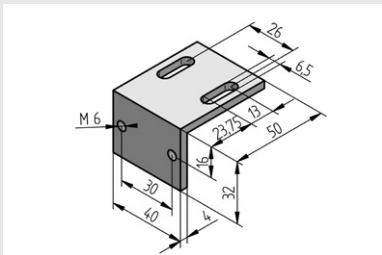
Description	Wt	Article No.
Magnetic lock PA	38.0 g	WZ.65.2740.E

Angle bracket for magnetic lock PA



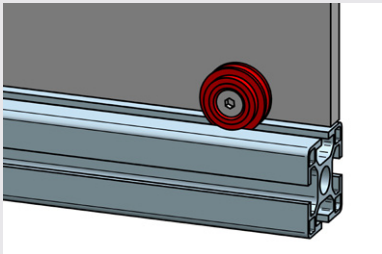
Application:
Alternative assembly part for the magnetic lock PA

Material:
angle: aluminium, F22
natural, anodised



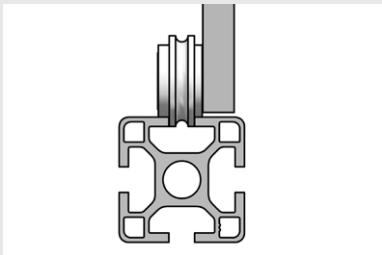
Description	Wt	Article No.
Angle bracket for magnetic lock PA	32.0 g	WZ.65.2741.E

Roller Ø29



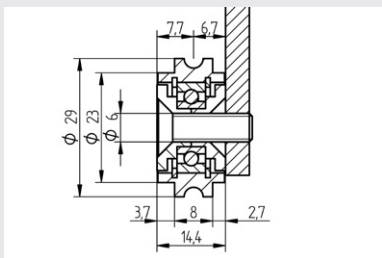
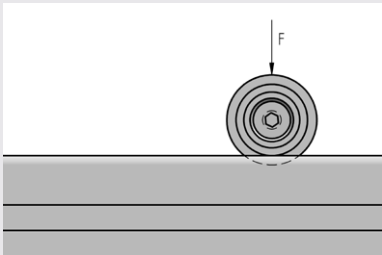
Application:
Roller for guiding in the 8 mm Profile slot
for sliding doors

Technical data:
1 deep grooved ball bearing with 2 sealing discs
max. static load : F = 150



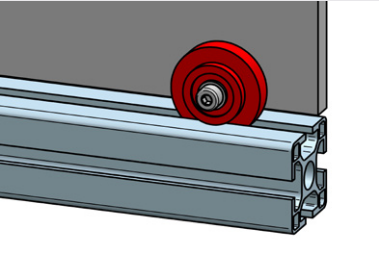
Guiding in the profile slot

Material:
roller: PA-GF, black
ball bearings: stainless steel



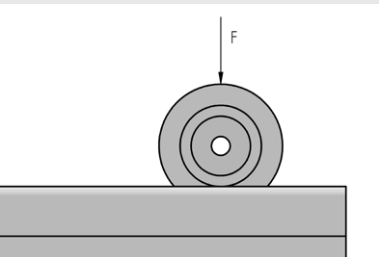
Description	Wt	Article No.
Roller Ø29	12.0 g	WZ.66.1829.E

Roller Ø39

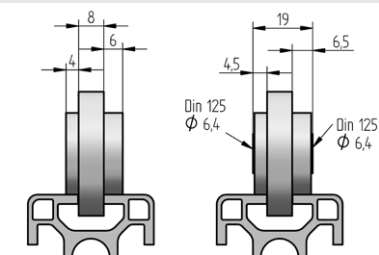


Application:
Roller for guiding in the 8 mm Profile slot
for sliding doors

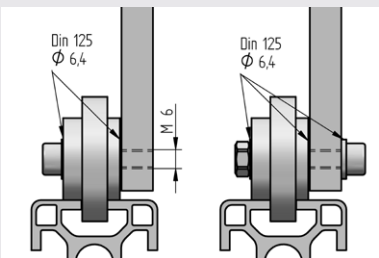
Technical data:
2 deep grooved ball bearings with 2 cover discs
max. static load : F = 150



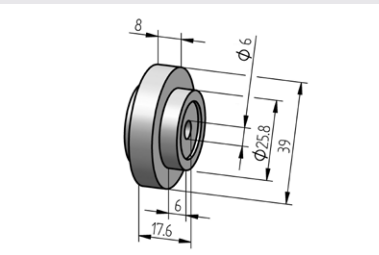
Material:
roller: PA-GF, black
ball bearings: stainless steel



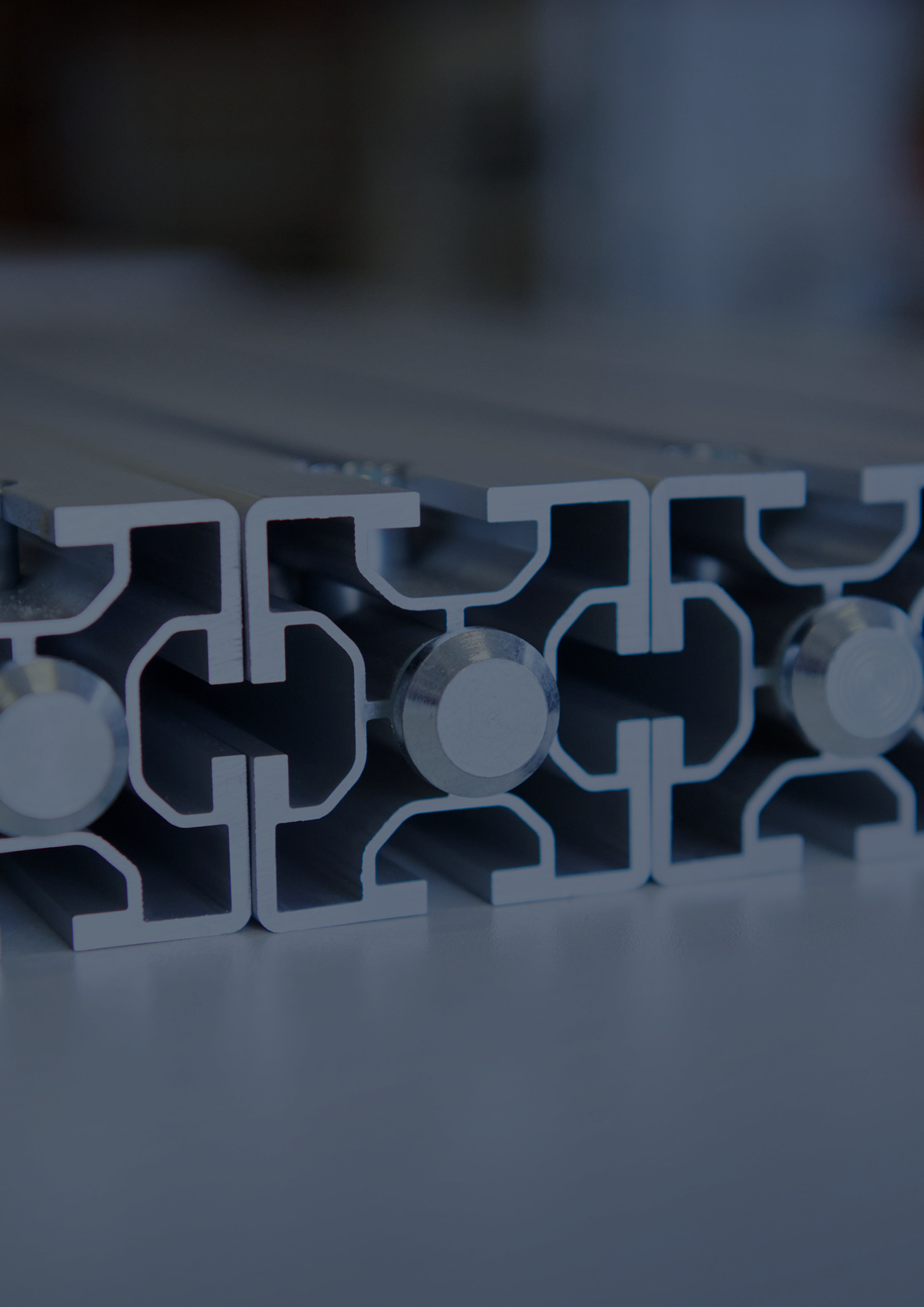
Asymmetric mount
Mounting measure incl. washer DIN 125



Mounting with thread in panel element
Mounting with threaded pillar



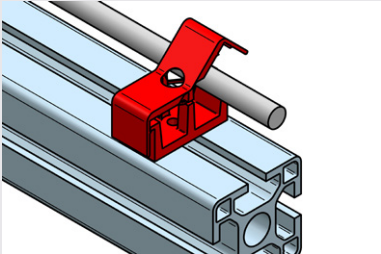
Description	Wt	Article No.
Roller Ø39	32.0 g	WZ.66.1839.E



CONTENT ELECTRICAL ACCESSORIES

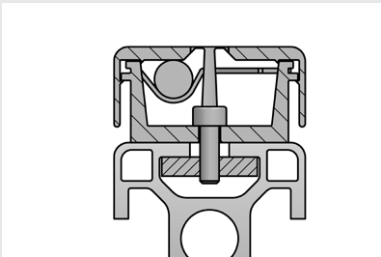
Cable and hose clamps	H7.002
Universal-blocks for cable binder	H7.003
Cross-blocks for cable binder	H7.004

Cable and hose clamps

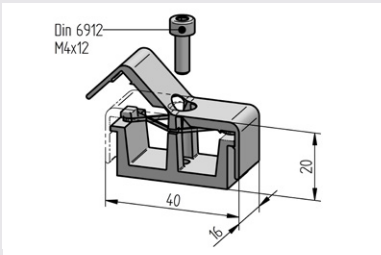


Application:
Fixing element for cables and hoses up to Ø12 mm

Technical data:
material: PA, black

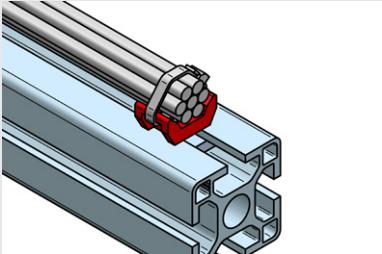


Comments:
sink DIN 974-1 - Jm4 for
cap screw DIN 6912 - M4



Description	Wt	Article No.
Cable and hose clamp	8.0 g	WZ.71.1010.E

Universal-blocks for cable binder

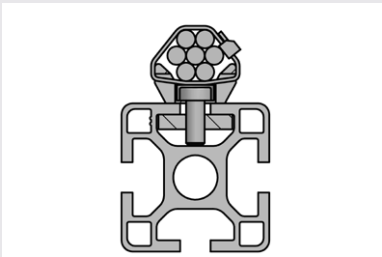


Application:

Element for fixing single or large quantities of cables and hoses

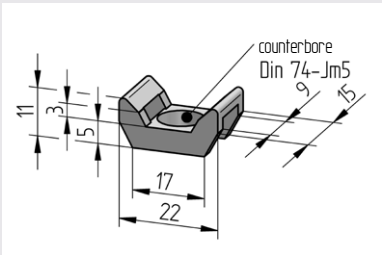
Technical data:

material: PA, black



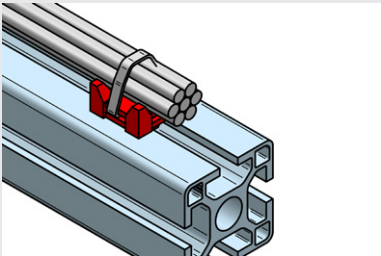
Comments:

counterbore DIN 74 - Jm5 for cap screw DIN 6912 - M5



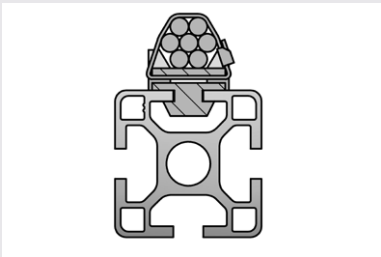
Description	Wt	Article No.
Universal-blocks for cable binder	1.6 g	WZ.71.2010.E

Cross-blocks for cable binder

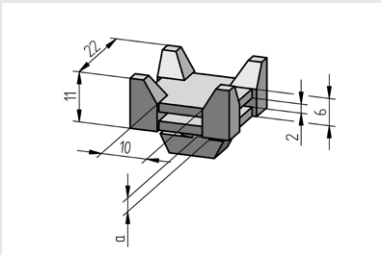


Application:
Element for fixing single or large quantities of cables and hoses

Technical data:
material: PA, black



Comments:
counterbore DIN 74 - Jm5 for cap screw DIN 6912 - M5



Description	a	Wt	Article No.
Cross-blocks for cable binder B	2.2	4.0 g	WZ.71.2020.B.E
Cross-blocks for cable binder C	3.0	4.0 g	WZ.71.2020.C.E
Cross-blocks for cable binder D	4.0	4.0 g	WZ.71.2020.D.E

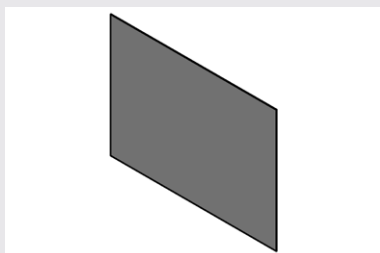




CONTENT PANEL ELEMENTS

Chipboard	H8.002
Solid plastic panels	H8.003
Alu-plastic composite panels	H8.004
Acrylic	H8.005
Polycarbonat (Makrolon)	H8.006
Polycarbonat / Acrylic glass	H8.007
Wire net, steel	H8.008

Chipboard



Application:

Chipboards provide a favourable solution to cover large areas, in particular for partition walls in interiors.

Technical data:

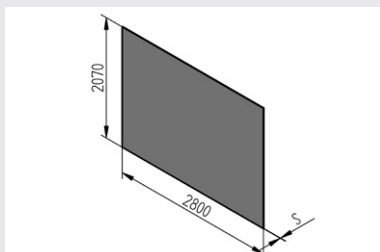
chipboard:	high frequency glued laminated chipboard
surface:	both sides coated with melamine
structure:	pearl
colour:	grey, white
formaldehydmission:	complies to safety standards §9 paragraph 3
light fastness:	point 6 as per DIN 53799
temperature resistance:	- 25 °C to 130 °C
chemical resistance:	resistant against organic food, light acid contents and alkaline solutions, gasoline, oil, tested as per DIN 53799

Technical values on DIN 68765 and 53799 :

bulk density:	ca. 700 kg/m ³
thickness tolerance:	+ 0.5 - 0.3 mm
weight:	S = 8 mm 5.6 kg/m ²
	S = 19 mm 13.3 kg/m ²

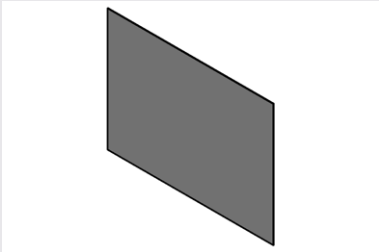
Comments:

cut to length:	bespoke
individual colour:	on request



Description	S	NCS	Wt	Article No.
Chipboard	8	grey NCS S 2000 - N	32.0 kg	WZ.80.008.01.E
Chipboard	8	white NCS S 0603-G80Y	32.0 kg	WZ.80.008.03.E
Chipboard	19	white NCS S 0603-G80Y	77.0 kg	WZ.80.019.03.E

Solid plastic panels



Application:

Based on the chemical stability solid plastic is preferred in laboratories, clean rooms, in food processing and related applications.

Technical data:

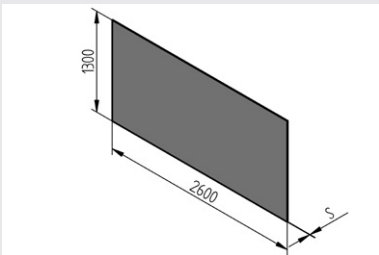
solid plastic panel:	made of phenolplastic high pressure plate (HPL) of laminated material with all generally known merits of this substance
surface:	both sides coated with melamine
structure:	pearl
colour:	grey, white
temperature resistance:	- 40 °C to 130 °C
chemical resistance:	resistant against solvents, acids, lye aggressive gases, adhesives

Technical values on DIN 68765 and 53799:

bulk density:	ca. 1500 kg/m ³
thickness tolerance:	0 - 0.6 mm
weight:	S = 4 mm 6.0 kg/m ²
	S = 5 mm 7.5 kg/m ²
	S = 6 mm 9.0 kg/m ²
	S = 8 mm 12.0 kg/m ²
	S = 12 mm 18.0 kg/m ²

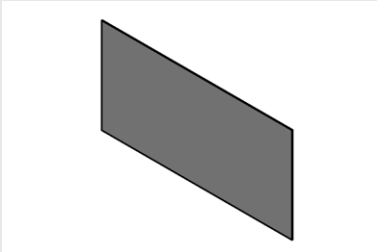
Comments:

cut to length:	bespoke
individual colour:	on request



Description	S	NCS	Wt	Article No.
Solid plastic panel	4	grey NCS S 2000 - N	21.0 kg	WZ.81.004.01.E
Solid plastic panel	5	white NCS S 0502 - Y	26.0 kg	WZ.81.005.03.E
Solid plastic panel	6	grey NCS S 2000 - N	31.0 kg	WZ.81.006.01.E
Solid plastic panel	8	grey NCS S 2000 - N	41.0 kg	WZ.81.008.01.E
Solid plastic panel	12	grey NCS S 2000 - N	61.0 kg	WZ.81.012.01.E

Alu-plastic composite panels



Application:

Alu-plastic composite panels provide all the benefits of aluminium, however due to their synthetic core they are lighter and cheaper than solid aluminium.

Technical data:

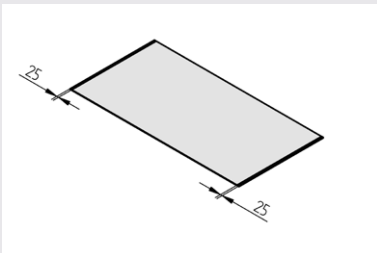
Alu-plastic composite panel PE with alu coating on both sides
 surface: natural anodised, E6 / EV1
 temperature resistance: - 50 °C to 80 °C
 chemical resistance: resistant against organic food, light acid contents and alkaline solutions, gasoline, oil

Technical values:

thickness tolerance: 0 - 0.6 mm
 weight: S = 4 mm 5.5 kg/m²
 S = 6 mm 7.3 kg/m²

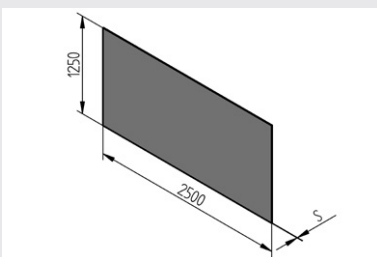
Comments:

cut to length: bespoke
 individual colour: on request



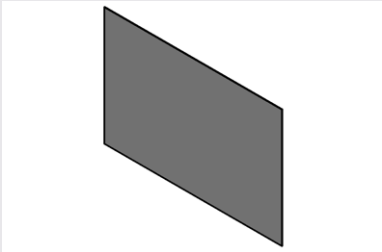
Comments:

The anodised composite panels have contact strips of 25 mm width on the short sides.



Description	S	Wt	Article No.
Alu-plastic composite panel	4	17.2 kg	WZ.82.004.01.E
Alu-plastic composite panel	6	22.8 kg	WZ.82.006.01.E

Acrylic



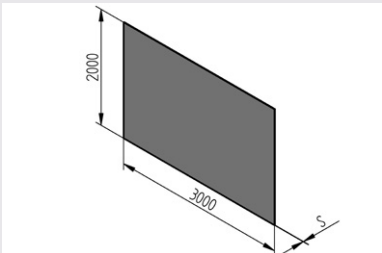
Application:
doors, casings, panels, protective devices

Technical data:
material properties: look at page H8.007

Technical values:
thickness tolerance: XT: $\pm 5\%$ extruded
GS: ± 0.65 casted

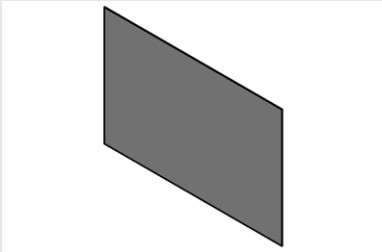
weight S = 4 mm 4.8 kg/m²
S = 6 mm 7.2 kg/m²
S = 8 mm 9.6 kg/m²

Comments:
cut to length: bespoke
individual colour: on request



Description	S	Colour	Wt	Article No.
Acrylic XT	4	transparent	28.8 kg	WZ.83.004.00.E
Acrylic GS	4	umbra 7C27	28.8 kg	WZ.83.004.04.E
Acrylic XT	6	transparent	43.2 kg	WZ.83.006.00.E
Acrylic GS	6	umbra 7C27	43.2 kg	WZ.83.006.04.E
Acrylic XT	8	transparent	57.6 kg	WZ.83.008.00.E
Acrylic GS	8	umbra 7C27	57.6 kg	WZ.83.008.04.E

Polycarbonat (Makrolon)

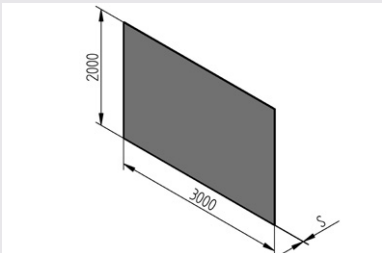


Application:
Polycarbonate offers high impact resistance and strength against breakage and is the ideal material for doors, covers and guards.

Technical data:
material properties: look at page H8.007

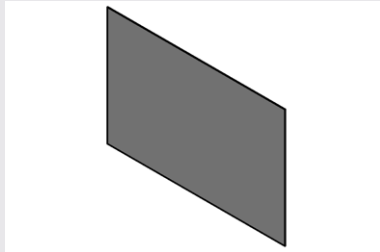
Technical values:
thickness tolerance: 0 + 0.8 mm
weight: S = 4 mm 4.8 kg/m²
S = 6 mm 7.2 kg/m²
S = 8 mm 9.6 kg/m²

Comments:
cut to length: bespoke
individual colour: on request



Description	S	Colour	Wt	Article No.
Polycarbonat	4	transparent	28.8 kg	WZ.84.004.00.E
Polycarbonat	6	transparent	43.2 kg	WZ.84.006.00.E
Polycarbonat	8	transparent	57.6 kg	WZ.84.008.00.E

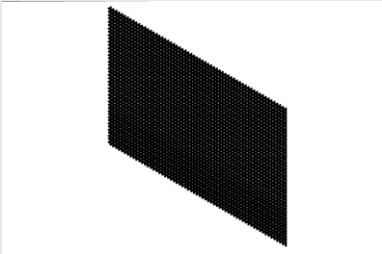
Polycarbonat / Acrylic



Mechanical properties at 20 °C	Acrylic XT	Polycarbonat	Unit
maximum extent of flex	107.9	68.7	MN/m ²
break / shear point	5.5	>110.0	%
compression	117.7	78.5	MN/m ²
elasticity	3188.0	2256.0	MN/m ²
marring resistance	29.4	392.4	J/m ²
impact resistance	19.6	no break	kJ/m ²
tensile strength	73.6	68.7	MN/m ²

Thermal properties	Acrylic XT	Polycarbonat	Unit
temperature distortion according to 'Vicat'	110	170	°C
melting point	168	170	°C
temperature range under static load (max.)	70	130	°C
temperature range under static load (min.)	-40	-100	°C

Wire net, steel

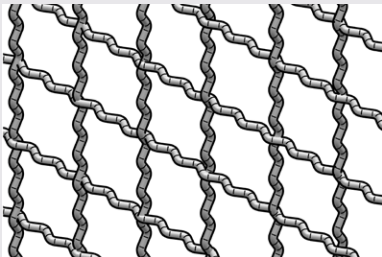


Application:

For protective coverings and partition walls

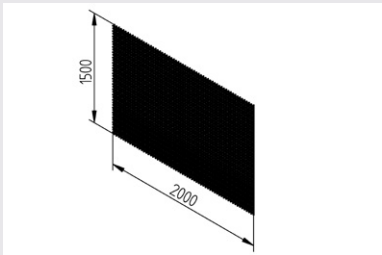
Technical data:

material:	steel	
surface:	galvanised	
weight:	3 x 30 x 30	11.1 kg/Panel

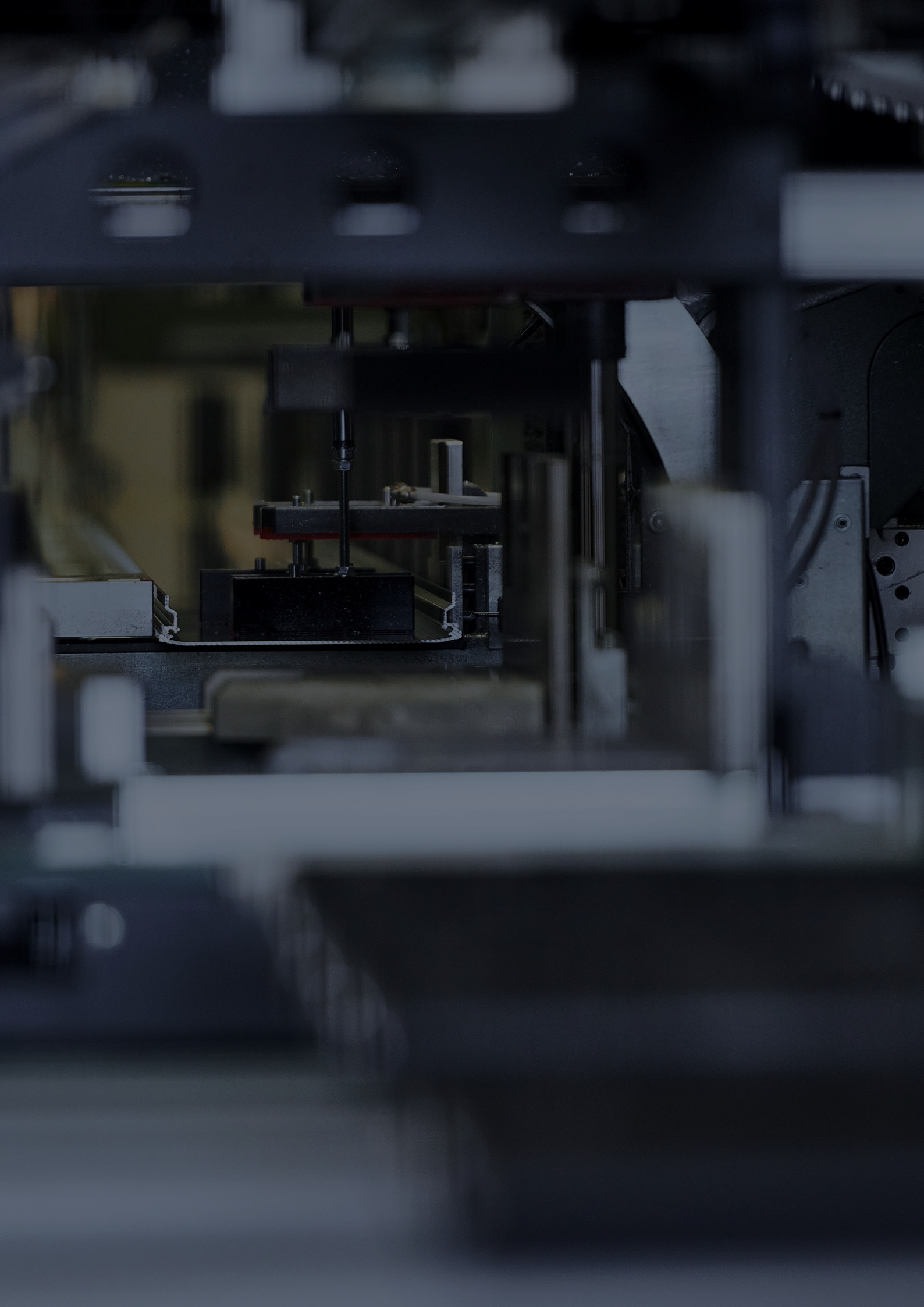


Comments:

cut to length:	bespoke
individual colour:	on request



Description	Panel	Wt	Article No.
Wire net, steel 3 x 30 x 30	1500 x 2000	11.1 kg	WZ.85.33030.00.E



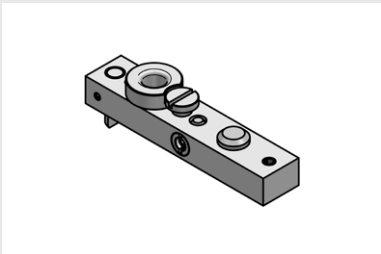
CONTENT TOOLS

Drill jigs BCD [H9.003](#)

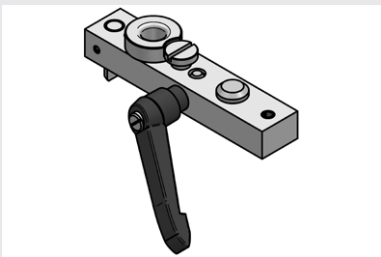
Tools BCD [H9.005](#)

Tools – Special cases [H9.006](#)

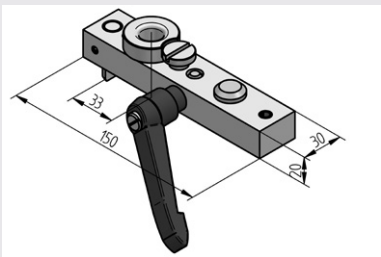
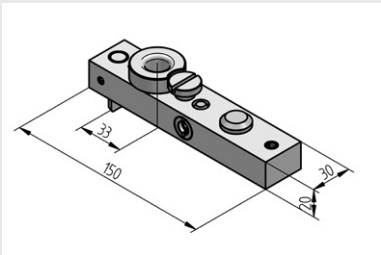
Drill jigs BCD



with setscrew



with clamping lever



Application:

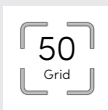
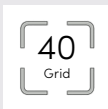
Tools for precise machining of connection bore:

- for drilling machine: – drill jig
– drill
- for milling machine: – milling cutter
- the drill jig is located and fastened in the Profile slot
- suitable for any profile angle cut

Material:

base part: aluminium
natural anodised

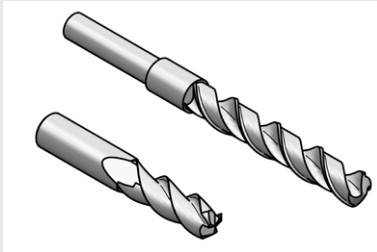
drill bush: steel
hardened and polished



Description	Wt	Article No.
Drill jig BCD with setscrew	375.0 g	WZ.90.2030150.00.E

Description	Wt	Article No.
Drill jig BCD with clamping lever	438.0 g	WZ.90.2030150.01.E

Tools BCD



Drill, Milling cutter

Application:

For profiles with BCD-slots

Technical data:

cutting geometry for aluminium machining

off-centre cutting edges

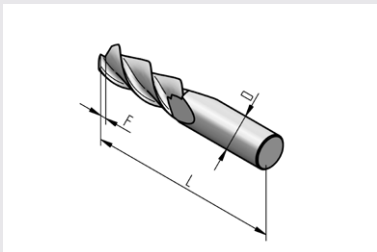
milling cutter: 3 cutting edges

drill : 2 cutting edges

Material:

milling cutter: HSS

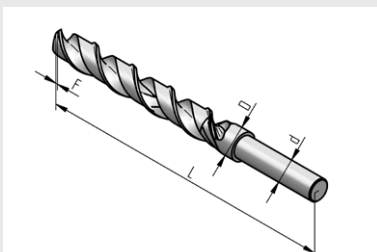
drill: HSS



Description	D	L	F	d	Wt	Article No.
Milling cutter f. cross bush. BCD	Ø 15.2	98	1.5 x 45°	Ø 16	116.0 g	WZ.91.016.00.E

Applicable for:

- parallel anchor
- cross bushing

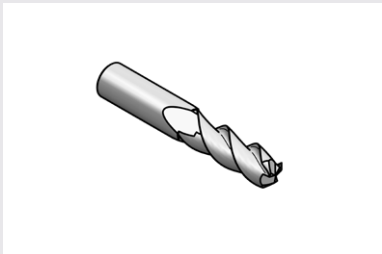


Description	D	L	F		Wt	Article No.
Drill for cross bushing BCD	Ø 15.25	173	1.5 x 45°		438.0 g	WZ.91.016.01.E

Applicable for:

- parallel anchor
- cross bushing

Tools – Special cases



Milling cutter

Application:

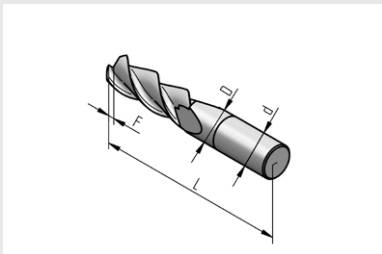
For profiles with BCD-slots and soft profiles

Technical data:

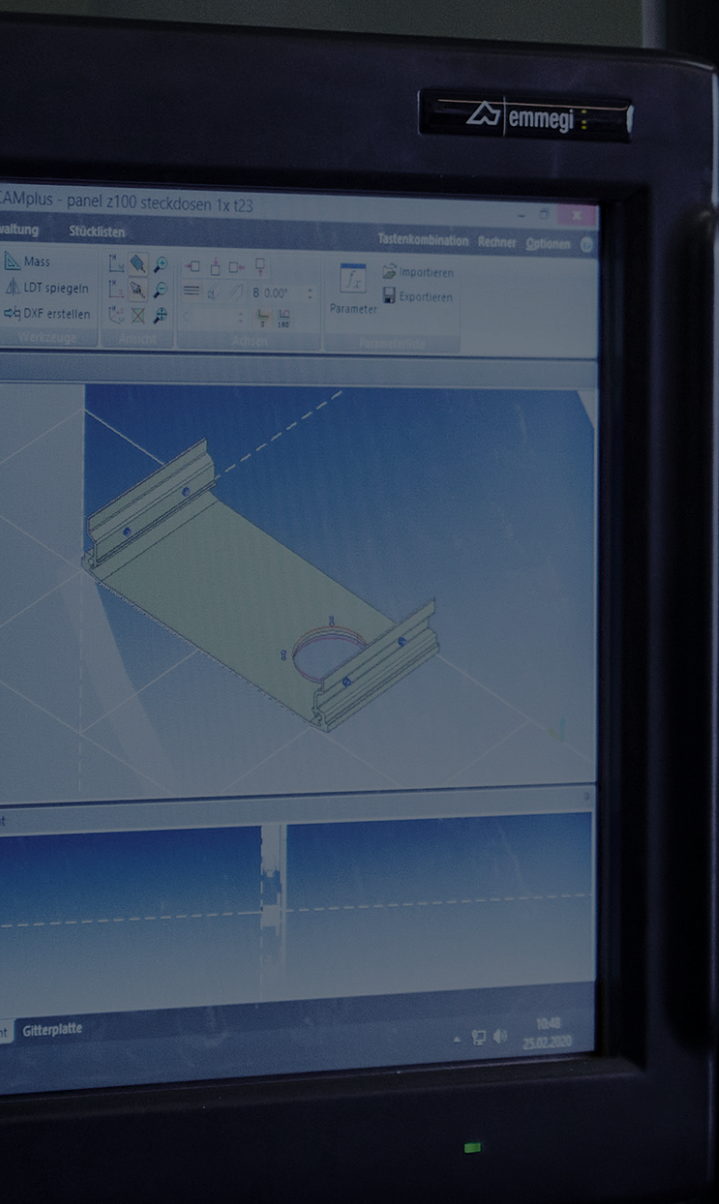
cutting geometry for aluminium machining
 off-centre cutting edges
 milling cutter: 3 cutting edges
 drill : 2 cutting edges

Material:

milling cutter: HSS
 drill: HSS



Description	D	L	F	d	Wt	Article No.
Milling cutter f. cross bushing BCD, Soft	Ø 15.2	98	4 x 45°	Ø 16	116.0 g	WZ.91.010.03.E



CONTENT TECHNICAL DATA

Technical data [H10.002](#)

Technical data

Extruded profile
as per DIN EN 12020-1
(Levelling: fine straightened)
(Replacement for DIN 17615)

Material		Profile dimensions	
Aluminium alloy	AlMgSi0.5, F25	Functional length	6000 mm
Material Nr.	3.3206.72 low temp. annealed	Delivery length	6060 mm

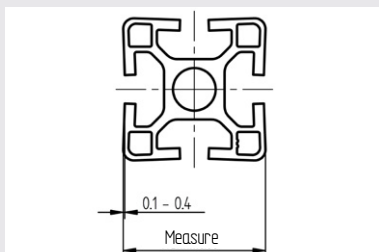
Mechanical Data (values of press flow direct.)		Anodic coating	
Tensile strength R _m	min. 250 N/mm ²	Surface as per DIN 17611 E6/EV1 – dull finish and natural anodised	
Elongation 0.2:	min. 200 N/mm ²		
Stresspoint A _s	min. 10 %	Coat thickness ap- prox.	15 µm
Stresspoint A ₀	min. 8%	Coat hardness	250-350 HV
E-Module	approx. 70'000 N/mm ²	Individual colour on request	
Brinell hardness	approx. 75 HB 2.5/187.5	The surface area – subject to technical procedure – can show optical changes.	
Co-efficient of elongation	23.8 x 10 ⁻⁶ /K		

Profile tolerance
(Excerpt from DIN EN 12020-2)

Nominal dimensions:

The dimension deviation depends on the precision with which the tooling is manufactured, the tooling wear and the variation during the extrusion process. For one manufacturing setup the variation within one profile is 0.01 mm.

Profile tolerance		
Dim. range in mm		Tolerance in mm
from	to	
-	10	+/- 0.15
10	15	+/- 0.20
15	30	+/- 0.25
30	45	+/- 0.30
45	60	+/- 0.40
60	90	+/- 0.45
90	120	+/- 0.60
120	150	+/- 0.80
150	180	+/- 1.00
180	240	+/- 1.20
240	300	+/- 1.50

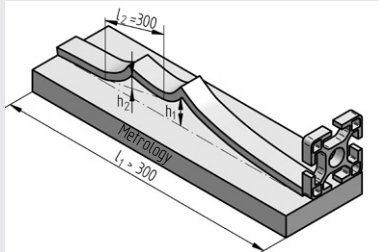


For optimization of the connection stability, all profile surfaces are designed and manufactured with concave surfaces. This assures that the assembled profiles contact on the outer edges only (line of contact). When tightening the connectors the slot flanks will be drawn to the mounting profile within the elastic range and will keep the connectors under tension.

Technical data

Straightness tolerance

of the edge in longitudinal direction



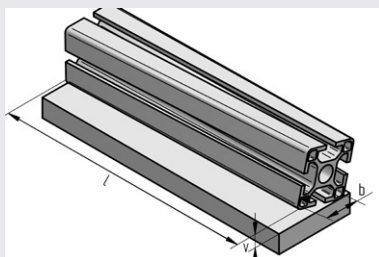
At a certain length l_1 the given tolerance h_1 is not to be exceeded.
For each incremental length of $l_2 = 300$ mm the deviation h_2 is not to exceed 0.3 mm.

Straightness tolerance

Length l_1 in mm		Tolerance H_1 in mm
from	to	
-	1'000	0.7
1'000	2'000	1.3
2'000	3'000	1.8
3'000	4'000	2.2
4'000	5'000	2.6
5'000	6'000	3.0

Flatness tolerance

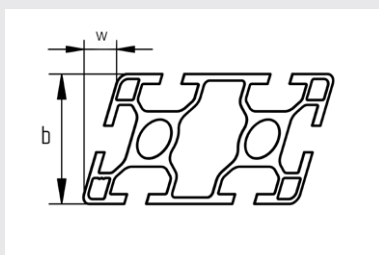
(Twist tolerance)



Width b in mm		Flatness tolerance v					
Dim. range		at length l in mm					
from	to	to 1'000	> 1'000 to 2'000	> 2'000 to 3'000	> 3'000 to 4'000	> 4'000 to 5'000	> 5'000 to 6'000
-	25	1.0	1.5	1.5	2.0	2.0	2.0
25	50	1.0	1.2	1.5	1.8	2.0	2.0
50	75	1.0	1.2	1.2	1.5	2.0	2.0
75	100	1.0	1.2	1.5	2.0	2.2	2.5
100	125	1.0	1.5	1.8	2.2	2.5	3.0
125	150	1.2	1.5	2.2	2.6	3.0	3.5
150	200	1.5	1.8	2.2	2.6	3.0	3.5
200	300	1.8	2.5	3.0	3.5	4.0	4.5

Parallelism tolerance

(Angular tolerance)



The parallelism tolerance w (angular tolerance) refers to unequal sides to the shorter side of the angle, i.e. it is measured from the longer side.

Parallelism tolerance

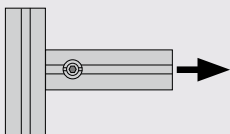
Width b in mm		max. size tolerance w in mm
from	to	
-	30	0.3
30	50	0.4
50	80	0.5
80	100	0.6
100	120	0.7
120	140	0.8
140	160	0.9
160	180	1.0
180	200	1.2
200	240	1.5

Strength values for profile connections

**Torque tightening values
for connector setscrew**

Grid	Slot	Setscrew	Torque value	
		special execution	recommended	max.
30	B	M10x12	25.0 Nm	30.0 Nm
40	C	M10x12	30.0 Nm	40.0 Nm
45	D	M10x12	30.0 Nm	40.0 Nm
50	D	M10x12	30.0 Nm	40.0 Nm
60	D	M10x12	30.0 Nm	40.0 Nm

Tension load

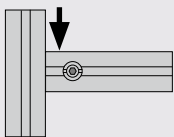


Grid	Slot	max. Tensile strength				
		Connector			T-Nut	
		Standard	Universal	Square head		
30	B	5000 N	6000 N	8000 N	M8	8000 N
40	C	10000 N	12000 N	12000 N	M8	12000 N
45	D	15000 N	18000 N	20000 N	M8	20000 N
50	D	15000 N	18000 N	20000 N	M8	20000 N
60	D	15000 N	18000 N	20000 N	M8	20000 N

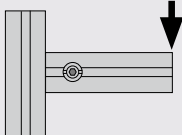
Comments

Given values have been tested with pretension of the connectors and max. torque value and refer to the connection of two identical profiles.

Shear load



Flexure load



Grid	Profile	Slot	Pcs	max. Slide strength		max. Flexure strength		
				Connector		Standard	Universal	Square head
				Standard	E-connector			
				Universal	Standard			
30	30x30	B	1	5000 N	7500 N	100 Nm		
	30x50		1	5000 N	7500 N		100 Nm	160 Nm
	30x60		2	10000 N	15000 N		200 Nm	400 Nm
	30x100, 5F		2	10000 N	15000 N		200 Nm	640 Nm
	30x100, 8F		3	15000 N	22500 N		300 Nm	960 Nm
	30x150, 5F		3	15000 N	22500 N		300 Nm	1500 Nm
	60x60 angle		3	15000 N	22500 N	500 Nm		
	60x60		4	20000 N	30000 N	800 Nm		
	30x150	C	2	12000 N	18000 N		500 Nm	2000 Nm
	40x40	C	1	6000 N	9000 N	250 Nm		
40	40x60		1	6000 N	9000 N		250 Nm	375 Nm
	40x80		2	12000 N	18000 N		500 Nm	1000 Nm
	40x120		3	18000 N	27000 N		750 Nm	2250 Nm
	40x160		4	24000 N	36000 N		1000 Nm	4000 Nm
	80x80 angle		3	18000 N	27000 N	1250 Nm		
	80x80, 8E		4	24000 N	36000 N	2000 Nm		
	80x120		6	36000 N	54000 N		3000 Nm	4500 Nm
	120x120		8	48000 N	72000 N	6000 Nm		
	80x160		8	48000 N	72000 N		4000 Nm	8000 Nm
	45	D	1	6000 N	9000 N	360 Nm		
45	45x60		1	6000 N	9000 N		360 Nm	480 Nm
	45x90		2	12000 N	18000 N		720 Nm	1440 Nm
	90x90		4	24000 N	36000 N	2880 Nm		
	50x50	D	1	6000 N	9000 N	400 Nm		
	50x100, 6C		2	12000 N	18000 N		800 Nm	1600 Nm
	50x100, 8C		3	18000 N	27000 N		1200 Nm	2400 Nm
50	50x150		3	18000 N	27000 N		1200 Nm	3600 Nm
	100x100		4	24000 N	36000 N	3200 Nm		
	100x200		8	48000 N	72000 N			12800 Nm
	60x60	D	1	6000 N	9000 N	480 Nm		
60	60x90		2	12000 N	18000 N		960 Nm	1440 Nm

