

» The Clean-Room System

English
1/2015

 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



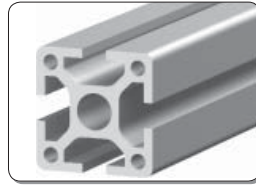
Stock of aluminium profiles



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	plain	plain	plain	plain	
16	<p>F 16x40</p>		<p>E 16x40 16x80 16x160 16x40 16x80</p>		
20	<p>H 20x20 20x40</p>			<p>F 20x10 20x30 20x30</p>	
30	<p>F 30x30 30x60 30x100 30x150</p>				<p>F 30x100</p> <p>E3</p> <p>E4</p>
40	<p>E3 40x40</p>		<p>40x80 40x160 80x80</p>		
45	<p>E4 45x45 45x60 45x90</p>			<p>90x90</p>	
50	<p>E4</p>				
60	<p>E4 60x60</p>				

plain plain plain plain

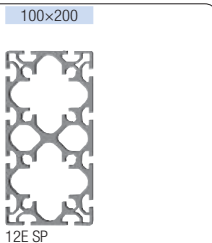
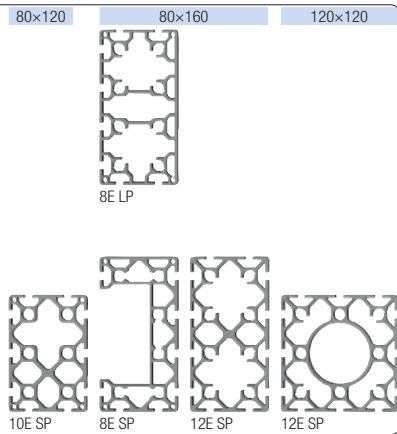
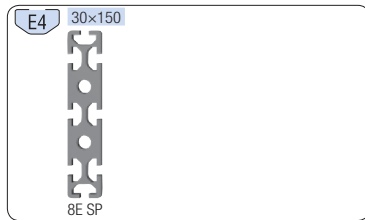







without grooves

16	20	30	40	45	50	60	Profile group
<div style="display: flex; justify-content: space-around;"> H F E </div>							Slot type
<div style="border: 1px solid black; border-radius: 5px; padding: 2px 5px; display: inline-block;">plain</div>							plain

L	light
S	heavy
P	plain
B	type B

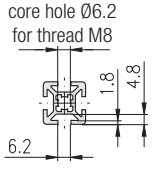


octag.	octagonal
c.	corner
r.	round
s.	soft
a.	angle

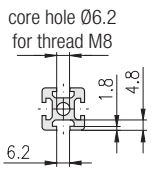








<div style="border: 1px solid black; border-radius: 5px; padding: 2px 5px; display: inline-block;">plain</div>	Profiles round	Profiles octagonal			
	<div style="border: 1px solid black; border-radius: 5px; padding: 2px 5px; display: inline-block; margin-right: 10px;">48 round</div>	<div style="border: 1px solid black; border-radius: 5px; padding: 2px 5px; display: inline-block; margin-right: 10px;">30 octag.</div>	<div style="border: 1px solid black; border-radius: 5px; padding: 2px 5px; display: inline-block;">40 octag.</div>		
	 1E SP	 2E c.SP	 2E 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	cm ⁴	$I_x = 4.4$ $I_y = 0.8$	$I_x = 4.3$ $I_y = 0.8$	$I_x = 30.7$ $I_y = 1.6$	$I_x = 221.0$ $I_y = 3.2$
moment of resistance	cm ³	$W_x = 2.2$ $W_y = 0.8$	$W_x = 2.2$ $W_y = 0.8$	$W_x = 7.7$ $W_y = 1.6$	$W_x = 27.5$ $W_y = 3.2$
weight	kg/m	$G = 0.87$	$G = 0.75$	$G = 1.49$	$G = 2.6$

heavy					
Description			Profile 16×40, 1E, SP	Profile 16×80, 2E, SP	
bar, 6 m			1.09.016040.14SP.60	1.09.016080.24SP.60	
packing unit (number)			1.09.016040.14SP.61 (20)	1.09.016080.24SP.61 (10)	
moment of inertia	cm ⁴		$I_x = 7.2$ $I_y = 1.1$	$I_x = 48.3$ $I_y = 2.2$	
moment of resistance	cm ³		$W_x = 3.6$ $W_y = 1.1$	$W_x = 12.0$ $W_y = 2.2$	
weight	kg/m		$G = 1.14$	$G = 2.11$	

<div style="border: 1px solid black; border-radius: 10px; padding: 2px 10px; display: inline-block;">light</div>				
 <p>core hole Ø6.2 for thread M8</p>			 	
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 cm ⁴ moment of resistance cm ³ weight kg/m			$I_x = 1.0$ $I_y = 0.8$ $W_x = 1.0$ $W_y = 0.8$ $G = 0.58$	

<div style="border: 1px solid black; border-radius: 10px; padding: 2px 10px; display: inline-block;">heavy</div>				
 <p>core hole Ø6.2 for thread M8</p>	 	 	 	
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 cm ⁴ moment of resistance cm ³ weight kg/m	$I_x = 0.6$ $I_y = 0.6$ $W_x = 0.6$ $W_y = 0.6$ $G = 0.52$	$I_x = 1.0$ $I_y = 1.0$ $W_x = 0.9$ $W_y = 0.9$ $G = 0.68$		$I_x = 0.9$ $I_y = 0.9$ $W_x = 0.9$ $W_y = 0.9$ $G = 0.65$

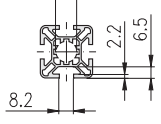

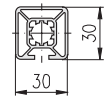

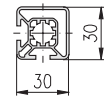
light				
<p>core hole Ø6.2 for thread M8</p>	 		 	
Description	Profile 20×20, 4H, LP		Profile 20×40, 6H, LP	
bar, 6 m	1.10.020020.43LP.60		1.10.020040.64LP.60	
packing unit (number)	1.10.020020.43LP.61 (10)		1.10.020040.64LP.61 (10)	
moment of inertia cm ⁴	$I_x = 0.8$ $I_y = 0.8$		$I_x = 5.3$ $I_y = 1.4$	
moment of resistance cm ³	$W_x = 0.8$ $W_y = 0.8$		$W_x = 2.6$ $W_y = 1.4$	
weight kg/m	$G = 0.53$		$G = 0.9$	

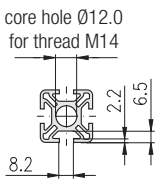

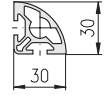

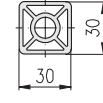

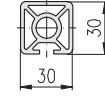

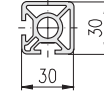
heavy				
<p>core hole Ø6.2 for thread M8</p>	 	 	 	
Description	Profile 20×20, 4H, SP	Profile 20×40, 4H, SP	Profile 20×40, 6H, SP	
bar, 6 m	1.10.020020.43SP.60	1.10.020040.44SP.60	1.10.020040.64SP.60	
packing unit (number)	1.10.020020.43SP.61 (10)	1.10.020040.44SP.61 (10)	1.10.020040.64SP.61 (10)	
moment of inertia cm ⁴	$I_x = 0.9$ $I_y = 0.9$	$I_x = 7.0$ $I_y = 2.0$	$I_x = 6.4$ $I_y = 1.7$	
moment of resistance cm ³	$W_x = 0.9$ $W_y = 0.9$	$W_x = 3.5$ $W_y = 2.0$	$W_x = 3.2$ $W_y = 1.7$	
weight kg/m	$G = 0.62$	$G = 1.3$	$G = 1.3$	

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




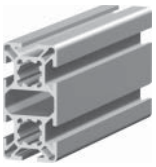



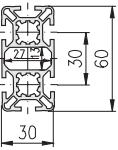
light				
<p>core hole Ø12.0 for thread M14</p>				
Description	Profile 20×10, 1F, LP	Profile 20×30, 1F, LP	Profile 20×30, 2F, LP	
bar, 6 m	1.11.020010.14LP.60	1.11.020030.14LP.60	1.11.020030.24LP.60	
packing unit (number)	1.11.020010.14LP.61 (10)	1.11.020030.14LP.61 (10)	1.11.020030.24LP.61 (10)	
moment of inertia cm ⁴	$I_x = 0.1$ $I_y = 0.6$	$I_x = 2.2$ $I_y = 1.4$	$I_x = 2.2$ $I_y = 1.5$	
moment of resistance cm ³	$W_x = 0.2$ $W_y = 0.5$	$W_x = 1.5$ $W_y = 1.4$	$W_x = 1.5$ $W_y = 1.5$	
weight kg/m	$G = 0.35$	$G = 0.7$	$G = 0.74$	









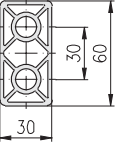
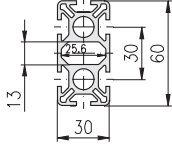
heavy				
<p>core hole Ø12.0 for thread M14</p>				
Description			Profile 20×30, 2F, SP	
bar, 6 m			1.11.020030.24SP.60	
packing unit (number)			1.11.020030.24SP.61 (10)	
moment of inertia cm ⁴			$I_x = 2.6$ $I_y = 1.9$	
moment of resistance cm ³			$W_x = 1.7$ $W_y = 1.7$	
weight kg/m			$G = 1.0$	

<div style="border: 1px solid black; border-radius: 10px; padding: 2px 10px; display: inline-block;">light</div>				
<p>core hole Ø12.0 for thread M14</p> 			 	 
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 cm ⁴			$I_x = 3.1$ $I_y = 3.1$	$I_x = 3.2$ $I_y = 3.2$
moment of resistance cm ³			$W_x = 2.1$ $W_y = 2.1$	$W_x = 2.1$ $W_y = 2.1$
weight kg/m			$G = 0.9$	$G = 0.9$

<div style="border: 1px solid black; border-radius: 10px; padding: 2px 10px; display: inline-block;">heavy</div>				
<p>core hole Ø12.0 for thread M14</p> 	 	 	 	 
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 cm ⁴	$I_x = 2.7$ $I_y = 2.7$	$I_x = 4.4$ $I_y = 4.4$	$I_x = 4.3$ $I_y = 4.0$	$I_x = 3.7$ $I_y = 3.7$
moment of resistance cm ³	$W_x = 1.6$ $W_y = 1.6$	$W_x = 2.3$ $W_y = 2.3$	$W_x = 2.9$ $W_y = 2.6$	$W_x = 2.4$ $W_y = 2.4$
weight kg/m	$G = 0.9$	$G = 1.3$	$G = 1.2$	$G = 1.1$

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

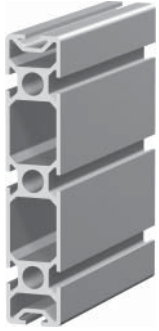
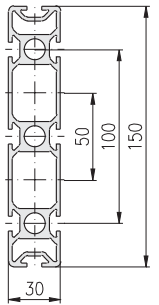
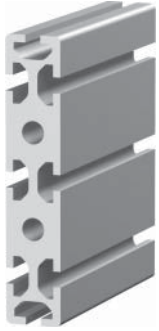
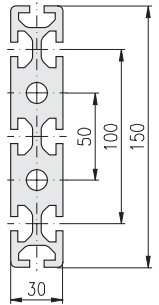
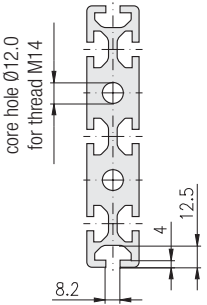
				
				
Profile 30×30, 2F, LP	Profile 30×30, 3F, LP	Profile 30×30, 4F, LP		Profile 30×60, 6F, LP
1.11.030030.23LP.60	1.11.030030.33LP.60	1.11.030030.43LP.60		1.11.030060.64LP.60
1.11.030030.23LP.61 (10)	1.11.030030.33LP.61 (10)	1.11.030030.43LP.61 (10)		1.11.030060.64LP.61 (6)
$I_x = 3.2$ $I_y = 3.2$ $W_x = 2.1$ $W_y = 2.1$ $G = 0.9$	$I_x = 3.0$ $I_y = 3.0$ $W_x = 2.0$ $W_y = 2.0$ $G = 0.9$	$I_x = 3.3$ $I_y = 3.3$ $W_x = 2.2$ $W_y = 2.2$ $G = 0.9$		$I_x = 21.1$ $I_y = 5.9$ $W_x = 7.4$ $W_y = 3.9$ $G = 1.6$

				
				
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)
$I_x = 3.6$ $I_y = 3.9$ $W_x = 2.4$ $W_y = 2.6$ $G = 1.1$	$I_x = 3.5$ $I_y = 3.7$ $W_x = 2.4$ $W_y = 2.4$ $G = 1.1$	$I_x = 3.5$ $I_y = 3.5$ $W_x = 2.4$ $W_y = 2.4$ $G = 1.1$	$I_x = 29.0$ $I_y = 7.8$ $W_x = 9.6$ $W_y = 5.2$ $G = 2.2$	$I_x = 25.0$ $I_y = 7.0$ $W_x = 8.3$ $W_y = 4.7$ $G = 2.1$

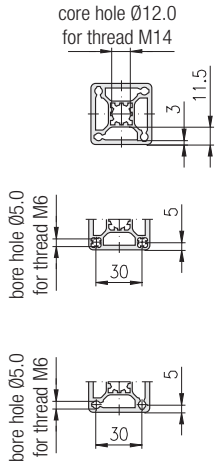
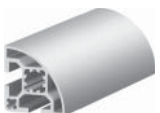
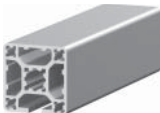

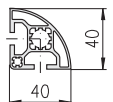
light				
Description				
bar, 6 m				
packing unit (number)				
moment of inertia cm ⁴				
moment of resistance cm ³				
weight kg/m				

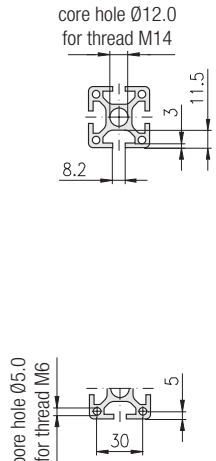


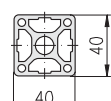
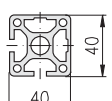
heavy				
Description	Profile 30×100, 5E, 2F, SP	Profile 30×100, 8F, SP	Profile 30×100, 10F, SP	
bar, 6 m	1.11.030100.74SP.60	1.11.030100.84SP.60	1.11.030100.104SP.60	
packing unit (number)	1.11.030100.74SP.61 (4)	1.11.030100.84SP.61 (4)	1.11.030100.104SP.61 (4)	
moment of inertia cm ⁴	$I_x = 108.9$ $I_y = 12.4$	$I_x = 115.0$ $I_y = 11.6$	$I_x = 127.0$ $I_y = 11.9$	
moment of resistance cm ³	$W_x = 21.7$ $W_y = 8.3$	$W_x = 22.9$ $W_y = 7.7$	$W_x = 25.4$ $W_y = 7.9$	
weight kg/m	$G = 3.5$	$G = 3.4$	$G = 3.6$	

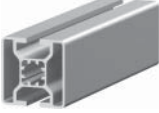
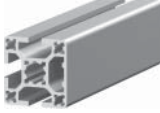
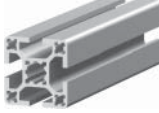
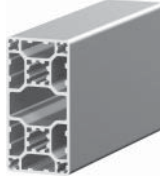
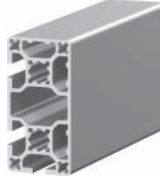
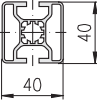
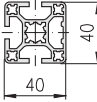
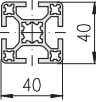
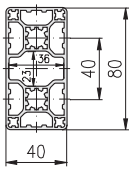
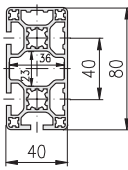
machining data Profile machining 1.1A (Catalogue 'The Profile System')


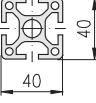
 	  <p>Connection possibilities ↗ 106, Universal connector ↗ 110, ST-Connector (Catalogue 'The Profile System')</p> 		
<p>Profile 30×150, 8F, SP</p>	<p>Profile 30×150, 8E, SP</p>		
<p>1.11.030150.85SP.60</p>	<p>1.11.030150.84SP.60</p>		
<p>1.11.030150.85SP.61 (2)</p>	<p>1.11.030150.84SP.61 (2)</p>		
<p>$I_x = 340.0$ $I_y = 16.0$ $W_x = 45.0$ $W_y = 11.0$ $G = 4.1$</p>	<p>$I_x = 481.0$ $I_y = 25.1$ $W_x = 64.1$ $W_y = 16.7$ $G = 7.9$</p>		

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 cm ⁴	$I_x = 6.4$ $I_y = 6.4$		$I_x = 10.1$ $I_y = 9.8$	$I_x = 9.9$ $I_y = 9.9$
moment of resistance cm ³	$W_x = 3.8$ $W_y = 3.8$		$W_x = 5.0$ $W_y = 4.8$	$W_x = 4.9$ $W_y = 4.9$
weight kg/m	$G = 1.2$		$G = 1.5$	$G = 1.5$

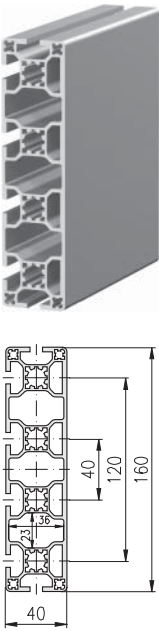
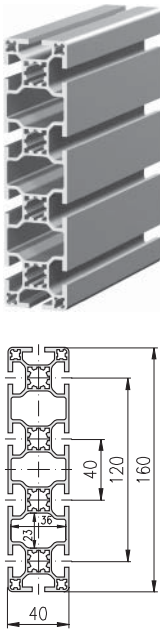
heavy				
				
Description	Profile 40×40, 0E, SP		Profile 40×40, 2E, corner, SP	
bar, 6 m	1.11.040040.03SP.60		1.11.040040.22SP.60	
packing unit (number)	1.11.040040.03SP.61 (8)		1.11.040040.22SP.61 (8)	
moment of inertia cm ⁴	$I_x = 12.6$ $I_y = 12.6$		$I_x = 12.0$ $I_y = 12.0$	
moment of resistance cm ³	$W_x = 6.3$ $W_y = 6.3$		$W_x = 6.0$ $W_y = 6.0$	
weight kg/m	$G = 2.0$		$G = 2.0$	

				
				
Profile 40×40, 2E, LP	Profile 40×40, 3E, LP	Profile 40×40, 4E, LP	Profile 40×80, 0E, LP	Profile 40×80, 3E, corner, LP
1.11.040040.23LP.60	1.11.040040.33LP.60	1.11.040040.43LP.60	1.11.040080.04LP.60	1.11.040080.32LP.60
1.11.040040.23LP.61 (8)	1.11.040040.33LP.61 (8)	1.11.040040.43LP.61 (8)	1.11.040080.04LP.61 (8)	1.11.040080.32LP.61 (4)
$I_x = 8.2$ $I_y = 7.5$ $W_x = 4.1$ $W_y = 3.8$ $G = 1.3$	$I_x = 9.5$ $I_y = 9.9$ $W_x = 4.7$ $W_y = 4.9$ $G = 1.5$	$I_x = 9.6$ $I_y = 9.6$ $W_x = 4.7$ $W_y = 4.7$ $G = 1.5$	$I_x = 66.8$ $I_y = 18.4$ $W_x = 16.7$ $W_y = 9.2$ $G = 2.7$	$I_x = 66.9$ $I_y = 18.1$ $W_x = 16.7$ $W_y = 9.0$ $G = 2.6$

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

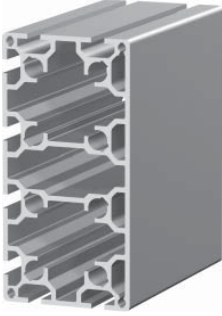
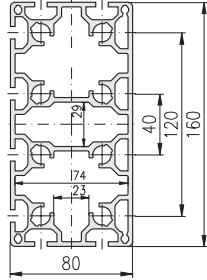
light				
Description	Profile 40×80, 4E, LP	Profile 40×80, 4E, LBP	Profile 40×80, 5E, LP	Profile 40×80, 6E, LP
bar, 6 m	1.11.040080.44LP.60	1.11.040080.44LBP.60	1.11.040080.54LP.60	1.11.040080.64LP.60
packing unit (number)	1.11.040080.44LP.61 (4)	1.11.040080.44LBP.61 (4)	1.11.040080.54LP.61 (4)	1.11.040080.64LP.61 (4)
moment of inertia cm ⁴	$I_x = 65.8$ $I_y = 18.1$	$I_x = 74.5$ $I_y = 18.3$	$I_x = 72.2$ $I_y = 18.1$	$I_x = 65.4$ $I_y = 17.5$
moment of resistance cm ³	$W_x = 16.5$ $W_y = 9.0$	$W_x = 18.6$ $W_y = 9.2$	$W_x = 18.0$ $W_y = 9.0$	$W_x = 16.4$ $W_y = 8.8$
weight kg/m	$G = 2.6$	$G = 2.8$	$G = 2.8$	$G = 2.5$

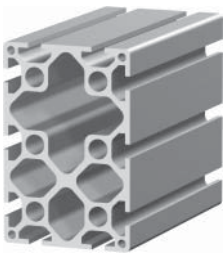
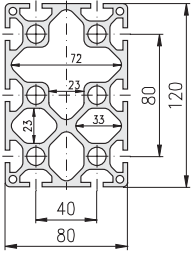
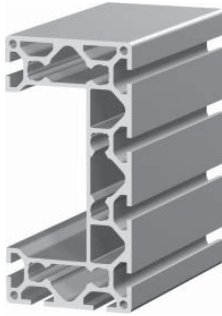
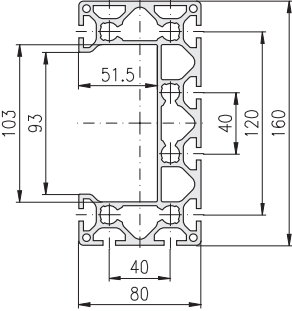
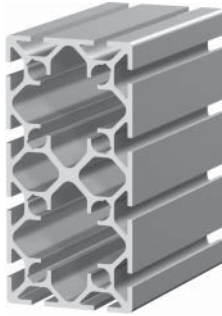
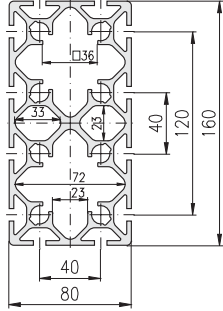
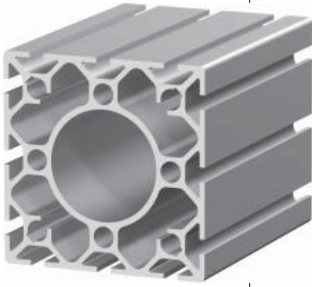
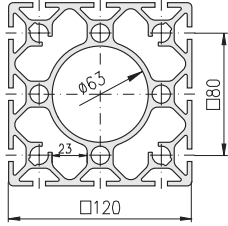
heavy				
Description				Profile 40×80, 6E, SP
bar, 6 m				1.11.040080.64SP.60
packing unit (number)				1.11.040080.64SP.61 (4)
moment of inertia cm ⁴				$I_x = 82.0$ $I_y = 23.4$
moment of resistance cm ³				$W_x = 20.5$ $W_y = 11.7$
weight kg/m				$G = 3.8$

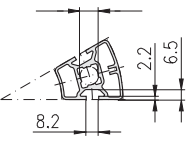
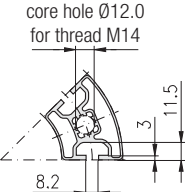

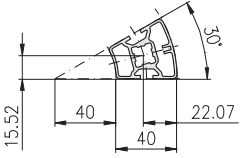

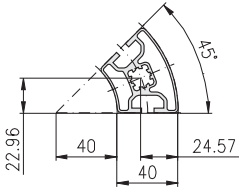

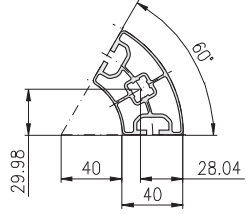
				
<p>Profile 40×160, 6E, LP</p>	<p>Profile 40×160, 10E, LP</p>			
<p>1.11.040160.64LP.60</p>	<p>1.11.040160.104LP.60</p>			
<p>1.11.040160.64LP.61 (2)</p>	<p>1.11.040160.104LP.61 (2)</p>			
<p>$I_x = 450.4$ $I_y = 36.3$ $W_x = 56.3$ $W_y = 18.1$ $G = 5.0$</p>	<p>$I_x = 433.5$ $I_y = 33.1$ $W_x = 54.2$ $W_y = 16.5$ $G = 4.7$</p>			

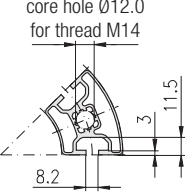
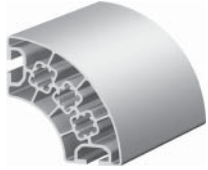
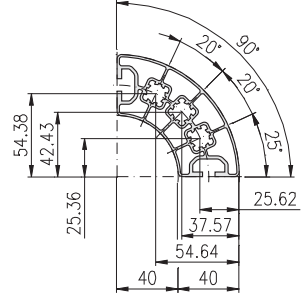
light				
Description	Profile 80×80, OE, LP	Profile 80×80, 4E, corner, LP	Profile 80×80, 6E, LP	Profile 80×80, 8E, LP
bar, 6 m	1.11.080080.03LP.60	1.11.080080.42LP.60	1.11.080080.63LP.60	1.11.080080.83LP.60
packing unit (number)	1.11.080080.03LP.61 (2)	1.11.080080.42LP.61 (2)	1.11.080080.63LP.61 (2)	1.11.080080.83LP.61 (2)
moment of inertia cm ⁴	$I_x = 135.0$ $I_y = 135.0$	$I_x = 128.0$ $I_y = 128.0$	$I_x = 121.3$ $I_y = 116.0$	$I_x = 114.0$ $I_y = 114.0$
moment of resistance cm ³	$W_x = 33.5$ $W_y = 33.5$	$W_x = 32.0$ $W_y = 32.0$	$W_x = 30.3$ $W_y = 29.0$	$W_x = 28.4$ $W_y = 28.4$
weight kg/m	$G = 4.7$	$G = 4.5$	$G = 4.2$	$G = 4.1$

heavy				
Description		Profile 80×80, 7E, SP	Profile 80×80, 8E, SP	
bar, 6 m		1.11.080080.79SP.60	1.11.080080.83SP.60	
packing unit (number)		1.11.080080.79SP.61 (2)	1.11.080080.83SP.61 (2)	
moment of inertia cm ⁴		$I_x = 173.0$ $I_y = 160.0$	$I_x = 166.0$ $I_y = 166.0$	
moment of resistance cm ³		$W_x = 43.3$ $W_y = 40.0$	$W_x = 41.4$ $W_y = 41.4$	
weight kg/m		$G = 7.6$	$G = 5.9$	

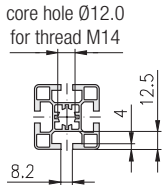
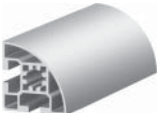
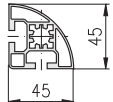

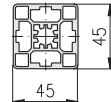

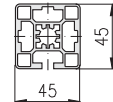

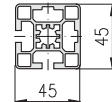
	 			
	<p>Profile 80×160, 8E, LP</p>			
	<p>1.11.080160.84LP.60</p>			
	<p>1.11.080160.84LP.61 (2)</p>			
	<p>$I_x = 828.0$ $I_y = 259.0$ $W_x = 104.0$ $W_y = 65.0$ $G = 8.6$</p>			

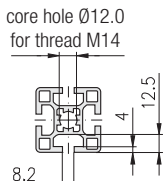
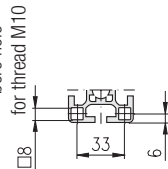
 	  <p>Application ➔ E-trunking profiles, 50, 316-319 (Catalogue 'The Profile System')</p>	 	 
<p>Profile 80×120, SP</p>	<p>Profile 80×160, 8E, SP</p>	<p>Profile 80×160, 12E, SP</p>	<p>Profile 120×120, 10E, 12E, SP</p>
<p>1.11.080120.104SP.60</p>	<p>1.11.080160.89SP.60</p>	<p>1.11.080160.124SP.60</p>	<p>1.11.120120.123SP.60</p>
<p>1.11.080120.104SP.61 (2)</p>	<p>1.11.080160.89SP.61 (2)</p>	<p>1.11.080160.124SP.61 (2)</p>	<p>1.11.120120.123SP.61 (2)</p>
<p>$I_x = 449.9$ $I_y = 217.8$ $W_x = 72.6$ $W_y = 54.4$ $G = 8.6$</p>	<p>$I_x = 944.0$ $I_y = 183.0$ $W_x = 118.0$ $W_y = 45.8$ $G = 7.9$</p>	<p>$I_x = 883.0$ $I_y = 269.0$ $W_x = 110.0$ $W_y = 67.3$ $G = 9.4$</p>	<p>$I_x = 624.0$ $I_y = 624.0$ $W_x = 104.0$ $W_y = 104.0$ $G = 10.6$</p>

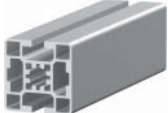
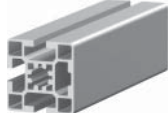
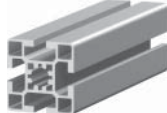
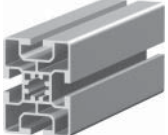
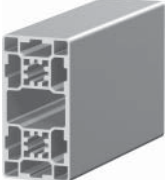
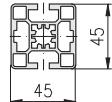
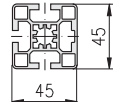
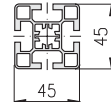
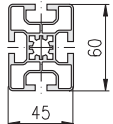
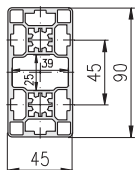
light	F-Slot			Connection possibilities and calculation formulas for polygons ↗ 1.2E
<p>F-Slot</p> <p>core hole Ø12.0 for thread M14</p>  <p>E3-Slot</p> <p>core hole Ø12.0 for thread M14</p> 	 	 	 	
Description	Profile 40, round 30 deg., 2F, LP	Profile 40, round 45 deg., 2E, LP	Profile 40, round 60 deg., 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 cm ⁴	$I_x = 6.0$ $I_y = 4.8$	$I_x = 14.5$ $I_y = 8.0$	$I_x = 30.0$ $I_y = 10.5$	
moment of resistance cm ³	$W_x = 3.0$ $W_y = 2.4$	$W_x = 4.9$ $W_y = 3.7$	$W_x = 7.6$ $W_y = 4.6$	
weight kg/m	G = 1.2	G = 1.6	G = 1.9	

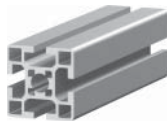

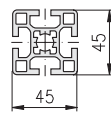
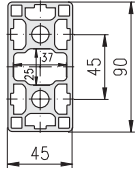
light			Connection possibilities and calculation formulas for polygons ↗ 1.2E
<p>core hole Ø12.0 for thread M14</p>   			
Description	Profile 40, round 90 deg., 2E, LP		
bar, 6 m	1.11.040R90.20LP.60		
packing unit (number)	1.11.040R90.20LP.61 (4)		
moment of inertia cm ⁴	$I_x = 89.0$ $I_y = 89.0$		
moment of resistance cm ³	$W_x = 16.0$ $W_y = 16.0$		
weight kg/m	G = 3.0		

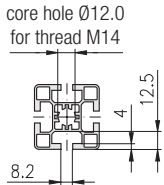
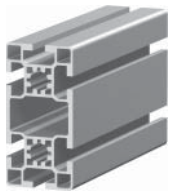
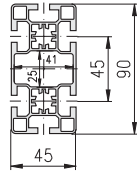
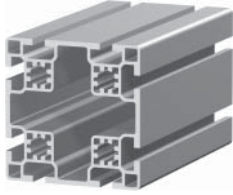
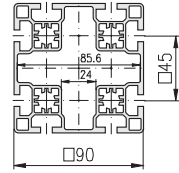
light				
<p>core hole Ø12.0 for thread M14</p> <p>3 11.5</p> <p>bore hole Ø5.0 for thread M6</p> <p>5 30</p>				
Description	Profile 40×40, 2E, 45 deg., LP	Profile 80×80, 7E, 45 deg., LP		
bar, 6 m	1.11.040040.28LP.60	1.11.080080.78LP.60		
packing unit (number)	1.11.040040.28LP.61 (8)	1.11.080080.78LP.61 (2)		
moment of inertia cm ⁴	$I_x = 7.3$ $I_y = 7.3$	$I_x = 99.3$ $I_y = 99.3$		
moment of resistance cm ³	$W_x = 3.9$ $W_y = 3.9$	$W_x = 24.8$ $W_y = 24.8$		
weight kg/m	$G = 1.4$	$G = 4.0$		

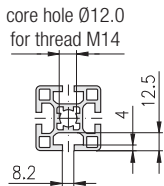
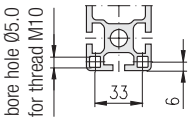
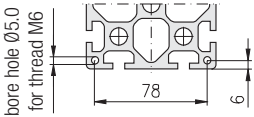
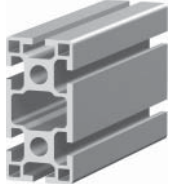
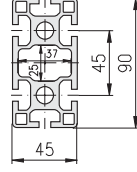
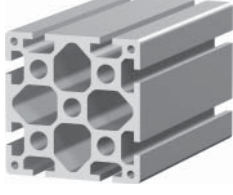
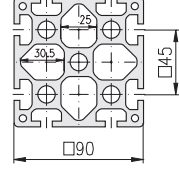
light				
	 	 	 	 
Description	Profile 45×45, 2E, soft, LP	Profile 45×45, 0E, LP	Profile 45×45, 1E, LP	Profile 45×45, 2E, corner, LP
bar, 6 m	1.11.045045.21LP.60	1.11.045045.03LP.60	1.11.045045.13LP.60	1.11.045045.22LP.60
packing unit (number)	1.11.045045.21LP.61 (8)	1.11.045045.03LP.61 (8)	1.11.045045.13LP.61 (8)	1.11.045045.22LP.61 (8)
moment of inertia cm ⁴	$I_x = 11.4$ $I_y = 11.4$	$I_x = 15.5$ $I_y = 15.5$	$I_x = 14.7$ $I_y = 15.5$	$I_x = 14.7$ $I_y = 14.7$
moment of resistance cm ³	$W_x = 5.1$ $W_y = 5.1$	$W_x = 6.9$ $W_y = 6.9$	$W_x = 6.5$ $W_y = 6.8$	$W_x = 6.6$ $W_y = 6.6$
weight kg/m	G = 1.6	G = 2.2	G = 2.1	G = 2.0

heavy				
 				
Description				
bar, 6 m				
packing unit (number)				
moment of inertia cm ⁴				
moment of resistance cm ³				
weight kg/m				

				
				
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 45×90, 0E, SP
		1.11.045045.43SP.60		1.11.045090.04SP.60
		1.11.045045.43SP.61 (8)		1.11.045090.04SP.61 (4)
		$I_x = 15.5$ $I_y = 15.5$ $W_x = 6.9$ $W_y = 6.9$ $G = 2.1$		$I_x = 134.3$ $I_y = 36.3$ $W_x = 29.8$ $W_y = 16.2$ $G = 4.7$

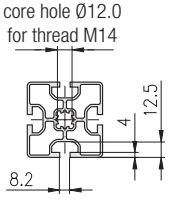
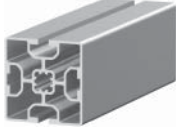
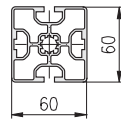
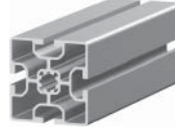
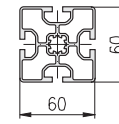
light					
	 	 			
Description	Profile 45×90, 6E, LP	Profile 90×90, 8E, LP			
bar, 6 m	1.11.045090.64LP.60	1.11.090090.83LP.60			
packing unit (number)	1.11.045090.64LP.61 (4)	1.11.090090.83LP.61 (2)			
moment of inertia cm ⁴	$I_x = 98.0$ $I_y = 27.5$	$I_x = 190.5$ $I_y = 190.5$			
moment of resistance cm ³	$W_x = 21.8$ $W_y = 12.2$	$W_x = 42.3$ $W_y = 42.3$			
weight kg/m	$G = 3.3$	$G = 5.6$			

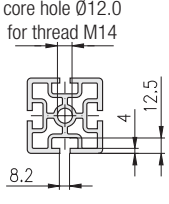
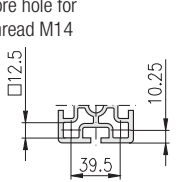
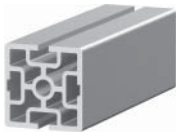
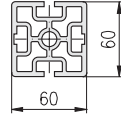
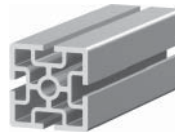
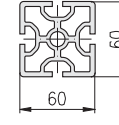
heavy					
  	 	 			
Description	Profile 45×90, 6E, SP	Profile 90×90, 8E, SP			
bar, 6 m	1.11.045090.64SP.60	1.11.090090.83SP.60			
packing unit (number)	1.11.045090.64SP.61 (4)	1.11.090090.83SP.61 (2)			
moment of inertia cm ⁴	$I_x = 126.0$ $I_y = 34.0$	$I_x = 282.0$ $I_y = 282.0$			
moment of resistance cm ³	$W_x = 28.0$ $W_y = 15.0$	$W_x = 63.0$ $W_y = 63.0$			
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 cm ⁴	$I_x = 2,450$ $I_y = 760$			
moment of resistance cm ³	$W_x = 250$ $W_y = 152$			
weight kg/m	$G = 17.2$			

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 cm ⁴	$I_x = 35.1$ $I_y = 37.7$	$I_x = 35.5$ $I_y = 35.5$		
moment of resistance cm ³	$W_x = 11.7$ $W_y = 12.5$	$W_x = 11.7$ $W_y = 11.7$		
weight kg/m	$G = 2.9$	$G = 2.7$		

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 cm ⁴	$I_x = 55.9$ $I_y = 58.5$	$I_x = 56.0$ $I_y = 56.0$		
moment of resistance cm ³	$W_x = 18.6$ $W_y = 19.5$	$W_x = 18.7$ $W_y = 18.7$		
weight kg/m	$G = 4.3$	$G = 4.2$		

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 cm ⁴	$I_x = 12.5$ $I_y = 12.9$	$I_x = 12.0$ $I_y = 12.0$	$I_x = 12.5$ $I_y = 13.5$		
moment of resistance cm ³	$W_x = 4.9$ $W_y = 5.4$	$W_x = 5.0$ $W_y = 5.0$	$W_x = 5.1$ $W_y = 5.9$		
weight kg/m	G = 1.8	G = 2.0	G = 2.0		

Profiles octagonal, P (plain)

heavy					
Description	Profile 30, octagonal, 8F, SP	Profile 40, octagonal, 8E, SP			
bar, 6 m	1.11.0308kt.89SP.60	1.11.0408kt.89SP.60			
packing unit (number)	1.11.0308kt.89SP.61 (2)	1.11.0408kt.89SP.61 (2)			
moment of inertia cm ⁴	$I_x = 84.0$ $I_y = 84.0$	$I_x = 233.0$ $I_y = 233.0$			
moment of resistance cm ³	$W_x = 21.0$ $W_y = 21.0$	$W_x = 44.0$ $W_y = 44.0$			
weight kg/m	G = 3.9	G = 6.5			

Hand rail



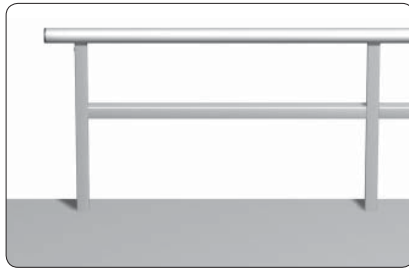
Post: Profile 40x40

Application

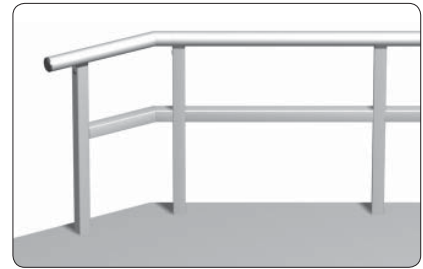
Hand rail for balustrades on stairs and platforms

Comments

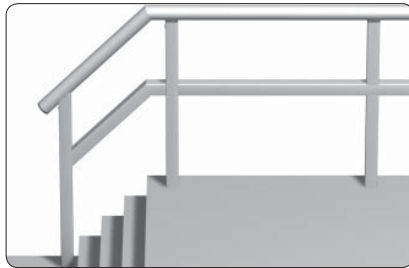
Angled joints: 0 deg. to 90 deg.
Incline: 0 deg. to 45 deg.



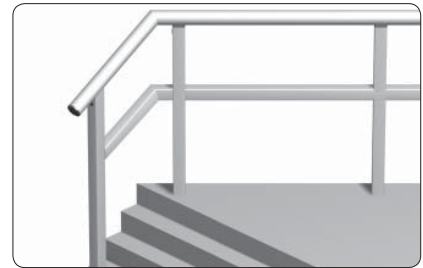
Hand rail straight



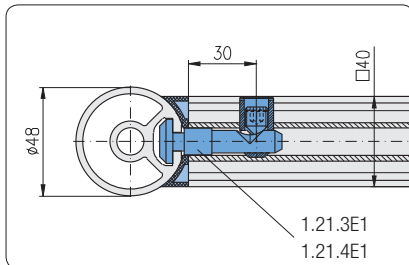
Hand rail angled



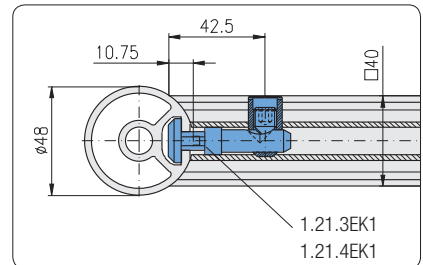
Hand rail tilted



Hand rail tilted and angled

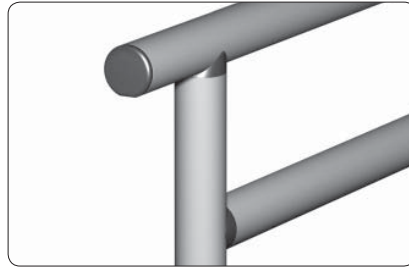


Working dimensions for hand rail straight with radius compensation



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

Hand rail



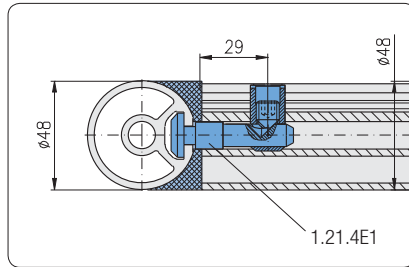
Post: Profile Ø48

Application

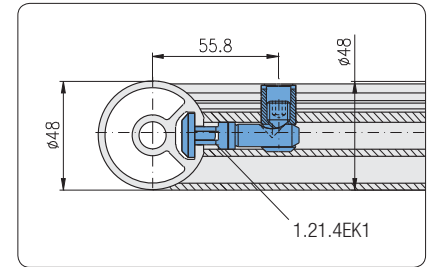
Hand rail for balustrades on stairs and platforms

Comments

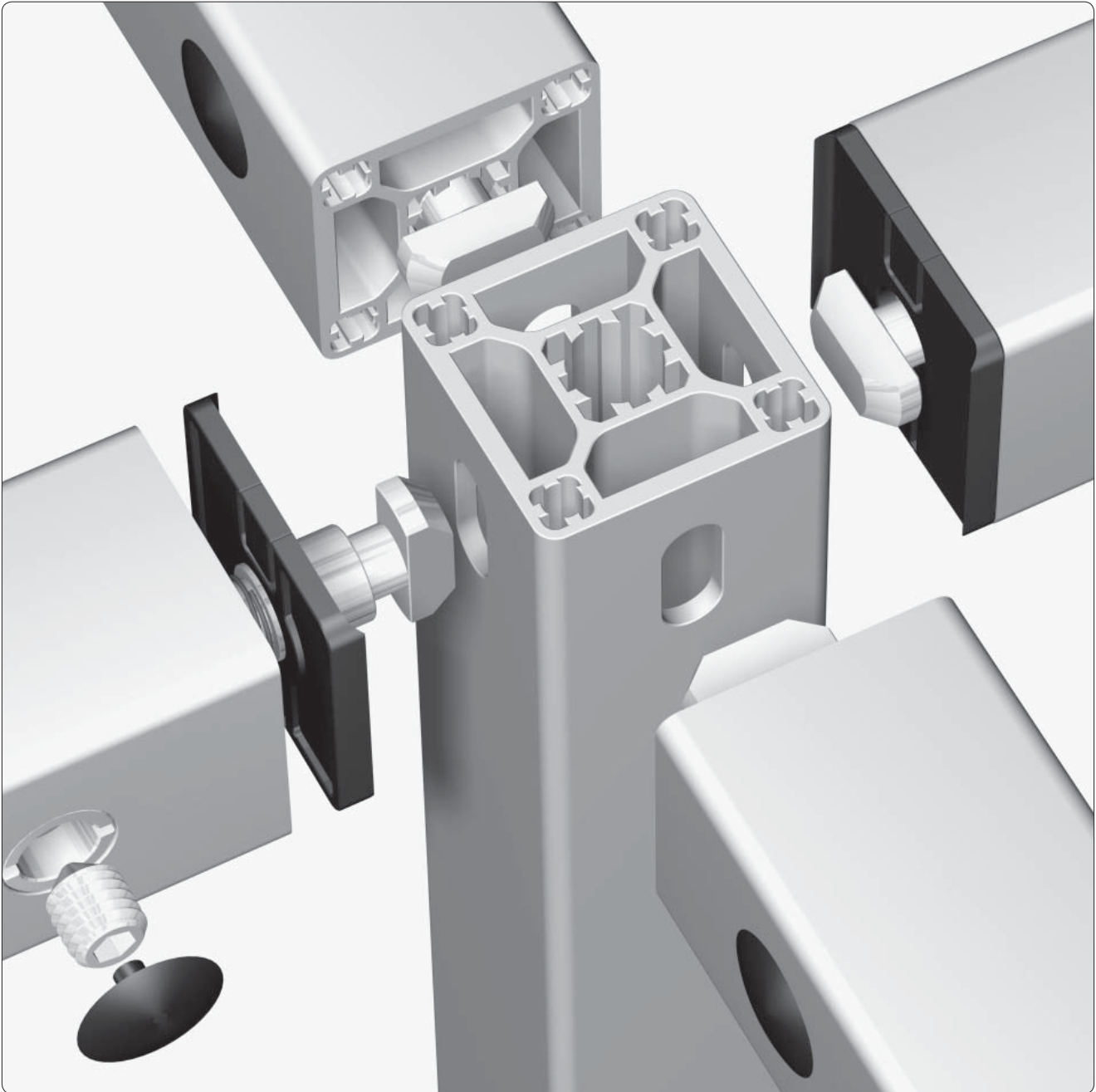
Angled joints: 0 deg. to 90 deg.
Incline: 0 deg. to 45 deg.



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 out after all four sides.

The connection allows:

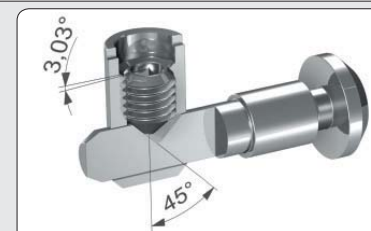
- easy machining
- quick assembly
- innumerable (dis)assemblies

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.



**Specification of milling patterns
for closed profiles**

VB□□□ / □□□□-□□.□	Key
VB□□□ / □□□□-□□.□	Shortcut for "Verbinder-Bohrung"
VB□□□ / □□□□-□□.□	Specification of the milling pattern ¹⁾
VB□□□ / □□□□-□□.□	Number of pattern elements ²⁾
VB□□□ / □□□□-□□.□	Direction of the profile side ↗ 57 (Catalogue 'The Profile System')
VB□□□ / □□□□-□□.□	Distance of the reference point to the left end of the profile [mm]
VB□□□ / □□□□-□□.□	Angle of the connection (in case of VB3 or VB4)

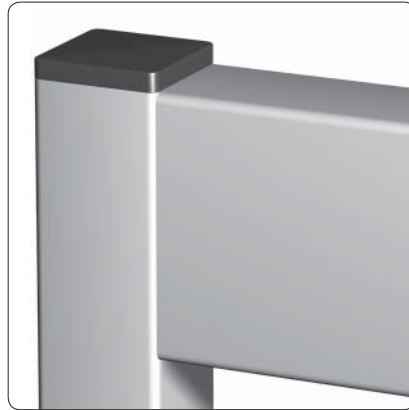
- ¹⁾ 1 = "T" shape milling pattern for standard connector (Standard)
↗ 31
- 2 = upside-down "T" shape milling pattern for standard connector
↗ 32
- 3 = universal shape milling pattern for oblique connections with
universal head ↗ 33
- 4 = upside-down universal shape milling pattern for oblique
connections with universal head ↗ 34
- 5 = elongated hole for connection
- with standard connectors ↗ 35
- with T-nuts ↗ 36
- 6 = half circle for miter 3-way connection ↗ 37

- ²⁾ Specification with "A", "B", "C", same as for the amount of cross
bushing bores ↗ 56 (Catalogue 'The Profile System')

Mounting variation

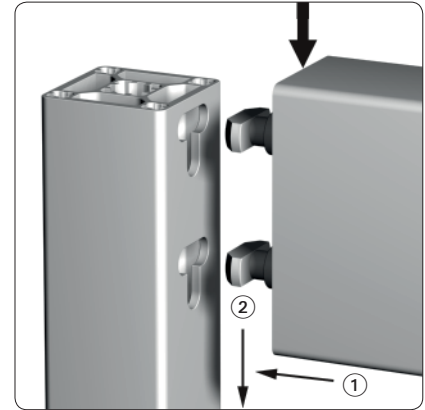
for profiles with 1 or more connectors, if the profile cannot be rotated

for high sliding load



Comments

Position of assembly: profiles flush on the top



Assembly

- ① insert connector
- ② push profile to the bottom

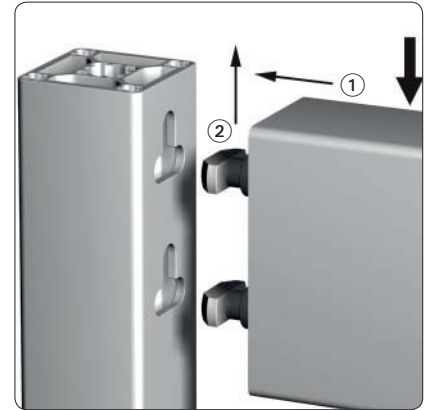
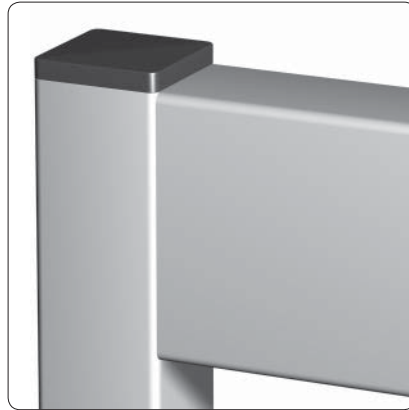
Fabrication measurements

PG 30	PG 40	PG 45
<p>For fastening of profile 30×30</p>	<p>For fastening of profile 40×40</p>	<p>For fastening of profile 45×45</p>
Machining data VB1A□/□□□□		
<p>For fastening of profile 30×60</p>	<p>For fastening of profile 40×80</p>	<p>For fastening of profile 45×90</p>
Machining data VB1B□/□□□□		
<p>For fastening of profile 60×60</p>	<p>For fastening of profile 80×80</p>	<p>For fastening of profile 90×90</p>
Machining data VB1D□/□□□□		

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

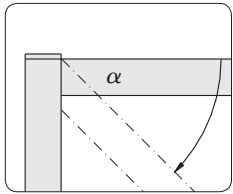
Fabrication measurements

PG 30	PG 40	PG 45
<p>For fastening of profile 30×30</p>	<p>For fastening of profile 40×40</p>	<p>For fastening of profile 45×45</p>
Machining data VB2A□/□□□□		
<p>For fastening of profile 30×60</p>	<p>For fastening of profile 40×80</p>	<p>For fastening of profile 45×90</p>
Machining data VB2B□/□□□□		
<p>For fastening of profile 60×60</p>	<p>For fastening of profile 80×80</p>	<p>For fastening of profile 90×90</p>
Machining data VB2D□/□□□□		

RP = Reference point; Definition of machining data ↗ 119 (Catalogue 'The Profile System')

Mounting variation

for oblique connections with 1 or more connectors

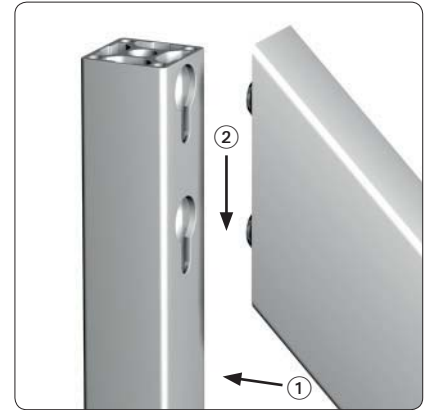


$\alpha = 0 \text{ deg. to } 45 \text{ deg.}$
 $x = \frac{1}{\cos(\alpha)}$



Comments

Position of assembly: profiles flush on the top



Assembly

- ① insert connector
- ② push profile to the bottom

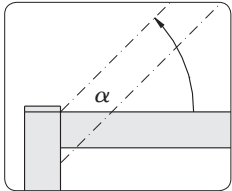
Fabrication measurements

for the use of oblique hinge connectors with an angle of 0 deg. to 45 deg.

PG 30 for connectors 1.21.3FK1, 1.21.3FK2	PG 40 for connectors 1.21.4EK1, 1.21.4EK2	PG 45 for connectors 1.21.45EK1, 1.21.45EK2
<p>For fastening of profile 30×30</p>	<p>For fastening of profile 40×40</p>	<p>For fastening of profile 45×45</p>
<p>Machining data VB3A□/□□□□-□□.□</p>		
<p>For fastening of profile 30×60</p>	<p>For fastening of profile 40×80</p>	<p>For fastening of profile 45×90</p>
<p>Machining data VB3B□/□□□□-□□.□</p>		
<p>For fastening of profile 80×80</p>	<p>For fastening of profile 90×90</p>	
<p>Machining data VB3D□/□□□□-□□.□</p>		

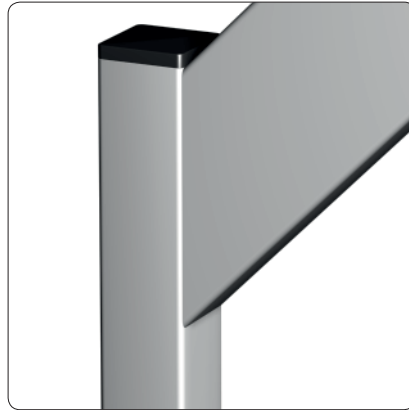
Mounting variation

for oblique connections with 1 or more connectors



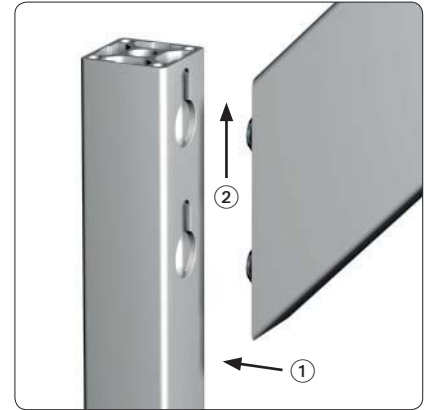
$\alpha = 0 \text{ deg. to } 45 \text{ deg.}$

$$x = \frac{1}{\cos(\alpha)}$$



Comments

Position of assembly: profiles flush on the top



Assembly

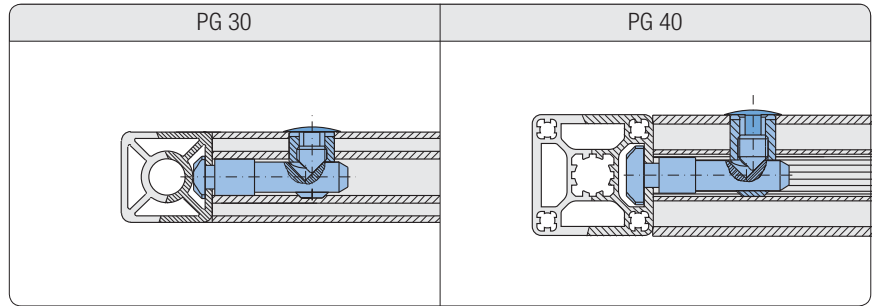
- ① insert connector
- ② push profile to the top

Fabrication measurements

for the use of oblique hinge connectors with an angle of 0 deg. to 45 deg.

PG 30 for connectors 1.21.3FK1, 1.21.3FK2	PG 40 for connectors 1.21.4EK1, 1.21.4EK2	PG 45 for connectors 1.21.45EK1, 1.21.45EK2
<p>For fastening of profile 30×30</p>	<p>For fastening of profile 40×40</p>	<p>For fastening of profile 45×45</p>
<p>Machining data VB4A□/□□□□-□□.□</p>		
<p>For fastening of profile 30×60</p>	<p>For fastening of profile 40×80</p>	<p>For fastening of profile 45×90</p>
<p>Machining data VB4B□/□□□□-□□.□</p>		
<p>For fastening of profile 80×80</p>	<p>For fastening of profile 90×90</p>	
<p>Machining data VB4D□/□□□□-□□.□</p>		

Connection with standard connectors



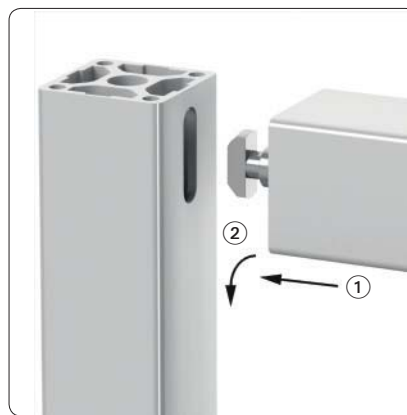
Single parts

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



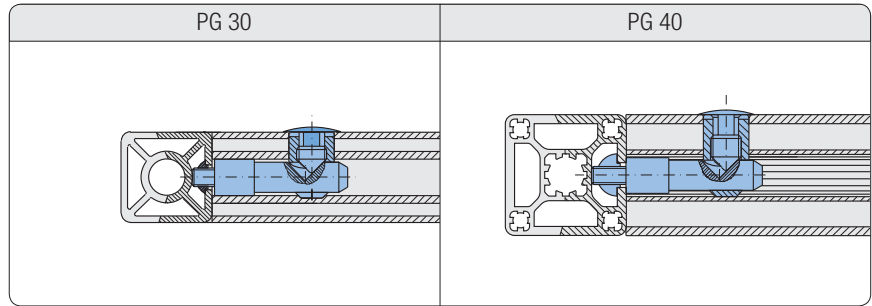
Assembly

- ① insert connector
- ② turn profile

Fabrication measurements

PG 30	PG 40	PG 45
<p>For fastening of profile 30×30</p>	<p>For fastening of profile 40×40</p>	<p>For fastening of profile 45×45</p>
<p>Machining data VB5A□/□□□□</p>		

Connection with screw-type connector



Single parts

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

Single parts

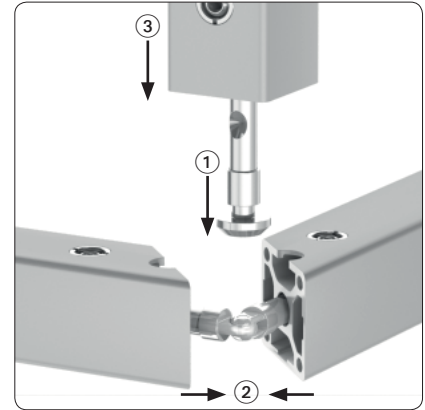
- Screw-type connector 1.21.4S1M8/11 (V)
- T-Nut for subsequent insertion, with spring, E 1.32.4EM8 (V)

Fabrication measurements

PG 30	PG 40	PG 45
<p>For fastening of profile 30×30</p>	<p>For fastening of profile 40×40</p>	<p>For fastening of profile 45×45</p>
Machining data VB5A□/□□□□		
<p>For fastening of profile 30×60</p>	<p>For fastening of profile 40×80</p>	<p>For fastening of profile 45×90</p>
Machining data VB5B□/□□□□		
<p>For fastening of profile 60×60</p>	<p>For fastening of profile 80×80</p>	<p>For fastening of profile 90×90</p>
Machining data VB5D□/□□□□		

Assembly variation

for 3-way connection with miter connectors



Assembly

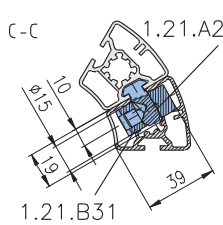
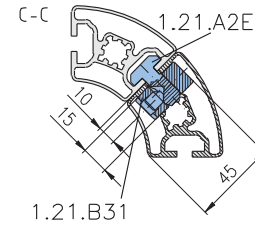
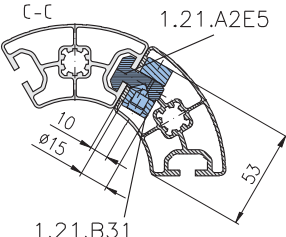
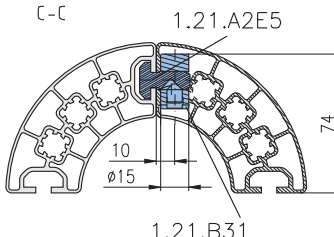
- ① Capture anchor head between profiles
- ② Ease profiles together
- ③ Tighten anchors joining profile

Fabrication measurements

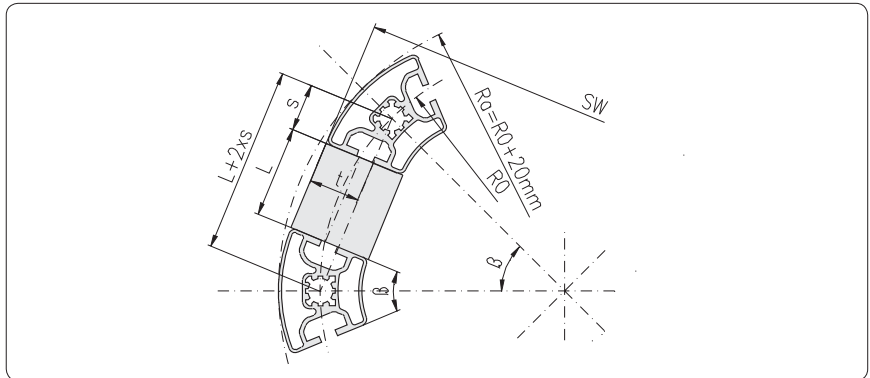
PG 30	PG 40
<p>For fastening of profile 30×30</p>	<p>For fastening of profile 40×40</p>
<p>Machining data VB6A□/□□□□-□□.□</p>	
	<p>For fastening of profile 80×80</p>
<p>Machining data VB6B□/□□□□-□□.□</p>	

Connection of profiles 40, round



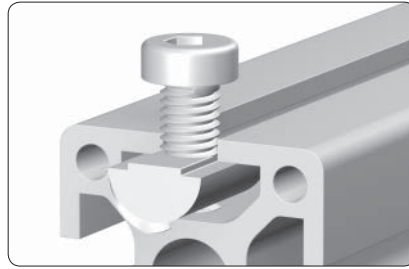
Drill dimensions for profiles 40, round	
30° 	45° 
60° 	90° 

Calculation formulas for polygons



known	searched	Profile 40, round 30° ($\beta = 30^\circ$)	Profile 40, round 45° ($\beta = 45^\circ$)	Profile 40, round 60° ($\beta = 60^\circ$)
		$t = 22.04$ $s = 15.53$	$t = 24.57$ $s = 22.96$	$t = 28.04$ $s = 30.00$
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	$SW =$	$\sqrt{((R_a - 20) \times 2)^2 - ((R_a - 20) \times 0,51764)^2 + 44,08}$	$\sqrt{((R_a - 20) \times 2)^2 - ((R_a - 20) \times 0,76537)^2 + 49,14}$	$\sqrt{((R_a - 20) \times 2)^2 - R_a^2 + 56,08}$

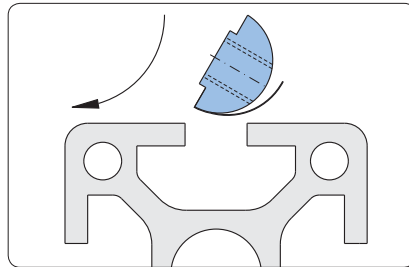
**T-Nuts
for subsequent insertion,
with spring
stainless**



Fixing with leaf spring

Application

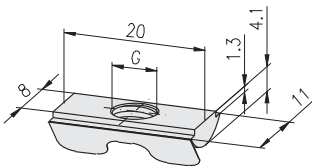
Fastening element for screw-type connections



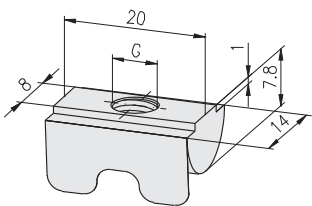
Insert front-sided and rotate

Technical data

- material: stainless steel 1.4305
- surface: pickled and passivated
- max. moment of torque: $M_{A, \max}$

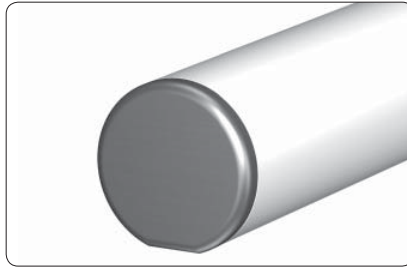


Description	G	Design	$M_{A, \max}$	Weight	Article-No.
T-Nut for subs. ins., w. spring F	M6	stainless	10.0 Nm	4.3 g	1.32.4FM6V
T-Nut for subs. ins., w. spring F	M8	stainless	10.0 Nm	3.7 g	1.32.4FM8V



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 Ø48 for hand rail profile



Application

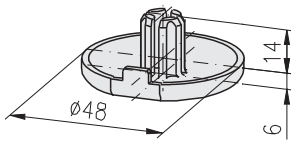
Cover caps prevent dirt from entering and avoid lacerations.

Comments

Before mounting debur core hole

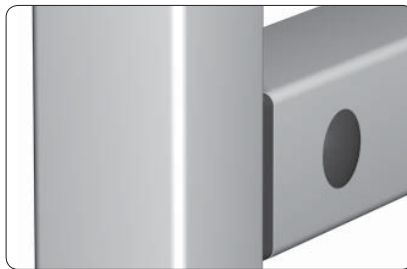
Technical data

material: PA-GF



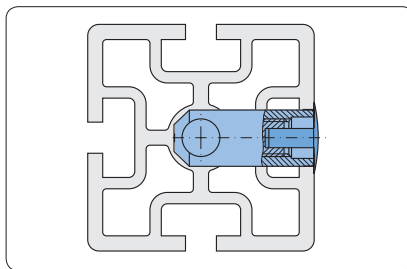
Description	Colour	Weight	Article-No.
Cover cap Ø48 for hand rail profile	grey	1.8 g	1.42.2048R00.1
Cover cap Ø48 for hand rail profile	black	1.8 g	1.42.2048R00.2

Cover plugs domed



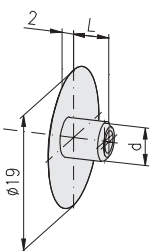
Application

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



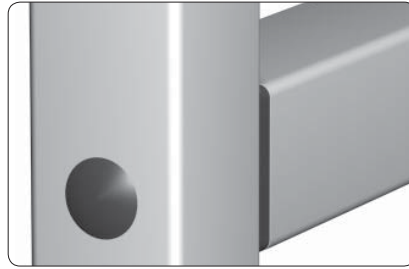
Technical data

material: PE



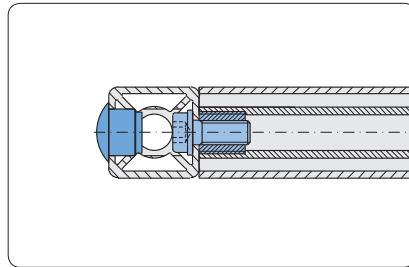
Description	Colour	L	d	Weight	Article-No.
Cover plug 20 domed	grey	3.5	Ø4.3	0.2 g	1.42.5120.1
Cover plug 20 domed	black	3.5	Ø4.3	0.2 g	1.42.5120.2
Cover plug 30 domed	grey	6.0	Ø5.3	0.3 g	1.42.5130.1
Cover plug 30 domed	black	6.0	Ø5.3	0.3 g	1.42.5130.2
Cover plug 40 domed	grey	11.0	Ø5.3	0.4 g	1.42.5140.1
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**

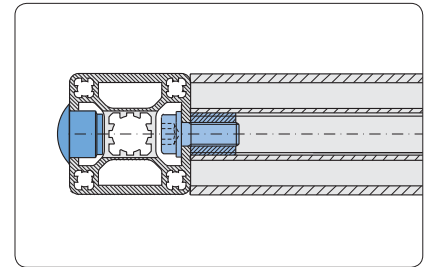


Application

The cover plug allows the closing of the screw bore



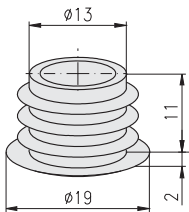
Profile 30



Profile 40

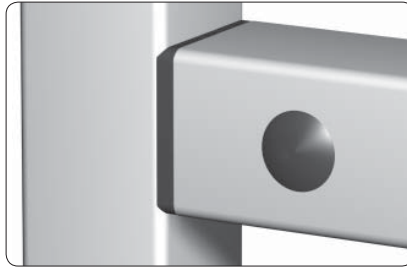
Technical data

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

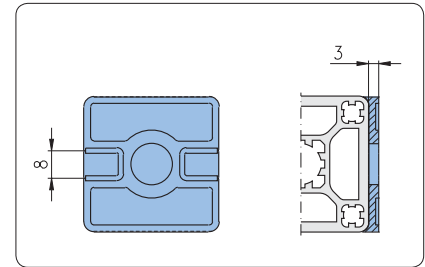
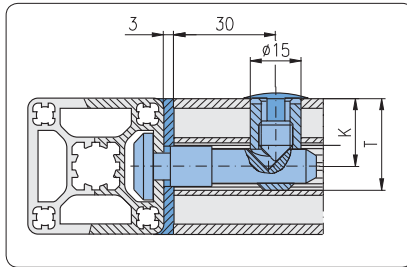


Application

For covering the exterior profile radius

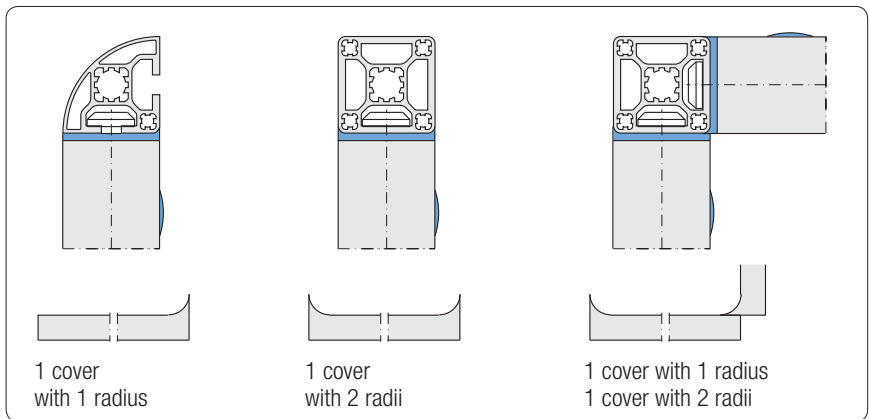
Technical data

material: PA-GF



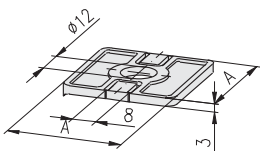
Drill dimensions by use of radius covers
(dimensions K, T \Rightarrow connector-cross bushings 1.2B, Catalogue 'The Profile system')

For mounting of panels the slots can be broken out



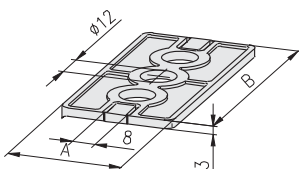
Mounting-Variations

Square
with one radius

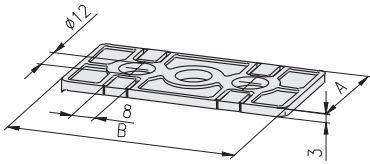


Description	A	Colour	Weight	Article-No.
Radius cover 1R	30	grey	3.1 g	1.43.10030030.1
Radius cover 1R	30	black	3.1 g	1.43.10030030.2
Radius cover 1R	40	grey	6.1 g	1.43.10040040.1
Radius cover 1R	40	black	6.1 g	1.43.10040040.2
Radius cover 1R	45	grey	5.4 g	1.43.10045045.1
Radius cover 1R	45	black	5.4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

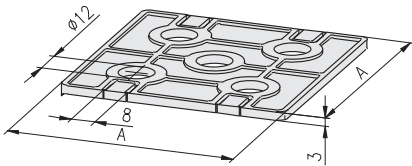
Rectangle
with one radius



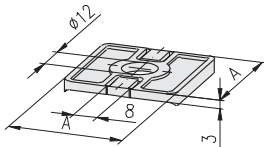
Description	A	B	Colour	Weight	Article-No.
Radius cover 1R	30	60	grey	5.8 g	1.43.10030060.1
Radius cover 1R	30	60	black	5.8 g	1.43.10030060.2
Radius cover 1R	40	80	grey	11.8 g	1.43.10040080.1
Radius cover 1R	40	80	black	11.8 g	1.43.10040080.2
Radius cover 1R	45	90	grey	10.7 g	1.43.10045090.1
Radius cover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

Rectangle 90°
 with one radius


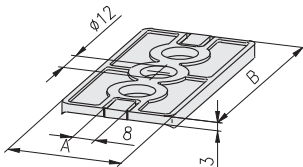
Description	A	B	Colour	Weight	Article-No.
Radius cover 1R	30	60	grey	5.8 g	1.43.11030060.1
Radius cover 1R	30	60	black	5.8 g	1.43.11030060.2
Radius cover 1R	40	80	grey	11.8 g	1.43.11040080.1
Radius cover 1R	40	80	black	11.8 g	1.43.11040080.2
Radius cover 1R	45	90	grey	10.8 g	1.43.11045090.1
Radius cover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

Square
 with one radius


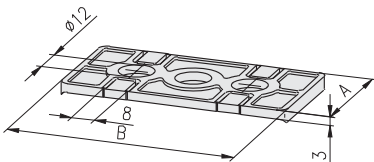
Description	A	Colour	Weight	Article-No.
Radius cover 1R	60	grey	12.0 g	1.43.10060060.1
Radius cover 1R	60	black	12.0 g	1.43.10060060.2
Radius cover 1R	80	grey	24.0 g	1.43.10080080.1
Radius cover 1R	80	black	24.0 g	1.43.10080080.2

Square
 with two radii


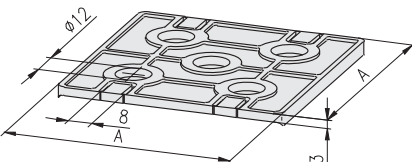
Description	A	Colour	Weight	Article-No.
Radius cover 2R	30	grey	3.2 g	1.43.20030030.1
Radius cover 2R	30	black	3.2 g	1.43.20030030.2
Radius cover 2R	40	grey	6.3 g	1.43.20040040.1
Radius cover 2R	40	black	6.3 g	1.43.20040040.2
Radius cover 2R	45	grey	5.6 g	1.43.20045045.1
Radius cover 2R	45	black	5.6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

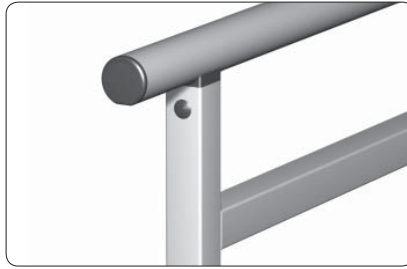
Rectangle 90°
 with two radii


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



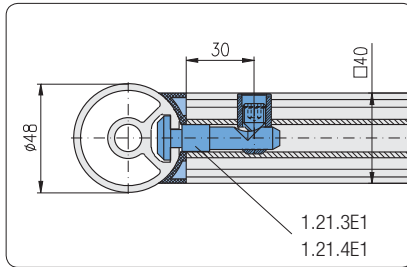
Post: Profile 40x40

Application

Radius compensation for hand rails
 ↳ Profile applications 1.1A

Comments

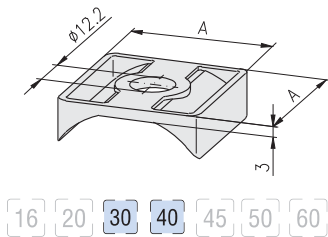
Angled joints at any required angle
 Not suitably for the use with tilted hand rails



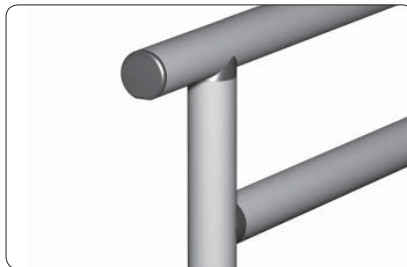
Working dimensions for hand rail straight with radius compensation

Technical data

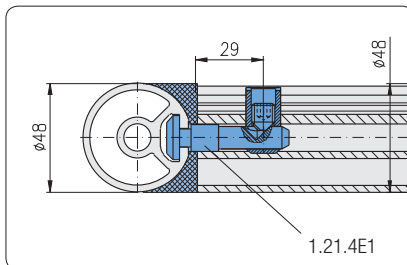
material: PA-GF



Description	AxA	Colour	Weight	Article-No.
Radius compensations	30x30	grey	4.0 g	1.43.71030030.1
Radius compensations	30x30	black	4.0 g	1.43.71030030.2
Radius compensations	40x40	grey	7.0 g	1.43.71040040.1
Radius compensations	40x40	black	7.0 g	1.43.71040040.2



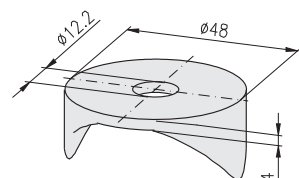
Post: Profile Ø48



Working dimensions for hand rail straight with radius compensation

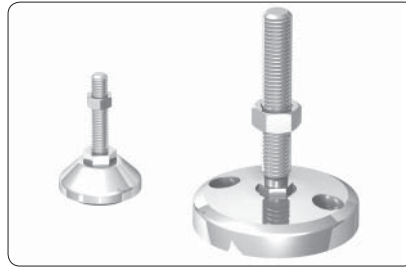
Technical data

material: PA-GF



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



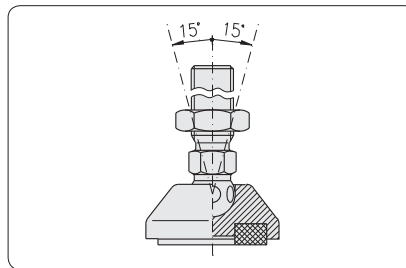
Fastening in core hole thread M14



Fastening with base plate, for profiles without centric core hole



Fastening by press-fit threaded insert across the profile

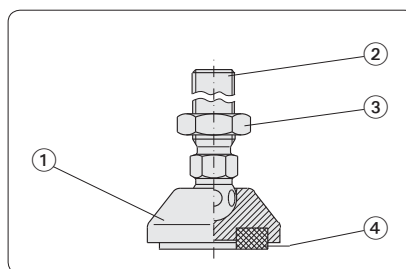


Levelling via ball and ball socket $\pm 15^\circ$

Comments

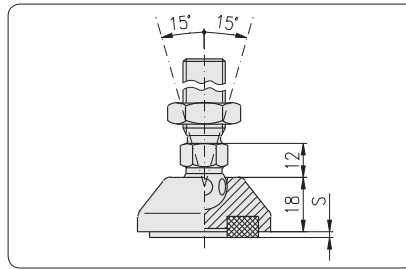
Infinitely variable adjustable tilt-feet for use either with:

- 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
stainless steel
without mounting holes**



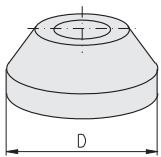
Design without mounting holes

Technical data

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

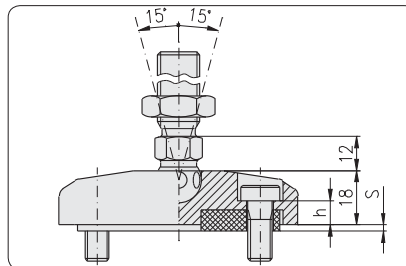
S = height of:

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



Description	D	F	Weight	Article-No.
Adjustable tilt-foot plate, 30	Ø29	20 kN	62 g	1.44.431030V
Adjustable tilt-foot plate, 40	Ø39	30 kN	99 g	1.44.431040V
Adjustable tilt-foot plate, 45	Ø44	30 kN	123 g	1.44.431045V
Adjustable tilt-foot plate, 50	Ø49	35 kN	158 g	1.44.431050V
Adjustable tilt-foot plate, 60	Ø59	35 kN	218 g	1.44.431060V
Adjustable tilt-foot plate, 80	Ø79	35 kN	380 g	1.44.431080V
Adjustable tilt-foot plate, 100	Ø99	40 kN	605 g	1.44.431100V
Adjustable tilt-foot plate, 120	Ø119	40 kN	844 g	1.44.431120V

**Adjustable tilt-foot plates
stainless steel
with mounting holes**



Design with mounting holes

Technical data

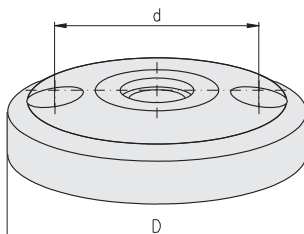
material: stainless steel 1.4305
pickled and passivated
F = static load max. in kN

Comments

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

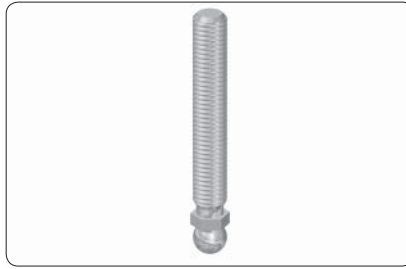
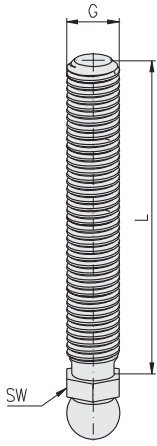
S = height of:

- 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	11.0	Ø54	30 kN	354 g	1.44.432080V
Adjustable tilt-foot plate stainl., 100	Ø99	11.0	Ø74	40 kN	587 g	1.44.432100V
Adjustable tilt-foot plate stainl., 120	Ø119	11.0	Ø94	40 kN	830 g	1.44.432120V

**Adjustable tilt-foot spindles
stainless steel**

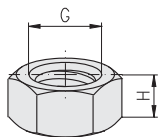


Technical data

material: stainless steel 1.4305,
pickled and passivated

Description	G × L	SW	Weight	Article-No.
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
stainless steel**

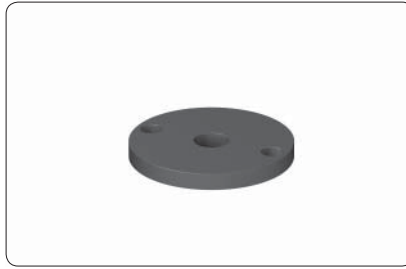


Technical data

material: stainless steel 1.4305,
pickled and passivated

Description	G	H	Weight	Article-No.
Adjustable tilt-foot nut, stainless	M14	8	16 g	1.44.46M14V

Adjustable tilt-foot anti-slip discs

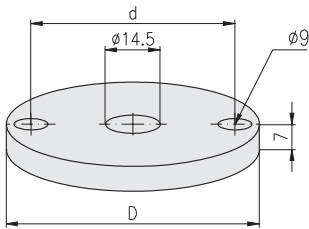
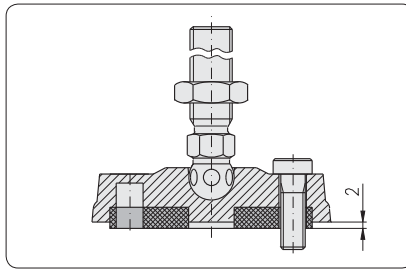


Application

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

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

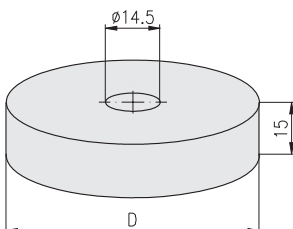
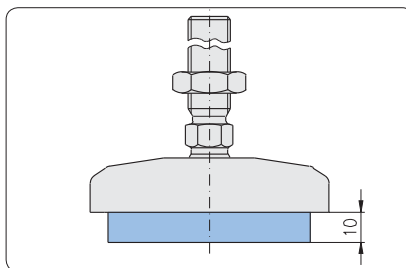


Application

Cushion elements

Technical data

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



Description

Description	D	F	Weight	Article-No.
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

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