




# TECHNICAL DATA

Profiles of the VARIOProfile system modular set help you to assemble constructions cleanly and quickly without any further surface treatment. The profiles surface is permanently scratchproof and corrosion-protected due to an anodised surface.

Series		
Series 8	Series 6	Series 5
Groove with 8 mm Grid dimension 40 mm	Groove with 6 mm Grid dimension 30 mm	Groove with 5 mm Grid dimension 20 mm
		



# Aluminium profiles extruded

Abbreviation	Al Mg Si 0,5 F25
Material number	3.3206.72
Condition	cured
Tensile strength Rm	min. 245 N/mm <sup>2</sup>
0.2-limit Rp 0.2	min. 195 N/mm <sup>2</sup>
Density	2,7 kg/dm <sup>3</sup>
Elongation at break A <sub>5</sub>	min. 10%
Elongation at break A <sub>10</sub>	min. 8%
Lin. expansion coefficient	23,6x10 <sup>-6</sup> 1/K
Elastic modulus E	ca. 70.000 N/mm <sup>2</sup>
Shear modulus G	ca. 25.000 N/mm <sup>2</sup>
Hardness	ca. 75 HB

## Tolerance

Form deviations and straightness and level tolerance as per DIN EN 12020 Part 2

## Surface

Natural colours anodised CO

## Allowed load on the T-slots

Profiles 5		500 N
Profiles 6	light	500 N
Profiles 6	heavy	1.750 N
Profiles 8	economy	1.750 N
Profiles 8	light	2.500 N
Profiles 8	heavy	5.000 N

## Tolerance of external dimensions and T-slots positions


Profile length	Tolerance
to 40 mm	0,2 mm
to 80 mm	0,4 mm
to 120 mm	0,5 mm
to 160 mm	0,8 mm












# PROFILES

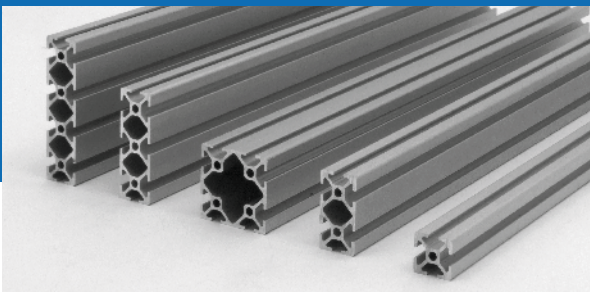
PROFILES 5											
ITEM	A	m	$W_x$	$W_y$	$I_x$	$I_y$	$I_t$	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>3</sup> ]	[cm <sup>3</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	
	The small structure of profile 5 makes them especially suitable for smaller and weight-optimised applications. The T-slots are designed for screws sized M5.										

Profile 5 20x10											
	1,29	0,35	0,22	0,53	0,12	0,53	0,07	A	3.000	3.000	
Order no.	<b>P5-20x10</b>										


Profile 5 20x20											
	1,80	0,48	0,73	0,73	0,73	0,73	0,13	A	6.000	3.000 6.000	
Order no.	<b>P5-20x20</b>										



Profile 5 20x20 1N											
	1,85	0,52	0,74	0,74	0,74	0,77	0,20	A	3.000	3.000	
Order no.	<b>P5-20x20-1N</b>										



Profile 5 20x20 2N90											
	1,91	0,54	0,76	0,76	0,78	0,78	0,42	A	3.000	3.000	
Order no.	<b>P5-20x20-2N90</b>										






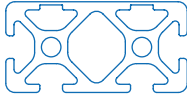
**PROFILES 5**

ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	I <sub>t</sub>	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>2</sup> ]	[cm <sup>2</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	
											

Profile 5 20x20 2N180											
	1,90	0,51	0,74	0,82	0,74	0,82	0,32	A	3.000	3.000	
Order no.	<b>P5-20x20-2N180</b>										


Profile 5 40x10											
	2,39	0,65	0,44	1,81	0,24	3,63	0,27	A	6.000	3.000 6.000	
Order no.	<b>P5-40x10</b>										



Profile 5 40x20											
	3,32	0,89	1,42	2,58	1,41	5,14	0,97	A	6.000	3.000 6.000	
Order no.	<b>P5-40x20</b>										

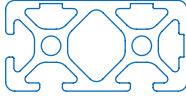
Profile 5 40x20 2N											
	3,37	0,91	1,44	2,60	1,48	5,20	1,48	A	3.000	3.000	
Order no.	<b>P5-40x20-2N</b>										






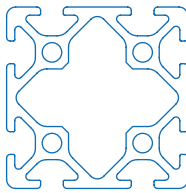
# PROFILES

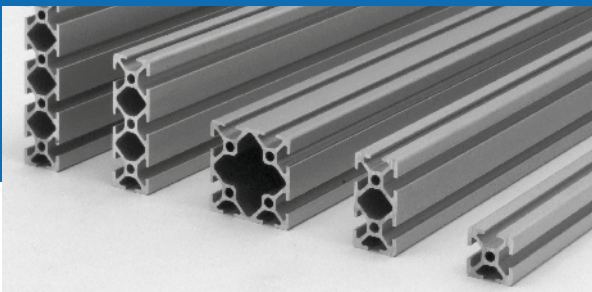
PROFILES 5											
ITEM	A	m	$W_x$	$W_y$	$I_x$	$I_y$	$I_t$	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>3</sup> ]	[cm <sup>3</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	
	The small structure of profile 5 makes them especially suitable for smaller and weight-optimised applications. The T-slots are designed for screws sized M5.										

Profile 5 40x20 2N180											
	3,38	0,91	1,40	2,73	1,41	5,46	1,11	A	3.000	3.000	
Order no.	<b>P5-40x20-2N180</b>										


Profile 5 40x20 3N90											
	3,42	0,92	1,44	2,66	1,48	5,37	1,64	A	3.000	3.000	
Order no.	<b>P5-40x20-3N90</b>										



Profile 5 40x20 4N180											
	3,46	0,93	1,56	2,65	1,56	5,30	2,17	A	3.000	3.000	
Order no.	<b>P5-40x20-4N180</b>										


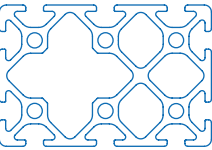
Profile 5 40x40											
	5,14	1,39	4,66	4,66	9,31	9,31	5,42	B	6.000	3.000 6.000	
Order no.	<b>P5-40x40</b>										







**PROFILES 5**

ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	I <sub>t</sub>	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>2</sup> ]	[cm <sup>2</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	
											

Profile 5 60x20											
	4,76	1,28	2,06	5,36	2,06	16,09	1,54	B	6.000	3.000 6.000	
Order no.	<b>P5-60x20</b>										


Profile 5 60x40											
	7,67	2,07	6,76	9,09	13,52	28,14	8,15	B	6.000	3.000 6.000	
Order no.	<b>P5-60x40</b>										



Profile 5 80x20											
	6,19	1,67	2,71	9,01	2,71	36,07	2,38	B	6.000	3.000 6.000	
Order no.	<b>P5-80x20</b>										


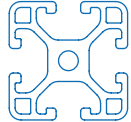
Profile 5 R20-90°											
	1,71	0,46	0,53	0,53	0,58	0,58	0,41	A	3.000	3.000	
Order no.	<b>P5-R20-90</b>										






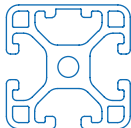
# PROFILES

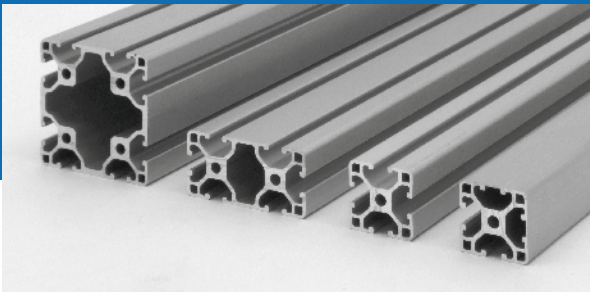
PROFILES 6											
ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	I <sub>t</sub>	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>3</sup> ]	[cm <sup>3</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	
	Series 6 makes weight-optimised constructions possible. The T-slots are designed for screws sized M6.										

Profile 6 30x12 light											
	1,58	0,43	0,39	0,98	0,25	1,46	0,11	B	3.000	3.000	
Order no.	<b>P6-30x12-L</b>										

Profile 6 30x30 light											
	3,43	0,93	1,95	1,95	2,91	2,91	0,27	B	6.000	3.000 6.000	
Order no.	<b>P6-30x30-L</b>										

Profile 6 30x30 heavy											
	4,67	1,26	2,78	2,78	4,16	4,16	0,40	B	6.000	3.000 6.000	
Order no.	<b>P6-30x30-S</b>										

Profile 6 30x30 1N light											
	3,49	0,94	1,94	1,98	2,91	3,01	0,73	B	6.000	3.000 6.000	
Order no.	<b>P6-30x30-1N-L</b>										



**PROFILES 6**

ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	I <sub>t</sub>	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>2</sup> ]	[cm <sup>2</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	

Profile 6 30x30 2N90 light											
	3,54	0,96	1,93	2,09	3,02	3,02	1,68	B	6.000	3.000 6.000	
Order no.	<b>P6-30x30-2N90-L</b>										


Profile 6 30x30 2N180 light											
	3,54	0,96	1,93	2,09	2,90	3,14	1,41	B	6.000	3.000 6.000	
Order no.	<b>P6-30x30-2N180-L</b>										


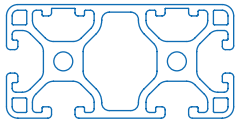
Profile 6 60x30 light											
	6,13	1,65	3,71	7,08	5,55	21,24	3,02	B	6.000	3.000 6.000	
Order no.	<b>P6-60x30-L</b>										


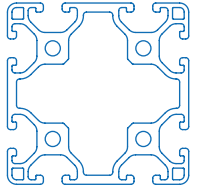
Profile 6 60x30 heavy											
	8,47	2,29	5,28	9,77	7,94	29,32	4,81	B	6.000	3.000 6.000	
Order no.	<b>P6-60x30-S</b>										


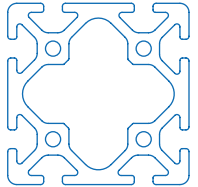




# PROFILES

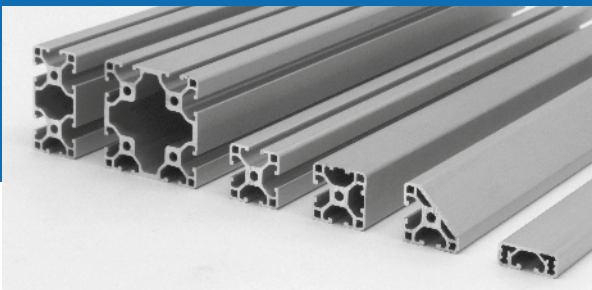
PROFILES 6											
ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	I <sub>t</sub>	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>3</sup> ]	[cm <sup>3</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	
	Series 6 makes weight-optimised constructions possible. The T-slots are designed for screws sized M6.										

Profile 6 60x30 2N light											
	6,24	1,68	3,78	7,16	5,77	21,47	5,32	B	6.000	3.000 6.000	
Order no.	<b>P6-60x30-2N-L</b>										

Profile 6 60x60 light											
	10,01	2,70	13,14	13,14	39,49	39,49	20,43	B	6.000	3.000 6.000	
Order no.	<b>P6-60x60-L</b>										

Profile 6 60x60 heavy											
	13,33	3,61	17,91	17,91	53,76	53,76	29,27	B	6.000	3.000 6.000	
Order no.	<b>P6-60x60-S</b>										

Profile 6 120x30 light											
	11,53	3,11	7,21	25,43	10,80	152,62	9,29	C	6.000	3.000 6.000	
Order no.	<b>P6-120x30-L</b>										



**PROFILES 6**

ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	I <sub>t</sub>	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>2</sup> ]	[cm <sup>2</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	

**Profile 6 120x30 heavy**

	16,00	4,31	10,28	35,16	15,40	210,92	12,23	C	6.000	3.000 6.000	
Order no.	<b>P6-120x30-S</b>										

**Profile 6 120x60 light**

	18,70	5,05	25,54	43,27	76,61	259,65	62,87	C	6.000	3.000 6.000	
Order no.	<b>P6-120x60-L</b>										

**Profile 6 120x60 heavy**


	24,84	6,71	34,20	57,91	102,65	347,58	84,85	C	6.000	3.000 6.000	
Order no.	<b>P6-120x60-S</b>										



**Profile 6 30x30-45° light**



	3,12	0,84	1,33	1,33	2,21	2,21	0,72	B	3.000	3.000	
Order no.	<b>P6-30x30-45-L</b>										

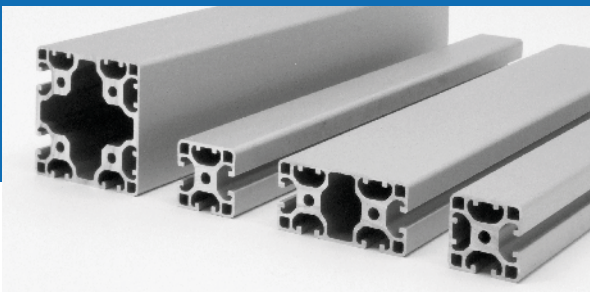


# PROFILES


PROFILES 6											
ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	I <sub>t</sub>	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>3</sup> ]	[cm <sup>3</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	
	Series 6 makes weight-optimised constructions possible. The T-slots are designed for screws sized M6.										


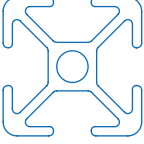
Profile 6 R30-90° light											
	3,07	0,83	1,32	1,32	2,16	2,16	0,83	B	3.000	3.000	
	Order no.	<b>P6-R30-90-L</b>									



Profile 6 R30/60-45°											
	4,52	1,22	2,42	2,31	5,81	4,15	3,93	B	6.000	3.000 6.000	
	Order no.	<b>P6-R30/60-45</b>									






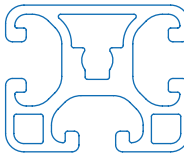
**PROFILES 8**

ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	I <sub>t</sub>	Saw cut	Cut max.	Rods	Drawing
	[ cm <sup>2</sup> ]	[ kg/m ]	[ cm <sup>2</sup> ]	[ cm <sup>2</sup> ]	[ cm <sup>4</sup> ]	[ cm <sup>4</sup> ]	[ cm <sup>4</sup> ]	[ type ]	[ mm ]	[ mm ]	
	Series 8 is suitable for all types of constructions and applications. Different profile types and sizes help to optimally manage the use of materials. The T-slots are designed for screws sized M8.										

Profile 8 30x30											
	3,43	0,89	1,80	1,80	2,70	2,70	0,27	B	6.000	3.000 6.000	
Order no.	<b>P8-30x30</b>										

Profile 8 40x16 E											
	2,40	0,64	0,81	1,83	0,65	3,66	0,35	B	3.000	3.000	
Order no.	<b>P8-40x16-E</b>										


Profile 8 40x16 heavy											
	4,24	1,13	1,22	3,44	1,04	6,89	1,09	B	6.000	3.000 6.000	
Order no.	<b>P8-40x16-S</b>										


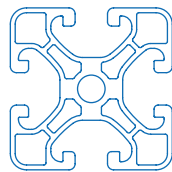
Profile 8 40x32 light											
	4,90	1,32	3,10	3,52	5,00	7,03	1,20	B	6.000	3.000 6.000	
Order no.	<b>P8-40x32-L</b>										


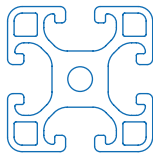




# PROFILES


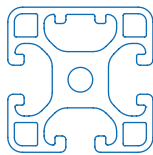
## PROFILES 8

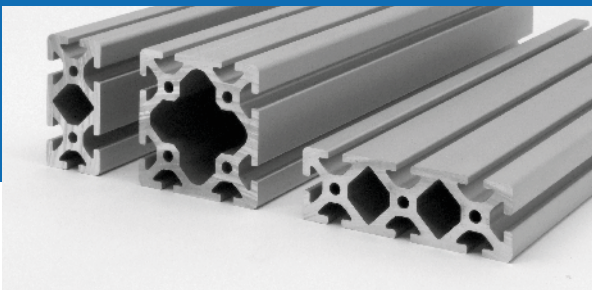
ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	I <sub>t</sub>	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>3</sup> ]	[cm <sup>3</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	
	Series 8 is suitable for all types of constructions and applications. Different profile types and sizes help to optimally manage the use of materials. The T-slots are designed for screws sized M8.										

Profile 8 40x40 E											
	5,07	1,37	3,70	3,70	7,39	7,39	0,99	B	6.000	3.000 6.000	
Order no.	<b>P8-40x40-E</b>										


Profile 8 40x40 light											
	6,57	1,77	4,50	4,50	9,00	9,00	1,12	B	6.000	3.000 6.000	
Order no.	<b>P8-40x40-L</b>										


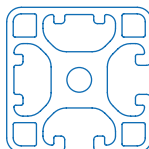
Profile 8 40x40 heavy											
	9,22	2,49	6,96	6,96	13,94	13,94	1,93	B	6.000	3.000 6.000	
Order no.	<b>P8-40x40-S</b>										


Profile 8 40x40 1N light											
	6,61	1,78	4,66	4,50	9,54	9,01	2,99	B	6.000	3.000 6.000	
Order no.	<b>P8-40x40-1N-L</b>										


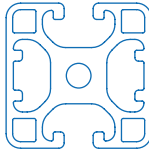



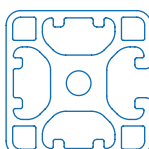
**PROFILES 8**

ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	I <sub>t</sub>	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>2</sup> ]	[cm <sup>2</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	
											

Profile 8 40x40 2N90 light											
	6,80	1,83	4,69	4,69	9,63	9,63	4,91	B	6.000	3.000 6.000	
Order no.	<b>P8-40x40-2N90-L</b>										







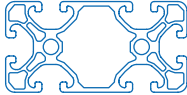

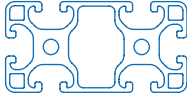
Profile 8 40x40 2N180 E											
	5,00	1,34	4,07	4,83	8,15	8,77	4,64	B	6.000	3.000 6.000	
Order no.	<b>P8-40x40-2N180-E</b>										

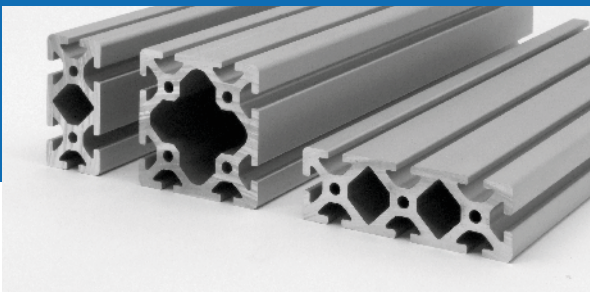
Profile 8 40x40 2N180 light											
	6,77	1,83	5,06	4,52	10,12	9,03	4,88	B	6.000	3.000 6.000	
Order no.	<b>P8-40x40-2N180-L</b>										

Profile 8 40x40 3N light											
	6,96	1,90	4,70	5,11	9,62	10,23	6,95	B	6.000	3.000 6.000	
Order no.	<b>P8-40x40-3N-L</b>										





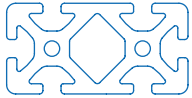
# PROFILES


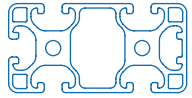
PROFILES 8											
ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	I <sub>t</sub>	Saw cut	Cut max.	Rods	Drawing
	[ cm <sup>2</sup> ]	[ kg/m ]	[ cm <sup>3</sup> ]	[ cm <sup>3</sup> ]	[ cm <sup>4</sup> ]	[ cm <sup>4</sup> ]	[ cm <sup>4</sup> ]	[ type ]	[ mm ]	[ mm ]	
	Series 8 is suitable for all types of constructions and applications. Different profile types and sizes help to optimally manage the use of materials. The T-slots are designed for screws sized M8.										
<b>Profile 8 80x16 E</b>											
	4,98	1,34	1,89	7,83	1,57	31,32	1,62	B	3.000	3.000	
Order no.	<b>P8-80x16-E</b>										
<b>Profile 8 80x16 heavy</b>											
	8,13	2,20	2,69	12,69	2,15	50,76	2,20	B	6.000	3.000 6.000	
Order no.	<b>P8-80x16-S</b>										
<b>Profile 8 80x40 E</b>											
	8,93	2,44	7,61	14,48	15,18	57,84	8,77	B	6.000	3.000 6.000	
Order no.	<b>P8-80x40-E</b>										
<b>Profile 8 80x40 light</b>											
	11,45	3,09	8,32	17,39	16,62	69,56	10,05	B	6.000	3.000 6.000	
Order no.	<b>P8-80x40-L</b>										


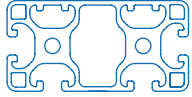


**PROFILES 8**

ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	I <sub>t</sub>	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>2</sup> ]	[cm <sup>2</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	
											

Profile 8 80x40 heavy											
	16,66	4,50	13,46	25,31	26,89	101,21	20,84	B	6.000	3.000 6.000	
Order no.	<b>P8-80x40-S</b>										


Profile 8 80x40 1N light											
	11,53	3,11	8,46	17,81	16,92	72,13	12,07	B	6.000	3.000 6.000	
Order no.	<b>P8-80x40-1N-L</b>										

Profile 8 80x40 2N light											
	11,60	3,13	8,62	17,71	17,72	70,86	18,51	B	6.000	3.000 6.000	
Order no.	<b>P8-80x40-2N-L</b>										





# PROFILES


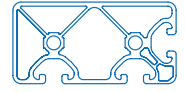
## PROFILES 8

ITEM	A	m	$W_x$	$W_y$	$I_x$	$I_y$	$I_t$	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>2</sup> ]	[cm <sup>2</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	
	Series 8 is suitable for all types of constructions and applications. Different profile types and sizes help to optimally manage the use of materials. The T-slots are designed for screws sized M8.										


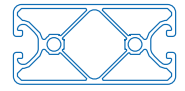
### Profile 8 80x40 2N180 E

	8,44	2,28	7,93	13,63	15,85	54,51	21,82	B	6.000	3.000 6.000	
Order no.	<b>P8-80x40-2N180-E</b>										


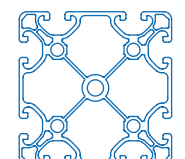
### Profile 8 80x40 3N90 E

	8,24	2,21	7,50	13,38	15,32	54,68	16,53	B	6.000	3.000 6.000	
Order no.	<b>P8-80x40-3N90-E</b>										

### Profile 8 80x40 4N180 E

	8,04	2,17	7,56	13,85	15,12	55,41	21,90	B	6.000	3.000 6.000	
Order no.	<b>P8-80x40-4N180-E</b>										

### Profile 8 80x80 E

	15,11	4,37	25,82	25,82	103,31	103,31	50,93	C	6.000	3.000 6.000	
Order no.	<b>P8-80x80-E</b>										



PROFILES 8											
ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	I <sub>t</sub>	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>3</sup> ]	[cm <sup>3</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	


Profile 8 80x80 light											
	19,49	5,26	33,48	33,48	134,03	134,03	82,91	C	6.000	3.000 6.000	
Order no.	<b>P8-80x80-L</b>										


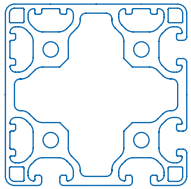
Profile 8 80x80 heavy											
	26,66	7,19	46,89	46,89	187,65	187,65	139,98	C	6.000	3.000 6.000	
Order no.	<b>P8-80x80-S</b>										



Profile 8 80x80 2N light											
	20,08	5,42	34,25	33,68	139,10	135,10	104,97	C	6.000	3.000 6.000	
Order no.	<b>P8-80x80-2N-L</b>										


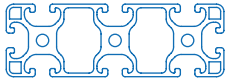




# PROFILES

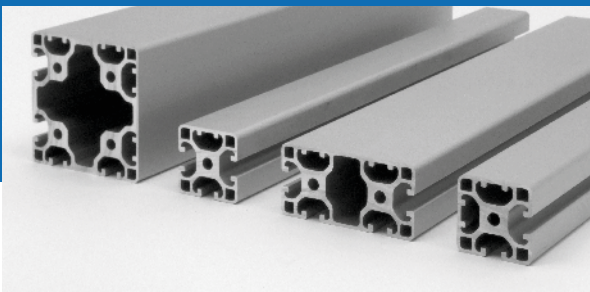
PROFILES 8											
ITEM	A	m	$W_x$	$W_y$	$I_x$	$I_y$	$I_t$	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>2</sup> ]	[cm <sup>3</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	
	Series 8 is suitable for all types of constructions and applications. Different profile types and sizes help to optimally manage the use of materials. The T-slots are designed for screws sized M8.										

Profile 8 80x80 4N90 light											
	20,39	5,50	34,24	34,24	139,10	139,10	122,46	C	6.000	3.000 6.000	
Order no.	<b>P8-80x80-4N90-L</b>										

Profile 8 120x16 E											
	6,97	1,95	2,77	14,59	2,31	87,54	2,69	C	6.000	3.000 6.000	
Order no.	<b>P8-120x16-E</b>										

Profile 8 120x40 light											
	16,12	4,35	12,11	36,76	24,22	220,54	18,14	C	6.000	3.000 6.000	
Order no.	<b>P8-120x40-L</b>										

Profile 8 120x40 heavy											
	24,38	6,58	19,90	53,77	39,80	322,66	35,15	C	6.000	3.000 6.000	
Order no.	<b>P8-120x40-S</b>										



PROFILES 8											
ITEM	A	m	$W_x$	$W_y$	$I_x$	$I_y$	$I_t$	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>3</sup> ]	[cm <sup>3</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	

Profile 8 120x80 light											
	30,13	8,13	50,47	68,34	201,89	421,67	128,39	D	6.000	3.000 6.000	
Order no.	<b>P8-120x80-L</b>										







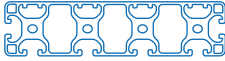

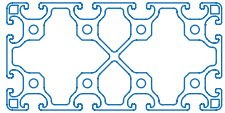
Profile 8 120x80 heavy											
	40,05	10,81	68,71	92,72	274,86	574,86	255,63	D	6.000	3.000 6.000	
Order no.	<b>P8-120x80-S</b>										

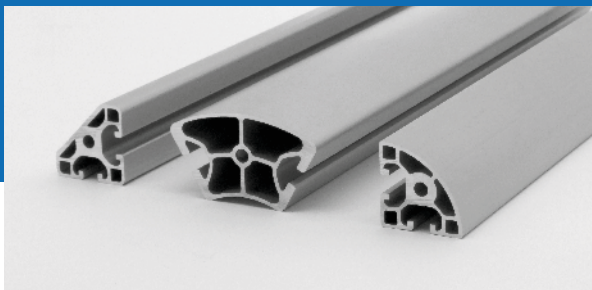
Profile 8 160x16											
	13,88	3,75	4,25	38,48	3,80	307,83	2,37	D	6.000	3.000 6.000	
Order no.	<b>P8-160x16</b>										

Profile 8 160x28 heavy											
	30,93	8,35	14,16	90,47	20,27	723,74	21,81	D	6.000	3.000 6.000	
Order no.	<b>P8-160x28-S</b>										



# PROFILES

PROFILES 8											
ITEM	A	m	$W_x$	$W_y$	$I_x$	$I_y$	$I_t$	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>3</sup> ]	[cm <sup>3</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	
	Series 8 is suitable for all types of constructions and applications. Different profile types and sizes help to optimally manage the use of materials. The T-slots are designed for screws sized M8.										
<b>Profile 8 160x40 light</b>											
	20,90	5,64	15,90	62,54	31,81	500,32	29,19	D	6.000	3.000 6.000	
Order no.	<b>P8-160x40-L</b>										
<b>Profile 8 160x40 heavy</b>											
	32,00	8,64	26,36	92,45	52,72	739,62	51,34	D	6.000	3.000 6.000	
Order no.	<b>P8-160x40-S</b>										
<b>Profile 8 160x40 4N light</b>											
	21,50	5,80	16,52	64,08	33,90	512,66	45,36	D	6.000	3.000 6.000	
Order no.	<b>P8-160x40-4N-L</b>										
<b>Profile 8 160x80 light</b>											
	37,80	10,21	66,77	113,48	267,07	907,88	261,72	D	6.000	3.000 6.000	
Order no.	<b>P8-160x80-L</b>										



**PROFILES 8**

ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	I <sub>t</sub>	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>3</sup> ]	[cm <sup>3</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	


Profile 8 160x80 heavy											
	50,07	13,52	90,22	153,54	360,89	1.228,33	398,58	D	6.000	3.000 6.000	
Order no.	<b>P8-160x80-S</b>										


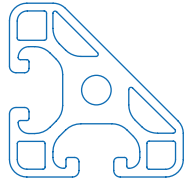
Profile 8 200x28 heavy											
	38,39	10,37	17,74	138,35	25,37	1383,53	22,91	D	6.000	3.000 6.000	
Order no.	<b>P8-200x28-S</b>										



Profile 8 200x40 heavy											
	39,60	10,69	32,81	141,14	65,62	1.411,47	65,05	D	6.000	3.000 6.000	
Order no.	<b>P8-200x40-S</b>										





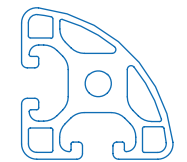
# PROFILES

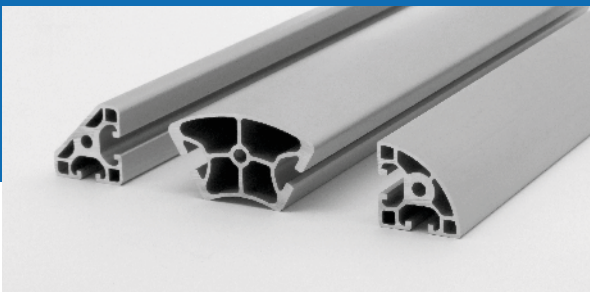
PROFILES 8											
ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	I <sub>t</sub>	Saw cut	Cut max.	Rods	Drawing
	[ cm <sup>2</sup> ]	[ kg/m ]	[ cm <sup>3</sup> ]	[ cm <sup>3</sup> ]	[ cm <sup>4</sup> ]	[ cm <sup>4</sup> ]	[ cm <sup>4</sup> ]	[ type ]	[ mm ]	[ mm ]	
	Series 8 is suitable for all types of constructions and applications. Different profile types and sizes help to optimally manage the use of materials. The T-slots are designed for screws sized M8.										

Profile 8 40x40-45° light											
	5,58	1,50	2,90	2,90	6,50	6,50	2,59	B	6.000	3.000 6.000	
Order no.	<b>P8-40x40-45-L</b>										

Profile 8 40x40-45° heavy											
	7,30	1,97	4,08	4,08	9,39	9,39	2,70	B	6.000	3.000 6.000	
Order no.	<b>P8-40x40-45-S</b>										

Profile 8 80x80-45° light											
	18,86	5,09	24,97	24,97	109,11	109,11	68,71	C	6.000	3.000 6.000	
Order no.	<b>P8-80x80-45-L</b>										

Profile 8 R40-90° light											
	5,72	1,54	3,04	3,04	6,65	6,65	2,93	B	6.000	3.000 6.000	
Order no.	<b>P8-R40-90-L</b>										



PROFILES 8											
ITEM	A	m	$W_x$	$W_y$	$I_x$	$I_y$	$I_t$	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>3</sup> ]	[cm <sup>3</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[type]	[mm]	[mm]	

Profile 8 R40/80-30°											
	6,20	1,67	2,84	3,80	6,42	8,90	3,18	B	6.000	3.000 6.000	
Order no.	<b>P8-R40/80-30</b>										

Profile 8 R40/80-45°											
	10,23	2,67	6,74	6,14	21,33	16,06	12,41	B	6.000	3.000 6.000	
Order no.	<b>P8-R40/80-45</b>										


Profile 8 R40/80-60°											
	10,50	2,83	5,96	11,56	22,64	34,92	19,18	C	6.000	3.000 6.000	
Order no.	<b>P8-R40/80-60</b>										



Profile 8 R40/80-90°											
	15,00	4,05	18,69	18,69	76,25	76,25	45,84	C	6.000	3.000 6.000	
Order no.	<b>P8-R40/80-90</b>										







# PROFILES

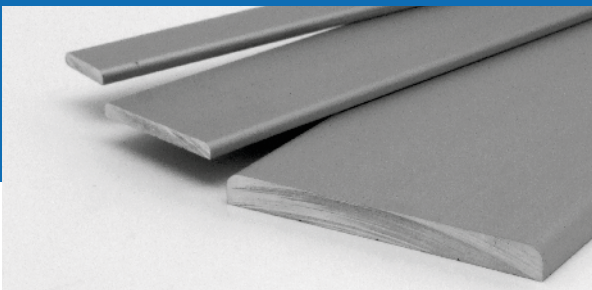
## PROFILES M

ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	R	Saw cut	Cut max.	Rods	Drawing
	[ cm <sup>2</sup> ]	[ kg/m ]	[ cm <sup>3</sup> ]	[ cm <sup>3</sup> ]	[ cm <sup>4</sup> ]	[ cm <sup>4</sup> ]	[ mm ]	[ type ]	[ mm ]	[ mm ]	
	Highly versatile semi-finished products in proven profile design. Radii and profile surface are congruent with the profile of the basic modular set.										


Profile M 20x4 E											
	0,78	0,21	0,24	0,05	0,24	0,01	2,00	A	2.000	2.000	
	Order no.	P-M-20x4-E									

Profile M 40x4 E											
	1,57	0,42	1,03	0,10	2,06	0,02	2,00	A	6.000	2.000 6.000	
	Order no.	P-M-40x4-E									



Profile M 80x8 E											
	6,32	1,70	8,26	0,81	33,05	0,33	4,00	B	6.000	2.000 6.000	
	Order no.	P-M-80x8-E									





**PROFILES MW**

ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	R	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>3</sup> ]	[cm <sup>3</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]	[mm]	[type]	[mm]	[mm]	
	Highly versatile semi-finished products in proven profile design. Radii and profile surface are congruent with the profile of the basic modular set.										


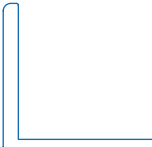
**Profile MW 20x20x4 E**

	1,41	0,38	0,35	0,35	0,48	0,48	2,00	A	6.000	2.000 6.000	
Order no.	<b>P-MW-20x20x4-E</b>										



**Profile MW 40x20x4 E**

	2,21	0,59	0,38	1,40	0,59	3,52	2,00	A	6.000	2.000 6.000	
Order no.	<b>P-MW-40x20x4-E</b>										

**Profile MW 40x40x4 E**


	3,01	0,81	1,58	1,58	4,51	4,51	2,00	B	6.000	2.000 6.000	
Order no.	<b>P-MW-40x40x4-E</b>										


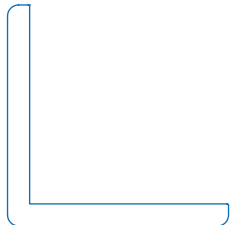
**Profile MW 80x40x8 E**


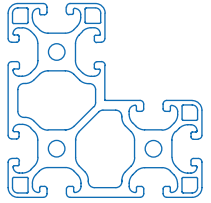
	8,85	2,39	3,12	11,25	9,48	56,54	4,00	B	6.000	2.000 6.000	
Order no.	<b>P-MW-80x40x8-E</b>										

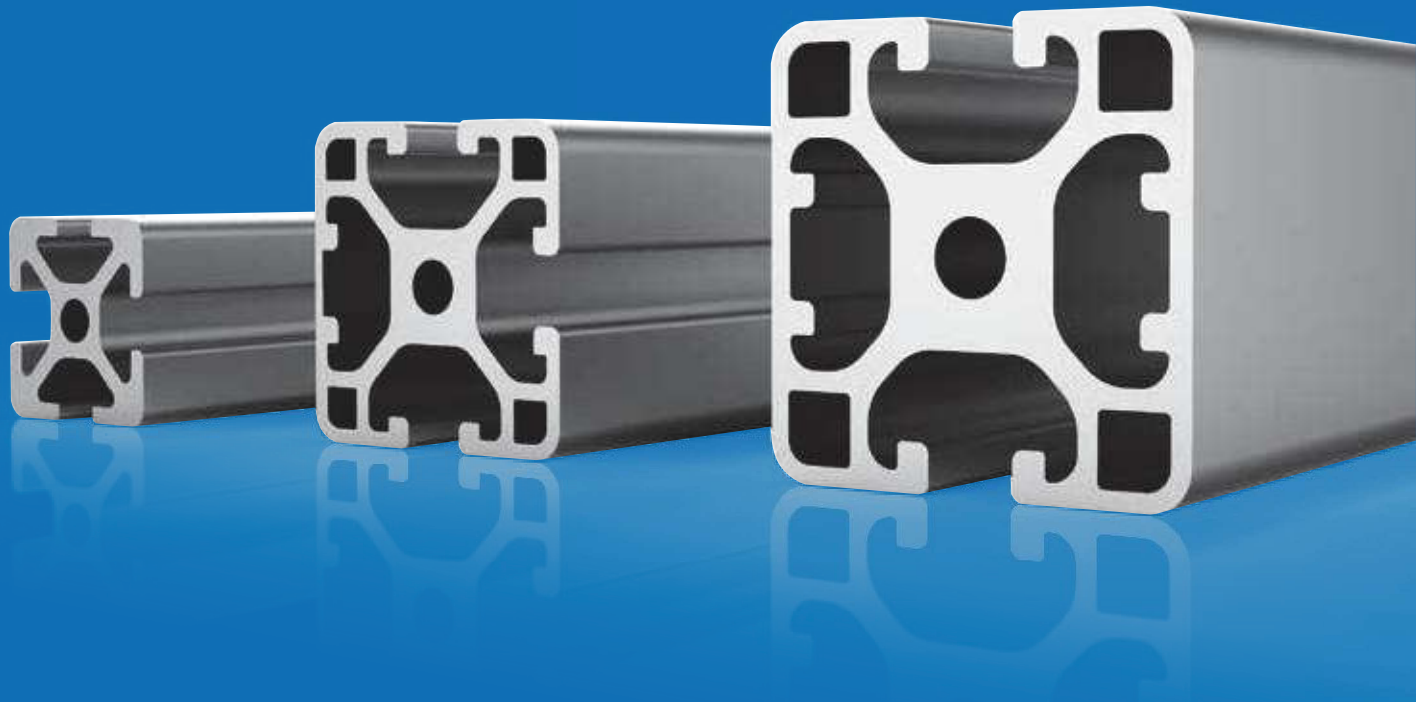


# PROFILES

PROFILES MW											
ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	R	Saw cut	Cut max.	Rods	Drawing
	[ cm <sup>2</sup> ]	[ kg/m ]	[ cm <sup>3</sup> ]	[ cm <sup>3</sup> ]	[ cm <sup>4</sup> ]	[ cm <sup>4</sup> ]	[ mm ]	[ type ]	[ mm ]	[ mm ]	
	Highly versatile semi-finished products in proven profile design. Radii and profile surface are congruent with the profile of the basic modular set.										


Profile MW 80x80x8 E											
	12,05	3,25	12,66	12,66	72,27	72,27	4,00	B	6.000	2.000 6.000	
	Order no.	<b>P-MW-80x80x8-E</b>									


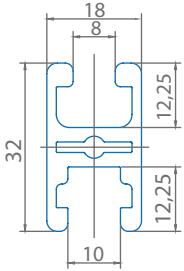
Profile 8 W80x80x40 light											
	17,77	4,79	20,54	20,54	95,35	95,35	31,41	C	6.000	3.000 6.000	
	Order no.	<b>P8-W-80x80x40-L</b>									

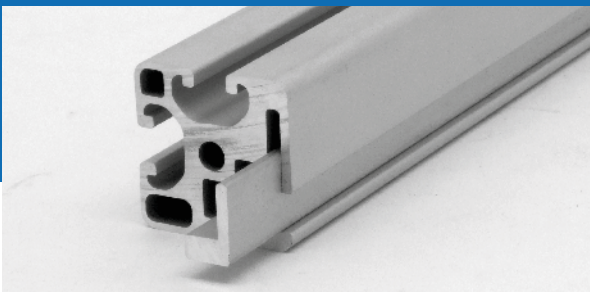




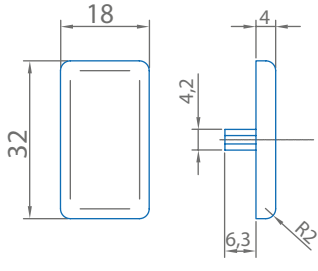

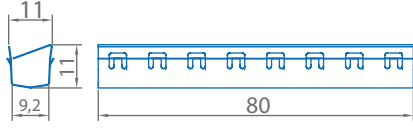

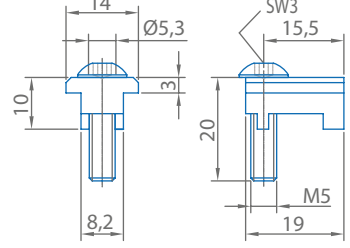

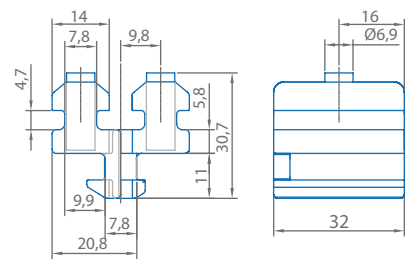


# PROFILES

CLAMP PROFILE 8 32x18											
ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	Material	Saw cut	Cut max.	Rods	Drawing
	[ cm <sup>2</sup> ]	[ kg/m ]	[ cm <sup>3</sup> ]	[ cm <sup>3</sup> ]	[ cm <sup>4</sup> ]	[ cm <sup>4</sup> ]		[ type ]	[ mm ]	[ mm ]	
	<p>The clamp profile 8 32x18 is especially well-suited for the construction of light protection systems and sliding doors. The surface element is fastened in the groove using a clamping spring. For sliding doors in combination with the clamp profile 8 32x18, the sliding-door guide set 8/8 is used. One guide set is required per door. It is attached by snapping the spring bolt into the 7,0 mm diameter mounting hole of the clamp profile fastening set 8 32x18.</p> <p>Constructions with door elements of equal size follow this formula for the profile length:</p> $l = \frac{L + 32 \times (n - 1) - 8}{n}$ <p>Side protrusion of the caps of 4 mm has been taken into consideration. The doors may weigh max. 10 kg.</p>										

Clamp profile 8 32x18										
	2,50	0,68	1,12	1,24	1,88	1,12	Al anodised	B	6.000	3.000 6.000
	Order no.	KP8-32x18								
										




ACCESSORIES TO CLAMP PROFILE 8 32x18			
ITEM	Description	Order no.	Drawing
			
<b>Cap 8 32x18, black</b>			
	Material: PA-GF Colour: black m = 2,5 g	<b>AK8-32x18</b>	
<b>Clamp spring 8, stainless</b>			
	Material: St, stainless m = 4,5 g	<b>KF-8</b>	
<b>Clamp profile fastening set 8 32x18, galvanised</b>			
	Connector, die-cast zinc, galvanised Button-head screw ISO 7380-M5x20, St, galvanised M = 4,5 Nm m = 12,0 g	<b>KPV-32x18</b>	
<b>Sliding-door guide set 8/8, black</b>			
	4 sliding blocks (2 x right, 2 x left) POM, black Spring bolt, St, galvanised Spring, St, stainless m = 45,5 g	<b>SFS-8/8</b>	


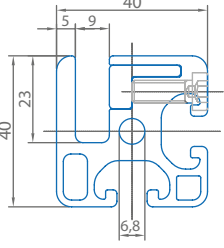


# PROFILES


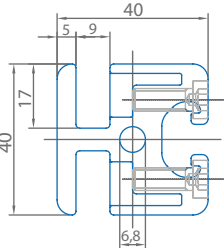
## CLAMP PROFILE HEAVY

ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	Material	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>2</sup> ]	[cm <sup>3</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]		[type]	[mm]	[mm]	
	Clamp profiles are used for the construction of large, stable protection systems. The surface elements are clamped using cylinder screws and profile terminal strips. The stability of the frame element is supported when the surface element is clamped in tightly. Clamp depth: 15 mm (circumferential)										


### Clamp profile 8 40x40

	7,40	2,30	5,93	4,55	11,96	9,58	Al anodised	B	6.000	3.000 6.000	
	Order no.	<b>KP8-40x40</b>									


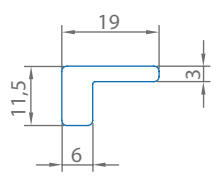
### Clamp profile 8 40x40 180°

	8,38	2,56	5,70	6,20	11,40	13,00	Al anodised	B	6.000	3.000 6.000	
	Order no.	<b>KP8-40x40-180</b>									

## PROFILE STRIP



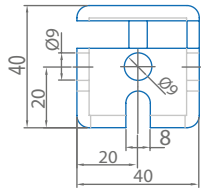
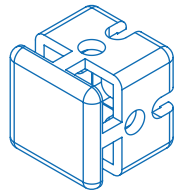
ITEM	A	m	W <sub>x</sub>	W <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>	Material	Saw cut	Cut max.	Rods	Drawing
	[cm <sup>2</sup> ]	[kg/m]	[cm <sup>2</sup> ]	[cm <sup>3</sup> ]	[cm <sup>4</sup> ]	[cm <sup>4</sup> ]		[type]	[mm]	[mm]	
	The profile strip 8 19x11,5 serves as clamp strip in clamping profiles 8 40x40 and 40x40-180° of the heavy version. Furthermore, the profile strip can be used as a semi-finished product for a wide variety of applications.										

### Profile strip 8 19x11,5



	1,14	0,30	0,30	0,17	0,41	0,13	Al anodised	A	6.000	6.000	
	Order no.	<b>PL8-19x11.5</b>									



### CLAMP PROFILE-CROSS CONNECTOR 8 40x40

ITEM	Description	Order no.	Drawing
	<p>The clamp profile-cross connector 8 offers the possibility to connect up to 4 clamp profiles of series 8. It is especially suitable for clippings, openings and inner corners in profile frame constructions made of clamp profile suitable. For mounting, a threaded hole M8x18 is required in each case in the core hole of the frame profiles.</p>		
<p><b>Clamp profile-cross connector 8 40x40</b></p> 	<p>Material: die-cast zinc Colour: RAL 9006 Surface: white aluminium, lacquered a = 15<sup>+1</sup> mm (a = depth of immersion) m = 135,5 g</p>	<p><b>KP-KV8-40x40</b></p>	 

### CLAMP PROFILE-CONNECTOR

ITEM	Description	Order no.	Drawing
	<p>Clamp profile-connector 8 are used for the simple assembly of profile frames, in particular for the construction of frame elements for the construction of e. g. protective fences. The connector is suitable for clamping profiles as well as for standard profiles of the 8 series. It is not necessary to notch areas inserted into the profile grooves. For mounting, a tapped hole M8x18 must be drilled into the core hole of the frame profiles. By means of the additional clamping profile suspensions offered, frame elements can be easily and flexibly integrated into existing designs. 12 mm must be used as the gap dimension between frame and column (measurement tolerances of +/- 3 mm can be balanced). Depending on the arrangement of the suspension brackets, the frame elements can be fixed or detached.</p>		
<p><b>Clamp profile-connector 8 40x40 E</b></p> 	<p>Material: die-cast zinc Colour: RAL 9006 Surface: white aluminium, lacquered m = 203,0 g</p>	<p><b>KPV-40x40-E</b></p>	