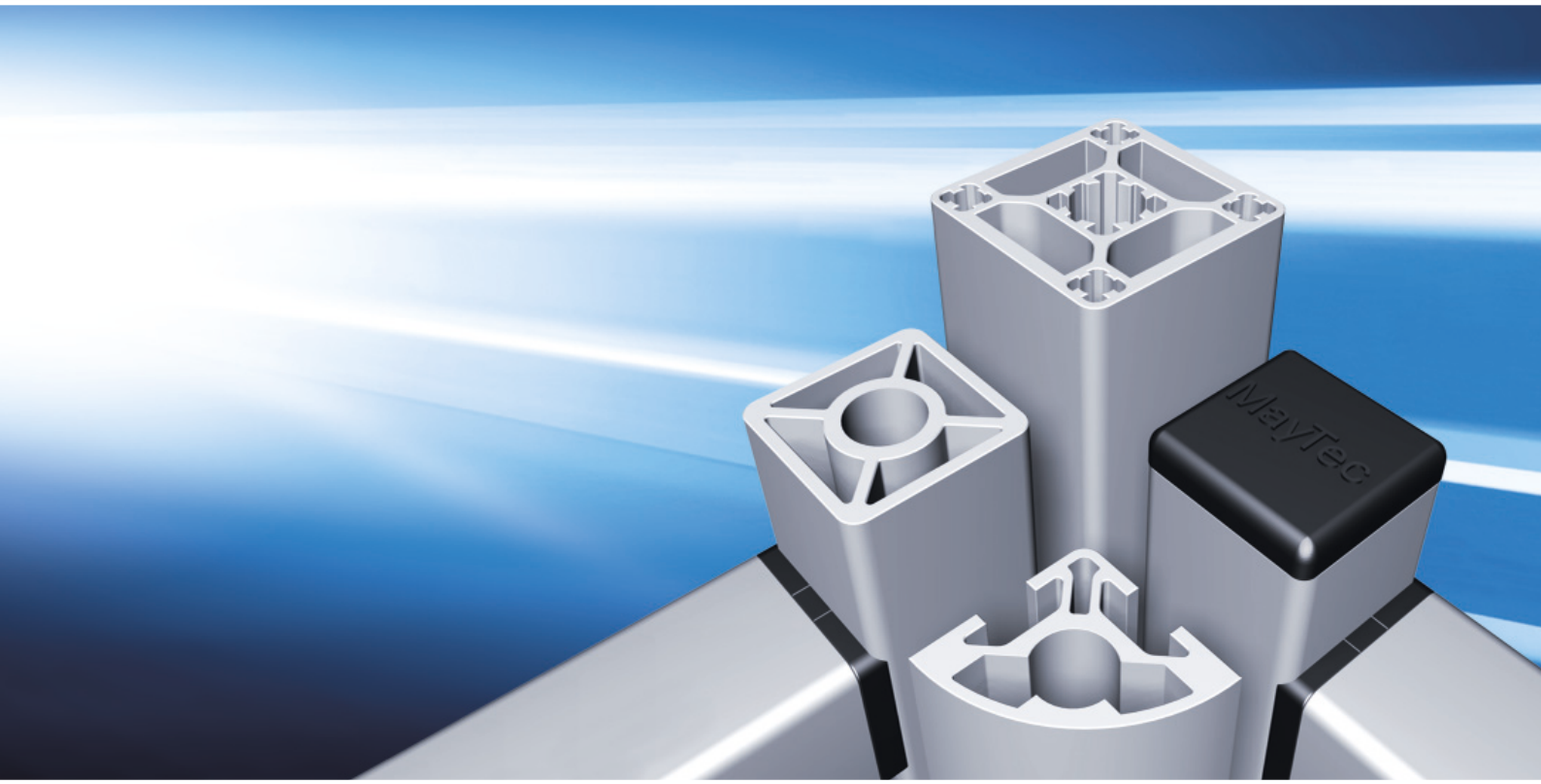
English



» The Clean-Room System

1/2013

MayTec®

MayTec GmbH plant in Dachau

The Profile system

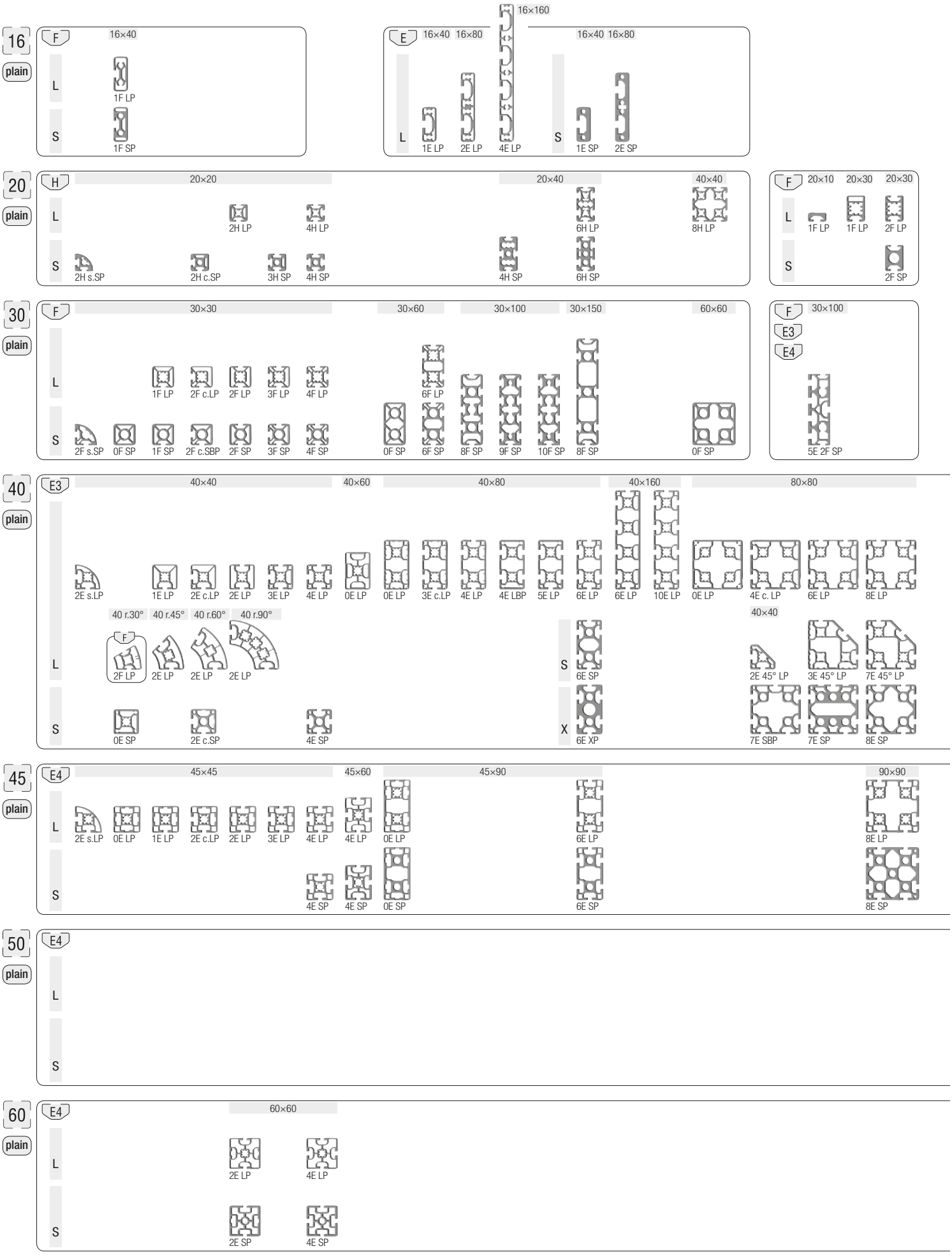
for

- **Clean-room technology**
- **Electrical engineering**
- **Medical technology**
- **Food industry**
- **Optical industry**

MayTec enlarges its range with new components to enhance the use of the Profile System in application areas where high sterility standards apply.
Covering fields in electrical engineering, optical industry along with the food industry and medical technology applications, the profiles can now be utilized on a large scale.
Basing on the MayTec Standard System, the MayTec Connection System enables a simple and quick assembly and guarantees highest stability.

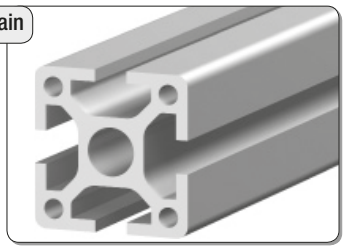
Small parts store

Stock of aluminium profiles


16
plain
F
16×40
L
1F LP
S
1F SP
E
16×40 16×80
16×160
16×40 16×80
L
1E LP
2E LP
4E LP
S
1E SP
2E SP
20
plain
H
20×20
20×40
40×40
L
2H LP
4H LP
6H LP
8H LP
S
2H s.SP
2H c.SP
3H SP
4H SP
4H SP
6H SP
F
20×10
20×30
20×30
L
1F LP
1F LP
2F LP
S
2F SP
30
plain
F
30×30
30×60
30×100
30×150
60×60
L
1F LP
2F c.LP
2F LP
3F LP
4F LP
6F LP
S
2F s.SP
0F SP
1F SP
2F c.SBP
2F SP
3F SP
4F SP
0F SP
6F SP
8F SP
9F SP
10F SP
8F SP
0F SP
F
E3
E4
30×100
5E 2F SP
40
plain
E3
40×40
40×60
40×80
40×160
80×80
L
2E s.LP
1E LP
2E c.LP
2E LP
3E LP
4E LP
0E LP
0E LP
3E c.LP
4E LP
4E LBP
5E LP
6E LP
6E LP
10E LP
0E LP
4E c. LP
6E LP
8E LP
40 r.30°
40 r.45°
40 r.60°
40 r.90°
F
2F LP
2E LP
2E LP
2E LP
S
6E SP
40×40
2E 45° LP
3E 45° LP
7E 45° LP
S
0E SP
2E c.SP
4E SP
X
6E XP
7E SBP
7E SP
8E SP
45
plain
E4
45×45
45×60
45×90
90×90
L
2E s.LP
0E LP
1E LP
2E c.LP
2E LP
3E LP
4E LP
4E LP
0E LP
6E LP
8E LP
S
4E SP
4E SP
0E SP
6E SP
8E SP
50
plain
E4
L
S
60
plain
E4
60×60
L
2E LP
4E LP
S
2E SP
4E SP

Summary: Profiles (plain)

plain



without grooves

16 20 30 40 45 50 60	Profile group
S	Special profiles
H F E	Slot type
plain	plain

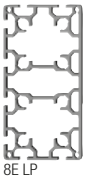
L	light
S	heavy
X	extra heavy
P	plain
B	type B

hexag.	hexagonal
octag.	octagonal
c.	corner
r.	round
s.	soft
a.	angle

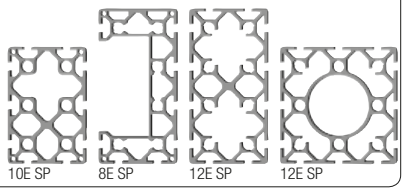
E4 30×150

8E SP

80×120 80×160 120×120



8E LP



10E SP 8E SP 12E SP 12E SP

100×200

12E SP

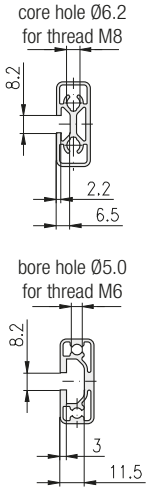
S

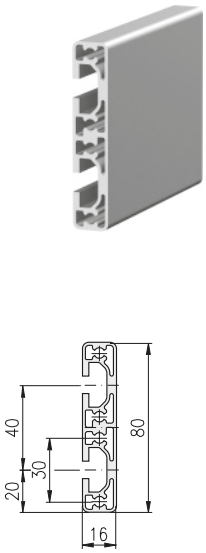
plain

Profiles

Round	hexagonal		octagonal	
48 round	30 hexag.	40 hexag.	30 octag.	40 octag.
1E SP 2E c.SP 2E SP	6F SP	6E SP	8F SP	8E SP

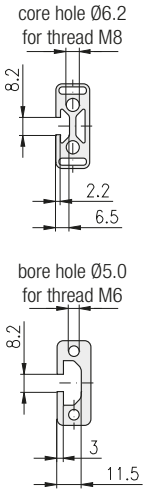
light

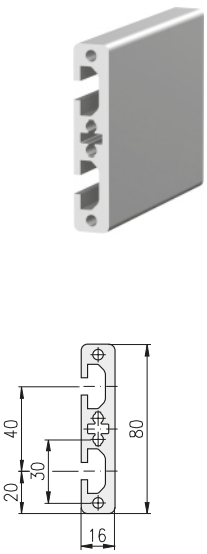




Description	Profile 16×40, 1F, LP	Profile 16×40, 1E, LP	Profile 16×80, 2E, LP	Profile 16×160, 4E, LP
bar, 6 m	1.10.016040.14LP.60	1.09.016040.14LP.60	1.09.016080.24LP.60	1.09.016160.44LP.60
packing unit (number)	1.10.016040.14LP.61 (20)	1.09.016040.14LP.61 (20)	1.09.016080.24LP.61 (10)	1.09.016160.44LP.61 (5)
moment of inertia cm4	I_x = 4.4 I_y = 0.8	I_x = 4.3 I_y = 0.8	I_x = 30.7 I_y = 1.6	I_x = 221.0 I_y = 3.2
moment of resistance cm3	W_x = 2.2 W_y = 0.8	W_x = 2.2 W_y = 0.8	W_x = 7.7 W_y = 1.6	W_x = 27.5 W_y = 3.2
weight kg/m	G = 0.87	G = 0.75	G = 1.49	G = 2.6

heavy

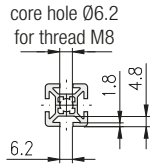




Description	Profile 16×40, 1F, SP	Profile 16×40, 1E, SP	Profile 16×80, 2E, SP	
bar, 6 m	1.10.016040.14SP.60	1.09.016040.14SP.60	1.09.016080.24SP.60	
packing unit (number)	1.10.016040.14SP.61 (20)	1.09.016040.14SP.61 (20)	1.09.016080.24SP.61 (10)	
moment of inertia cm4	I_x = 5.3 I_y = 1.0	I_x = 7.2 I_y = 1.1	I_x = 48.3 I_y = 2.2	
moment of resistance cm3	W_x = 2.7 W_y = 1.0	W_x = 3.6 W_y = 1.1	W_x = 12.0 W_y = 2.2	
weight kg/m	G = 1.0	G = 1.14	G = 2.11	

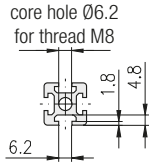
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

light



Description			Profile 20×20, 2H, LP	
bar, 6 m			1.10.020020.23LP.60	
packing unit (number)			1.10.020020.23LP.61 (10)	
moment of inertia cm4 moment of resistance cm3 weight kg/m			I_x = 1.0 I_y = 0.8 W_x = 1.0 W_y = 0.8 G = 0.58	

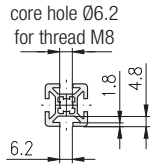
heavy



Description	Profile 20×20, 2H, soft, SP	Profile 20×20, 2H, corner, SP		Profile 20×20, 3H, SP
bar, 6 m	1.10.020020.21SP.60	1.10.020020.22SP.60		1.10.020020.33SP.60
packing unit (number)	1.10.020020.21SP.61 (10)	1.10.020020.22SP.61 (10)		1.10.020020.33SP.61 (10)
moment of inertia cm4 moment of resistance cm3 weight kg/m	I_x = 0.6 I_y = 0.6 W_x = 0.6 W_y = 0.6 G = 0.52	I_x = 1.0 I_y = 1.0 W_x = 0.9 W_y = 0.9 G = 0.68		I_x = 0.9 I_y = 0.9 W_x = 0.9 W_y = 0.9 G = 0.65

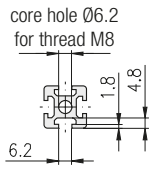
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

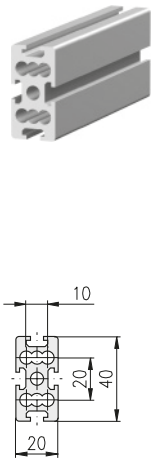
light



Description	Profile 20×20, 4H, LP		Profile 20×40, 6H, LP	Profile 40×40, 8H, LP
bar, 6 m	1.10.020020.43LP.60		1.10.020040.64LP.60	1.10.040040.83LP.60
packing unit (number)	1.10.020020.43LP.61 (10)		1.10.020040.64LP.61 (10)	1.10.040040.83LP.61 (10)
moment of inertia cm4	I_x = 0.8 I_y = 0.8		I_x = 5.3 I_y = 1.4	I_x = 10.0 I_y = 10.0
moment of resistance cm3	W_x = 0.8 W_y = 0.8		W_x = 2.6 W_y = 1.4	W_x = 5.0 W_y = 5.0
weight kg/m	G = 0.53		G = 0.9	G = 1.5

heavy

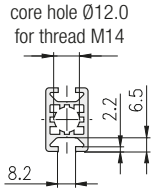


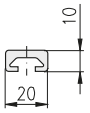


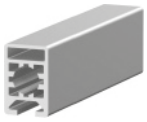
Description	Profile 20×20, 4H, SP	Profile 20×40, 4H, SP	Profile 20×40, 6H, SP	
bar, 6 m	1.10.020020.43SP.60	1.10.020040.44SP.60	1.10.020040.64SP.60	
packing unit (number)	1.10.020020.43SP.61 (10)	1.10.020040.44SP.61 (10)	1.10.020040.64SP.61 (10)	
moment of inertia cm4	I_x = 0.9 I_y = 0.9	I_x = 7.0 I_y = 2.0	I_x = 6.4 I_y = 1.7	
moment of resistance cm3	W_x = 0.9 W_y = 0.9	W_x = 3.5 W_y = 2.0	W_x = 3.2 W_y = 1.7	
weight kg/m	G = 0.62	G = 1.3	G = 1.3	

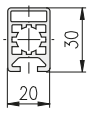
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

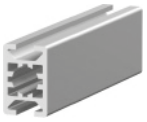
light

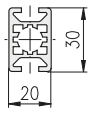






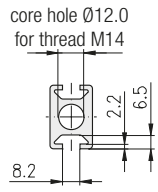


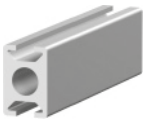


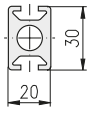


Description	Profile 20×10, 1F, LP	Profile 20×30, 1F, LP	Profile 20×30, 2F, LP	
bar, 6 m	1.11.020010.14LP.60	1.11.020030.14LP.60	1.11.020030.24LP.60	
packing unit (number)	1.11.020010.14LP.61 (10)	1.11.020030.14LP.61 (10)	1.11.020030.24LP.61 (10)	
moment of inertia cm4 moment of resistance cm3 weight kg/m	I_x = 0.1 I_y = 0.6 W_x = 0.2 W_y = 0.5 G = 0.35	I_x = 2.2 I_y = 1.4 W_x = 1.5 W_y = 1.4 G = 0.7	I_x = 2.2 I_y = 1.5 W_x = 1.5 W_y = 1.5 G = 0.74	

heavy



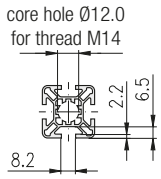


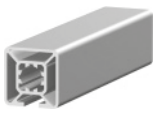


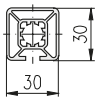
Description			Profile 20×30, 2F, SP	
bar, 6 m			1.11.020030.24SP.60	
packing unit (number)			1.11.020030.24SP.61 (10)	
moment of inertia cm4 moment of resistance cm3 weight kg/m			I_x = 2.6 I_y = 1.9 W_x = 1.7 W_y = 1.7 G = 1.0	

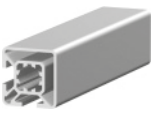
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

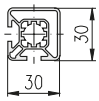
light





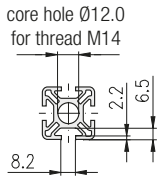


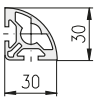


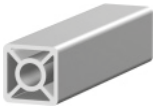


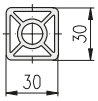
Description			Profile 30×30, 1F, LP	Profile 30×30, 2F, corner, LP
bar, 6 m			1.11.030030.13LP.60	1.11.030030.22LP.60
packing unit (number)			1.11.030030.13LP.61 (10)	1.11.030030.22LP.61 (10)
moment of inertia cm4 moment of resistance cm3 weight kg/m			I_x = 3.1 I_y = 3.1 W_x = 2.1 W_y = 2.1 G = 0.9	I_x = 3.2 I_y = 3.2 W_x = 2.1 W_y = 2.1 G = 0.9

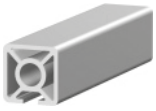
heavy

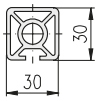


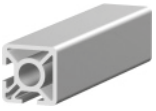


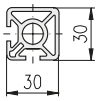






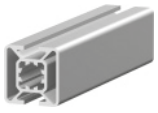
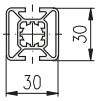
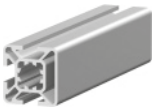
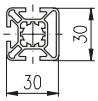
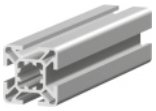
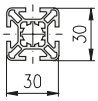
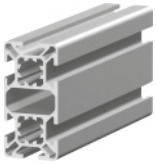
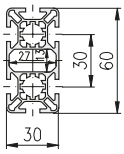


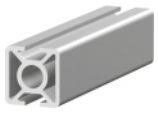
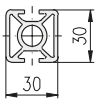
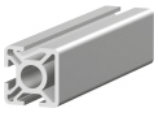
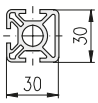
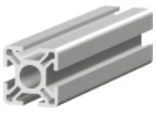
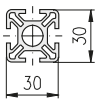
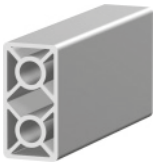
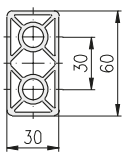
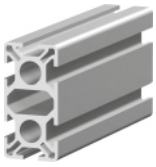
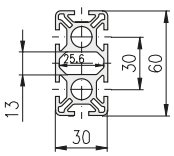




Description	Profile 30×30, 2F, soft, SP	Profile 30×30, 0F, SP	Profile 30×30, 1F, SP	Profile 30×30, 2F, corner, SBP
bar, 6 m	1.11.030030.21SP.60	1.11.030030.03SP.60	1.11.030030.13SP.60	1.11.030030.22SBP.60
packing unit (number)	1.11.030030.21SP.61 (10)	1.11.030030.03SP.61 (10)	1.11.030030.13SP.61 (10)	1.11.030030.22SBP.61(10)
moment of inertia cm4 moment of resistance cm3 weight kg/m	I_x = 2.7 I_y = 2.7 W_x = 1.6 W_y = 1.6 G = 0.9	I_x = 4.4 I_y = 4.4 W_x = 2.3 W_y = 2.3 G = 1.3	I_x = 4.3 I_y = 4.0 W_x = 2.9 W_y = 2.6 G = 1.2	I_x = 3.7 I_y = 3.7 W_x = 2.4 W_y = 2.4 G = 1.1

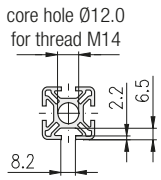
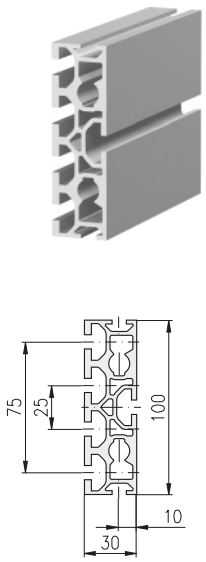
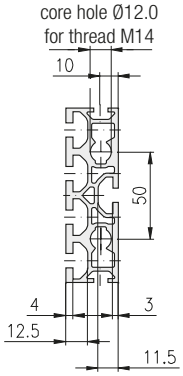
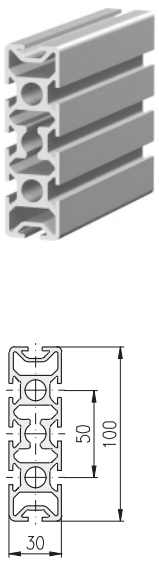
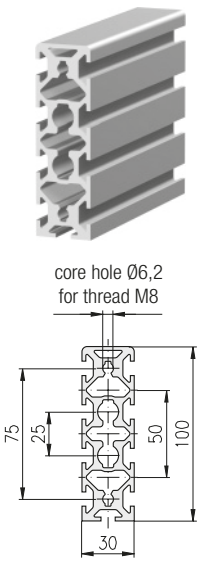
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

 	 	 		 
Profile 30×30, 2F, LP	Profile 30×30, 3F, LP	Profile 30×30, 4F, LP		Profile 30×60, 6F, LP
1.11.030030.23LP.60	1.11.030030.33LP.60	1.11.030030.43LP.60		1.11.030060.64LP.60
1.11.030030.23LP.61 (10)	1.11.030030.33LP.61 (10)	1.11.030030.43LP.61 (10)		1.11.030060.64LP.61 (6)
I_x = 3.2 I_y = 3.2 W_x = 2.1 W_y = 2.1 G = 0.9	I_x = 3.3 I_y = 3.2 W_x = 2.2 W_y = 2.2 G = 0.9	I_x = 3.3 I_y = 3.3 W_x = 2.2 W_y = 2.2 G = 0.9		I_x = 21.2 I_y = 5.7 W_x = 7.0 W_y = 3.8 G = 1.6

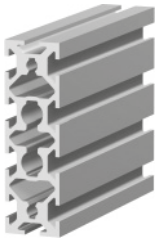
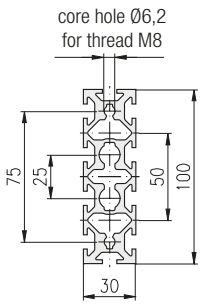
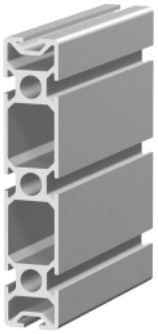
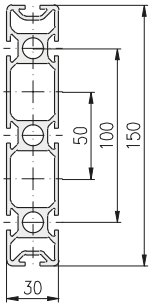
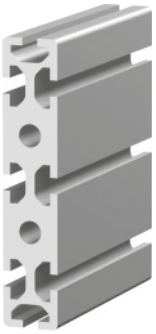
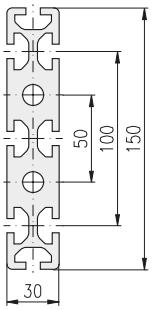
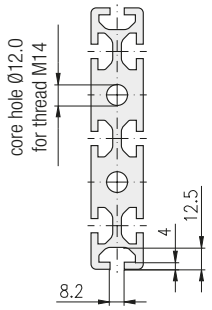
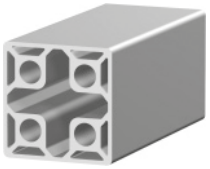
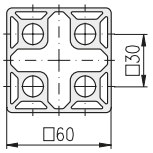
 	 	 	 	 
Profile 30×30, 2F, SP	Profile 30×30, 3F, SP	Profile 30×30, 4F, SP	Profile 30×60, 0F, SP	Profile 30×60, 6F, SP
1.11.030030.23SP.60	1.11.030030.33SP.60	1.11.030030.43SP.60	1.11.030060.04SP.60	1.11.030060.65SP.60
1.11.030030.23SP.61 (10)	1.11.030030.33SP.61 (10)	1.11.030030.43SP.61 (10)	1.11.030060.04SP.61 (6)	1.11.030060.65SP.61 (6)
I_x = 3.6 I_y = 3.9 W_x = 2.4 W_y = 2.6 G = 1.1	I_x = 3.5 I_y = 3.7 W_x = 2.4 W_y = 2.4 G = 1.1	I_x = 3.5 I_y = 3.5 W_x = 2.4 W_y = 2.4 G = 1.1	I_x = 29.0 I_y = 7.8 W_x = 9.6 W_y = 5.2 G = 2.2	I_x = 25.0 I_y = 7.0 W_x = 8.3 W_y = 4.7 G = 2.1

machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

light				
Description				
bar, 6 m				
packing unit (number)				
moment of inertia cm4 moment of resistance cm3 weight kg/m				

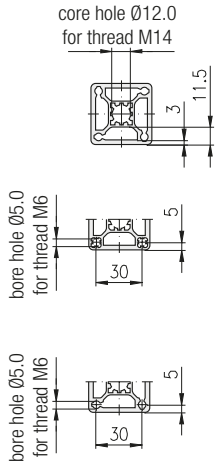
heavy				
					
Description	Profile 30×100, 5E, 2F, SP			Profile 30×100, 8F, SP	Profile 30×100, 9F, SP
bar, 6 m	1.11.030100.74SP.60			1.11.030100.84SP.60	1.11.030100.94SP.60
packing unit (number)	1.11.030100.74SP.61 (4)			1.11.030100.84SP.61 (4)	1.11.030100.94SP.61 (4)
moment of inertia cm4 moment of resistance cm3 weight kg/m	I_x = 108.9 I_y = 12.4 W_x = 21.7 W_y = 8.3 G = 3.5			I_x = 115.0 I_y = 11.6 W_x = 22.9 W_y = 7.7 G = 3.4	I_x = 130.6 I_y = 11.9 W_x = 25.9 W_y = 7.9 G = 3.6

machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

 	 	 	Connection possibilities ☞ *110, Universal connector* ☞ *114, ST-Connector* *(Catalogue 'The Profile System')* 	 
Profile 30×100, 10F, SP	Profile 30×150, 8F, SP	Profile 30×150, 8E, SP		Profile 60×60, 0F, SP
1.11.030100.104SP.60	1.11.030150.85SP.60	1.11.030150.84SP.60		1.11.060060.03SP.60
1.11.030100.104SP.61 (4)	1.11.030150.85SP.61 (2)	1.11.030150.84SP.61 (2)		1.11.060060.03SP.61 (6)
I_x = 127.0 I_y = 11.9 W_x = 25.4 W_y = 7.9 G = 3.6	I_x = 340.0 I_y = 16.0 W_x = 45.0 W_y = 11.0 G = 4.1	I_x = 481.0 I_y = 25.1 W_x = 64.1 W_y = 16.7 G = 7.9		I_x = 58.2 I_y = 58.2 W_x = 15.5 W_y = 15.5 G = 4.0

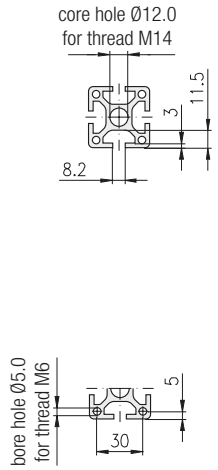
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

light



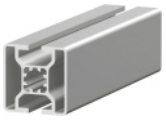
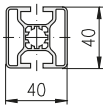
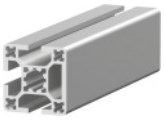
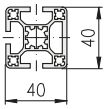
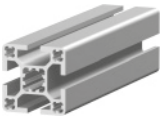
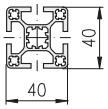
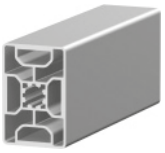
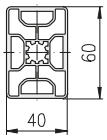
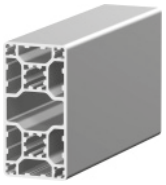
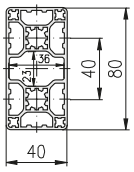
Description	Profile 40×40, 2E, soft, LP		Profile 40×40, 1E, LP	Profile 40×40, 2E, corner, LP
bar, 6 m	1.11.040040.21LP.60		1.11.040040.13LP.60	1.11.040040.22LP.60
packing unit (number)	1.11.040040.21LP.61 (8)		1.11.040040.13LP.61 (8)	1.11.040040.22LP.61 (8)
moment of inertia cm4	I_x = 6.4 I_y = 6.4		I_x = 8.5 I_y = 8.1	I_x = 8.0 I_y = 8.0
moment of resistance cm3	W_x = 3.8 W_y = 3.8		W_x = 4.1 W_y = 4.0	W_x = 4.0 W_y = 4.0
weight kg/m	G = 1.2		G = 1.3	G = 1.3

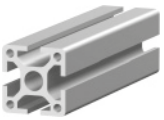
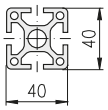
heavy



Description		Profile 40×40, 0E, SP		Profile 40×40, 2E, corner, SP
bar, 6 m		1.11.040040.03SP.60		1.11.040040.22SP.60
packing unit (number)		1.11.040040.03SP.61 (8)		1.11.040040.22SP.61 (8)
moment of inertia cm4		I_x = 12.0 I_y = 12.0		I_x = 12.0 I_y = 12.0
moment of resistance cm3		W_x = 6.0 W_y = 6.0		W_x = 6.0 W_y = 6.0
weight kg/m		G = 1.8		G = 2.0

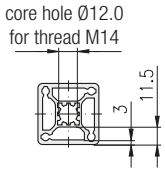
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

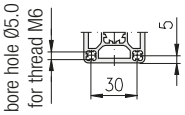
 	 	 	 	 
Profile 40×40, 2E, LP	Profile 40×40, 3E, LP	Profile 40×40, 4E, LP	Profile 40×60, 0E, LP	Profile 40×80, 0E, LP
1.11.040040.23LP.60	1.11.040040.33LP.60	1.11.040040.43LP.60	1.11.040060.04LP.60	1.11.040080.04LP.60
1.11.040040.23LP.61 (8)	1.11.040040.33LP.61 (8)	1.11.040040.43LP.61 (8)	1.11.040060.04LP.61 (8)	1.11.040080.04LP.61 (4)
I_x = 8.2 I_y = 7.5 W_x =4.13.8 W_y = 4.7 G =1.3 1.5	I_x = 9.4 I_y = 10.0 W_x = 5.0 W_y = 4.9 G = 1.5	I_x = 9.9 I_y = 9.9 W_x = 4.9 W_y = 9.3 G = 2.1	I_x = 27.7 I_y = 13.1 W_x = 6.5 W_y = 16.7 G = 2.7	I_x = 66.8 I_y = 18.4 W_x = 9.2 W_y = G =

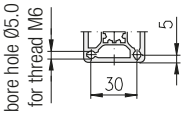
 				
		Profile 40×40, 4E, SP		
		1.11.040040.43SP.60		
		1.11.040040.43SP.61 (8)		
		I_x = 12.0 I_y = 12.0 W_x = 6.0 W_y = 6.0 G = 2.0		

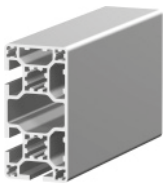
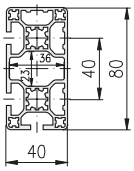
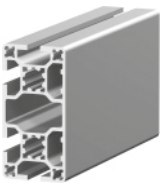
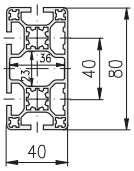
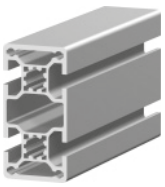
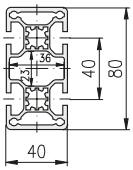
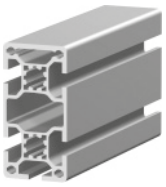
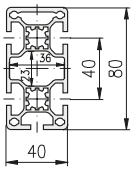
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

light

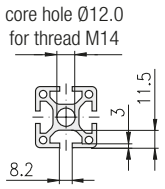


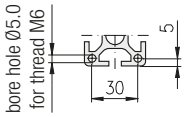




	 	 	 	 
Description	Profile 40×80, 3E, corner, LP	Profile 40×80, 4E, LP	Profile 40×80, 4E, LBP	Profile 40×80, 5E, LP
bar, 6 m	1.11.040080.32LP.60	1.11.040080.44LP.60	1.11.040080.44LBP.60	1.11.040080.54LP.60
packing unit (number)	1.11.040080.32LP.61 (4)	1.11.040080.44LP.61 (4)	1.11.040080.44LBP.61 (4)	1.11.040080.54LP.61 (4)
moment of inertia cm4 moment of resistance cm3 weight kg/m	I_x = 65.2 I_y = 17.9 W_x = 16.3 W_y = 8.9 G = 2.6	I_x = 64.0 I_y = 17.9 W_x = 16.0 W_y = 8.9 G = 2.6	I_x = 74.5 I_y = 18.3 W_x = 18.6 W_y = 9.2 G = 2.8	I_x = 72.2 I_y = 18.1 W_x = 18.0 W_y = 9.0 G = 2.8

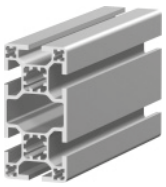
heavy

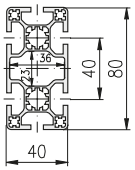




Description				
bar, 6 m				
packing unit (number)				
moment of inertia cm4 moment of resistance cm3 weight kg/m				

machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*



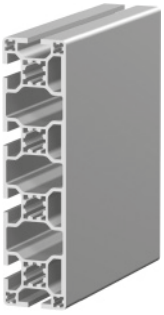


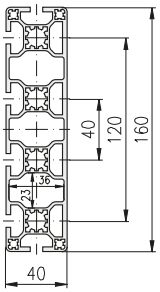
Profile 40×80,
6E, LP

1.11.040080.64LP.60

1.11.040080.64LP.61 (4)

I_x = 62.7 I_y = 17.7
W_x = 15.6 W_y = 8.8
G = 2.5



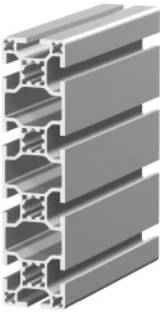


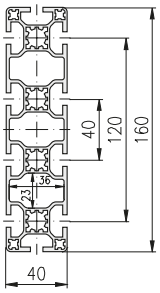
Profile 40×160,
6E, LP

1.11.040160.64LP.60

1.11.040160.64LP.61 (2)

I_x = 450.4 I_y = 36.3
W_x = 56.3 W_y = 18.1
G = 5.0



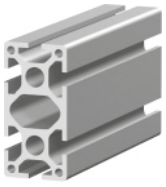


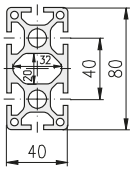
Profile 40×160,
10E, LP

1.11.040160.104LP.60

1.11.040160.104LP.61 (2)

I_x = 433.5 I_y = 33.1
W_x = 54.2 W_y = 16.5
G = 4.7





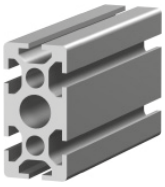
Profile 40×80,
6E, SP

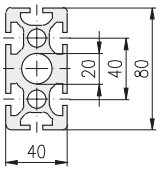
1.11.040080.64SP.60

1.11.040080.64SP.61 (4)

I_x = 82.0 I_y = 23.4
W_x = 20.5 W_y = 11.7
G = 3.8

extra heavy





Profile 40×80,
6E, XP

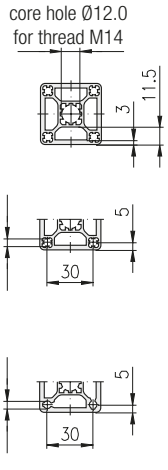
1.11.040080.64XP.60

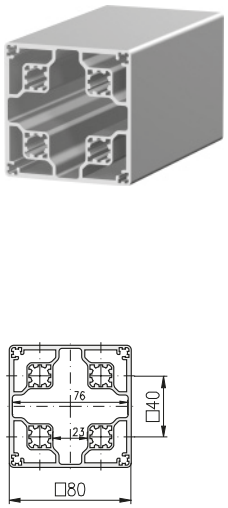
1.11.040080.64XP.61 (4)

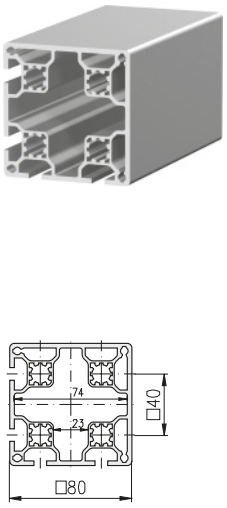
I_x = 90.0 I_y = 27.0
W_x = 22.5 W_y = 13.5
G = 4.4

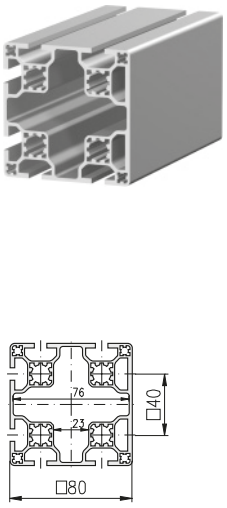
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

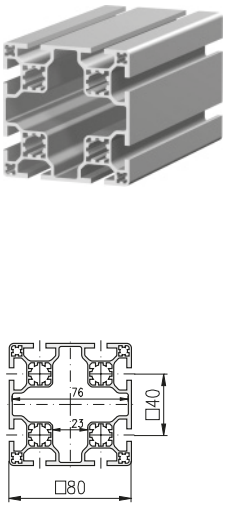
light





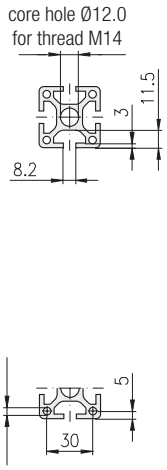


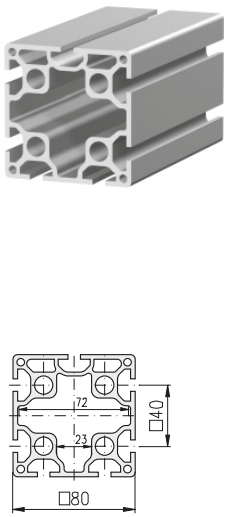


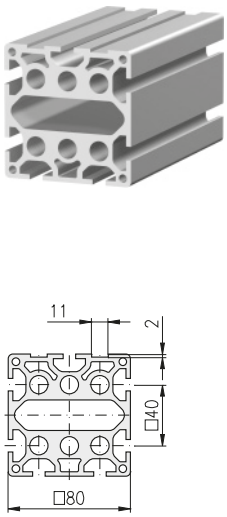


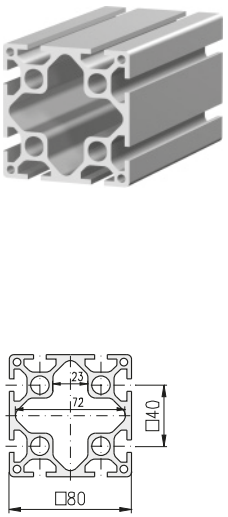
Description	Profile 80×80, 0E, LP	Profile 80×80, 4E, corner, LP	Profile 80×80, 6E, LP	Profile 80×80, 8E, LP
bar, 6 m	1.11.080080.03LP.60	1.11.080080.42LP.60	1.11.080080.63LP.60	1.11.080080.83LP.60
packing unit (number)	1.11.080080.03LP.61 (2)	1.11.080080.42LP.61 (2)	1.11.080080.63LP.61 (2)	1.11.080080.83LP.61 (2)
moment of inertia cm⁴ moment of resistance cm³ weight kg/m	I_x = 135.0 I_y = 135.0 W_x = 33.5 W_y = 33.5 G = 4.7	I_x = 128.0 I_y = 128.0 W_x = 32.0 W_y = 32.0 G = 4.5	I_x = 121.3 I_y = 116.0 W_x = 30.3 W_y = 29.0 G = 4.2	I_x = 114.0 I_y = 114.0 W_x = 28.4 W_y = 28.4 G = 4.1

heavy



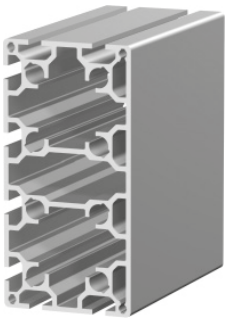
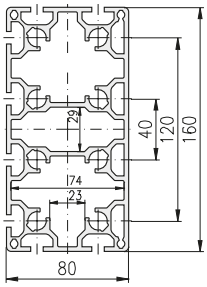


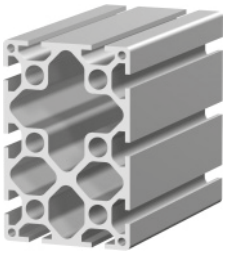
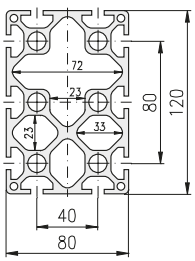
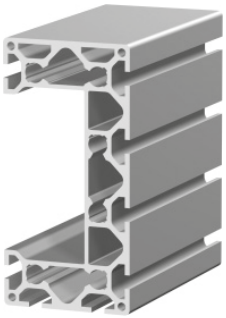
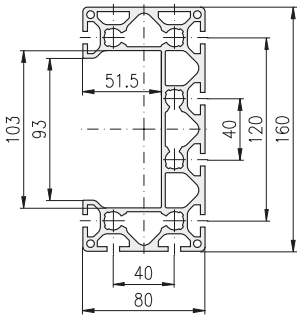
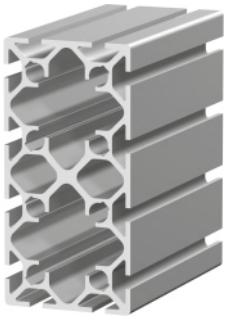
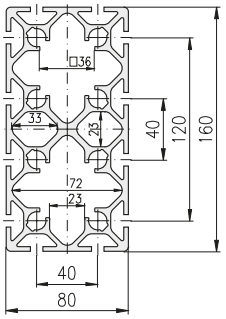
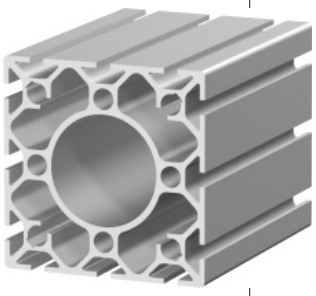
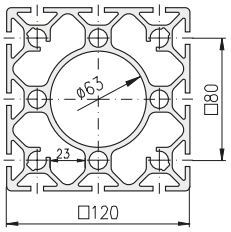




Description		Profile 80×80, 7E, SBP	Profile 80×80, 7E, SP	Profile 80×80, 8E, SP
bar, 6 m		1.11.080080.73SBP.60	1.11.080080.79SP.60	1.11.080080.83SP.60
packing unit (number)		1.11.080080.73SBP.61 (2)	1.11.080080.79SP.61 (2)	1.11.080080.83SP.61 (2)
moment of inertia cm⁴ moment of resistance cm³ weight kg/m		I_x = 145.0 I_y = 141.0 W_x = 36.2 W_y = 35.2 G = 5.3	I_x = 173.0 I_y = 160.0 W_x = 43.3 W_y = 40.0 G = 7.6	I_x = 166.0 I_y = 166.0 W_x = 41.4 W_y = 41.4 G = 5.9

machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

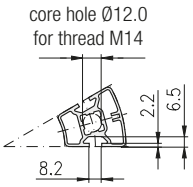
	 			
	Profile 80×160, 8E, LP			
	1.11.080160.84LP.60			
	1.11.080160.84LP.61 (2)			
	I_x = 828.0 I_y = 259.0 W_x = 104.0 W_y = 65.0 G = 8.6			

 	 Application ☞ *E-trunking profiles, 59, 324-327 (Catalogue 'The Profile System')* 	 	 
Profile 80×120, SP	Profile 80×160, 8E, SP	Profile 80×160, 12E, SP	Profile 120×120, 10E, 12E, SP
1.11.080120.104SP.60	1.11.080160.89SP.60	1.11.080160.124SP.60	1.11.120120.123SP.60
1.11.080120.104SP.61 (2)	1.11.080160.89SP.61 (2)	1.11.080160.124SP.61 (2)	1.11.120120.123SP.61 (2)
I_x = 449.9 I_y = 217.8 W_x = 72.6 W_y = 54.4 G = 8.6	I_x = 944.0 I_y = 183.0 W_x = 118.0 W_y = 45.8 G = 7.9	I_x = 883.0 I_y = 269.0 W_x = 110.0 W_y = 67.3 G = 9.4	I_x = 624.0 I_y = 624.0 W_x = 104.0 W_y = 104.0 G = 10.6

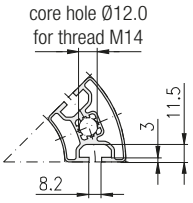
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

light

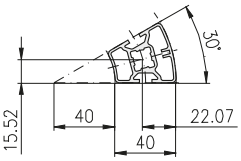
F-Slot

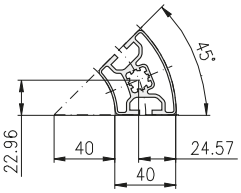


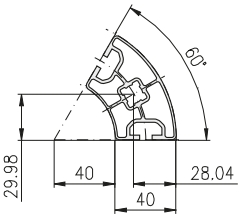
E3-Slot



F-Slot



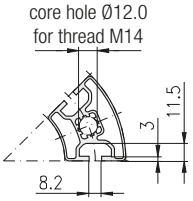


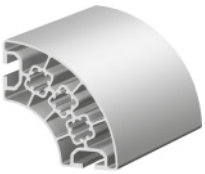


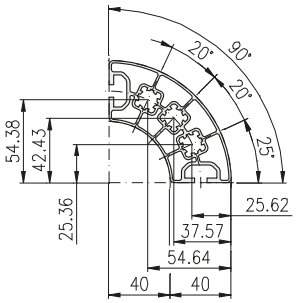
Connection possibilities and calculation formulas for polygons ☞ *1.2D*

Description	Profile 40, round 30 deg., 2F, LP	Profile 40, round 45 deg., 2E, LP	Profile 40, round 60 deg., 2E, LP	
bar, 6 m	1.11.040R30.20LP.60	1.11.040R45.20LP.60	1.11.040R60.20LP.60	
packing unit (number)	1.11.040R30.20LP.61 (8)	1.11.040R45.20LP.61 (8)	1.11.040R60.20LP.61 (8)	
moment of inertia cm4	I_x = 6.0 I_y = 4.8	I_x = 14.5 I_y = 8.0	I_x = 30.0 I_y = 10.5	
moment of resistance cm3	W_x = 3.0 W_y = 2.4	W_x = 4.9 W_y = 3.7	W_x = 7.6 W_y = 4.6	
weight kg/m	G = 1.2	G = 1.6	G = 1.9	

light





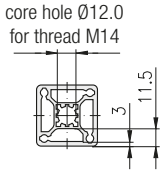


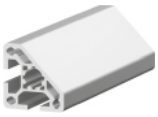
Connection possibilities and calculation formulas for polygons ☞ *1.2D*

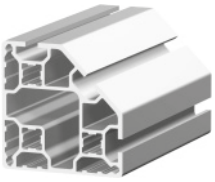
Description	Profile 40, round 90 deg., 2E, LP	
bar, 6 m	1.11.040R90.20LP.60	
packing unit (number)	1.11.040R90.20LP.61 (4)	
moment of inertia cm4	I_x = 89.0 I_y = 89.0	
moment of resistance cm3	W_x = 16.0 W_y = 16.0	
weight kg/m	G = 3.0	

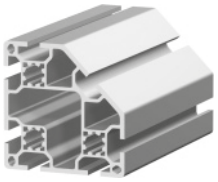
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

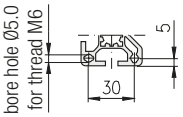
light

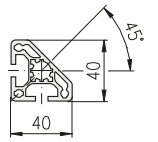


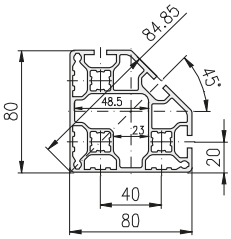


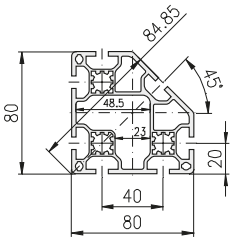








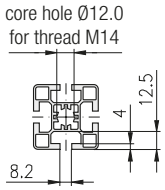


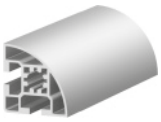
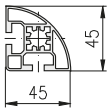
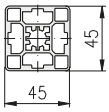
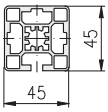
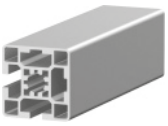
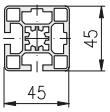


Description	Profile 40×40, 2E, 45 deg., LP	Profile 80×80, 3E, 45 deg., LP	Profile 80×80, 7E, 45 deg., LP	
bar, 6 m	1.11.040040.28LP.60	1.11.080080.38LP.60	1.11.080080.78LP.60	
packing unit (number)	1.11.040040.28LP.61 (8)	1.11.080080.38LP.61 (2)	1.11.080080.78LP.61 (2)	
moment of inertia cm^4 moment of resistance cm^3 weight kg/m	I_x = 7.3 I_y = 7.3 W_x = 3.9 W_y = 3.9 G = 1.4	I_x = 105.0 I_y = 105.0 W_x = 26.0 W_y = 26.0 G = 4.1	I_x = 99.3 I_y = 99.3 W_x = 24.8 W_y = 24.8 G = 4.0	

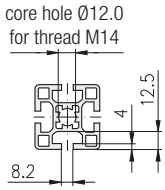
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

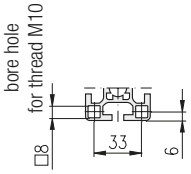
light



	 	 	 	 
Description	Profile 45×45, 2E, soft, LP	Profile 45×45, 0E, LP	Profile 45×45, 1E, LP	Profile 45×45, 2E, corner, LP
bar, 6 m	1.11.045045.21LP.60	1.11.045045.03LP.60	1.11.045045.13LP.60	1.11.045045.22LP.60
packing unit (number)	1.11.045045.21LP.61 (8)	1.11.045045.03LP.61 (8)	1.11.045045.13LP.61 (8)	1.11.045045.22LP.61 (8)
moment of inertia cm⁴ moment of resistance cm³ weight kg/m	I_x = 11.4 I_y = 11.4 W_x = 5.1 W_y = 5.1 G = 1.6	I_x = 15.5 I_y = 15.5 W_x = 6.9 W_y = 6.9 G = 2.2	I_x = 14.7 I_y = 15.5 W_x = 6.5 W_y = 6.8 G = 2.1	I_x = 14.7 I_y = 14.7 W_x = 6.6 W_y = 6.6 G = 2.0

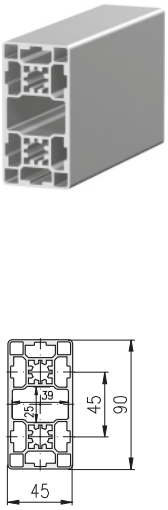
heavy

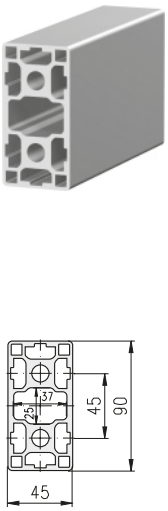




Description				
bar, 6 m				
packing unit (number)				
moment of inertia cm⁴ moment of resistance cm³ weight kg/m				

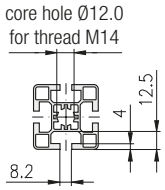
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

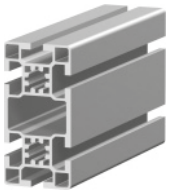
				
Profile 45×45, 2E, LP	Profile 45×45, 3E, LP	Profile 45×45, 4E, LP	Profile 45×60, 4E, LP	Profile 45×90, 0E, LP
1.11.045045.23LP.60	1.11.045045.33LP.60	1.11.045045.43LP.60	1.11.045060.44LP.60	1.11.045090.04LP.60
1.11.045045.23LP.61 (8)	1.11.045045.33LP.61 (8)	1.11.045045.43LP.61 (8)	1.11.045060.44LP.61 (6)	1.11.045090.04LP.61 (4)
I_x = 14.0 I_y = 15.5 W_x = 6.2 W_y = 6.9 G = 2.0	I_x = 14.0 I_y = 14.7 W_x = 6.2 W_y = 6.5 G = 2.1	I_x = 13.5 I_y = 13.5 W_x = 6.0 W_y = 6.0 G = 1.9	I_x = 26.5 I_y = 16.0 W_x = 9.0 W_y = 7.2 G = 2.3	I_x = 107.5 I_y = 30.4 W_x = 23.9 W_y = 13.5 G = 3.6

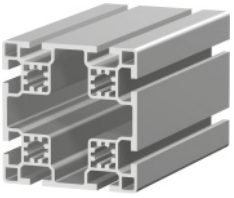
				
		Profile 45×45, 4E, SP	Profile 45×60, 4E, SP	Profile 45×90, 0E, SP
		1.11.045045.43SP.60	1.11.045060.44SP.60	1.11.045090.04SP.60
		1.11.045045.43SP.61 (8)	1.11.045060.44SP.61 (6)	1.11.045090.04SP.61 (4)
		I_x = 15.5 I_y = 15.5 W_x = 6.9 W_y = 6.9 G = 2.1	I_x = 38.0 I_y = 23.5 W_x = 13.0 W_y = 10.4 G = 3.0	I_x = 134.3 I_y = 36.3 W_x = 29.8 W_y = 16.2 G = 4.7

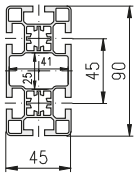
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

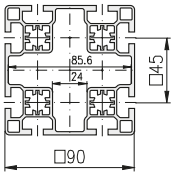
light





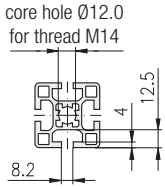


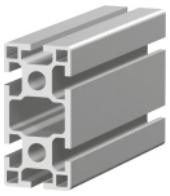


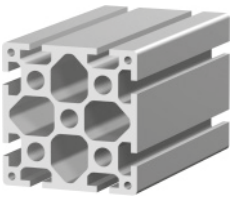


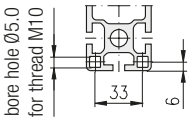
Description	Profile 45×90, 6E, LP	Profile 90×90, 8E, LP		
bar, 6 m	1.11.045090.64LP.60	1.11.090090.83LP.60		
packing unit (number)	1.11.045090.64LP.61 (4)	1.11.090090.83LP.61 (2)		
moment of inertia cm4	I_x = 98.0 I_y = 27.5	I_x = 190.5 I_y = 190.5		
moment of resistance cm3	W_x = 21.8 W_y = 12.2	W_x = 42.3 W_y = 42.3		
weight kg/m	G = 3.3	G = 5.6		

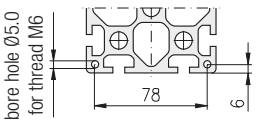
heavy

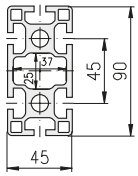


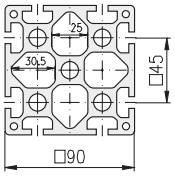








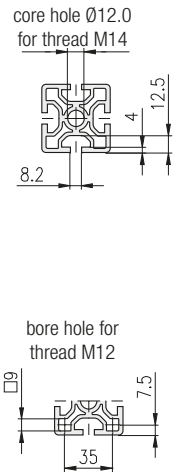
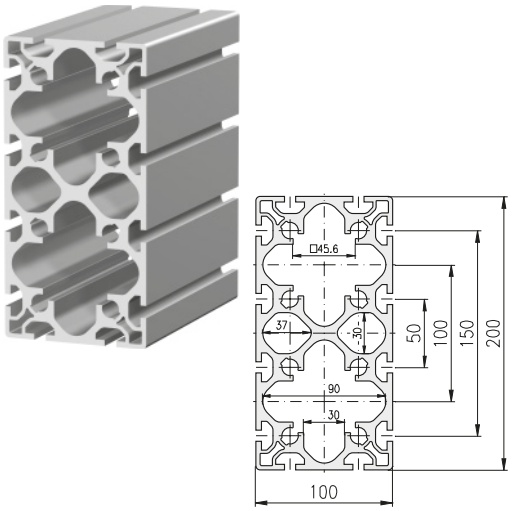




Description	Profile 45×90, 6E, SP	Profile 90×90, 8E, SP		
bar, 6 m	1.11.045090.64SP.60	1.11.090090.83SP.60		
packing unit (number)	1.11.045090.64SP.61 (4)	1.11.090090.83SP.61 (2)		
moment of inertia cm4	I_x = 126.0 I_y = 34.0	I_x = 282.0 I_y = 282.0		
moment of resistance cm3	W_x = 28.0 W_y = 15.0	W_x = 63.0 W_y = 63.0		
weight kg/m	G = 4.4	G = 9.5		

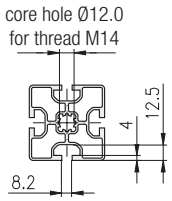
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

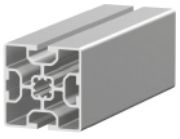
light				

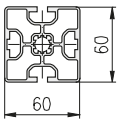
heavy			
			
Description	Profile 100×200, 12E, SP		
bar, 6 m	1.11.100200.124SP.60		
packing unit (number)	1.11.100200.124SP.61 (2)		
moment of inertia cm4 moment of resistance cm3 weight kg/m	I_x =2,450 I_y = 760 W_x = 250 W_y = 152 G = 17.2		

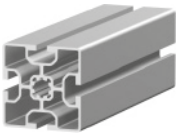
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

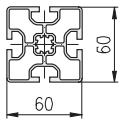
light





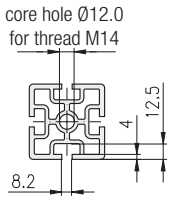


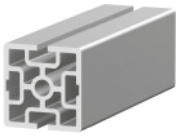


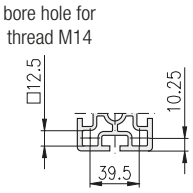


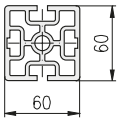
Description	Profile 60×60, 2E, LP	Profile 60×60, 4E, LP		
bar, 6 m	1.11.060060.23LP.60	1.11.060060.43LP.60		
packing unit (number)	1.11.060060.23LP.61 (6)	1.11.060060.43LP.61 (6)		
moment of inertia cm4 moment of resistance cm3 weight kg/m	I_x = 35.1 I_y = 37.7 W_x = 11.7 W_y = 12.5 G = 2.9	I_x = 35.5 I_y = 35.5 W_x = 11.7 W_y = 11.7 G = 2.7		

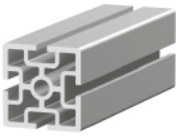
heavy

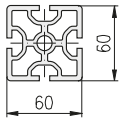








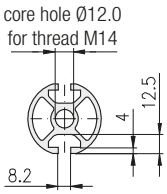


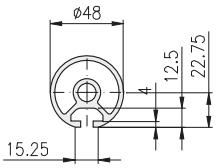


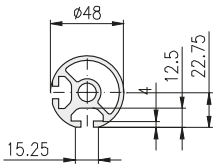
Description	Profile 60×60, 2E, SP	Profile 60×60, 4E, SP		
bar, 6 m	1.11.060060.23SP.60	1.11.060060.43SP.60		
packing unit (number)	1.11.060060.23SP.61 (6)	1.11.060060.43SP.61 (6)		
moment of inertia cm4 moment of resistance cm3 weight kg/m	I_x = 55.9 I_y = 58.5 W_x = 18.6 W_y = 19.5 G = 4.3	I_x = 56.0 I_y = 56.0 W_x = 18.7 W_y = 18.7 G = 4.2		

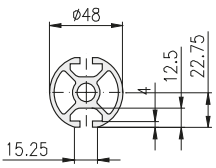
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

heavy





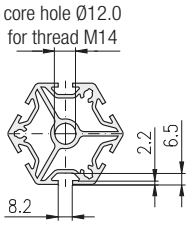


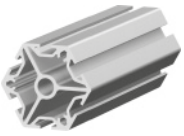


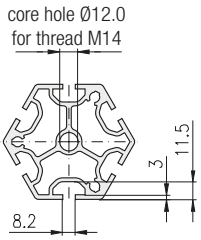
Description	Profile 48, round, 1E, SP	Profile 48, round, 2E, corner, SP	Profile 48, round, 2E, SP	
bar, 6 m	1.11.048R00.10SP.60	1.11.048R00.22SP.60	1.11.048R00.20SP.60	
packing unit (number)	1.11.048R00.10SP.61 (6)	1.11.048R00.22SP.61 (6)	1.11.048R00.20SP.61 (6)	
moment of inertia cm4	I_x = 12.5 I_y = 12.9	I_x = 12.0 I_y = 12.0	I_x = 12.5 I_y = 13.5	
moment of resistance cm3	W_x = 4.9 W_y = 5.4	W_x = 5.0 W_y = 5.0	W_x = 5.1 W_y = 5.9	
weight kg/m	G = 1.8	G = 2.0	G = 2.0	

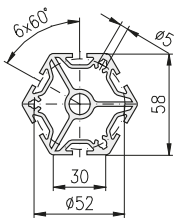
Profiles hexagonal/octagonal, P (plain)

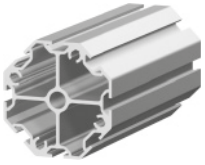
heavy

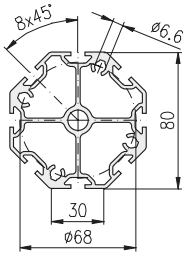


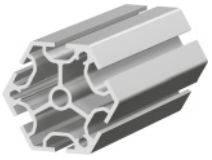


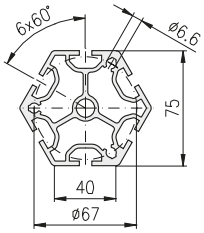


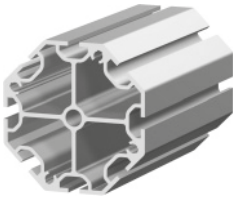


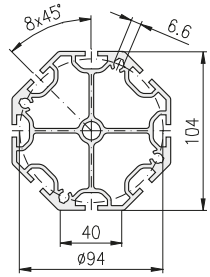








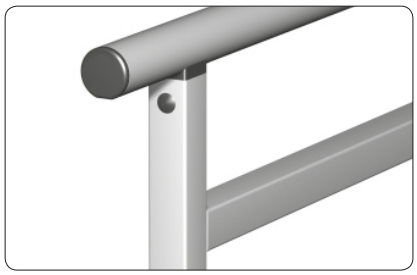




Description	Profile 30, hexagonal, 6F, SP	Profile 30, octagonal, 8F, SP	Profile 40, hexagonal, 6E, SP	Profile 40, octagonal, 8E, SP
bar, 6 m	1.11.0306kt.69SP.60	1.11.0308kt.89SP.60	1.11.0406kt.69SP.60	1.11.0408kt.89SP.60
packing unit (number)	1.11.0306kt.69SP.61 (2)	1.11.0308kt.89SP.61 (2)	1.11.0406kt.69SP.61 (2)	1.11.0408kt.89SP.61 (2)
moment of inertia cm4	I_x = 32.0 I_y = 32.0	I_x = 84.0 I_y = 84.0	I_x = 83.0 I_y = 83.0	I_x = 233.0 I_y = 233.0
moment of resistance cm3	W_x = 9.8 W_y = 9.8	W_x = 21.0 W_y = 21.0	W_x = 21.0 W_y = 21.0	W_x = 44.0 W_y = 44.0
weight kg/m	G = 2.8	G = 3.9	G = 4.4	G = 6.5

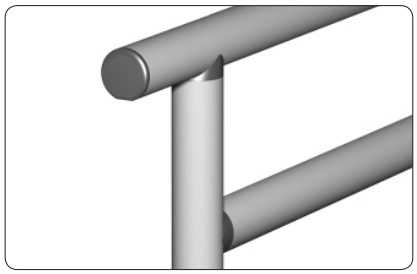
machining data ☞ *Profile machining 1.1A (Catalogue 'The Profile System')*

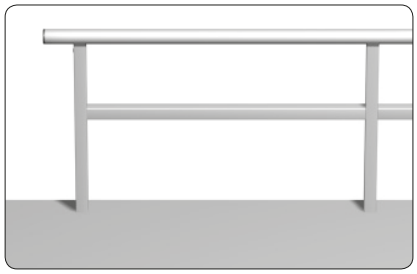
Hand rail



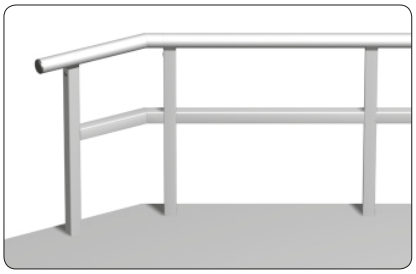
Application
Hand rail for balustrades on stairs and platforms

Comments
Angled joints: 0 deg. to 90 deg.
Incline: 0 deg. to 45 deg.

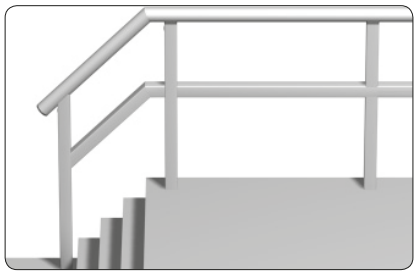




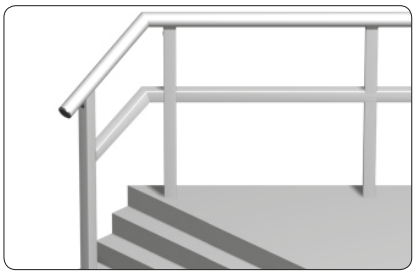
Hand rail straight



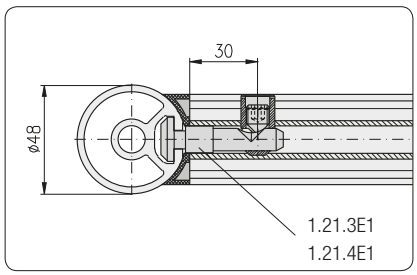
Hand rail angled



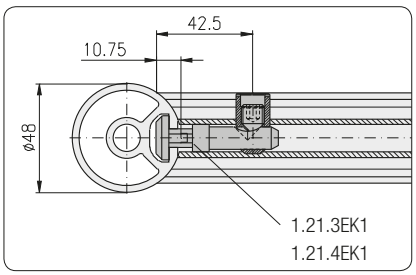
Hand rail tilted



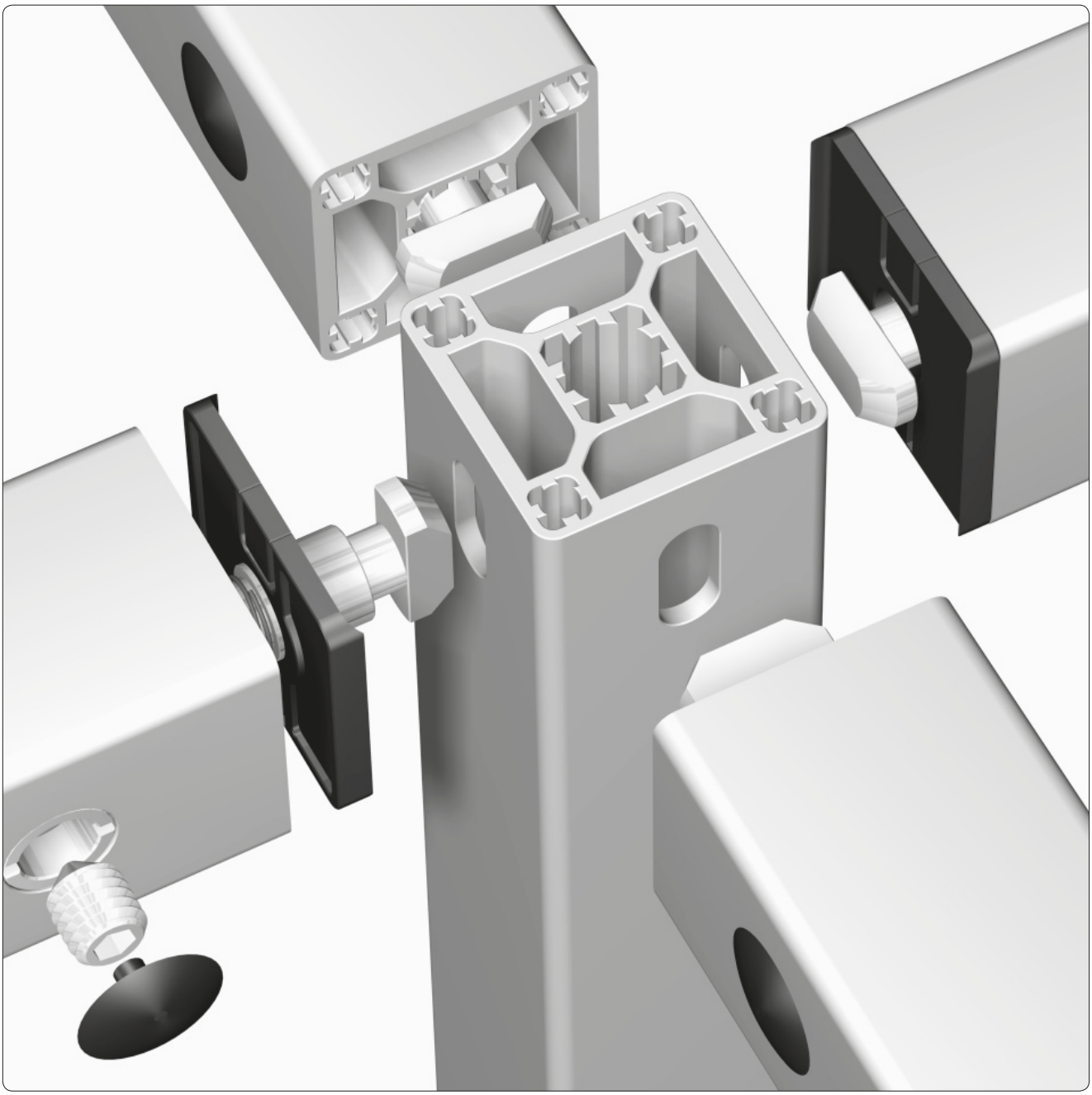
Hand rail tilted and angled



Working dimensions for hand rail straight with radius compensation



Working dimensions for hand rail straight, tilted and/or angled without radius compensation (milled)



extremely strong

efficient

functional

The proven connection system!

The MayTec quick-connection system allows combination of all MayTec profiles in any way imaginable.

It carries same stability through out all four sides.

The connection allows:

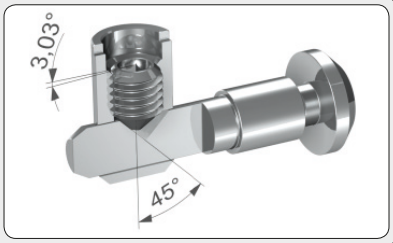
- easy machining
- quick assembly
- innumerable (dis)assemblies

The connection system is:

- complete
- stable
- functional

Vibration proof

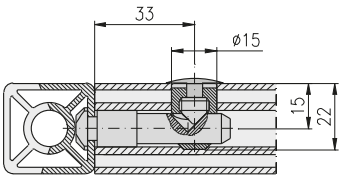
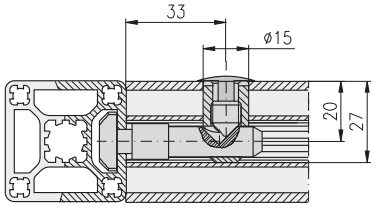
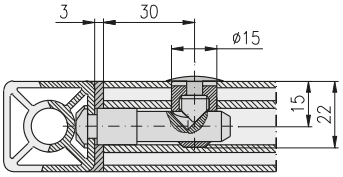
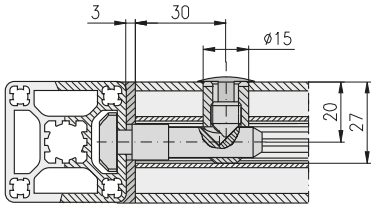
The different direction angles of lead of thread and clamping cone prevent the loosening of the connection by vibration.



Connector - drill dimensions

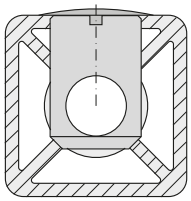
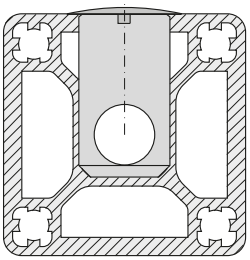
without radius covers

with radius covers
☞ *1.43*

PG 30	PG 40
	
Drill dimensions without radius covers	Drill dimensions without radius covers
	
Drill dimensions with radius covers	Drill dimensions with radius covers

Cover plug

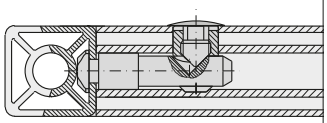
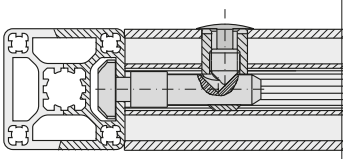
for connector cross bushings
☞ *1.42*

PG 30	PG 40
	

Comments

Connector ☞ *1.2A*

Connection
with standard connectors

PG 30	PG 40
	

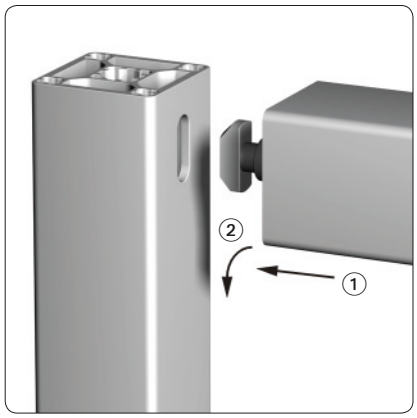
Single parts

Connector, standard	1.21.3F1 (V)
Connector, standard 90°	1.21.3F2 (V)

Single parts

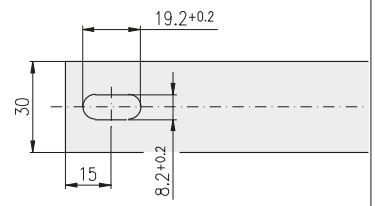
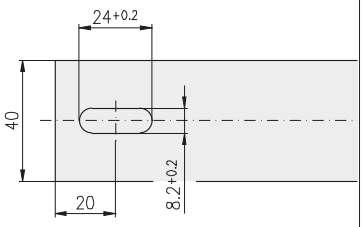
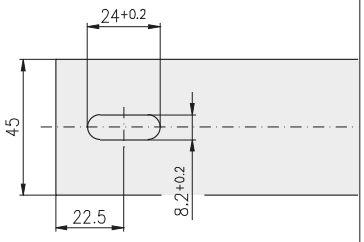
Connector, standard	1.21.4E1 (V)
Connector, standard 90°	1.21.4E2 (V)

Mounting variation
for profiles with 1 connector



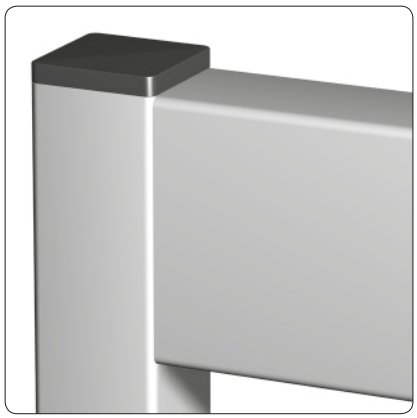
Assembly
① insert connector
② turn profile

Fabrication measurements

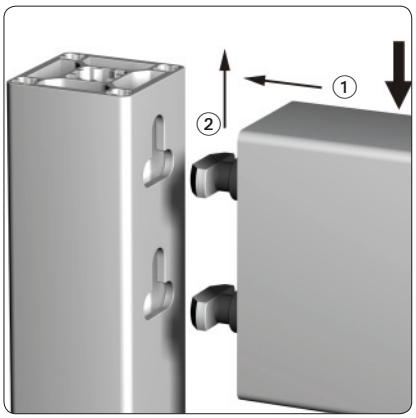
PG 30	PG 40	PG 45
		
For fastening of profile 30×30	For fastening of profile 40×40	For fastening of profile 45×45

Mounting variation
for profiles with 1 or more connectors, if the profile cannot be rotated

for high flexure load

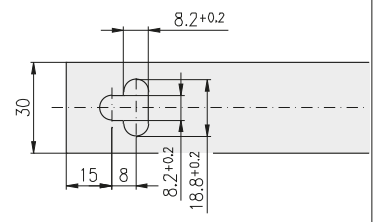
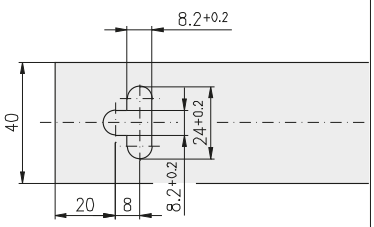
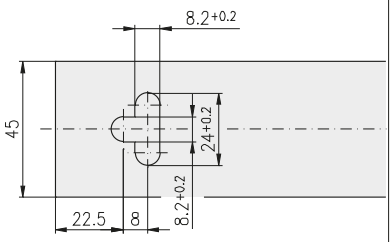
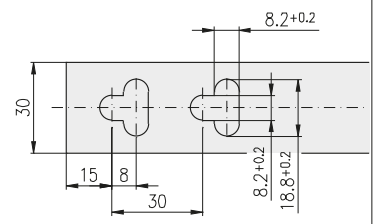
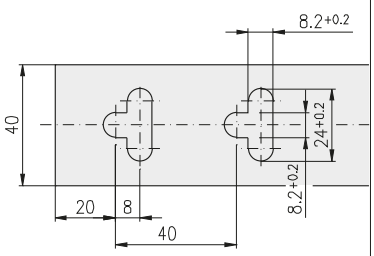
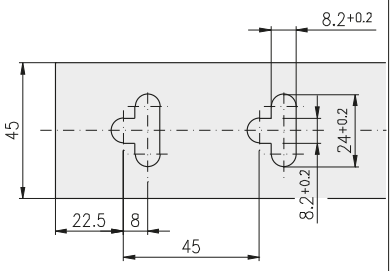
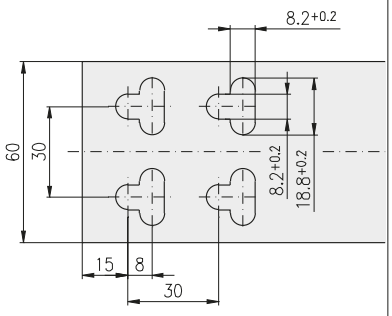
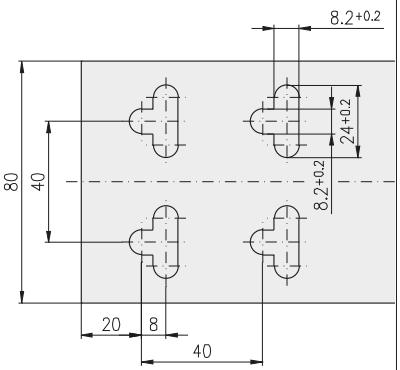
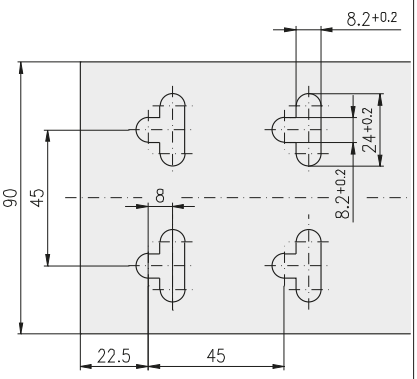


Comments
Position of assembly: profiles flush on the top



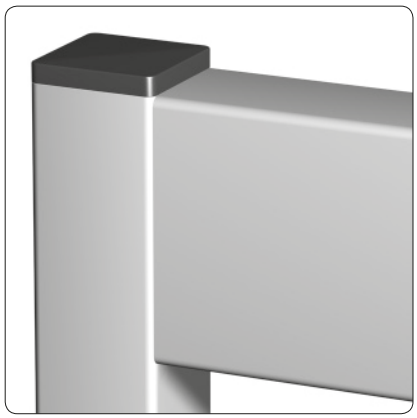
Assembly
① insert connector
② push profile to the top

Fabrication measurements

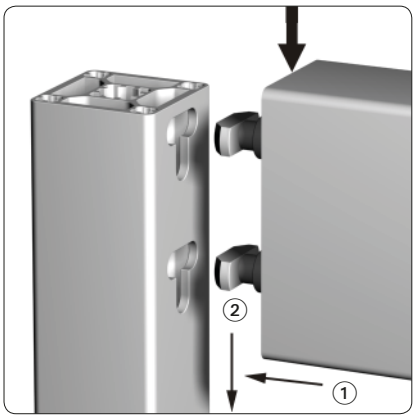
PG 30	PG 40	PG 45
 For fastening of profile 30×30	 For fastening of profile 40×40	 For fastening of profile 45×45
 For fastening of profile 30×60	 For fastening of profile 40×80	 For fastening of profile 45×90
 For fastening of profile 60×60	 For fastening of profile 80×80	 For fastening of profile 90×90

Mounting varation
for profiles with 1 or more connectors, if the profile cannot be rotated

for high sliding load

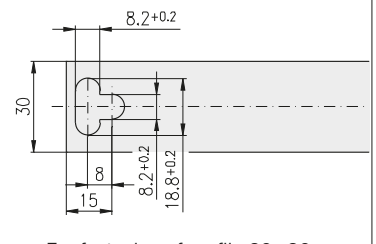
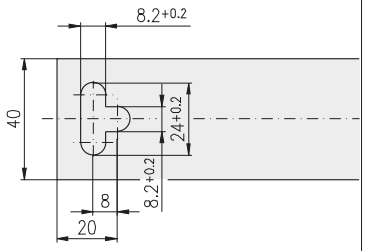
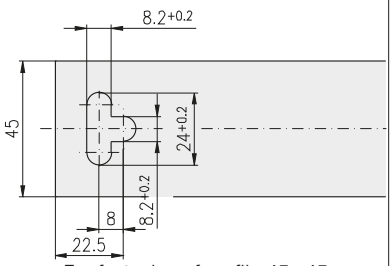
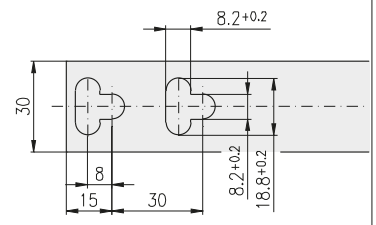
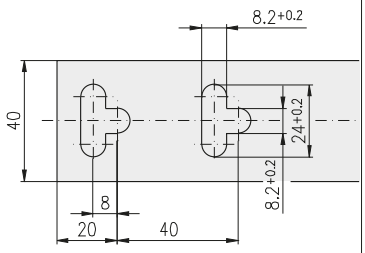
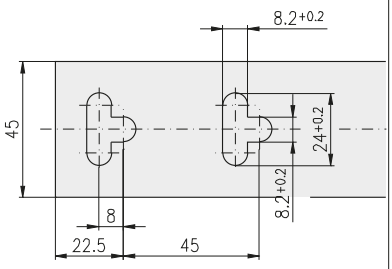
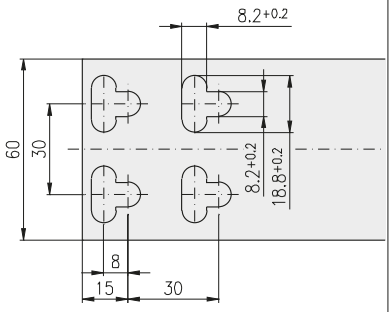
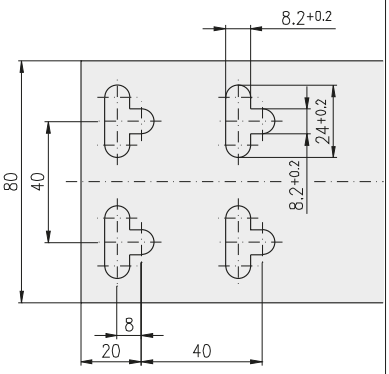
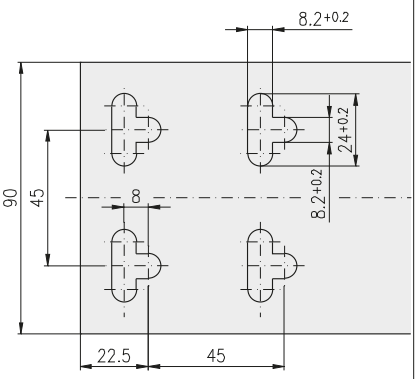


Comments
Position of assembly: profiles flush on the top

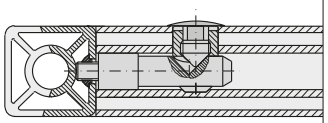
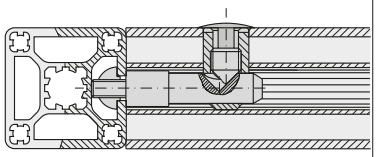


Assembly
① insert connector
② push profile to the bottom

Fabrication measurements

PG 30	PG 40	PG 45
 For fastening of profile 30×30	 For fastening of profile 40×40	 For fastening of profile 45×45
 For fastening of profile 30×60	 For fastening of profile 40×80	 For fastening of profile 45×90
 For fastening of profile 60×60	 For fastening of profile 80×80	 For fastening of profile 90×90

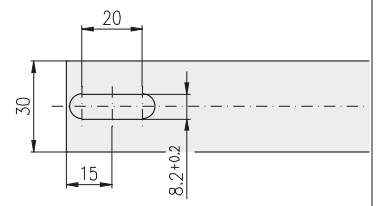
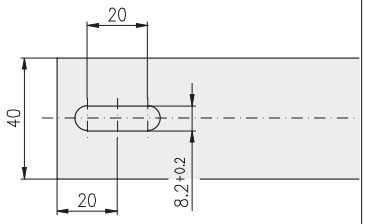
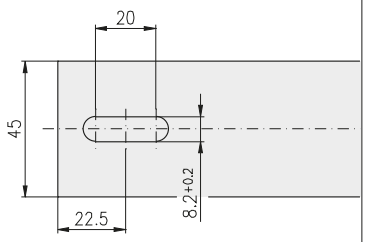
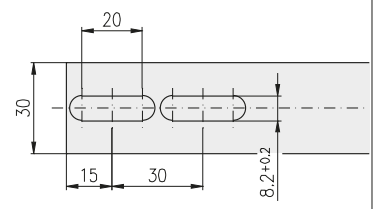
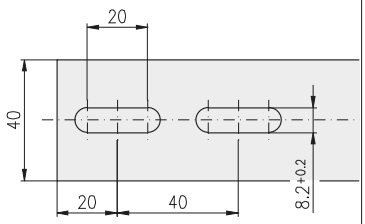
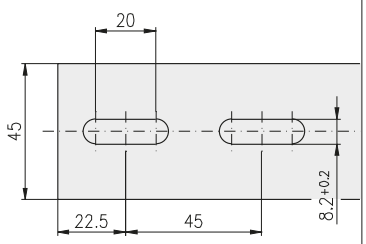
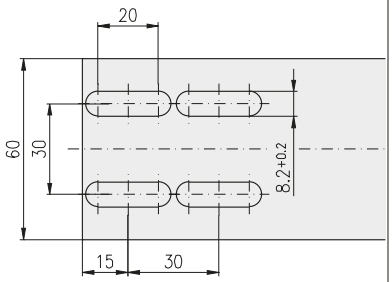
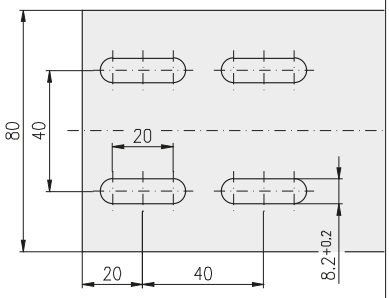
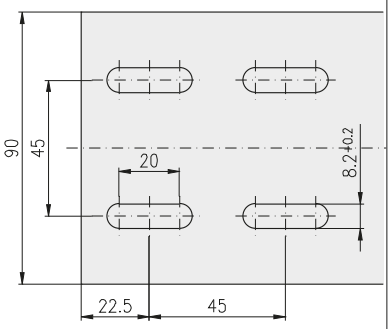
Connection
with screw-type connector

PG 30	PG 40
	

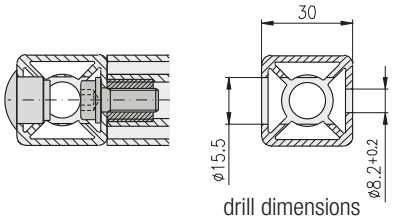
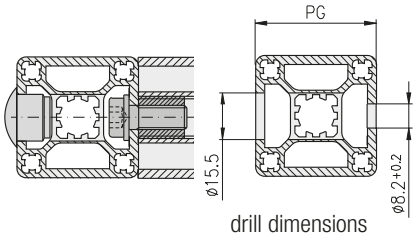
Single parts
- Screw-type connector 1.21.30S1M8/7 (V)
- T-Nut for subsequent insertion, with spring, F 1.32.4FM8 (V)

Single parts
- Screw-type connector 1.21.4S1M8/11 (V)
- T-Nut for subsequent insertion, with spring, E 1.32.4EM8 (V)

Fabrication measurements

PG 30	PG 40	PG 45
 For fastening of profile 30×30	 For fastening of profile 40×40	 For fastening of profile 45×45
 For fastening of profile 30×60	 For fastening of profile 40×80	 For fastening of profile 45×90
 For fastening of profile 60×60	 For fastening of profile 80×80	 For fastening of profile 90×90

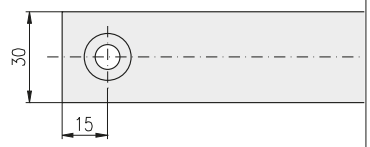
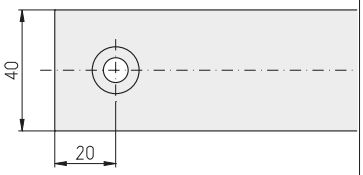
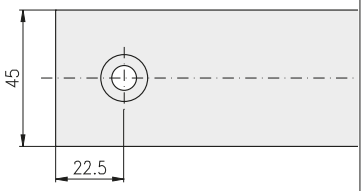
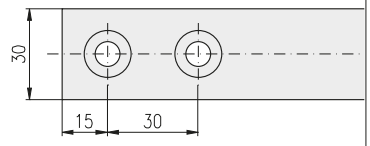
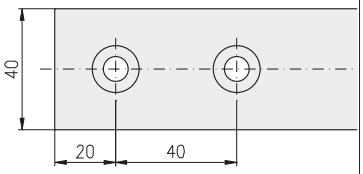
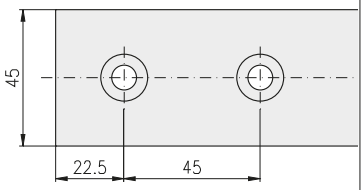
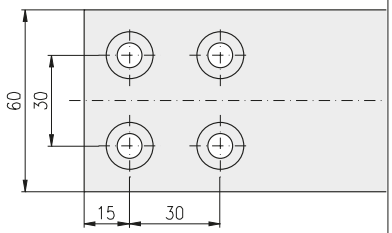
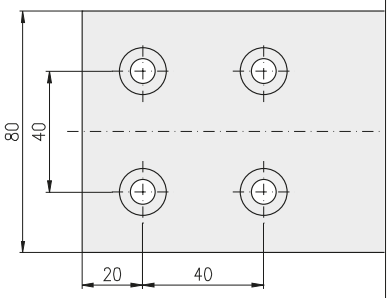
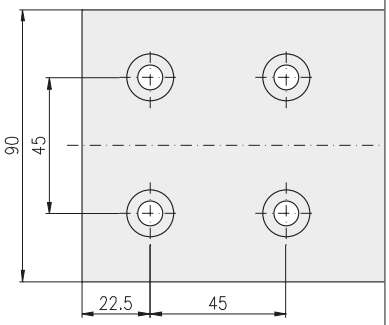
Connection
with DIN-Screw

PG 30	PG 40 / 45
 drill dimensions	 drill dimensions

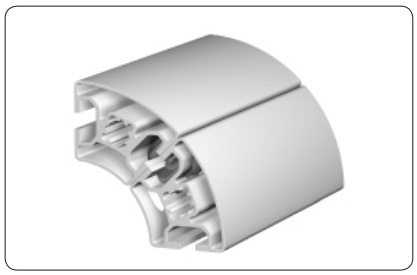
Single parts

• Threaded insert M14/M8	1.35.1140815
• Cap head screw DIN 6912, M8×20	0.63.D06912.08020
• Washer, DIN 433 - 8.4	0.62.D00433.08,4
• Cover plug Ø15	1.42.6114.x

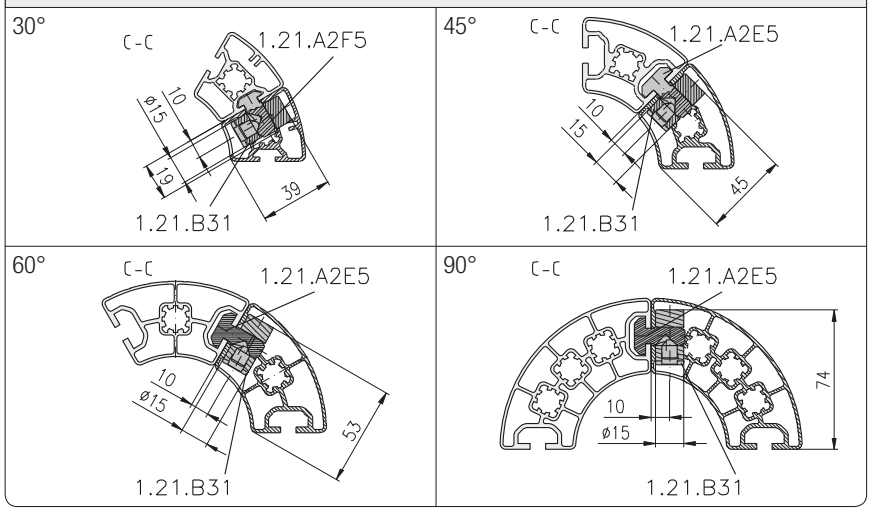
Fabrication measurements

PG 30	PG 40	PG 45
 For fastening of profile 30×30	 For fastening of profile 40×40	 For fastening of profile 45×45
 For fastening of profile 30×60	 For fastening of profile 40×80	 For fastening of profile 45×90
 For fastening of profile 60×60	 For fastening of profile 80×80	 For fastening of profile 90×90

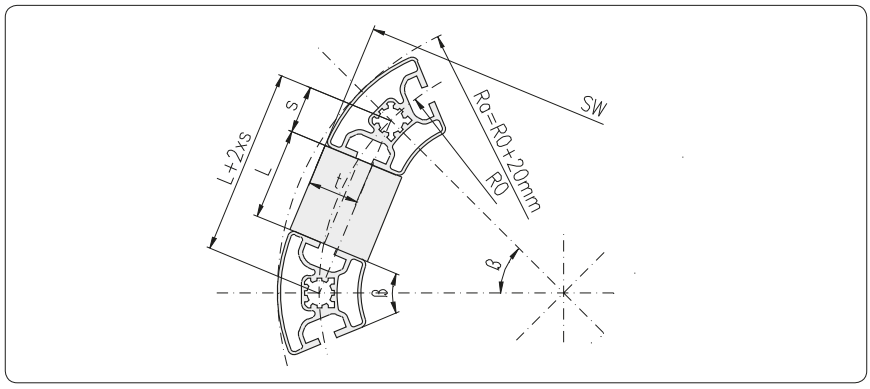
Connection of profiles 40, round



Drill dimensions for profiles 40, round

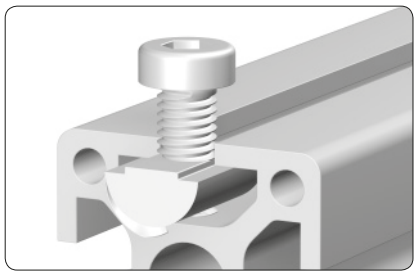


Calculation formulas for polygons

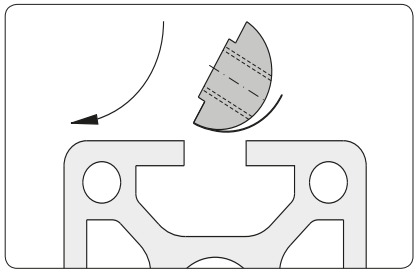


known	searched	Profile 40, round 30° (β = 30°)	Profile 40, round 45° (β = 45°)	Profile 40, round 60° (β = 60°)
		t = 22.04 s = 15.53	t = 24.57 s = 22.96	t = 28.04 s = 30.00
R_0	L =	$R_0 \times 0.51764 - 31.06$	$R_0 \times 0.76537 - 45.92$	$R_0 - 60$
R_a	L =	$(R_a - 20) \times 0.51764 - 31.06$	$(R_a - 20) \times 0.76537 - 45.92$	$R_a - 80$
SW	L =	$\frac{SW - 44.08}{\sqrt{3.73205}} \times 0.51764 - 31.06$	$\frac{SW - 49.14}{\sqrt{3.4142}} \times 0.76537 - 45.92$	$\frac{SW - 56.08}{\sqrt{3}} - 60$
SW	R_0 =	$\frac{SW - 44.08}{\sqrt{3.73205}}$	$\frac{SW - 49.14}{\sqrt{3.4142}}$	$\frac{SW - 56.08}{\sqrt{3}}$
SW	R_a =	$\frac{SW - 44.08}{\sqrt{3.73205}} + 20$	$\frac{SW - 49.14}{\sqrt{3.4142}} + 20$	$\frac{SW - 56.08}{\sqrt{3}} + 20$
R_0	SW =	$\sqrt{(R_0 \times 2)^2 - (R_0 \times 0.51764)^2} + 44.08$	$\sqrt{(R_0 \times 2)^2 - (R_0 \times 0.76537)^2} + 49.14$	$\sqrt{(R_0 \times 2)^2 - R_0^2} + 56.08$
R_a	SW =	$\sqrt{((R_a - 20) \times 2)^2 - ((R_a - 20) \times 0.51764)^2} + 44.08$	$\sqrt{((R_a - 20) \times 2)^2 - ((R_a - 20) \times 0.76537)^2} + 49.14$	$\sqrt{((R_a - 20) \times 2)^2 - R_a^2} + 56.08$

T-Nuts
for subsequent insertion, with spring stainless steel



Fixing with leaf spring

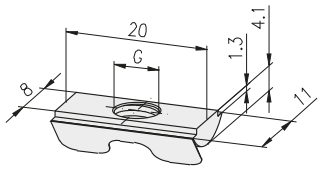


Insert front-sided and rotate

Application
Fastening element for screw-type connections

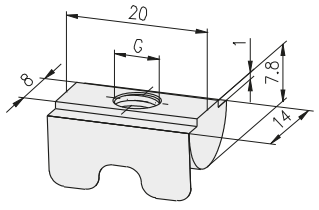
Technical data
- material: stainless steel 1.4305
- surface: pickled and passivated

max. moment of torque: $M_{A, max}$



H F E

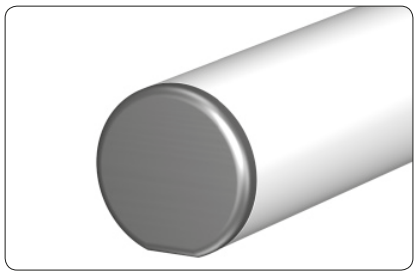
Description	G	Design	$M_{A, max}$	Weight	Article-No.
T-Nut for subs. ins., w. spring F	M6	stainless	10.0 Nm	4.3 g	1.32.4FM6V
T-Nut for subs. ins., w. spring F	M8	stainless	10.0 Nm	3.7 g	1.32.4FM8V



H F E

Description	G	Design	$M_{A, max}$	Weight	Article-No.
T-Nut for subs. ins., w. spring E	M4	stainless	3.0 Nm	10.0 g	1.32.4EM4V
T-Nut for subs. ins., w. spring E	M5	stainless	5.0 Nm	10.0 g	1.32.4EM5V
T-Nut for subs. ins., w. spring E	M6	stainless	10.0 Nm	10.0 g	1.32.4EM6V
T-Nut for subs. ins., w. spring E	M8	stainless	26.0 Nm	9.0 g	1.32.4EM8V

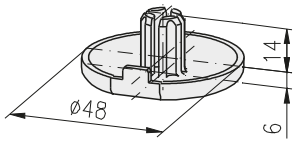
Cover caps



Application
Cover caps prevent dirt from entering and avoid lacerations.

Comments
Before mounting debur core hole

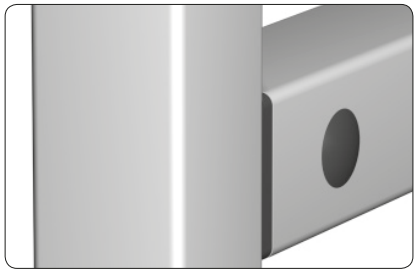
Cover cap Ø48
for hand rail profile



Technical data
material: PA-GF

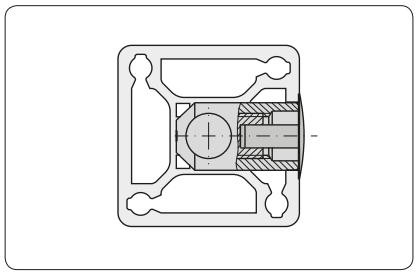
Description	Colour	Weight	Article-No.
Cover cap Ø48 for hand rail profile	grey	1.8 g	1.42.2048R00.1
Cover cap Ø48 for hand rail profile	black	1.8 g	1.42.2048R00.2

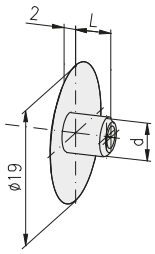
Cover plugs domed



Application
The cover plug allows the closing of the connector cross bushing bore.

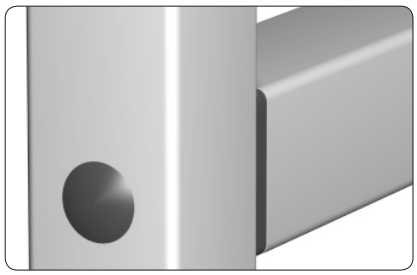
Technical data
material: PE



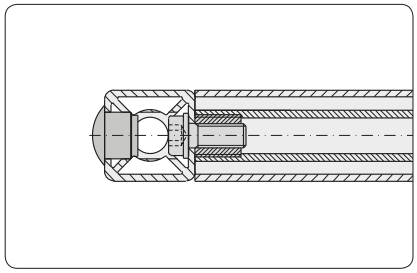


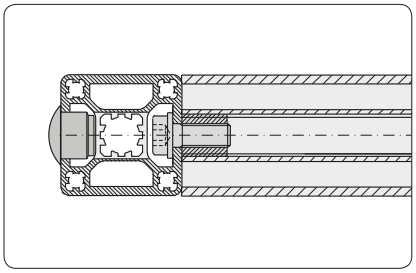
Description	Colour	L	d	Weight	Article-No.
Cover plug 20 domed	grey	3.5	Ø4.3	0.2 g	1.42.5120.1
Cover plug 20 domed	black	3.5	Ø4.3	0.2 g	1.42.5120.2
Cover plug 30 domed	grey	6.0	Ø5.3	0.3 g	1.42.5130.1
Cover plug 30 domed	black	6.0	Ø5.3	0.3 g	1.42.5130.2
Cover plug 40 domed	grey	11.0	Ø5.3	0.4 g	1.42.5140.1
Cover plug 40 domed	black	11.0	Ø5.3	0.4 g	1.42.5140.2
Cover plug 45 domed	grey	12.5	Ø5.3	0.4 g	1.42.5145.1
Cover plug 45 domed	black	12.5	Ø5.3	0.4 g	1.42.5145.2
Cover plug 50 domed	grey	15.0	Ø5.3	0.5 g	1.42.5150.1
Cover plug 50 domed	black	15.0	Ø5.3	0.5 g	1.42.5150.2
Cover plug 60 domed	grey	20.0	Ø5.3	0.7 g	1.42.5160.1
Cover plug 60 domed	black	20.0	Ø5.3	0.7 g	1.42.5160.2

Cover caps
for screw bores

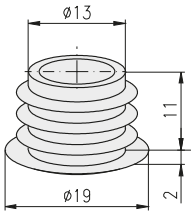


Application
The cover plug allows the closing of the screw bore


Profile 30

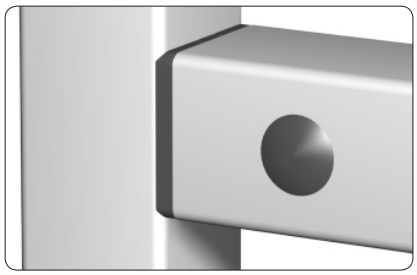

Profile 40

Technical data
material: PE



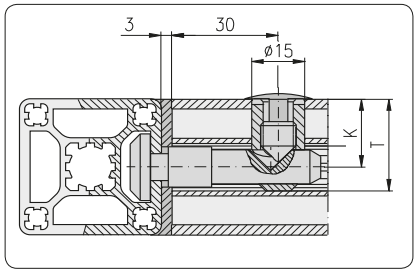
Description		Colour	Weight	Article-No.
Cover plug	Ø15	grey	1.3 g	1.42.6114.1
Cover plug	Ø15	black	1.3 g	1.42.6114.2

Radius covers

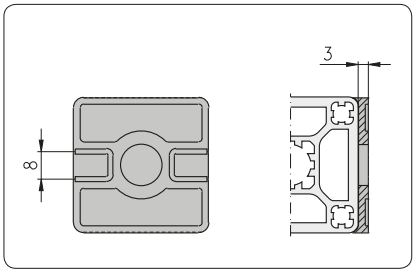


Application
For covering the exterior profile radius

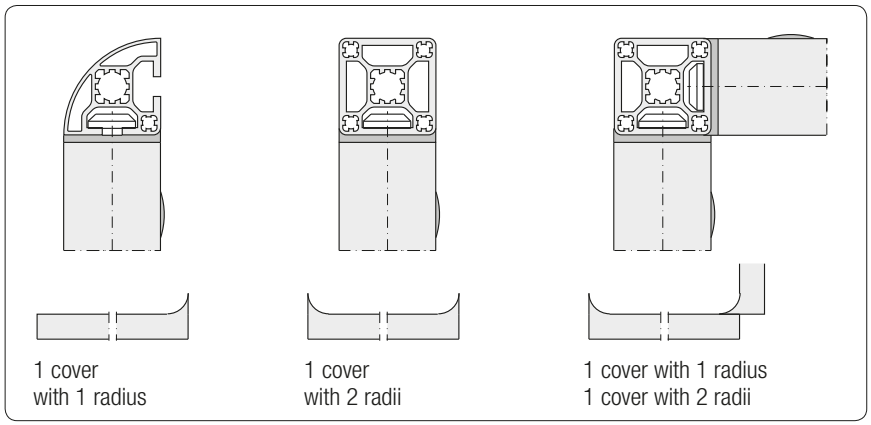
Technical data
material: PA-GF



Drill dimensions by use of radius covers (dimensions K, T ☞ *connector-cross bushings 1.2B*)

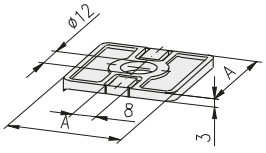


For mounting of panels the slots can be broken out



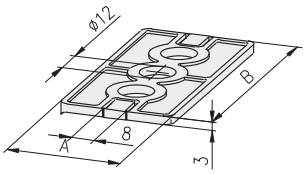
Mounting-Variations

Square
with one radius



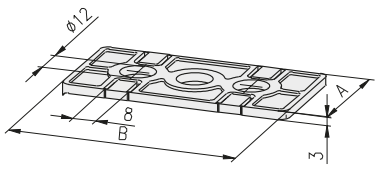
Description	A	Colour	Weight	Article-No.
Radius cover 1R	30	grey	3.1 g	1.43.10030030.1
Radius cover 1R	30	black	3.1 g	1.43.10030030.2
Radius cover 1R	40	grey	6.1 g	1.43.10040040.1
Radius cover 1R	40	black	6.1 g	1.43.10040040.2
Radius cover 1R	45	grey	5.4 g	1.43.10045045.1
Radius cover 1R	45	black	5.4 g	1.43.10045045.2

Rectangle
with one radius



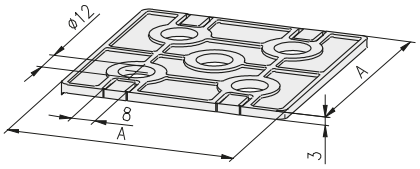
Description	A	B	Colour	Weight	Article-No.
Radius cover 1R	30	60	grey	5.8 g	1.43.10030060.1
Radius cover 1R	30	60	black	5.8 g	1.43.10030060.2
Radius cover 1R	40	80	grey	11.8 g	1.43.10040080.1
Radius cover 1R	40	80	black	11.8 g	1.43.10040080.2
Radius cover 1R	45	90	grey	10.7 g	1.43.10045090.1
Radius cover 1R	45	90	black	10.7 g	1.43.10045090.2

Rectangle 90°
with one radius



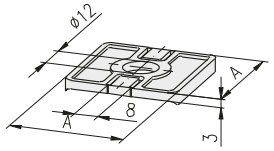
Description	A	B	Colour	Weight	Article-No.
Radius cover 1R	30	60	grey	5.8 g	1.43.11030060.1
Radius cover 1R	30	60	black	5.8 g	1.43.11030060.2
Radius cover 1R	40	80	grey	11.8 g	1.43.11040080.1
Radius cover 1R	40	80	black	11.8 g	1.43.11040080.2
Radius cover 1R	45	90	grey	10.8 g	1.43.11045090.1
Radius cover 1R	45	90	black	10.8 g	1.43.11045090.2

Square
with one radius



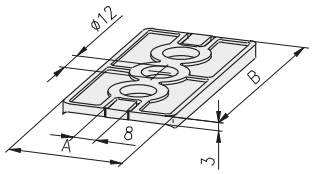
Description	A	Colour	Weight	Article-No.
Radius cover 1R	60	grey	12.0 g	1.43.10060060.1
Radius cover 1R	60	black	12.0 g	1.43.10060060.2
Radius cover 1R	80	grey	24.0 g	1.43.10080080.1
Radius cover 1R	80	black	24.0 g	1.43.10080080.2

Square
with two radii



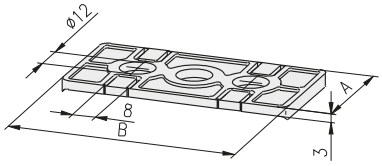
Description	A	Colour	Weight	Article-No.
Radius cover 2R	30	grey	3.2 g	1.43.20030030.1
Radius cover 2R	30	black	3.2 g	1.43.20030030.2
Radius cover 2R	40	grey	6.3 g	1.43.20040040.1
Radius cover 2R	40	black	6.3 g	1.43.20040040.2
Radius cover 2R	45	grey	5.6 g	1.43.20045045.1
Radius cover 2R	45	black	5.6 g	1.43.20045045.2

Rectangle
with two radii



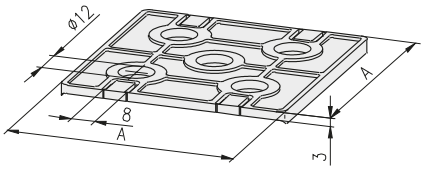
Description	A	B	Colour	Weight	Article-No.
Radius cover 2R	30	60	grey	6.0 g	1.43.20030060.1
Radius cover 2R	30	60	black	6.0 g	1.43.20030060.2
Radius cover 2R	40	80	grey	12.0 g	1.43.20040080.1
Radius cover 2R	40	80	black	12.0 g	1.43.20040080.2
Radius cover 2R	45	90	grey	10.9 g	1.43.20045090.1
Radius cover 2R	45	90	black	10.9 g	1.43.20045090.2

Rectangle 90°
with two radii



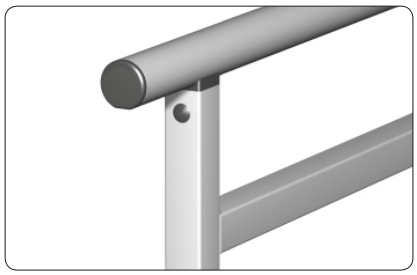
Description	A	B	Colour	Weight	Article-No.
Radius cover 2R	30	60	grey	6.0 g	1.43.21030060.1
Radius cover 2R	30	60	black	6.0 g	1.43.21030060.2
Radius cover 2R	40	80	grey	12.0 g	1.43.21040080.1
Radius cover 2R	40	80	black	12.0 g	1.43.21040080.2
Radius cover 2R	45	90	grey	11.0 g	1.43.21045090.1
Radius cover 2R	45	90	black	11.0 g	1.43.21045090.2

Square
with two radii



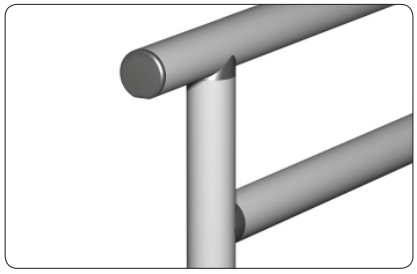
Description	A	Colour	Weight	Article-No.
Radius cover 2R	60	grey	12.0 g	1.43.20060060.1
Radius cover 2R	60	black	12.0 g	1.43.20060060.2
Radius cover 2R	80	grey	24.0 g	1.43.20080080.1
Radius cover 2R	80	black	24.0 g	1.43.20080080.2

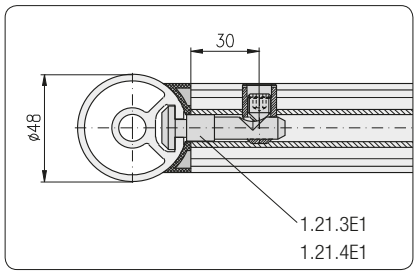
Radius compensations



Application
Radius compensation for hand rails
☞ *Profile applications 1.1E.03*

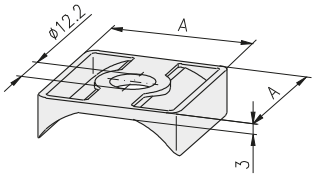
Comments
Angled joints at any required angle
Not suitably for the use with tilted hand rails





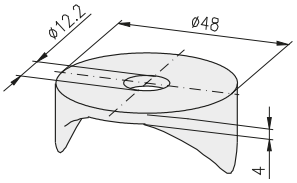
Working dimensions for hand rail straight with radius compensation

Technical data
material: PA-GF



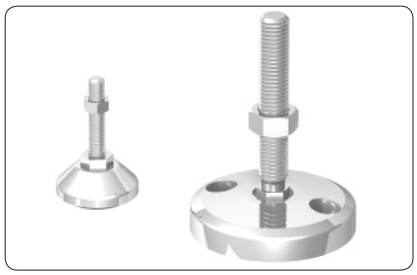
16 20 30 40 45 50 60

Description	A×A	Colour	Weight	Article-No.
Radius compensations	30×30	grey	4.0 g	1.43.71030030.1
Radius compensations	30×30	black	4.0 g	1.43.71030030.2
Radius compensations	40×40	grey	7.0 g	1.43.71040040.1
Radius compensations	40×40	black	7.0 g	1.43.71040040.2



Description	Colour	Weight	Article-No.
Radius compensations Ø48	grey	4.0 g	1.43.71048000.1
Radius compensations Ø48	black	4.0 g	1.43.71048000.2

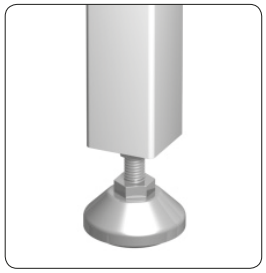
Adjustable tilt-feet



Application

Adjustable tilt-feet for gradual height adjustment of sub-assemblies such as:

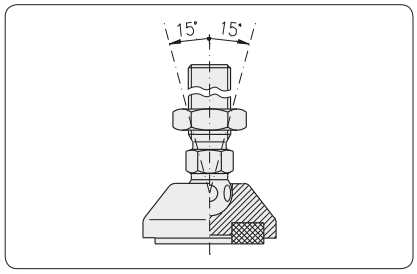
- tables
- bases
- shelves
- stands



Fastening in core hole thread M14

Fastening with base plate, for profiles without centric core hole

Fastening by press-fit threaded insert across the profile

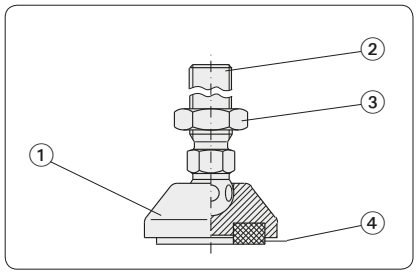


Levelling via ball and ball socket ±15°

Comments

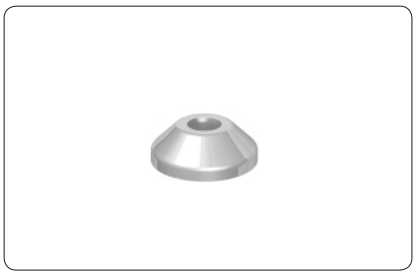
Infinitely variable adjustable tilt-feet for use either with:

- anti-slip disc
- cushion element

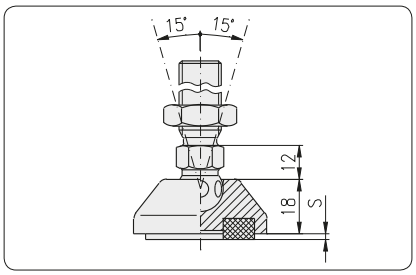


Adjustable tilt-feet - Single parts		
Pos.	Description	Material
①	Adjustable tilt-foot plate	stainl. Steel 1.4305
②	Adjustable tilt-foot spindle	stainl. Steel 1.4305
③	Adjustable tilt-foot nut	stainl. Steel 1.4305
④	Adjustable tilt-foot anti-slip disc Adjustable tilt-foot cushion element	NBR NBR

Adjustable tilt-foot plates
without mounting holes

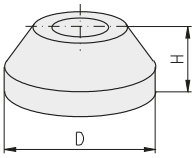


Technical data
material: stainless steel 1.4305
F = static load max. in kN



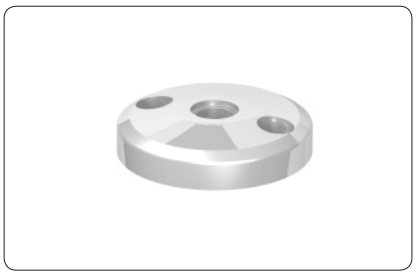
Design without mounting holes

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

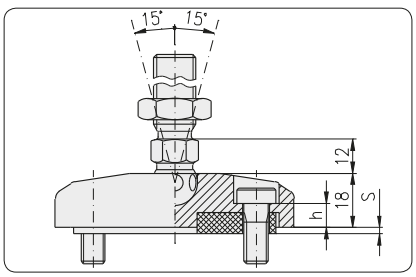


Description	D	H	F	Weight	Article-No.
Adjustable tilt-foot plate stainless, 30	Ø29	18	15 kN	60 g	1.44.431030V
Adjustable tilt-foot plate stainless, 40	Ø39	18	20 kN	97 g	1.44.431040V
Adjustable tilt-foot plate stainless, 45	Ø44	18	20 kN	112 g	1.44.431045V
Adjustable tilt-foot plate stainless, 50	Ø49	18	25 kN	120 g	1.44.431050V
Adjustable tilt-foot plate stainless, 60	Ø59	18	25 kN	216 g	1.44.431060V
Adjustable tilt-foot plate stainless, 80	Ø79	18	30 kN	345 g	1.44.431080V
Adjustable tilt-foot plate stainless, 100	Ø99	18	35 kN	640 g	1.44.431100V
Adjustable tilt-foot plate stainless, 120	Ø119	18	35 kN	817 g	1.44.431120V

Adjustable tilt-foot plates
with mounting holes



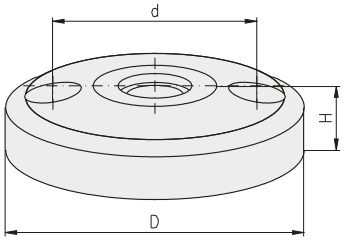
Technical data
material: stainless steel 1.4305
F = static load max. in kN



Design with mounting holes

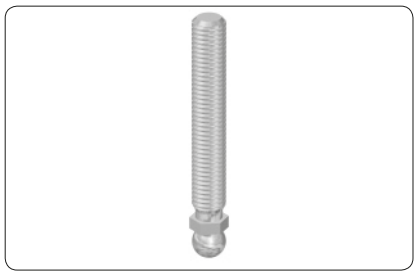
Comments
Fixing drilling with
counterbore DIN 74 - M8 for
cap-screw DIN 6912-M8

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

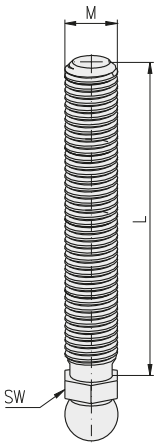


Description	D	H	d	F	Weight	Article-No.
Adjustable tilt-foot plate stainl., 80	Ø79	18	Ø54	30 kN	345 g	1.44.432080V
Adjustable tilt-foot plate stainl., 100	Ø99	18	Ø74	35 kN	640 g	1.44.432100V
Adjustable tilt-foot plate stainl., 120	Ø119	18	Ø94	35 kN	817 g	1.44.432120V

Adjustable tilt-foot spindles



Technical data
material:
Steel: steel, galvanised
Stainless steel: stainless steel 1.4305, pickled and passivated



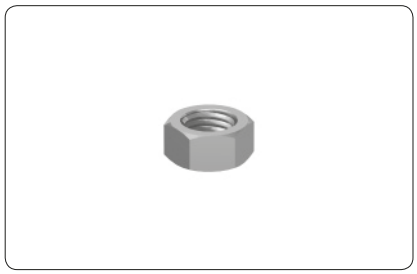
Steel

Description	G × L	SW	Weight	Article-No.
Adjustable tilt-foot spindle, steel	M8 × 40	14	17 g	1.44.4608040
Adjustable tilt-foot spindle, steel	M8 × 80	14	31 g	1.44.4608080
Adjustable tilt-foot spindle, steel	M10 × 45	14	37 g	1.44.4610045
Adjustable tilt-foot spindle, steel	M10 × 90	14	51 g	1.44.4610090
Adjustable tilt-foot spindle, steel	M12 × 66	14	56 g	1.44.4612066
Adjustable tilt-foot spindle, steel	M12 ×100	14	79 g	1.44.4612100
Adjustable tilt-foot spindle, steel	M14 × 66	14	87 g	1.44.4614066
Adjustable tilt-foot spindle, steel	M14 ×100	14	119 g	1.44.4614100
Adjustable tilt-foot spindle, steel	M14 ×150	14	166 g	1.44.4614150
Adjustable tilt-foot spindle, steel	M16 × 66	17	111 g	1.44.4616066
Adjustable tilt-foot spindle, steel	M16 ×100	17	155 g	1.44.4616100
Adjustable tilt-foot spindle, steel	M16 ×150	17	220 g	1.44.4616150
Adjustable tilt-foot spindle, steel	M20 ×100	21	237 g	1.44.4620100
Adjustable tilt-foot spindle, steel	M20 ×150	21	331 g	1.44.4620150

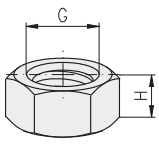
Stainless steel

Adjustable tilt-foot spindle, stainless	M14 × 66	14	87 g	1.44.4614066V
Adjustable tilt-foot spindle, stainless	M14 × 88	14	104 g	1.44.4614088V
Adjustable tilt-foot spindle, stainless	M14 ×100	14	119 g	1.44.4614100V
Adjustable tilt-foot spindle, stainless	M14 ×125	14	138 g	1.44.4614125V
Adjustable tilt-foot spindle, stainless	M14 ×150	14	166 g	1.44.4614150V

Adjustable tilt-foot nuts



Technical data
material:
Steel: steel, galvanised
Stainless steel: stainless steel 1.4305, pickled and passivated



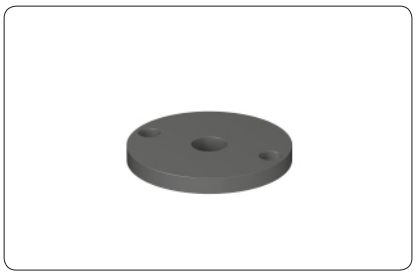
Steel

Description	G	H	Weight	Article-No.
Adjustable tilt-foot nut	M8	5	5 g	1.44.46M08
Adjustable tilt-foot nut	M10	6	8 g	1.44.46M10
Adjustable tilt-foot nut	M12	7	10 g	1.44.46M12
Adjustable tilt-foot nut	M14	8	16 g	1.44.46M14
Adjustable tilt-foot nut	M16	8	17 g	1.44.46M16
Adjustable tilt-foot nut	M20	9	35 g	1.44.46M20

Stainless steel

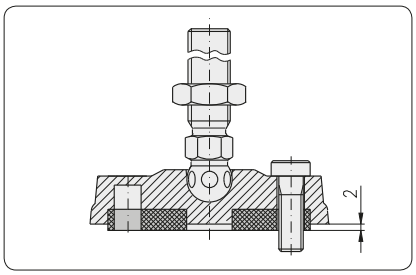
Adjustable tilt-foot nut, stainless	M14	8	16 g	1.44.46M14V

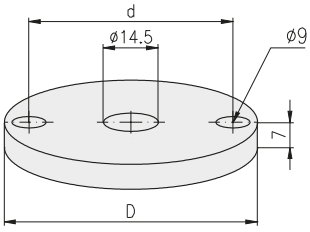
Adjustable tilt-foot anti-slip discs



Application
Element for protection against dislocation and floor damage

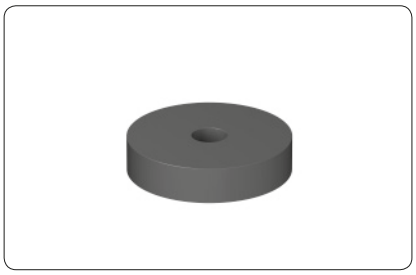
Technical data
material: NBR, oil and water resistant
colour: black
hardness: 80 Shore A
F = static load max. in KN





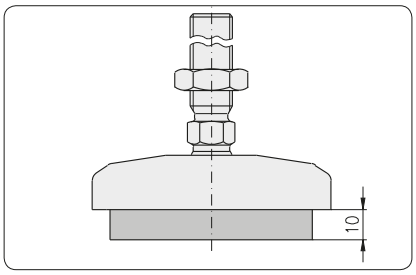
Description	D	d	F	Weight	Article-No.
Adj. tilt-foot anti-slip disc for plate 30	Ø20	-	5 kN	2.0 g	1.44.471030
Adj. tilt-foot anti-slip disc for plate 40	Ø30	-	6 kN	4.0 g	1.44.471040
Adj. tilt-foot anti-slip disc for plate 45	Ø35	-	7 kN	5.5 g	1.44.471045
Adj. tilt-foot anti-slip disc for plate 50	Ø39	-	8 kN	7.5 g	1.44.471050
Adj. tilt-foot anti-slip disc for plate 60	Ø49	-	9 kN	12.0 g	1.44.471060
Adj. tilt-foot anti-slip disc for plate 80	Ø67	Ø54	10 kN	22.0 g	1.44.471080
Adj. tilt-foot anti-slip disc for plate 100	Ø87	Ø74	10 kN	36.0 g	1.44.471100
Adj. tilt-foot anti-slip disc for plate 120	Ø107	Ø94	10 kN	57.0 g	1.44.471120

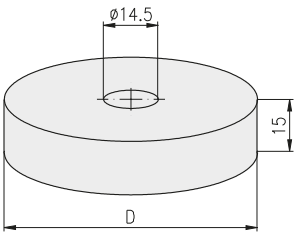
Adjustable tilt-foot cushion elements



Application
Cushion elements

Technical data
material: NBR, oil and water resistant
colour: black
hardness: 70 Shore A
F = static load max. in N





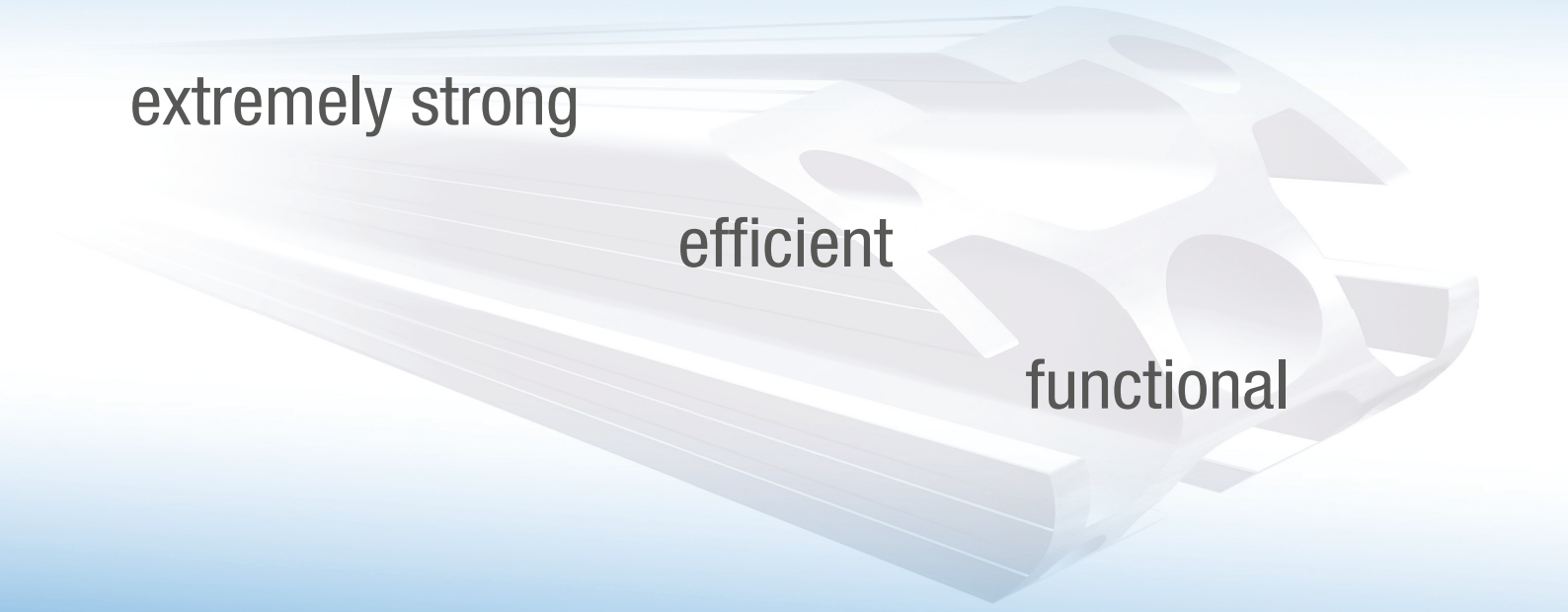
Description	D	F	Weight	Article-No.
Adj. tilt-foot cushion element for plate 30	Ø20	75 N	10 g	1.44.472030
Adj. tilt-foot cushion element for plate 40	Ø30	150 N	14 g	1.44.472040
Adj. tilt-foot cushion element for plate 45	Ø35	175 N	19 g	1.44.472045
Adj. tilt-foot cushion element for plate 50	Ø39	200 N	24 g	1.44.472050
Adj. tilt-foot cushion element for plate 60	Ø49	250 N	35 g	1.44.472060
Adj. tilt-foot cushion element for plate 80	Ø67	500 N	68 g	1.44.472080
Adj. tilt-foot cushion element for plate 100	Ø87	800 N	118 g	1.44.472100
Adj. tilt-foot cushion element for plate 120	Ø107	1,200 N	188 g	1.44.472120

Imprint

Subject to technical modification.

The key ...

to success



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