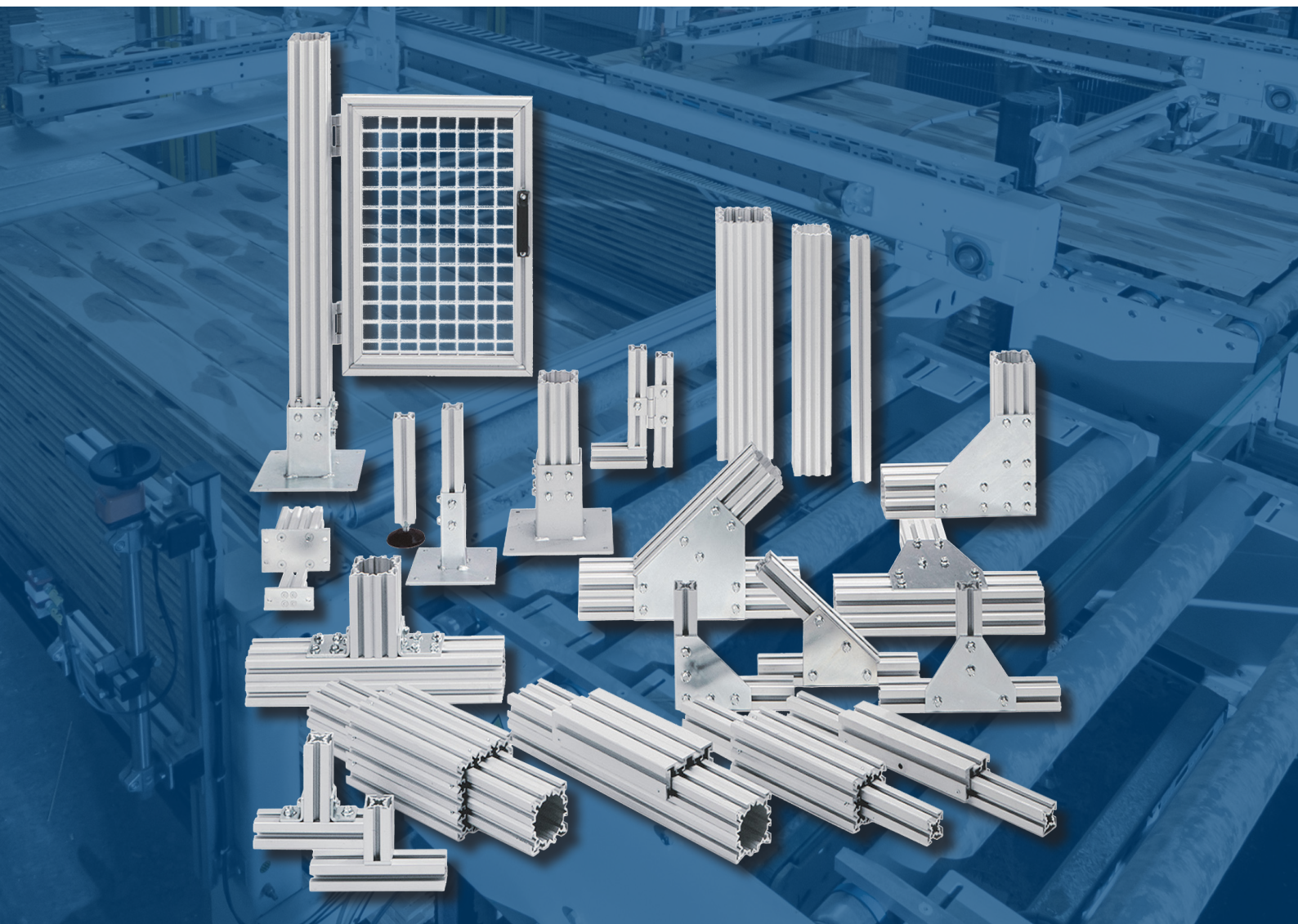




MECHPROFILE[™]

ALUMINIUM PROFILE SYSTEM

TABLE OF CONTENTS

ABOUT MECHPROFILE™	4	FASTENERS	17
Material properties	4	Nuts	17
Temperature and environmental conditions	4	Screws	17
PROFILES AND SLIDES	5	Washers	17
Profiles	5	SLIDING BLOCKS	18
Slides	7	ACCESSORIES	19
MOUNTING PLATES AND GABLES	10		
Mounting plates	10		
Mounting angles	12		
Gables	14		
Feet	15		

Although the greatest care was taken regarding the information in this catalogue, we assume no responsibility for any errors. We reserve the right to make changes. The illustrations in the catalogue represent the described products, but delivered parts may differ in some respects from the illustrations. The right is reserved to make changes in design and dimensions compared with the information in the catalogue in order enable development of designs, material and manufacturing methods.

The customer is reminded that in the purchase of our products for professional use or other, there is supplementary, current information that could not be included in the catalogue in terms of recommendations on each product's suitability regarding different combinations of the comprehensive product line of Movomech.

All relevant information must be provided to the persons who are responsible for the use of the product.

ABOUT MECHPROFILE™

MATERIAL PROPERTIES

Aluminium construction profile

The Mechprofile profiles are made of anodized aluminium and require no maintenance. They are manufactured in EN-AW 6063 T6 aluminium alloy according to SS-EN 755-2:2016, anodized colour C0 (natural).

Density	1,6 kg/m ³
Coefficient of expansion	23*10 ⁻⁶ / °C
E-modulus	70 000 N/mm ²
Shear modulus	27 000 N/mm ²
Tensile strength yield point	200 N/mm ²
Tensile strength break point	230 N/mm ²

TEMPERATURE AND ENVIRONMENTAL CONDITIONS

Temperature and environmental limitations

This product is designed to be used indoors in typical industrial environments such as in the automotive industry production and general manufacturing.

Temperature range +5 to +40 °C.

Atmospheric corrosion category C2.

Noise level < 70dB (A).

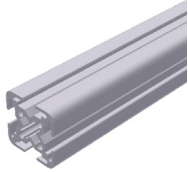
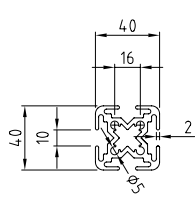
ATEX

This product is not ATEX classified according to the EU directive for equipment in explosive environments.

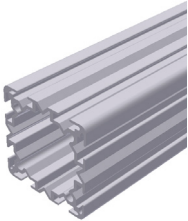
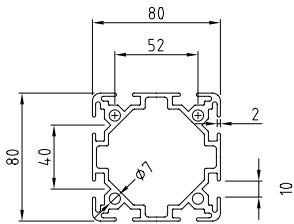
PROFILES AND SLIDES

PROFILES

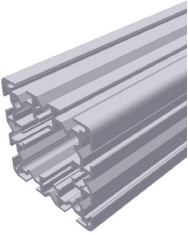
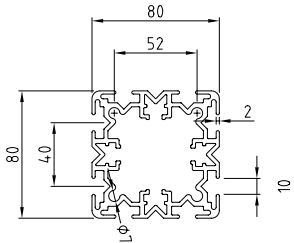
#	Max length [mm]	Weight [kg/m]	$I_x = I_y$ [cm ⁴]	$W_x = W_y$ [cm ³]	Note
MP40					
730103	6000	1,4	8,6	4,3	



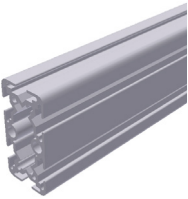
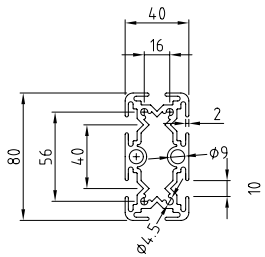
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MP80					
730188	6000	3,6	110,0	27,5	



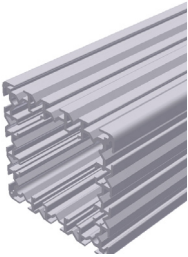
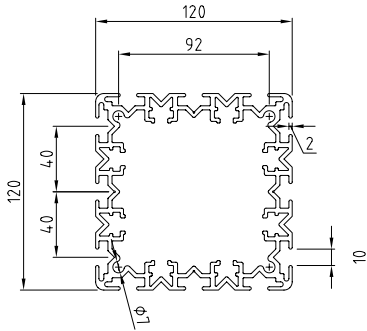
#	Max length [mm]	Weight [kg/m]	$I_x = I_y$ [cm ⁴]	$W_x = W_y$ [cm ³]	Note
MP81					
730184	6000	4,3	118,7	29,7	



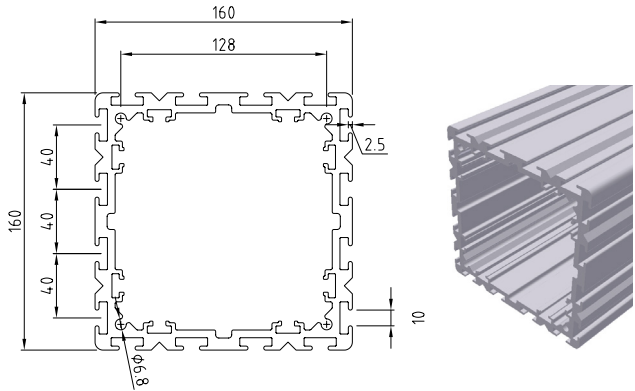
#	Max length [mm]	Weight [kg/m]	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Note
MP84							
730191	6000	2,9	69,0	19,2	17,3	9,6	



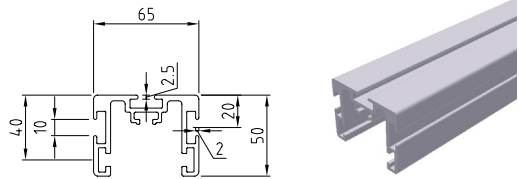
#	Max length [mm]	Weight [kg/m]	$I_x = I_y$ [cm ⁴]	$W_x = W_y$ [cm ³]	Note
MP120					
730112	6000	6,9	480,0	80,0	



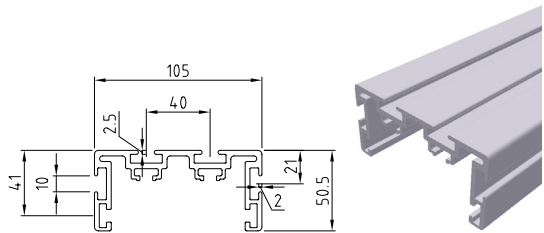
#	Max length [mm]	Weight [kg/m]	$I_x = I_y$ [cm ⁴]	$W_x = W_y$ [cm ³]	Note
MP160					
730166	4000	13,9	1844,0	230,0	



#	Max length [mm]	Weight [kg/m]	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Note
MSP40							
730159	3000	2,2	20,3	47,4	8,1	14,6	



#	Max length [mm]	Weight [kg/m]	I_x [cm ⁴]	I_y [cm ⁴]	W_x [cm ³]	W_y [cm ³]	Note
MSP80							
730183	3000	2,9	26,0	95,0	8,7	19,0	



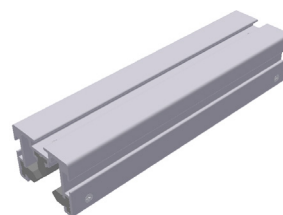
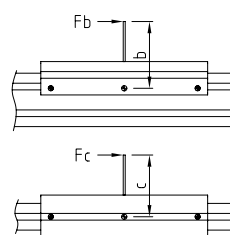
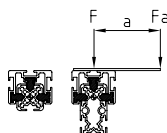
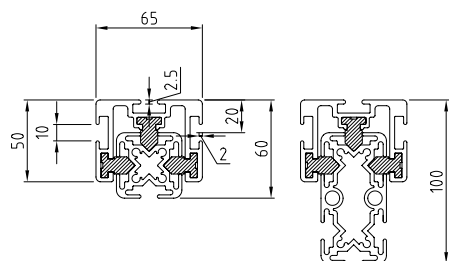
INFORMATION

The profiles can be cut to the desired length at an additional cutting fee.

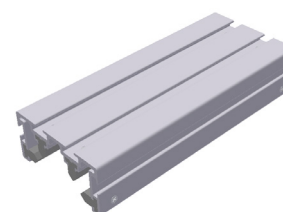
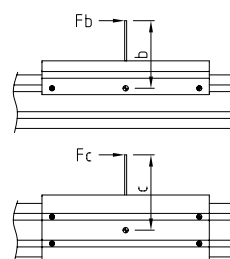
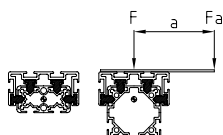
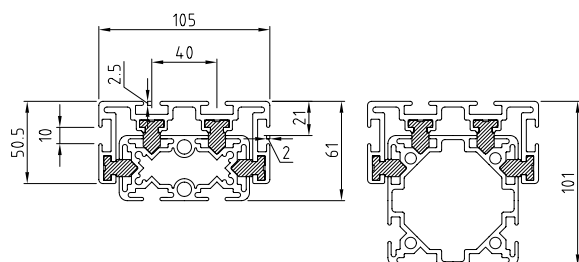
#	Note	
Option		
730690	Cutting fee	State length L

SLIDES

#	Length [mm]	$F_{\max}$ [N]	$M_{a \max}$ [Nm]	$M_{b \max}$ [Nm]	$M_{c \max}$ [Nm]	Note
MS40						
730154	250	2000	25	150	300	Fits MP40, MP84
730155	>100 <250	2000	25	60	120	Fits MP40, MP84
730156	>250 <500	2000	25	150	300	Fits MP40, MP84



#	Length [mm]	$F_{\max}$ [N]	$M_{a \max}$ [Nm]	$M_{b \max}$ [Nm]	$M_{c \max}$ [Nm]	Note
MS80						
730176	250	4000	50	150	300	Fits MP80, MP84
730177	>100 <250	4000	50	60	120	Fits MP80, MP84
730180	>250 <500	4000	50	150	300	Fits MP80, MP84



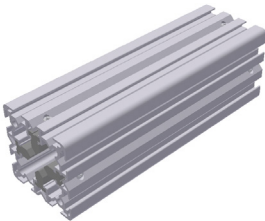
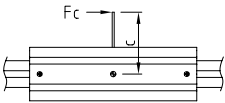
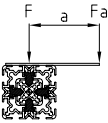
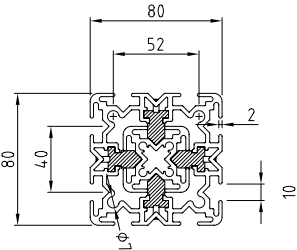
INFORMATION

$$M_{a \max} = Fa \cdot a$$

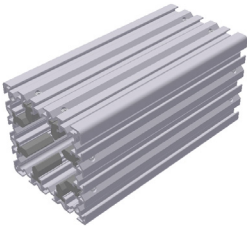
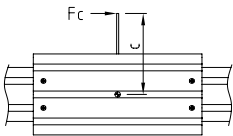
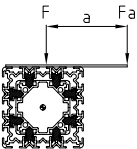
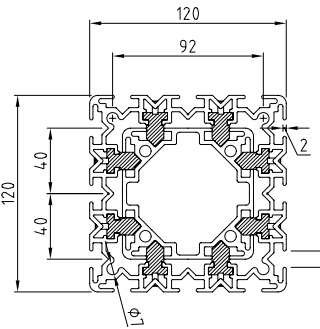
$$M_{b \max} = Fb \cdot b$$

$$M_{c \max} = Fc \cdot c$$

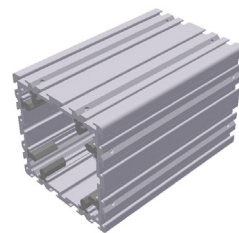
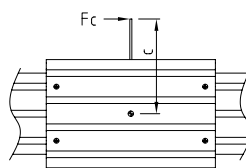
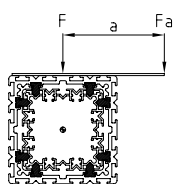
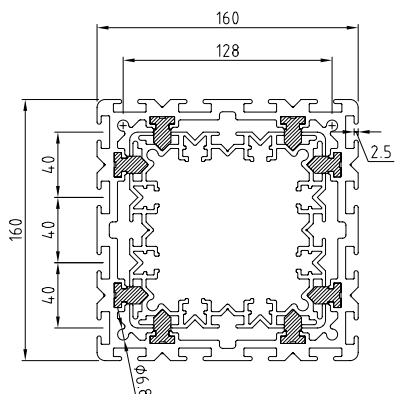
#	Length [mm]	F_{max} [N]	$M_{a\ max}$ [Nm]	$M_{c\ max}$ [Nm]	Note
MS81					
730178	250	2000	50	300	Fits MP40
730179	>100 <250	2000	50	120	Fits MP40
730181	>250 <500	2000	50	300	Fits MP40



#	Length [mm]	F_{max} [N]	$M_{a\ max}$ [Nm]	$M_{c\ max}$ [Nm]	Note
MS120					
730106	250	4000	200	600	Fits MP80, MP81
730107	>100 <250	4000	200	240	Fits MP80, MP81
730110	>250 <500	4000	200	600	Fits MP80, MP81

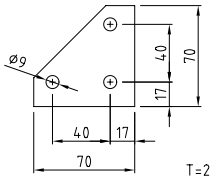


#	Length [mm]	F_{max} [N]	$M_{a\ max}$ [Nm]	$M_{c\ max}$ [Nm]	Note
MS160					
730161	250	4000	350	600	Fits MP120
730162	>100 <250	4000	350	240	Fits MP120
730163	>250 <500	4000	350	600	Fits MP120



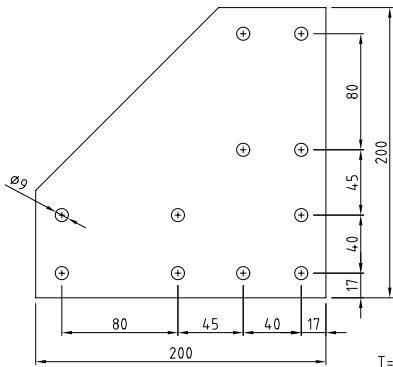
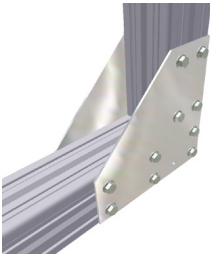
MOUNTING PLATES AND GABLES

MOUNTING PLATES



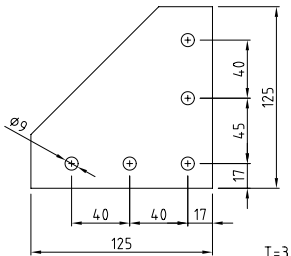
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730150 ML4190



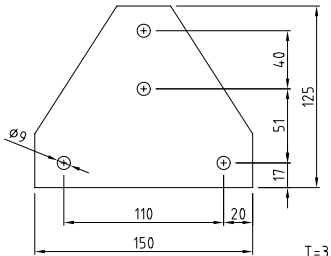
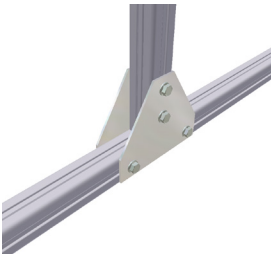
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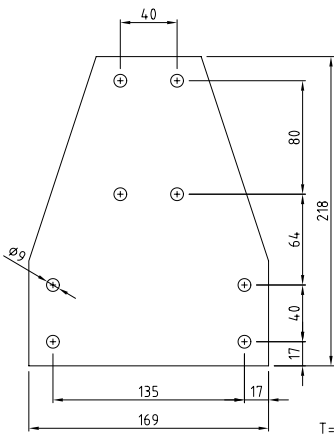
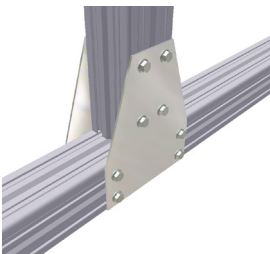
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730153 ML4090



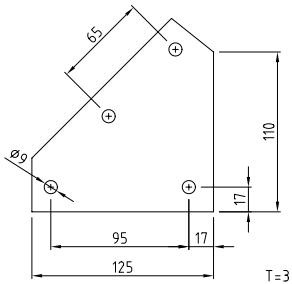
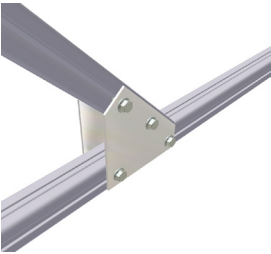
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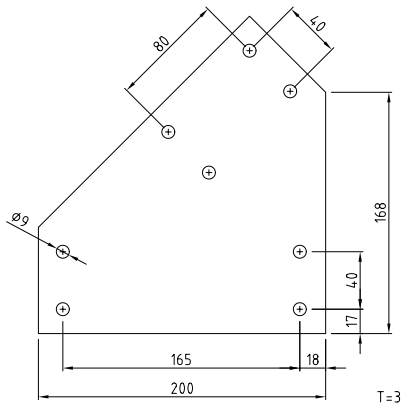
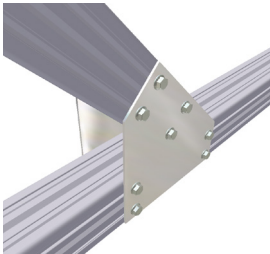
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730173 MT8090



#

730152	MT4045
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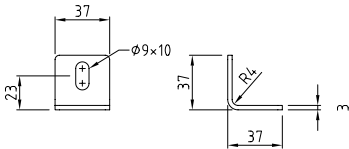
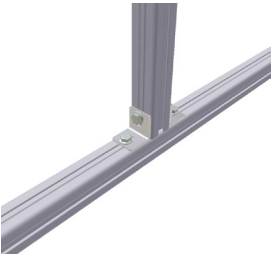
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730174	MT8045
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INFORMATION

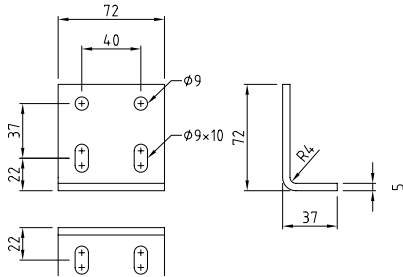
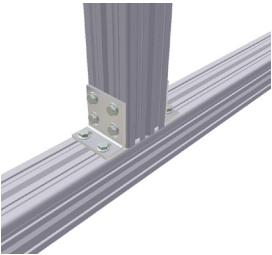
Fasteners are not included, see page 17.

MOUNTING ANGLES



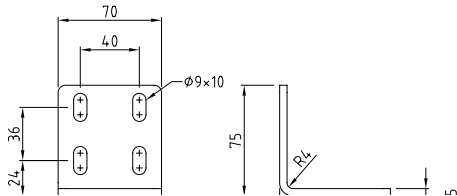
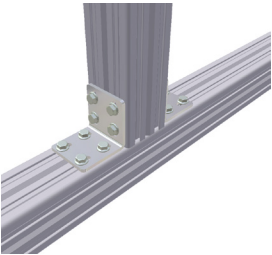
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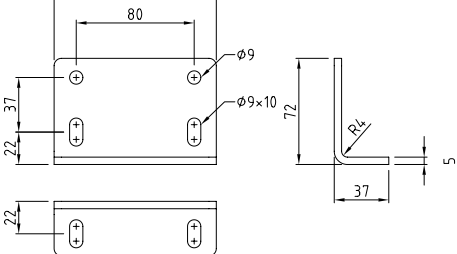
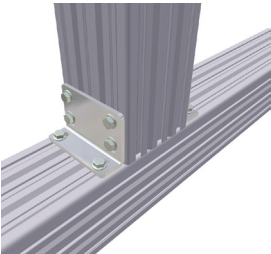
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730168	MV80
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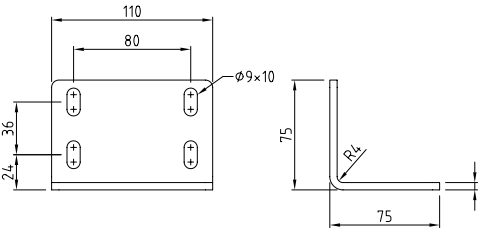
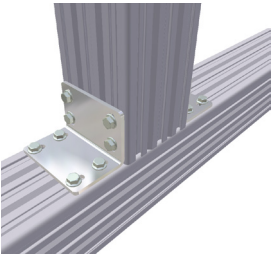


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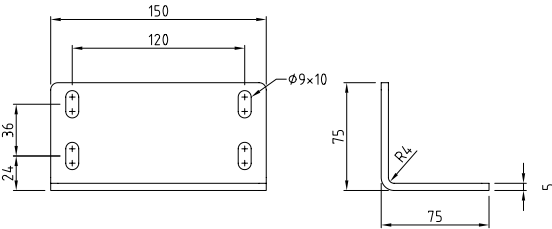
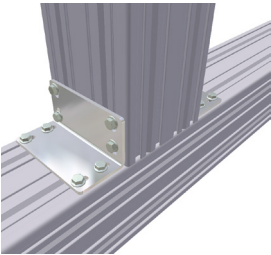
730182	MVL80
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730100 MV120

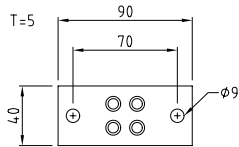


730111 MVL120



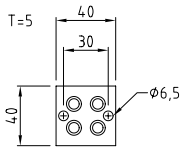
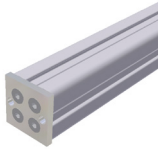
730165 MVL160

GABLES



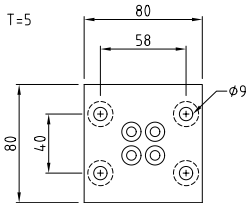
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730146 MGP40



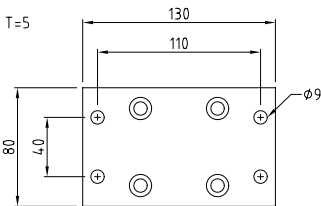
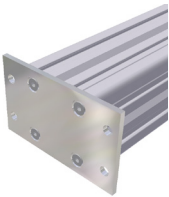
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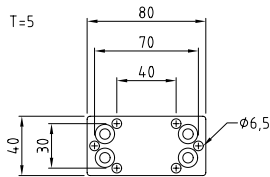
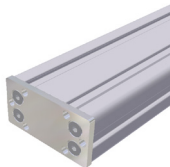
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730157 MFP40



#

730169 MGP80



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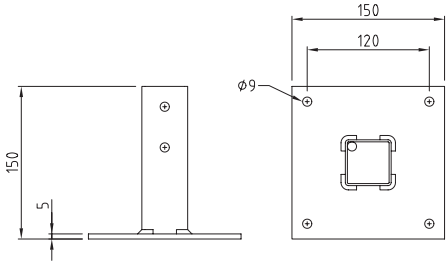
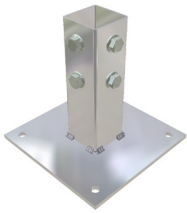
730189 MGP84

INFORMATION

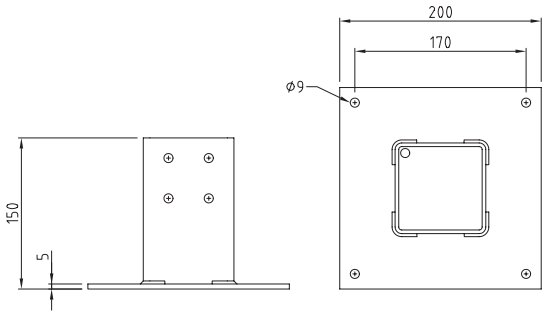
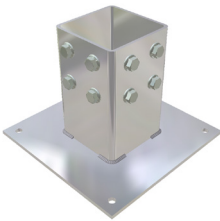
Screws for attachment to profile end are included (4 pcs).
Other fasteners are not included, see page 17.

FEET

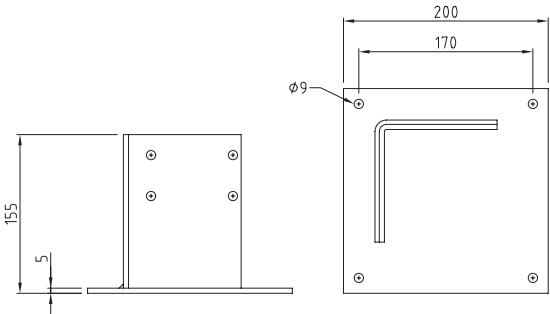
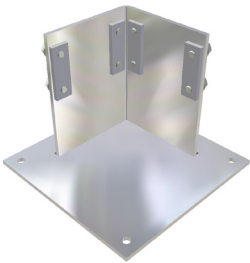
#		Anmärkning
730148	MF40	Fästelement ingår



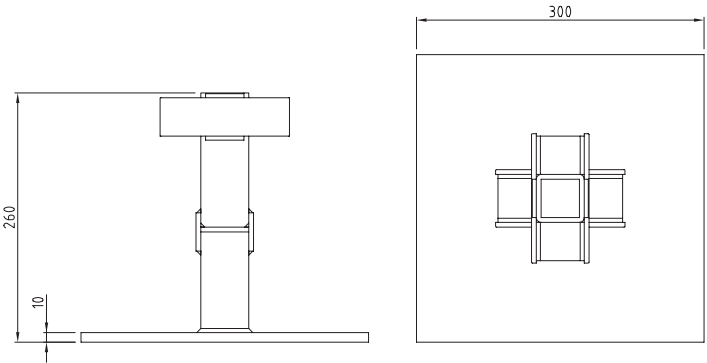
#		Anmärkning
730171	MF80	Fästelement ingår



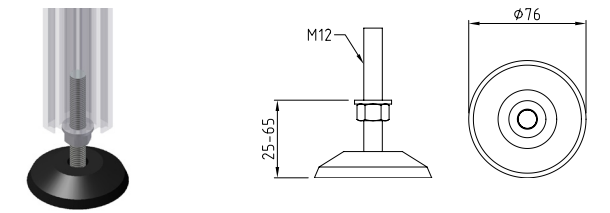
#	
730108	MF120



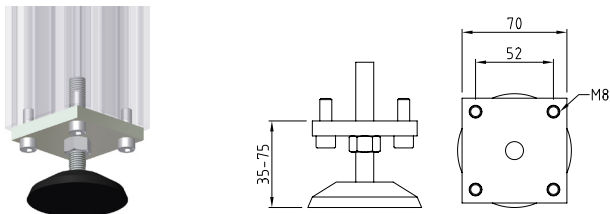
#	
733766	MF160



#
730124 MSF40



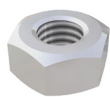
#
730126 MSF80



FASTENERS

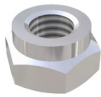
NUTS

Nuts



#	
730215	M8x10
730216	M8x12
730217	M8x14
730218	M8x16
730219	M8x20
730297	M8x40

Locking nuts



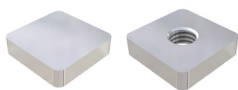
#	
731365	M4
730309	M5
730273	M6
730117	M8
730904	M10
730243	M12

Rhomboid T-slot nuts



#	
730139	M4
730138	M5
730137	M6
730136	M8

T-slot nuts



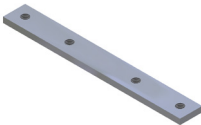
#	
730660	M0
730132	M4
730131	M5
730130	M6
730115	M8

Double T-slot nuts



#		c-c/L [mm]
730728	M6	30/40
730116	M8	40/60
730659	M8	80/100
731379	M8	120/140

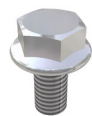
Long T-slots nuts



#		c-c/L [mm]
730214	M8	40-60-40/160

SCREWS

Flange screws



#	
730215	M8x10
730216	M8x12
730217	M8x14
730218	M8x16
730219	M8x20
730297	M8x40

T-slot screws



#	
730114	M8x17
730113	M8x24
732239	M8x35

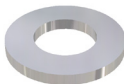
Wood screws



#		[mm]
730737		3,5x12
730738		3,5x16

WASHERS

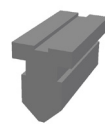
Washers



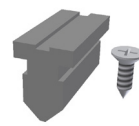
#		[mm]
730276	M4	4,3/8x0,8
730307	M5	5,3/10x1
730268	M6	6,4/12x1,5
730308	M8	8,4/16x1,5
730549	M10	10,5/22x2
730244	M12	13/24x2

SLIDING BLOCKS

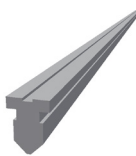
Sliding block - cut

	#		L [mm]
	730735	MK40	30
	730734	MK80	32,5
	730736	MK120	35

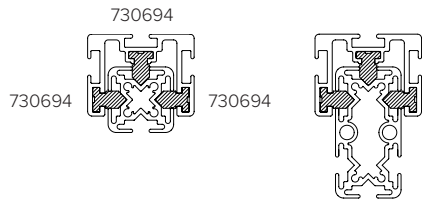
Sliding block incl. screw

	#		[mm]
	730694	MK40	3,5x12
	730697	MK40	3,5x16
	730695	MK80	3,5x12
	730698	MK80	3,5x16
	730696	MK120	3,5x16

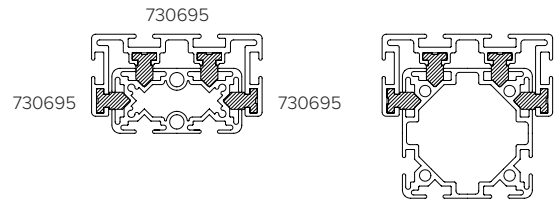
Sliding block - 1 m

	#	
	730133	MK40
	730134	MK80
	730135	MK120

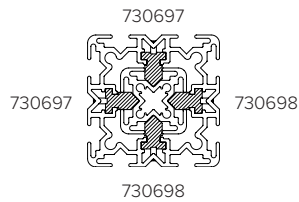
MS40



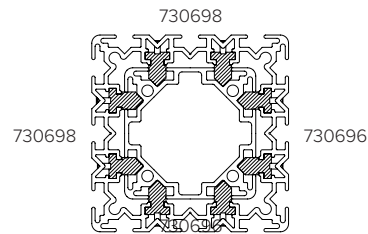
MS80



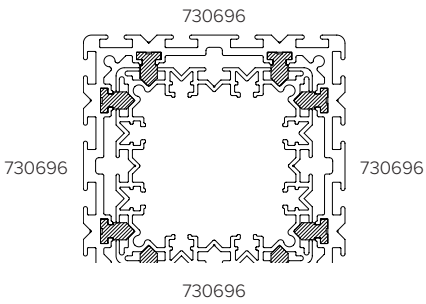
MS81



MS120

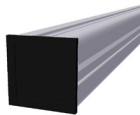


MS160



ACCESSORIES

End cover



#	
730142	MA40
730167	MA80

Locking handle



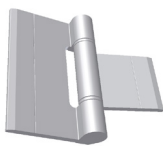
#	
730122	M8x20
730140	M8x40

Handle



#	
730133	MH

Hinge incl. screw



#	
730120	MG

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