

MODULAR SYSTEM



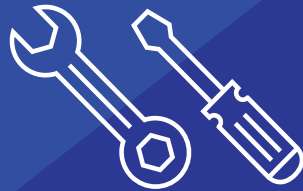
www.lipro.pro

**DESIGN
ASSISTANCE**



**TURNING IDEAS
INTO PRODUCTS**

**GUARANTEE
AND SERVICE**



**Fast and quality
customer service**

**S I N C E
1998**

MODULAR SYSTEM

Aluminium profiles represent today one of the most economic and flexible programmes in producing modular systems. By using these profiles we can bring installation and planning closer together, just like a constructor is assembling constructions made of profiles, connecting elements and numerous accessories in the LIPRO range of products, so does the installer assemble planned constructions.

With the modular system the assembled construction does not need to be welded or painted. Eventual further changes may be implemented quickly due to their simple disassembly. Residual material may be then re-used. LIPRO offers its customers a modern cutting and assembling centre.



Simplifying and improving things ...



PRESENTATION OF LIPRO

The LIPRO systemic solutions provide added value and enable high productivity, flexibility and optimisation of the work processes.



LIPRO was established in 1998 and since then it has been present on the Slovenian, European and global markets. A quality support to our esteemed business partners enabled LIPRO to develop into a recognisable and well-organised production automation company.

CEO
Albert Pribat, Eng.



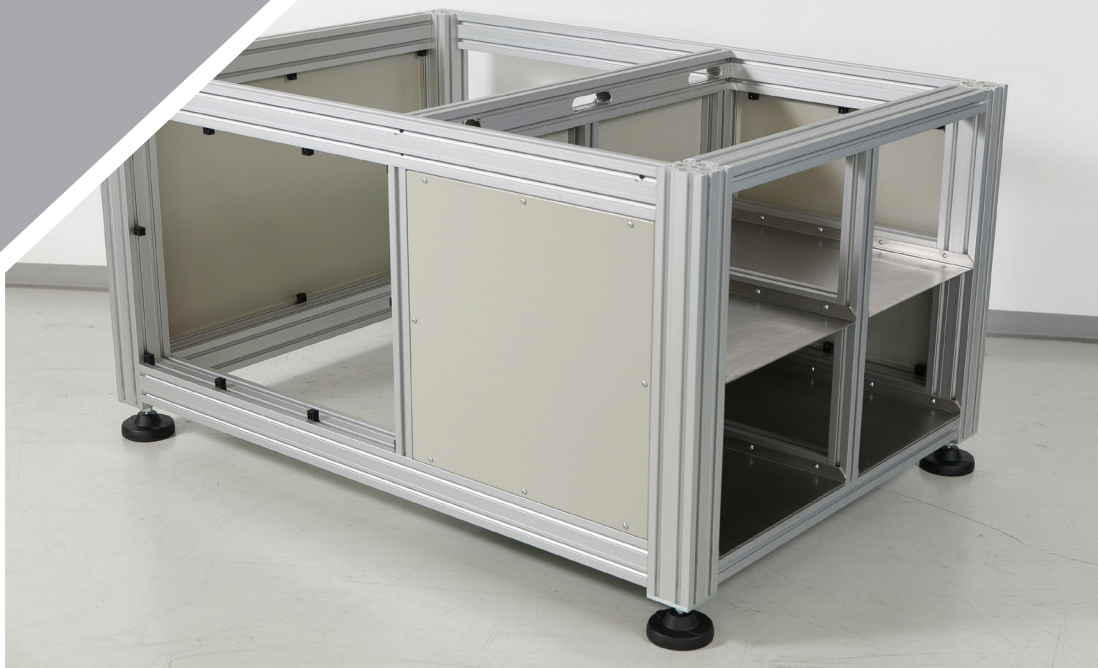


WORK BENCHES



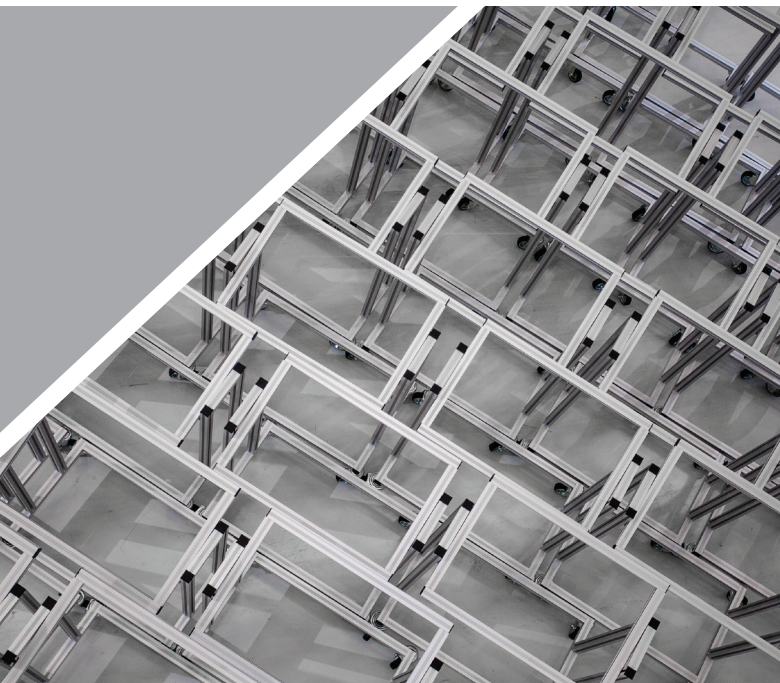


CONSTRUCTIONS





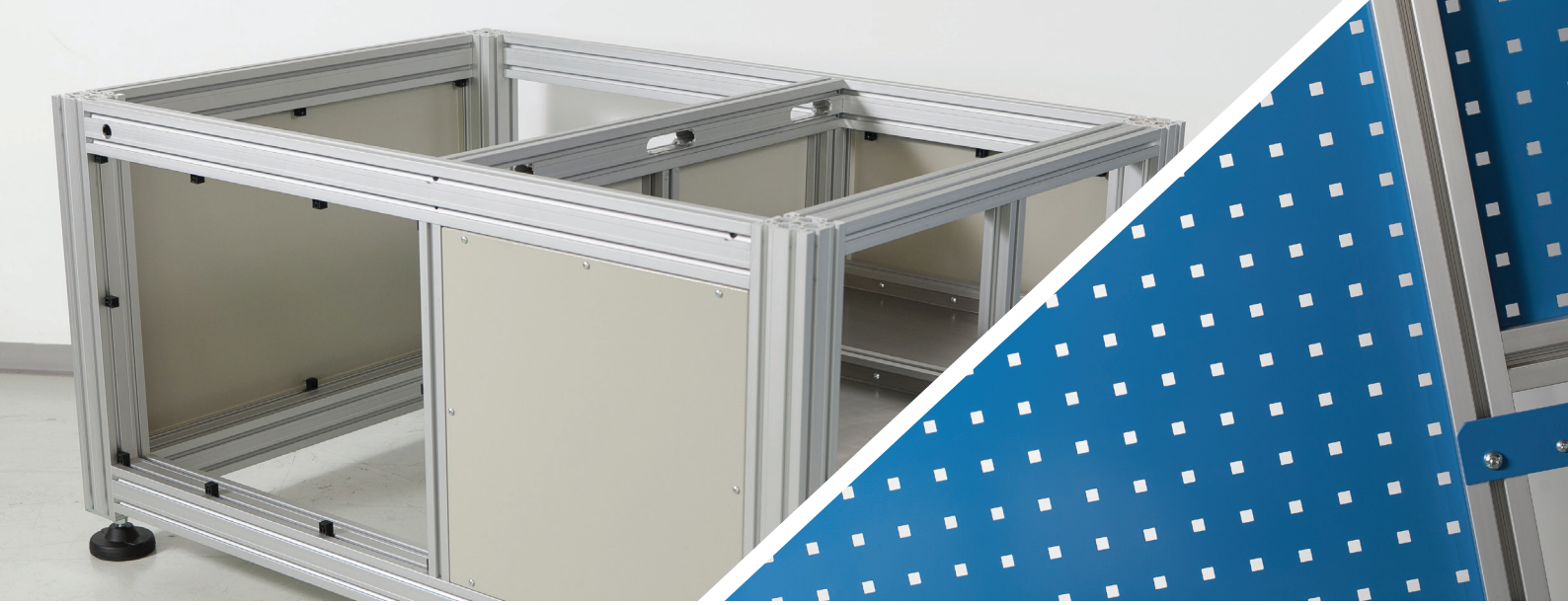
CARTS





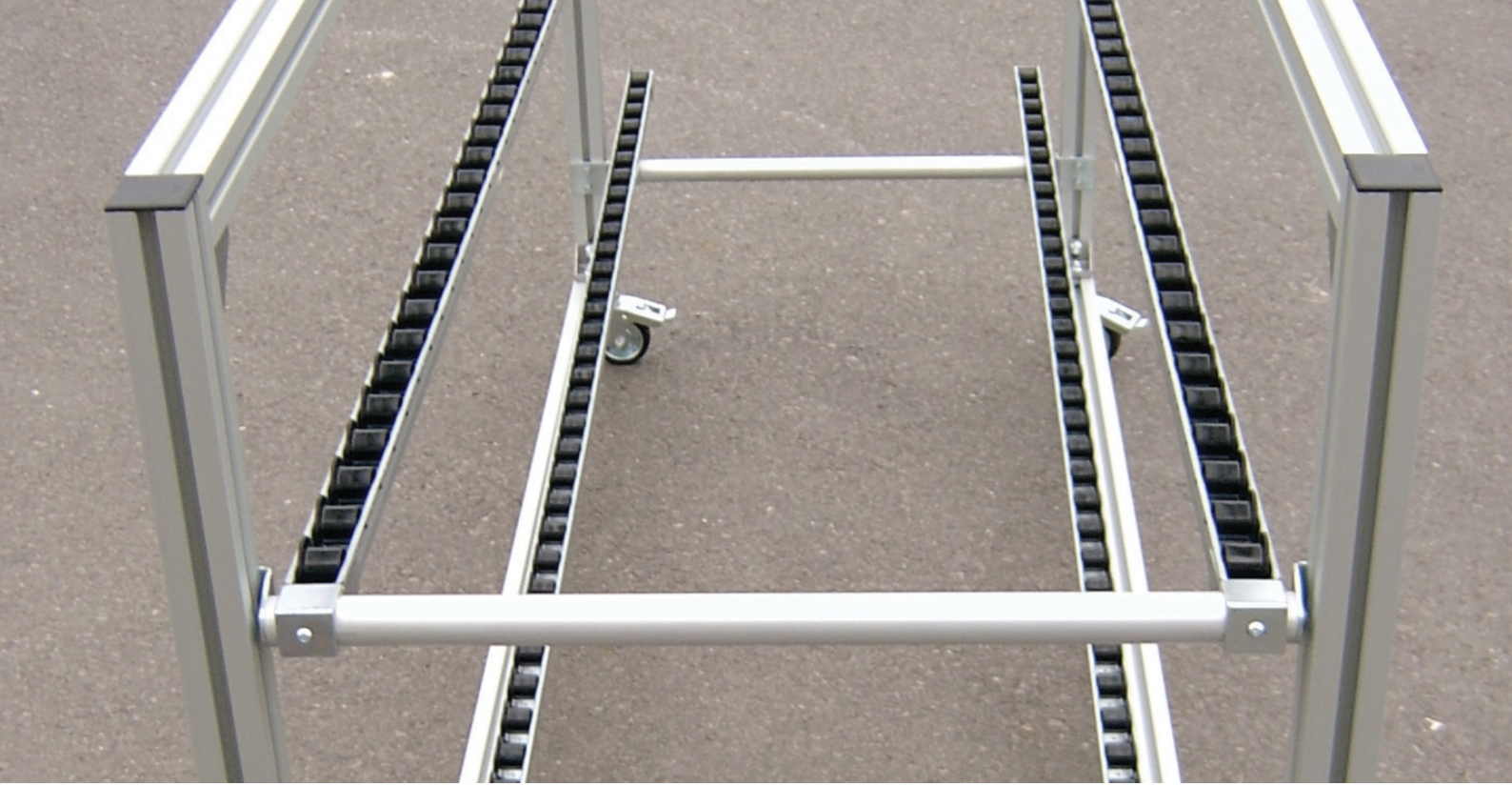
PROTECTIONS





FILLERS





ROLLER TRACKS



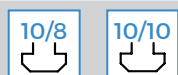
SYMBOLS



Profile groove width



Profile groove width



Profile groove width



Profile groove width



Profile execution for smaller loads



Profile execution for greater loads



Profile execution with radius



Closed profile on one side



Closed profile on both sides



Intended for rolling threads



Option to roll threads



Moment



The element is inserted into the groove at the extreme ends of the profile



The element is inserted anywhere into the profile groove



The element is inserted anywhere into the profile groove and turned by 90°

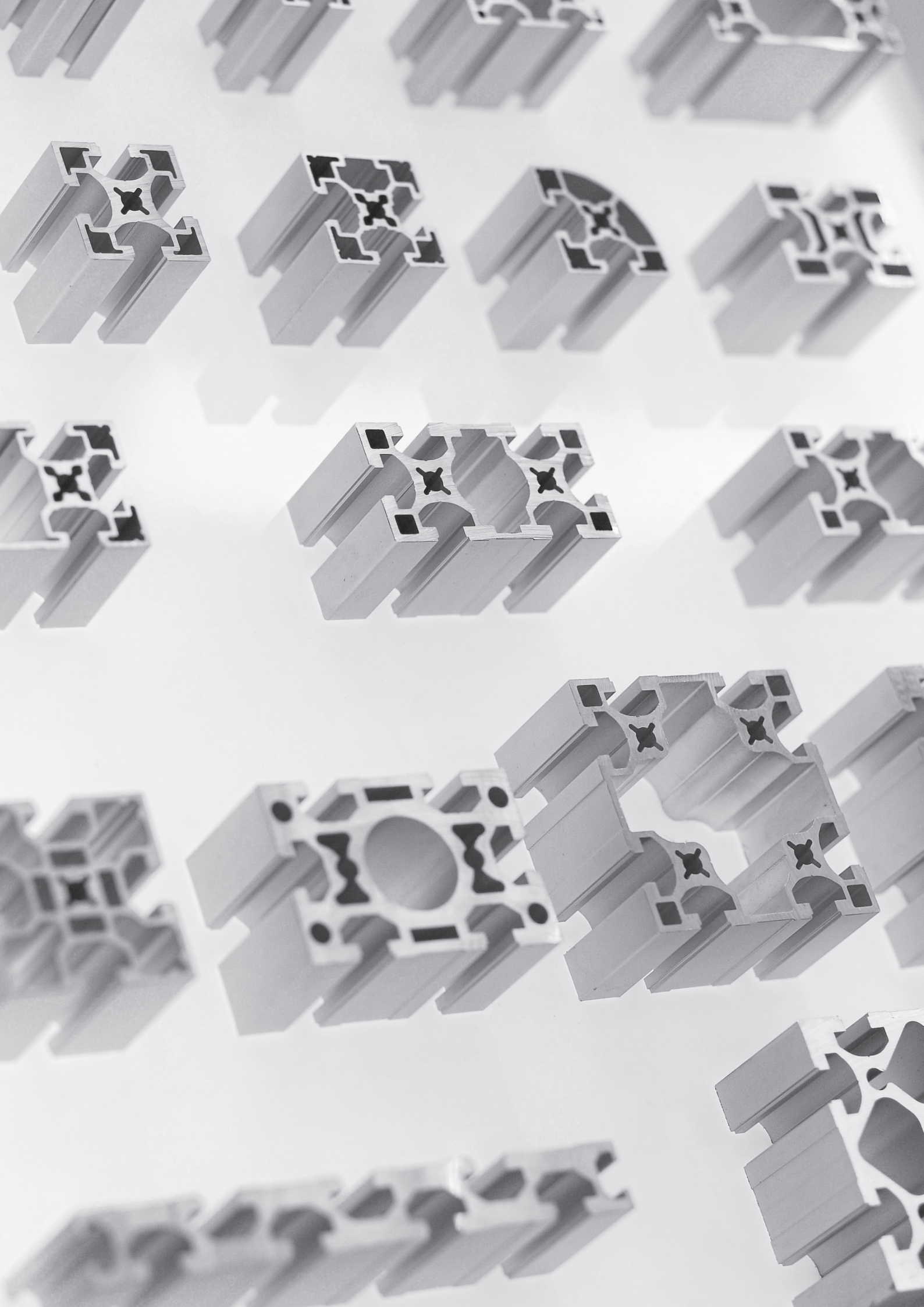


Product mass in grams



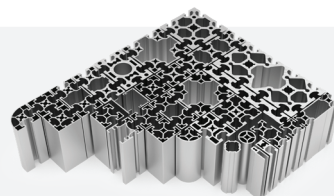
Hex key

Fe	Steel
Inox	Stainless steel
Zn	Zinc alloy
Zn Fe	Zinc-plated steel
Cu Zn	Brass product—nickel-plated
Al El	Aluminium alloy—anodised
Al	Aluminium alloy
PA6	Polyamide 6
PA6 #	Polyamide 6 with glass fibres
PE 500	Polyethylene
PP	Polypropylene
PP TPE	Polypropylene + thermoplastic elastomer
TPE	Thermoplastic elastomer
NBR	Nitrile rubber
	Anti-slip rubber
	ESD—antistatic material
	New product



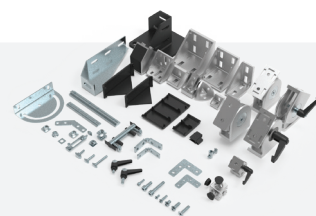
INDEX

PROFILES



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**CONNECTING
ELEMENTS**



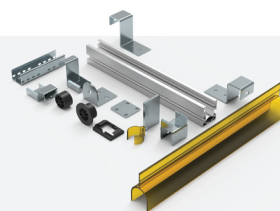
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ACCESSORIES



87 – 136

ROLLER TRACKS



137 – 152

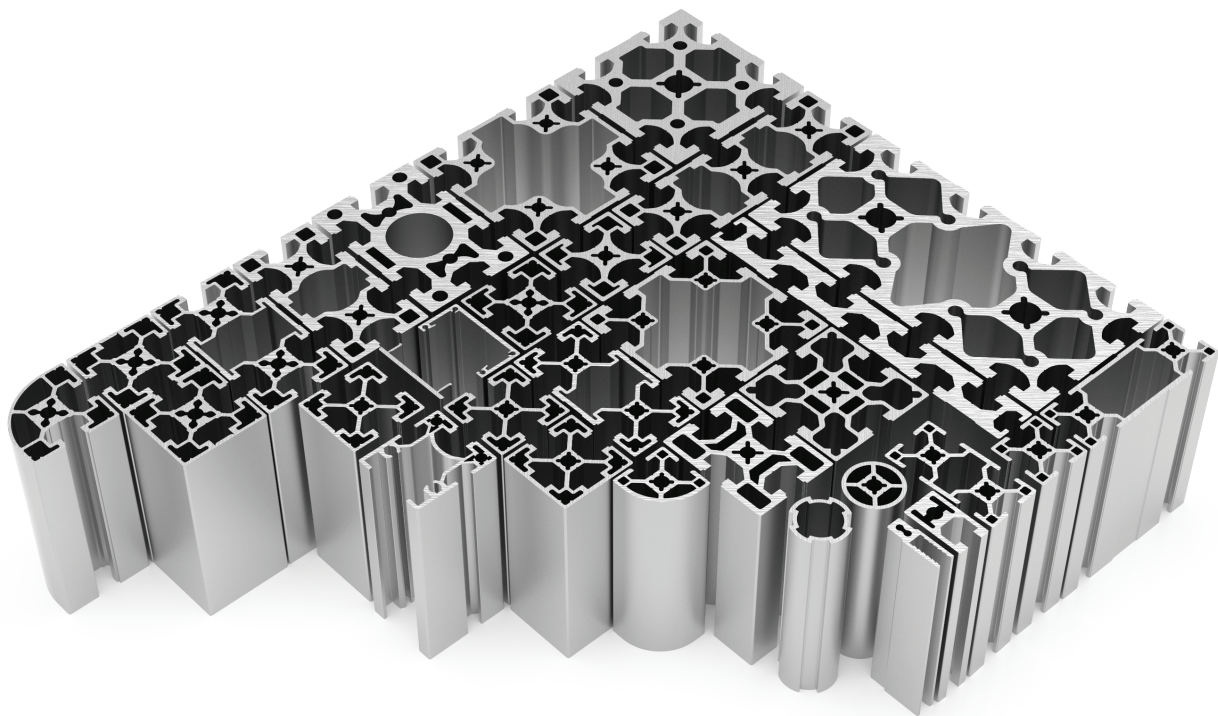
TUBULAR MODULAR SYSTEM



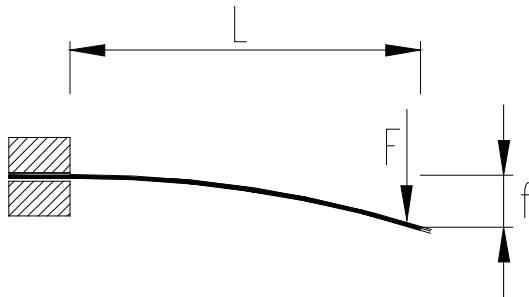
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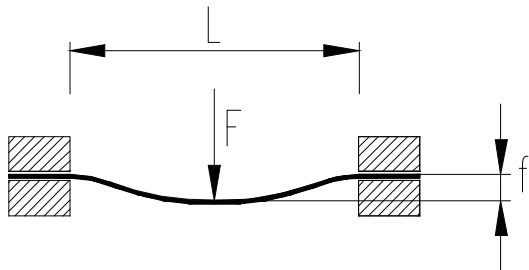
PROFILES



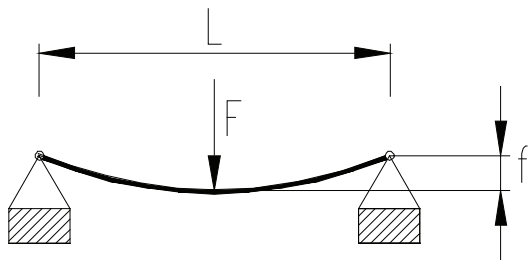
Useful formulas



$$\sigma = \frac{F \cdot L}{W} \leq K \quad f = \frac{F \cdot L^3}{E \cdot I \cdot 3}$$



$$\sigma = \frac{F \cdot L}{8 \cdot W} \leq K \quad f = \frac{F \cdot L^3}{E \cdot I \cdot 192}$$



$$\sigma = \frac{F \cdot L}{4 \cdot W} \leq K \quad f = \frac{F \cdot L^3}{E \cdot I \cdot 48}$$

σ [N/mm ²]	f [mm]	W [mm ³]	F [N]	I [mm ⁴]	K [N/mm ²]	E [N/mm ²]
Bending tension	Slack	Moment of resistance	Force	Moment of inertia	Max. bending tension	Elasticity module

[10³mm³=cm³]

[10⁴mm⁴=cm⁴]

	[N/mm ²] 100	[N/mm ²] 40	[N/mm ²] 30
K typical	Constant load	Pulsating load	Alternating load

Specifications for modular profiles

Al Mg Si EN AW-6060	Rm = 195 N/mm ²	Rp 0.2 = 145 N/mm ²
Material marking and label according to the ISO-standard	Tensile strength	Yield stress

E = 70.000 N/mm ²	T5	15µm	UNI – EN 755
Elasticity module	Physical condition	Anodising – layer thickness	Dimensional tolerance

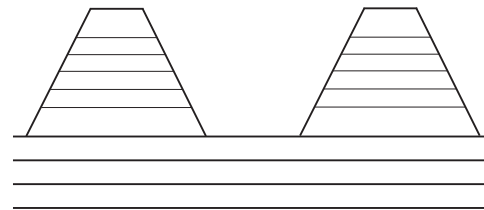
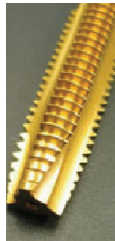
Name	Code	Moment of inertia I [cm ⁴]		Moment of resistance W [cm ³]		Surface area [mm ²]	Mass [kg/m]	Groove [mm]	Length [mm]
		x	y	x	y				
Al. profile meshes	10001	1.01	0.16	0.79	0.32	139.42	0.37	8/10	6 050
Al. profile 18.5 x 32	10002	2.76	1.16	1.97	1.26	288.80	0.77	8	6 050
Al. profile phi-28	14029	1.67	1.67	1.19	1.19	273	0.7	/	6 050
Al. profile phi-28 L	14028	1.33	1.33	0.95	0.95	178	0.49	/	6 050
Al. profile 30 x 30	10003	2.76	2.76	1.84	1.84	297.33	0.80	8	6 050
Al. profile 30 x 30 R	10004	2.48	2.48	1.43	1.43	298.48	0.80	8	6 050
Al. profile 30 x 60	10005	19.03	5.28	6.34	3.52	542.13	1.45	8	6 050
Al. profile 30 x 90	10006	59.48	7.58	13.22	5.23	682.94	1.83	8	6 050
Al. profile 40 x 40	10021	7.62	7.62	3.81	3.81	461.795	1.24	10	6 050
Al. profile 40 x 40 C1	10026	7.65	8.39	3.82	4.02	485.3	1.31	10	6 050
Al. profile 40 x 40 C2	10027	8.45	8.45	2.88	3.032	507.33	1.37	10	6 050
Al. profile 40 x 45	14001	8.02	9.38	4.21	4.69	425.64	1.14	8/10	6 050
Al. profile 40 x 80	10022	55.72	15.15	13.93	7.57	829.38	2.24	10	6 050
Al. profile duct cover 45 x 25	10024	1.90	5.03	0.27	0.86	104	0.28	/	6 050
Al. profile duct 45 x 25	10025	2.08	2.87	0.14	0.25	181	0.49	/	6 050
Al. profile 45 x 45 L	10007	11.46	11.46	5.10	5.10	604.85	1.63	10	6 050
Al. profile 45 x 45 H	10008	15.04	15.04	6.68	6.68	792.01	2.12	10	6 050
Al. profile 45 x 45 C1	10009	12.45	11.49	5.72	5.11	626.87	1.69	10	6 050
Al. profile 45 x 45 C2	10028	12.52	12.52	4.09	3.98	648.89	1.75	10	6 050
Al. profile 45 x 45 R	10010	9.14	9.14	3.53	3.53	516.84	1.38	10	6 050
Al. profile 45 x 60	10013	36.13	21.58	12.04	9.59	1,088.02	2.91	10	6 050
Al. profile 45 x 90 L	10011	87.15	22.27	19.37	9.90	1 059.88	2.84	10	6 050
Al. profile 45 x 90 H	10012	121.05	31.15	26.90	13.84	1 493.25	4.00	10	6 050
Al. profile 45 x 135	10014	376.27	45.32	55.74	20.14	2 125.83	5.69	10	6 050
Al. profile 45 x 180	10029	59.50	848.34	26.44	94.26	2 764.64	7.49	10	6 050
Al. Al. profile 60 x 60	10015	40.85	40.85	17.30	17.30	1 345.17	3.64	10	6 050
Al. profile 60 x 90	10016	202.42	90.32	44.98	30.11	2 533.36	6.78	10	6 050
Al. profile 80 x 80	10023	116.72	116.72	29.18	29.18	1 461.00	3.96	10	6 050
Al. profile 90 x 90 L	10017	195.39	195.39	43.42	43.42	2 091.97	5.60	10	6 050
Al. profile 90 x 90 H	10018	288.35	288.35	64.08	64.08	3 600.61	9.64	10	6 050
Al. profile 22.5 x 180	10019	897.06	11.83	66.34	10.81	2 210.48	5.92	8/10	6 050
Al. profile 90 x 80	10020	1 889.54	510.18	209.95	113.37	5 770.16	15.45	10	6 050

THREADS



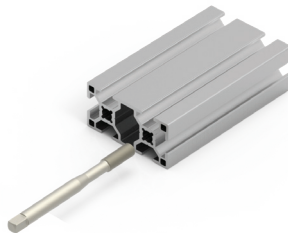
The thread rolling process is used for al. profiles and NOT cutting!!!

Drill for cutting threads

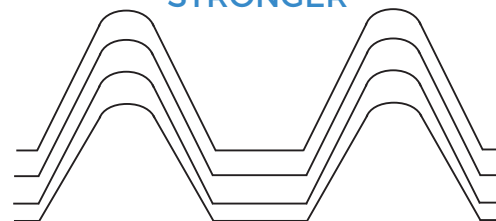


THREAD CUTTING

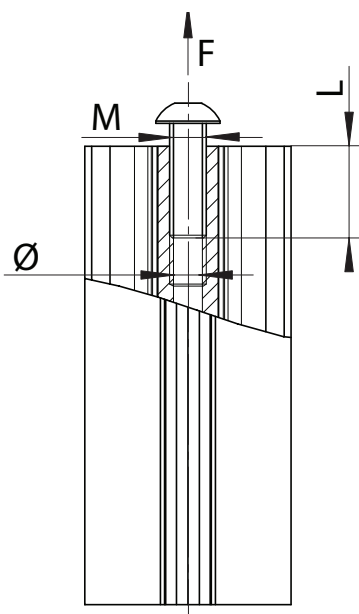
Drill for rolling threads



30 % STRONGER
































ROLLING THREADS



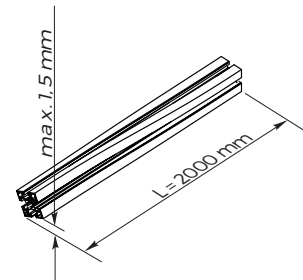
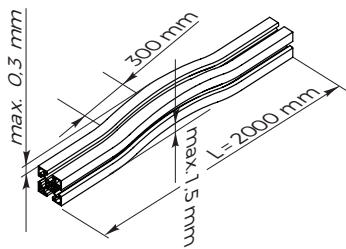
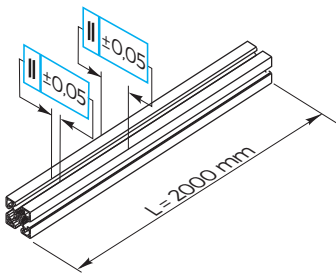
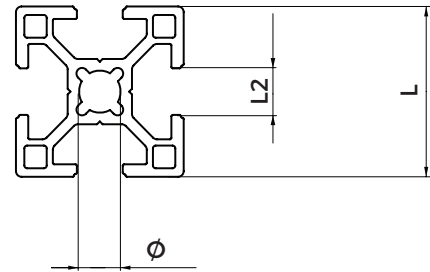
Hole specified in advance		
M x L	Ø	F
M 8 x 20	Ø7,4	7 000 N
M 10 x 20	Ø9,4	8 000 N
M 12 x 20	Ø11,3	10 000 N
M 16 x 20	Ø15	12 000 N

More information on threaded drills on page 132.

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Al. profile 45 x 45 C1	28				

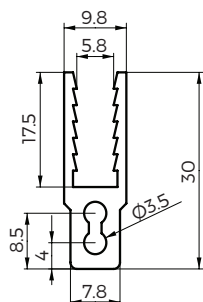
L – Dimension mm		TOLERANCE BY DIMENSION [mm]
from	to including	
0	30	± 0.15
30	40	±0.25
40	60	±0.40
60	80	±0.50
80	100	±0.60
100	125	±0.80
125	150	±1.0
150	180	±1.2
180	210	±1.4
L2		
	8.2	± 0.15
	10.2	± 0.2
Ø		
	7.4	± 0.15
	15	± 0.2



PROFILE GROOVE LOAD CAPACITY

	30 x 30, 30 x 30 R	4 000 N	5 000 N	6 000 N	2 200 N
	30 x 60, 30 x 90				
	40 x 40, 40 x 40 C1, 40 x 40 C2, 45 x 45 L,	7 000 N	10 000 N	12 000 N	9 000 N
	45 x 45 C1, 45 x 45 C2, 45 x 45 R, 40 x 80, 45 x 90 L				
	45 x 45 H, 45 x 60, 45 x 90 H, 45 x 135, 45 x 180	12 000 N	15 000 N	17 000 N	13 000 N
	60 x 60, 80 x 80, 60 x 90, 90 x 90 L, 90 x 90 H				
	22.5 x 180, 90 x 180				

Al. profile meshes



Code

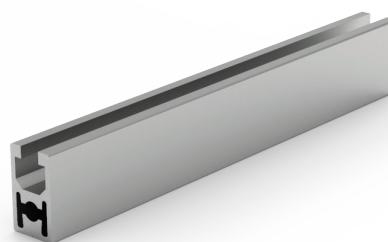
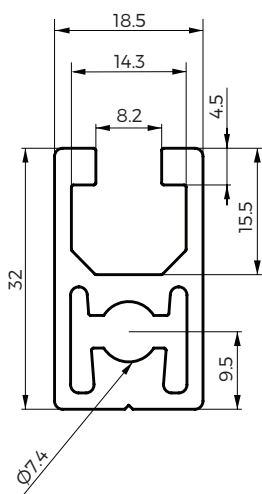
10001



Al. profile meshes

	Components – possible additional purchase		Code
(A)	Mesh profile angle piece	page 71	11116

Al. profile 18.5 x 32



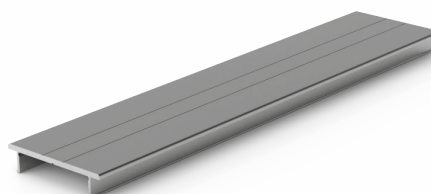
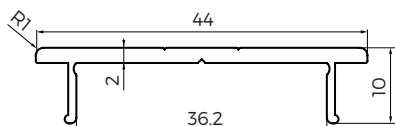
Code

10002



Al. profile 18.5 x 32

Al. profile duct cover 45 x 25



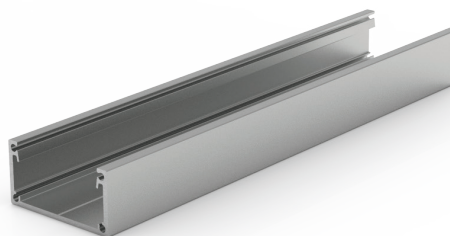
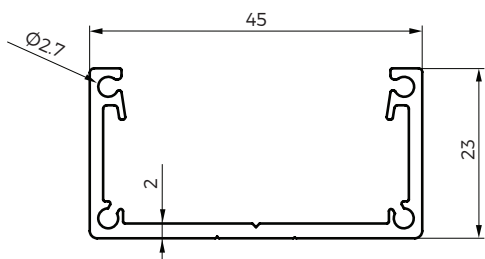
Code

Al
Ei

Al. profile duct cover 45 x 25

10024

Al. profile duct 45 x 25



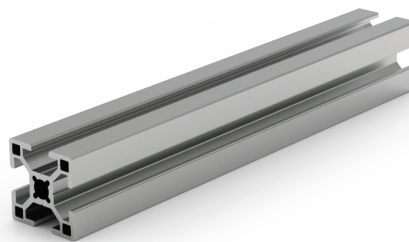
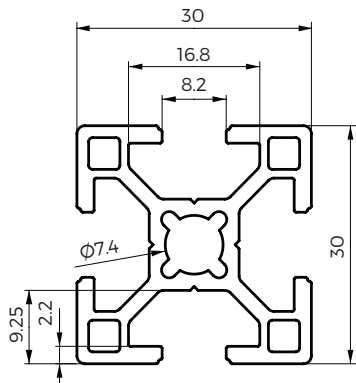
Code

Al
Ei

Al. profile duct 45 x 25

10025

Al. profile 30 x 30

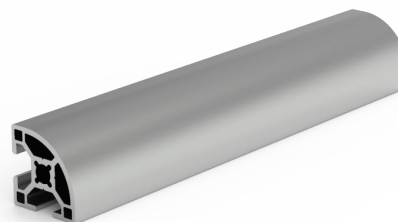
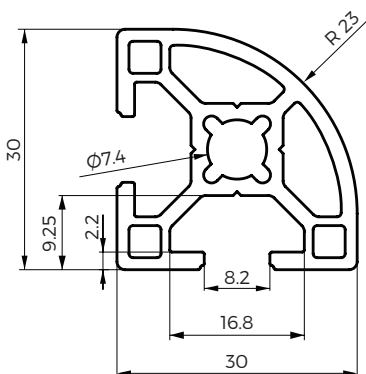


Al. profile 30 x 30

Code

10003

Al. profile 30 x 30 R

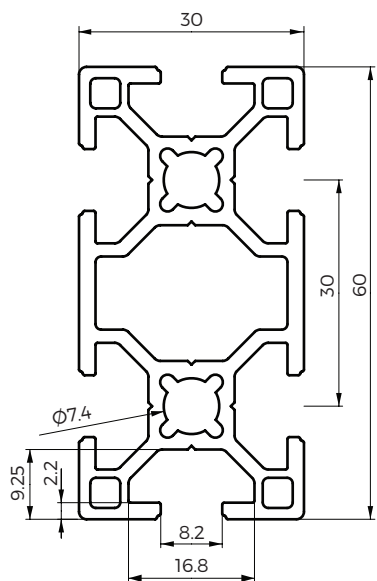


Al. profile 30 x 30 R

Code

10004

Al. profile 30 x 60



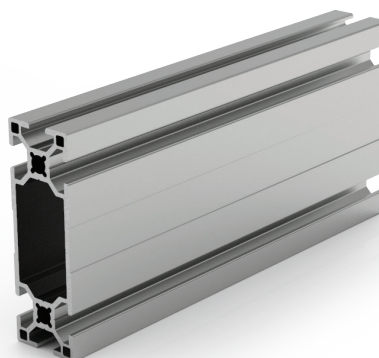
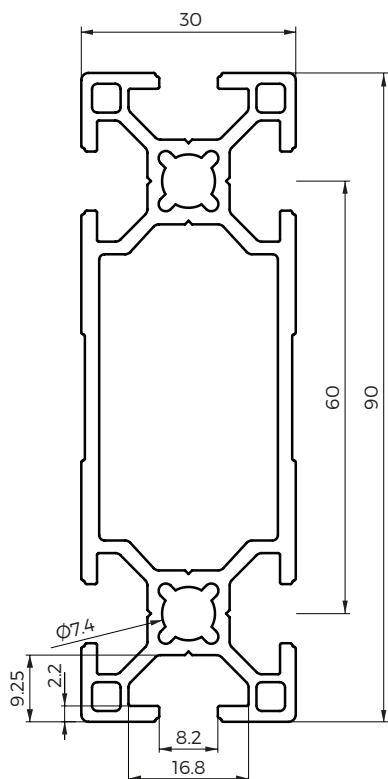
Code

10005



Al. profile 30 x 60

Al. profile 30 x 90



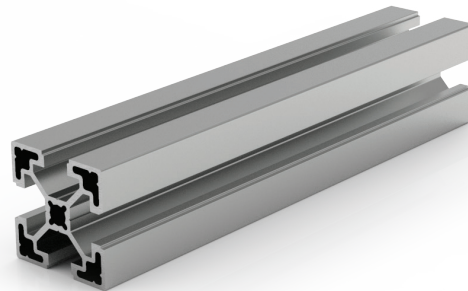
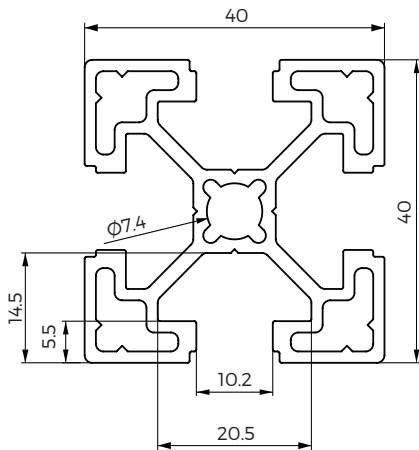
Code

10006



Al. profile 30 x 90

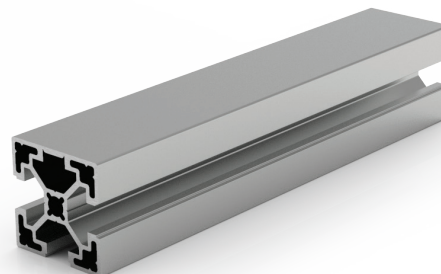
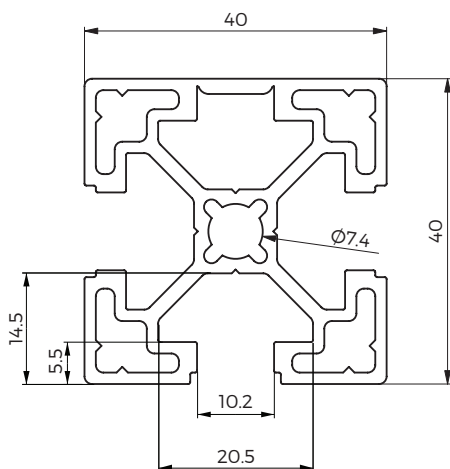
Al. profile 40 x 40



Al. profile 40 x 40

Code
10021

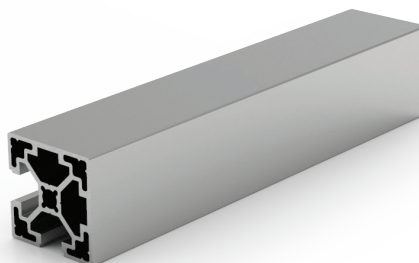
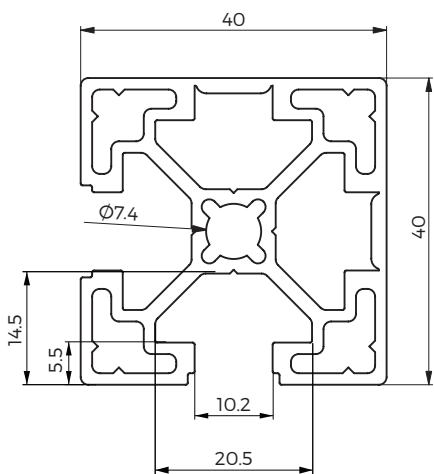
Al. profile 40 x 40 C1



Al. profile 40 x 40 C1

Code
10026

Al. profile 40 x 40 C2



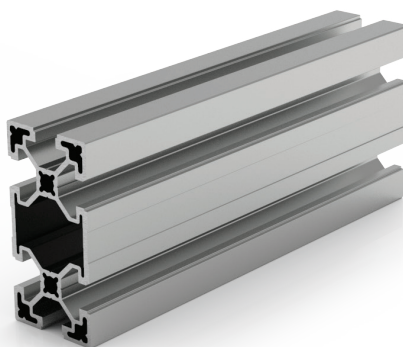
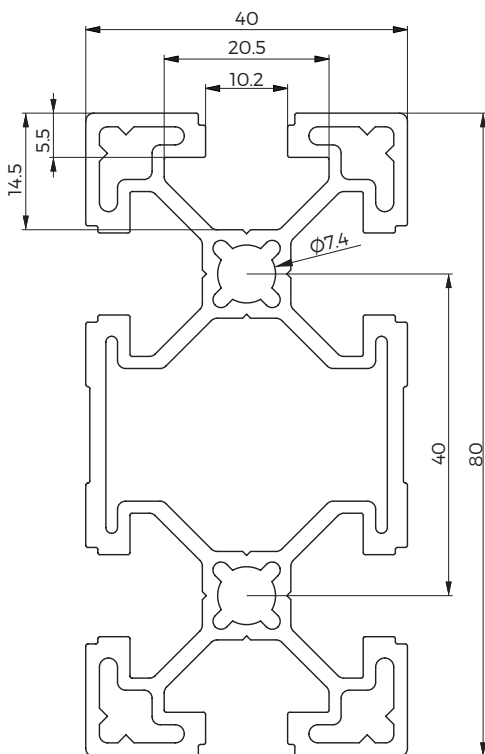
Code

10027



Al. profile 40 x 40 C2

Al. profile 40 x 80



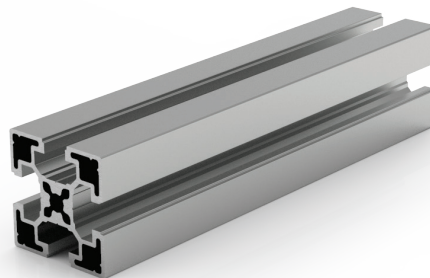
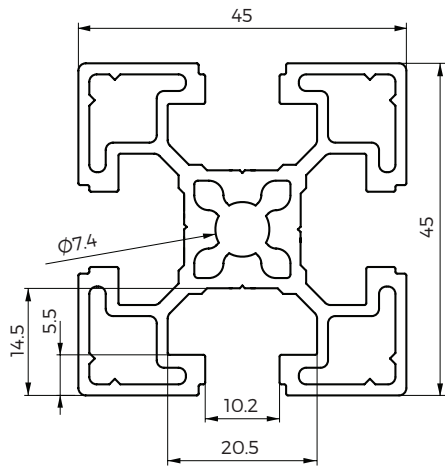
Code

10022



Al. profile 40 x 80

Al. profile 45 x 45 L

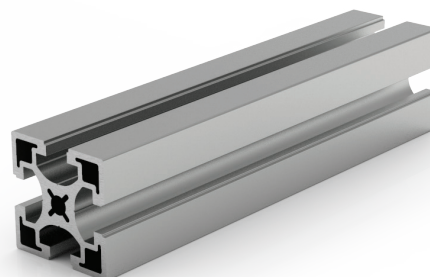
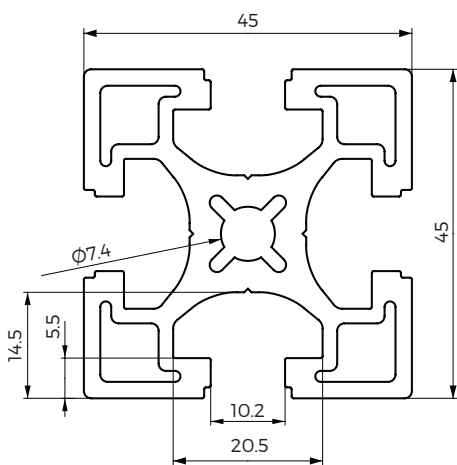


Al. profile 45 x 45 L

Code

10007

Al. profile 45 x 45 H

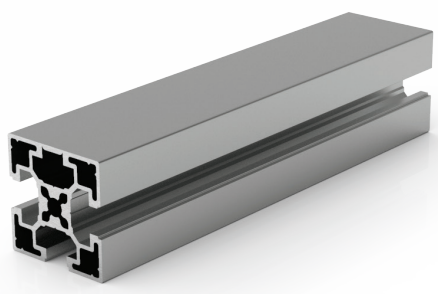
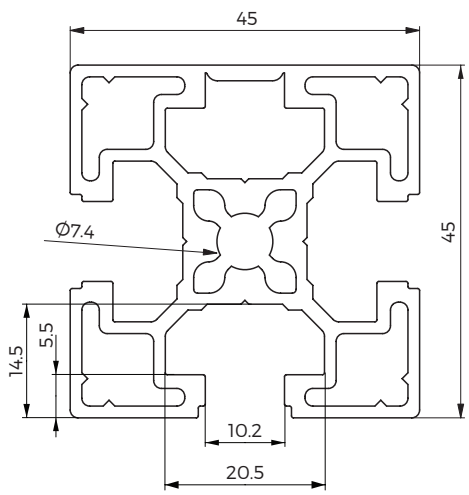


Al. profile 45 x 45 H

Code

10008

Al. profile 45 x 45 C1



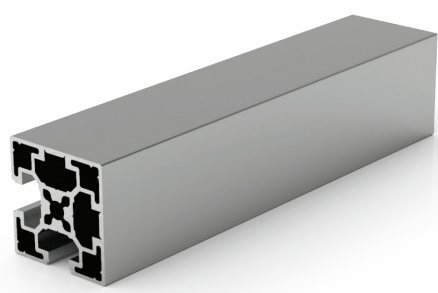
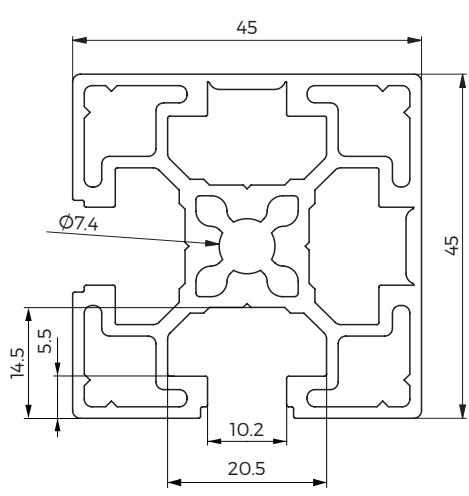
Code

Al EI C1 M8 M10 M12 10

Al. profile 45 x 45 C1

10009

Al. profile 45 x 45 C2



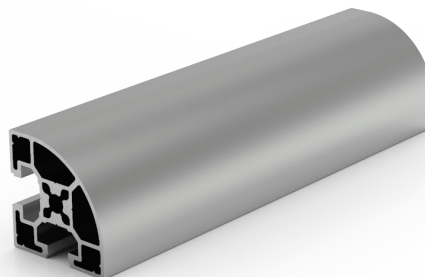
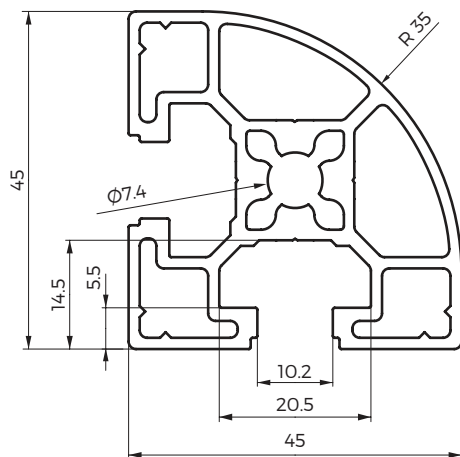
Code

Al EI C2 M8 M10 M12 10

Al. profile 45 x 45 C2

10028

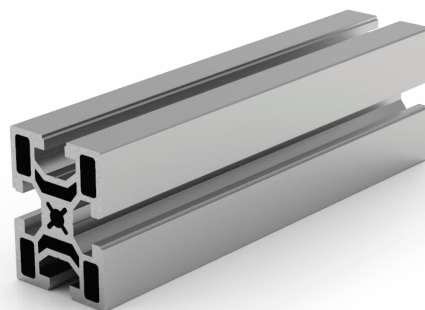
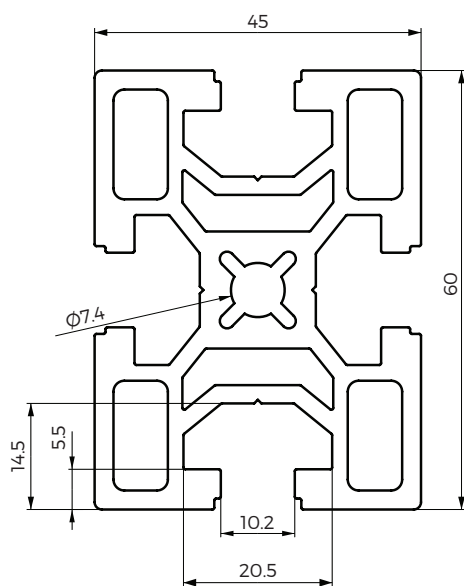
Al. profile 45 x 45 R



Al. profile 45 x 45 R

Code
10010

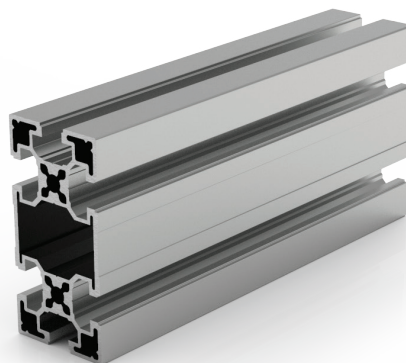
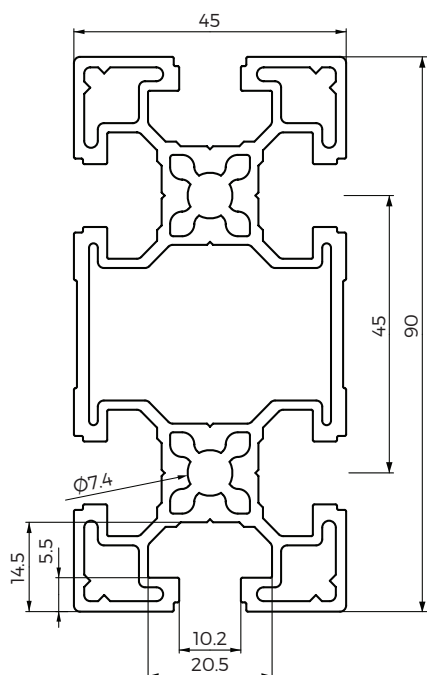
Al. profile 45 x 60



Al. profile 45 x 60

Code
10013

Al. profile 45 x 90 L



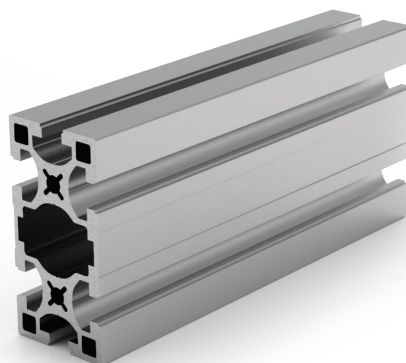
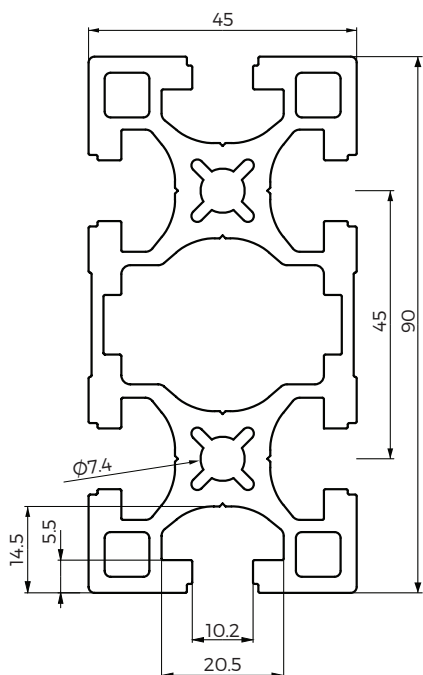
Code

10011



Al. profile 45 x 90 L

Al. profile 45 x 90 H



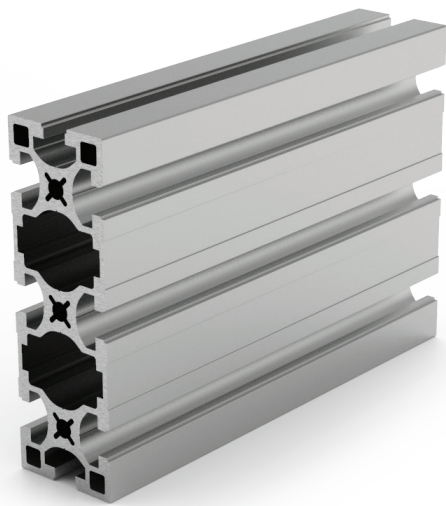
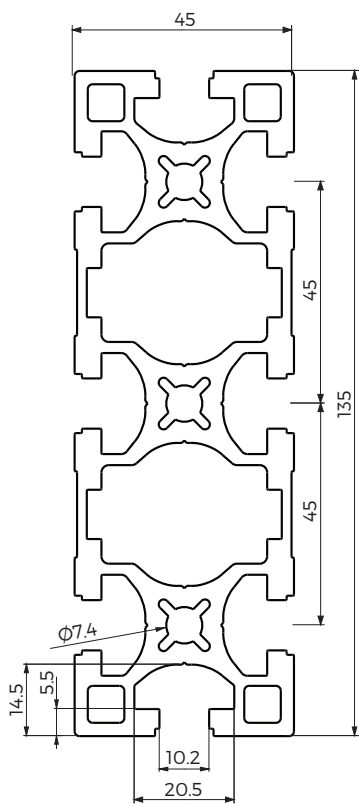
Code

10012



Al. profile 45 x 90 H

Al. profile 45 x 135

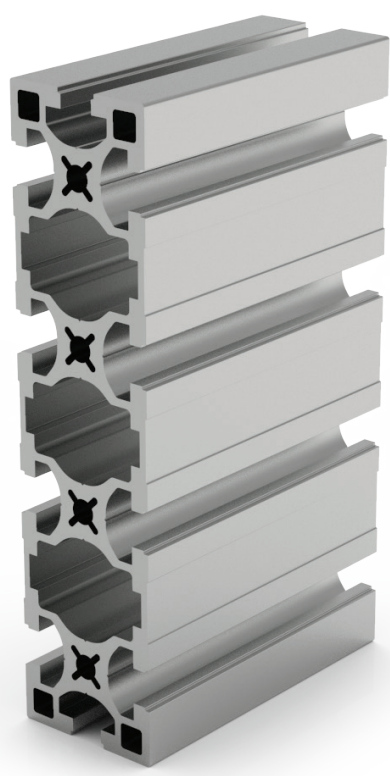
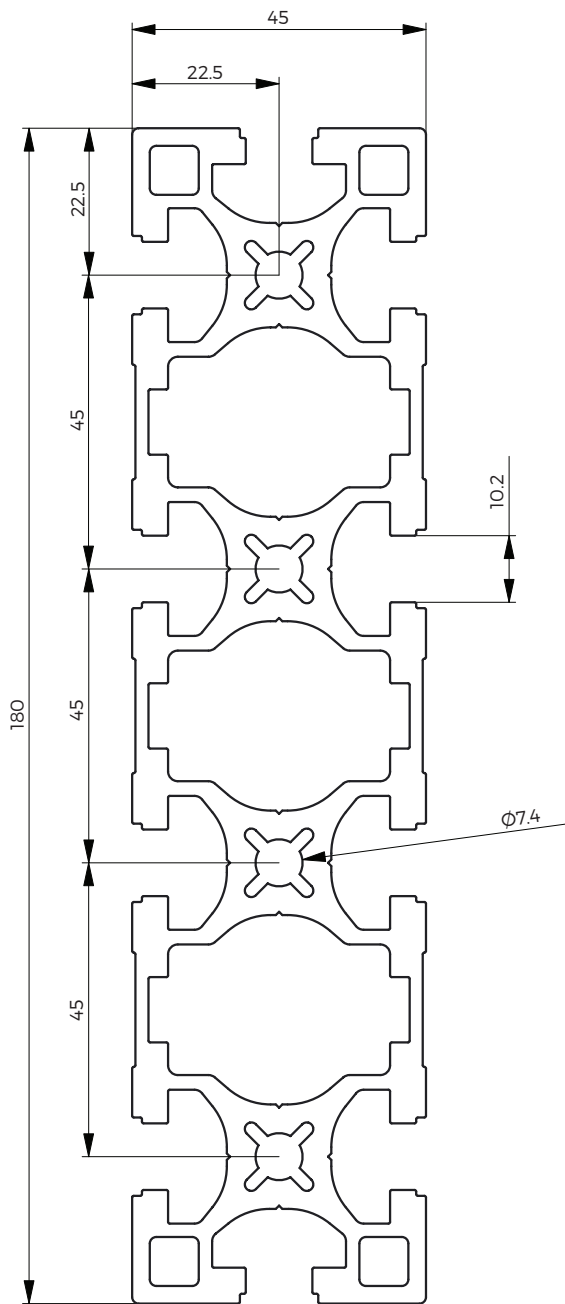


- Al**
EI
- M8**
- M10**
- M12**
- 10**

Al. profile 45 x 135

Code
10014

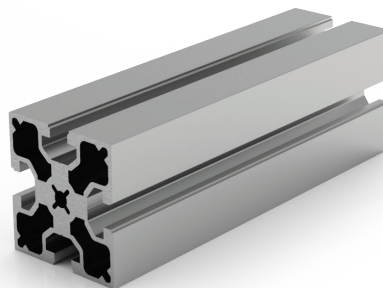
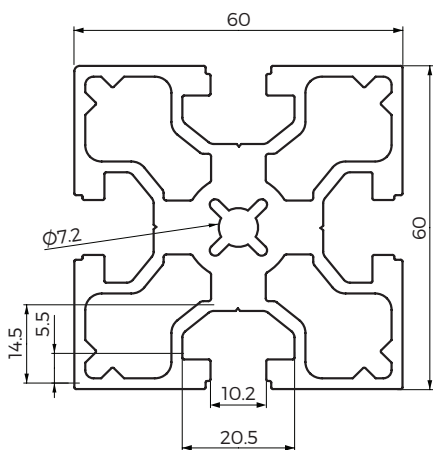
Al. profile 45 x 180



Al. profile 45 x 180

Code
10029

Al. profile 60 x 60



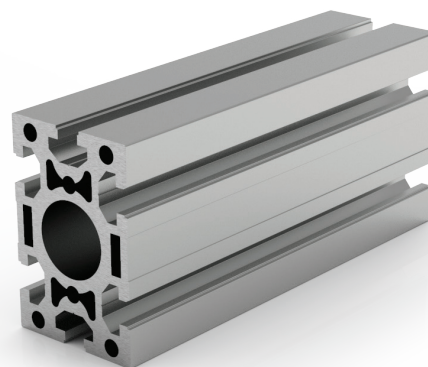
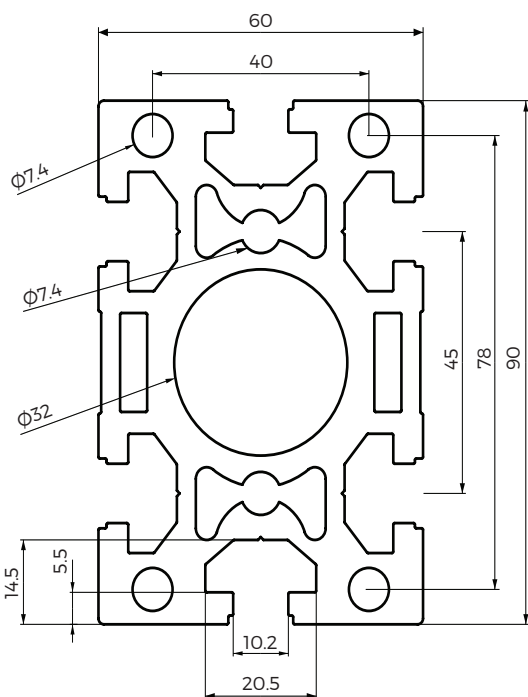
Code



Al. profile 60 x 60

10015

Al. profile 60 x 90



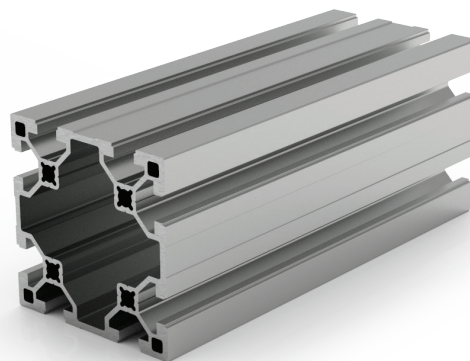
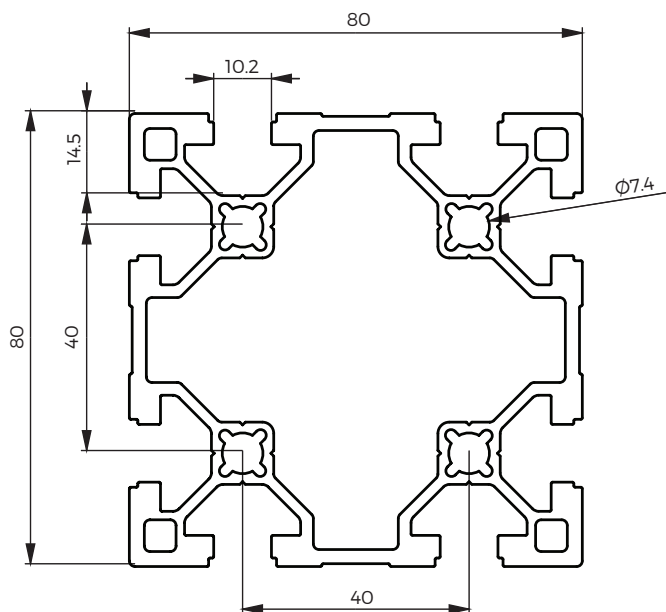
Code



Al. profile 60 x 90

10016

Al. profile 80 x 80

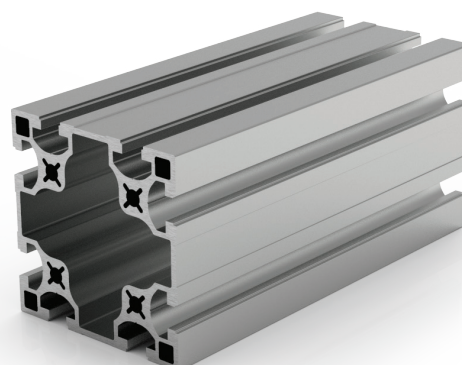
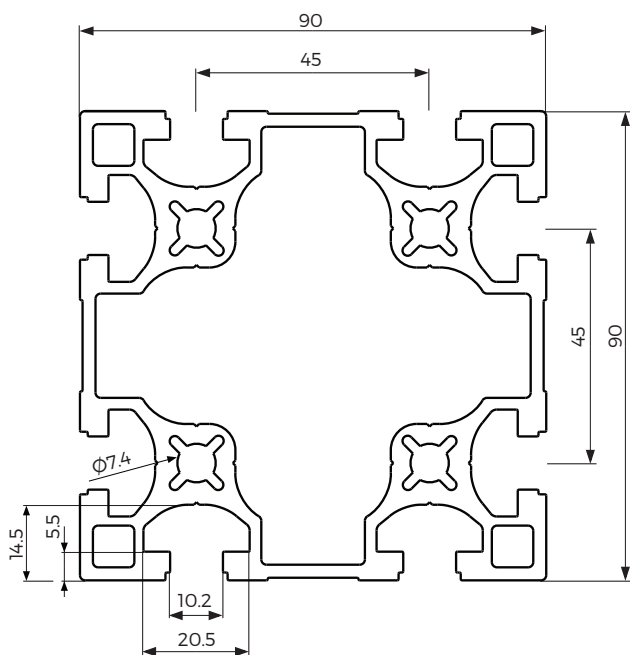


Al. profile 80 x 80

Code

10023

Al. profile 90 x 90 L

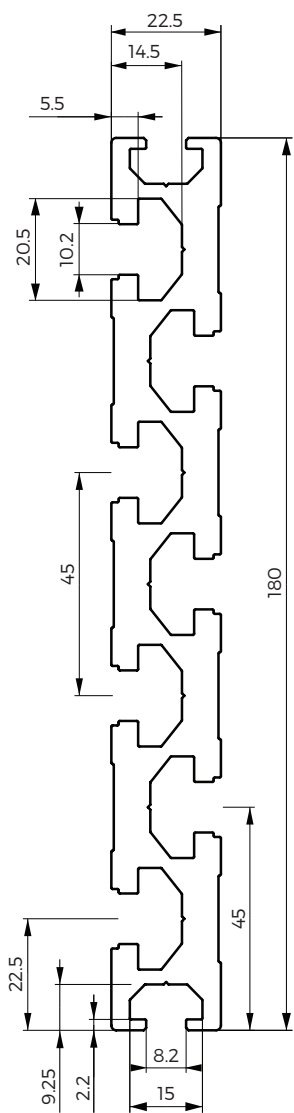


Al. profile 90 x 90 L

Code

10017

Al. profile 22.5 x 180



Al
Ei

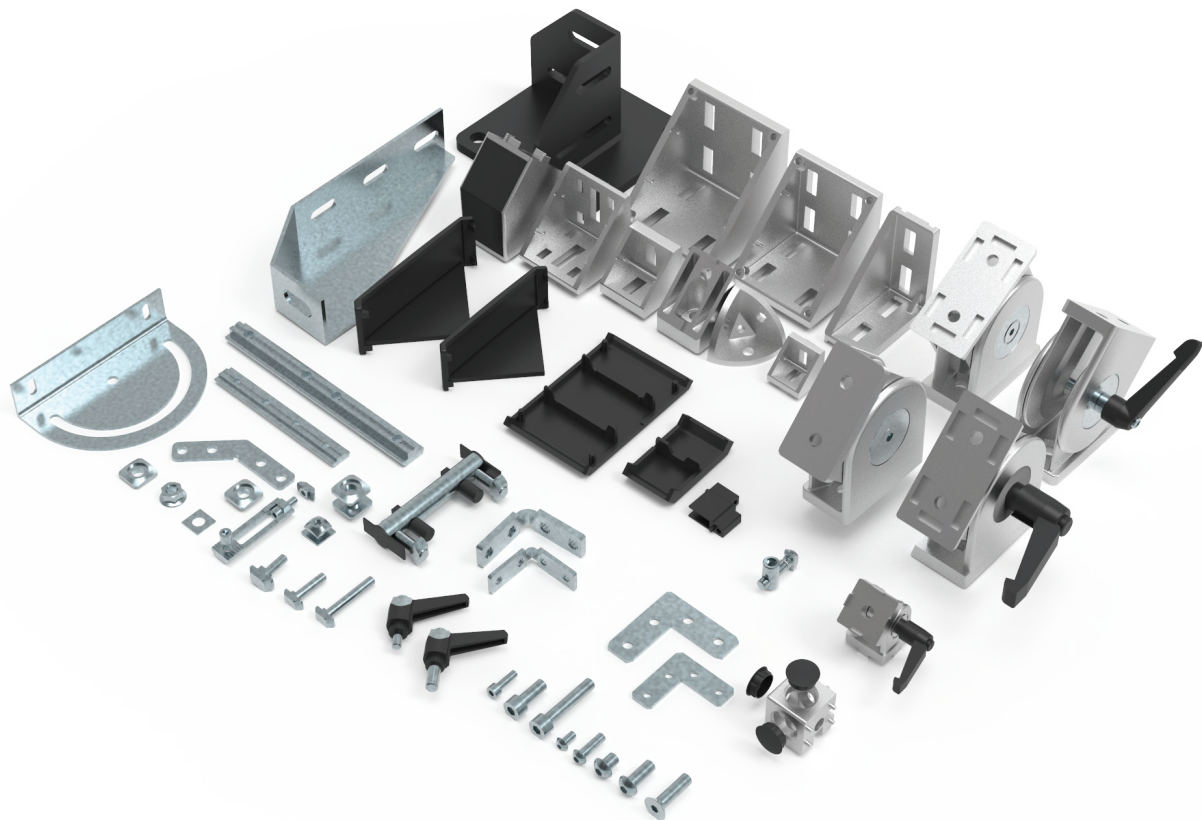


Al. profile 22.5 x 180

Code
10019



CONNECTING ELEMENTS



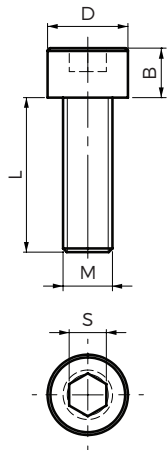
CONNECTING ELEMENTS LOAD CAPACITY

	Code	+5 % 					
	11097	20	800 N	43 Nm			
	11098	25	1 000 N	65 Nm			
	11099	20					
	11140	20					
	11141	25					
	11100	25					
	11048	25					
	11052	25					
	11129	25					
	11152	20	4 000 N	180 Nm	40 Nm		
	11133	20	4 000 N	180 Nm	60 Nm		
	11138	20	4 000 N	200 Nm	80 Nm		
	11092	20	5 000 N	800 Nm	170 Nm		
11134	20	5 000 N	800 Nm	200 Nm			
	Code	+5 % 					
	11101	10	1 250 N	25 Nm	75 Nm		-
	11109	10	2 500 N	100 Nm	170 Nm		25 Nm
	11142	25	3 000 N	55 Nm	145 Nm		35 Nm
	11084	25	6 000 N	180 Nm	400 Nm		60 Nm
	11103	25	3 000 N	60 Nm	160 Nm		-
	11110	25	6 000 N	180 Nm	400 Nm		60 Nm
	11105	25	3 000 N	125 Nm	150 Nm		-
	11087	25	14 000 N	500 Nm	1 000 Nm		400 Nm
11107	25	12 000 N	370 Nm	800 Nm		200 Nm	
	Code	+5 % 					
	11147	25	70 Nm				
	11148	35	85 Nm				
	11149	35	170 Nm				
	Code	+5 % 					
	11117	6					
	11157	10					
	11118	10					
	11119	6					
	11120	10					
	11135	7	500 Nm	50 Nm	-		7 Nm
	11136	12	500 Nm	50 Nm	-		10 Nm
	11153	7	500 Nm	50 Nm	-		7 Nm
	11155	12	500 Nm	50 Nm	-		10 Nm

INDEX

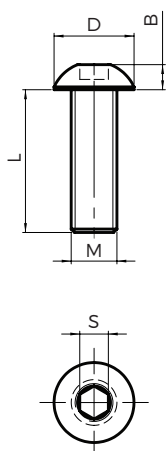
Screw with cylindrical and lenticular head	42			56-65	Angle pieces, covers for angle pieces
Socket screw, threaded pin, self-tapping screws	43			66-69	Angle pieces – corner, covers for corner angle pieces
Hammer-head screws, flanged nuts	44-45			69-71	Angle pieces, angle piece cube
Washers, hammer-head nuts	45-47			71	Mesh profile angle piece
Nuts – grooved	48			72-73	Angle pieces – internal, Angle pieces – external
T-slot nuts, T-slot nuts with spring	49-51			74-75	Base angle piece, base plates
Linear couplings	52			75-76	Bracket – adjustable, clamping lever
Coupling sets – front	53			76-81	Joints
Coupling sets – side	54-55			81-85	Coupling elements

Cylinder-head screws



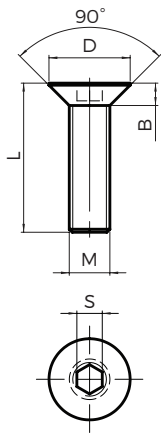
Zn Fe	M	L	D	B	S		Code
	4	40	6.8	4	3	4 g	11026
	5	16	8.3	5	4	4 g	11001
	5	20	8.3	5	4	4 g	11002
	6	14	9.8	6	5	5 g	11003
	6	16	9.8	6	5	6 g	11004
	6	20	9.8	6	5	6 g	11005
	6	30	9.8	6	5	8 g	11006
	8	16	12.7	8	6	11 g	11007
	8	20	12.7	8	6	13 g	11008
	8	25	12.7	8	6	14 g	11009
	8	40	12.7	8	6	19 g	11010

Lenticular head screw



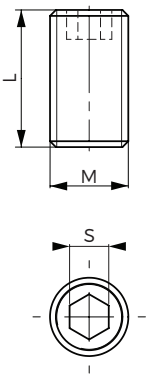
Zn Fe	M	L	D	B	S		Code
	5	10	9.5	2.8	3	2 g	11011
	5	12	9.5	2.8	3	2 g	11012
	5	16	9.5	2.8	3	3 g	11013
	5	20	9.5	2.8	3	3 g	11014
	5	25	9.5	2.8	3	4 g	11015
	6	10	10.5	3.3	4	3 g	11016
	6	12	10.5	3.3	4	3 g	11017
	6	16	10.5	3.3	4	4 g	11018
	6	20	10.5	3.3	4	5 g	11019
	6	25	10.5	3.3	4	5 g	11020
	8	10	14	4.4	5	6 g	11021
	8	14	14	4.4	5	8 g	11022
	8	20	14	4.4	5	9 g	11023
	8	25	14	4.4	5	11 g	11024
	8	30	14	4.4	5	13 g	11025

Socket screw



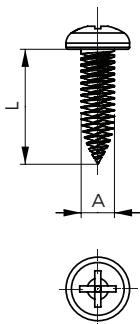
Zn Fe	M	L	D	B	S		Code
	5	16	12	4	4	4 g	11164
	5	20	12	4	4	4 g	11165
	6	12	12	4	4	4 g	11162
	6	16	12	4	4	4 g	11027
	6	20	12	4	4	4 g	11028
	8	25	16	5	5	10 g	11029
	8	35	16	5	5	13 g	11030

Threaded pin



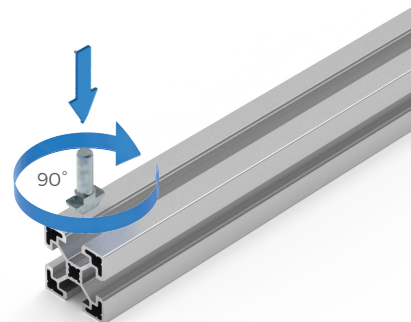
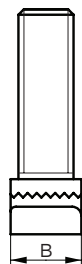
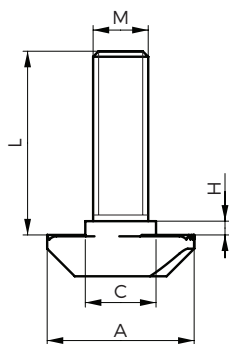
Zn Fe	M	L	S		Code
	6	8	4	2 g	11031
	6	14	4	2 g	11032
	8	10	5	2 g	11033
	8	14	5	3 g	11034
	8	40	5	11 g	11035

Self-tapping screw



Zn Fe	A	L		Code
	Ø5.5	19	4 g	11036

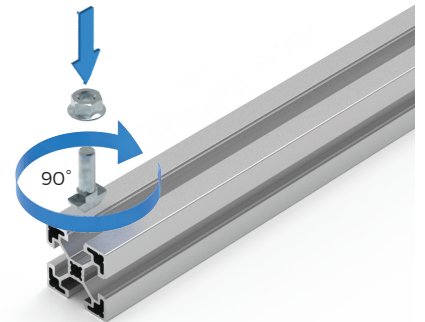
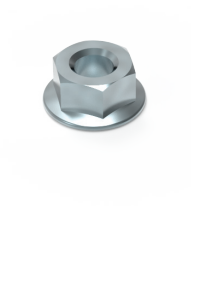
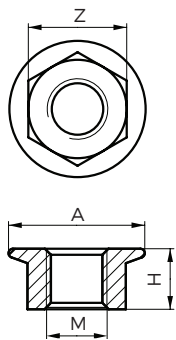
Hammer-head screw



Zn Fe	8/10	M	L	B	C	A	H		Code
		6	20	7.7	7.7	16	1.5	7 g	11037*
		6	25	7.7	7.7	16	1.5	8 g	11038*
		6	30	7.7	7.7	16	1.5	9 g	11039*
		6	40	7.7	7.7	16	1.5	10 g	11040*
		6	60	7.7	7.7	16	1.5	10 g	11041*
		6	20	9.7	9.7	19	3	10 g	11042*
		6	25	9.7	9.7	19	3	12 g	11043*
		6	30	9.7	9.7	19	3	13 g	11044*
		6	40	9.7	9.7	19	3	15 g	11045*
		6	60	9.7	9.7	19	3	18 g	11046*
		8	20	8.5	9.7	19	3	13 g	11047
		8	25	8.5	9.7	19	3	14 g	11048
		8	30	9.7	9.7	19	3	15 g	11049*
		8	40	9.7	9.7	19	3	19 g	11050*
		8	60	9.7	9.7	19	3	25 g	11051*

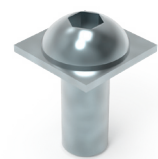
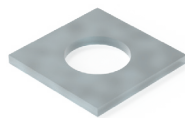
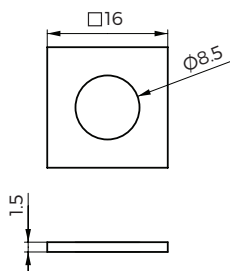
* assembled

Flanged nut



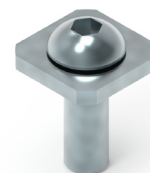
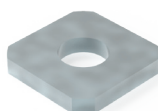
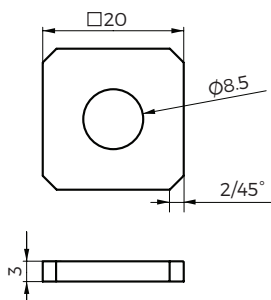
Zn Fe	M	A	H	Z		Code
	6	Ø14.2	6	10	4 g	11139
	8	Ø17.9	8	13	7 g	11052

Washer – grooved, squared U8



Zn Fe			Code
		2 g	11053

Washer – grooved, squared, low U10



Zn
Fe

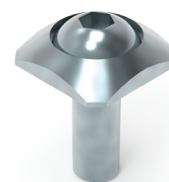
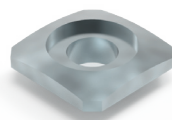
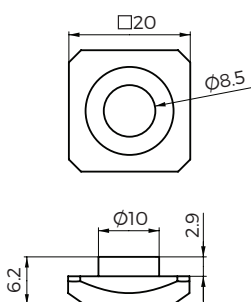


Code

6 g

11166

Washer – grooved U10



Zn
Fe

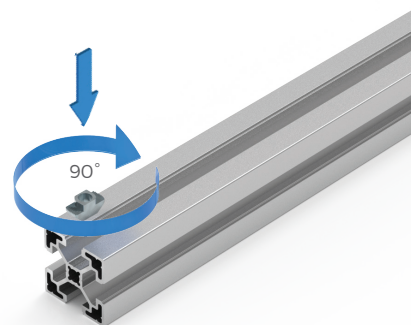
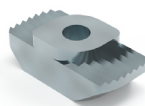
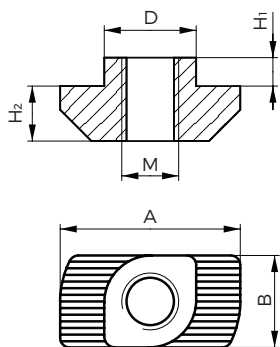


Code

10 g

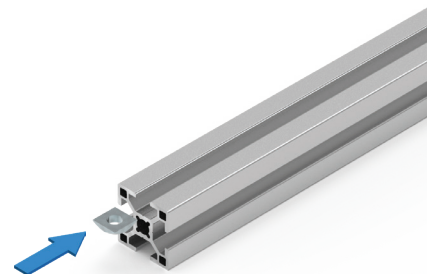
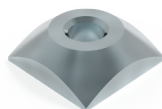
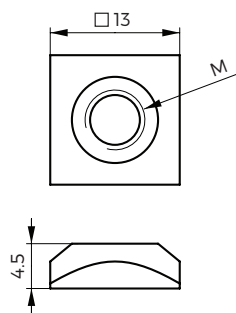
11054

Hammer-head nut



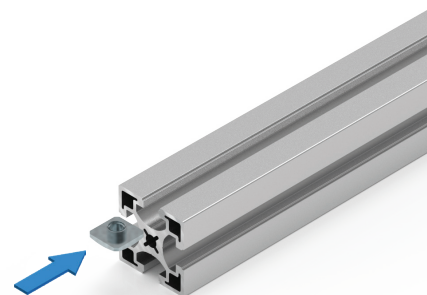
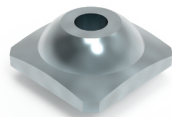
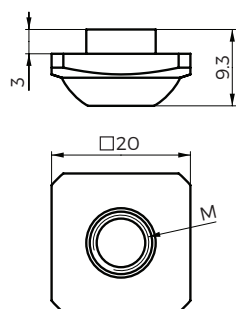
Zn Fe	8/10	M	A	B	H ₁	H ₂	D		Code
		4	16	7.7	1.5	4.5	7.7	4 g	11055
		5	16	7.7	1.5	4.5	7.7	3 g	11056
		6	16	7.7	1.5	4.5	7.7	3 g	11057
		4	19	9.7	3	5.8	9.7	8 g	11058
		5	19	9.7	3	5.8	9.7	7 g	11059
		6	19	9.7	3	5.8	9.7	7 g	11060
		8	19	9.7	3	5.8	9.7	6 g	11061

Nut – grooved



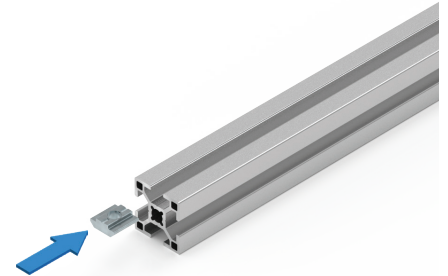
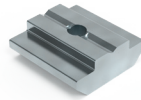
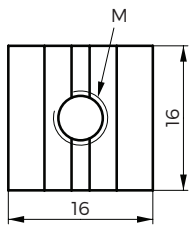
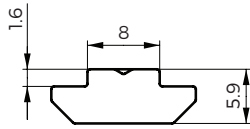
Zn Fe	8	M		Code
		5	5 g	11062
		6	5 g	11063
		8	4 g	11064

Nut – grooved



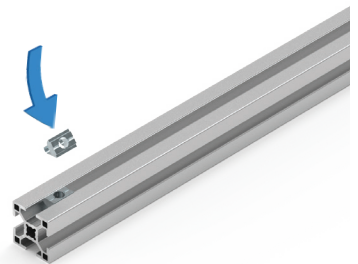
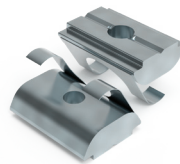
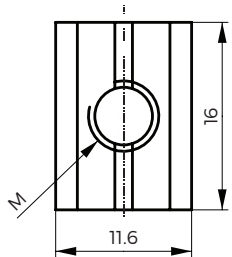
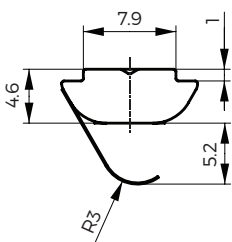
Zn Fe	10	M		Code
		6	18 g	11065
		8	15 g	11066

T-slot nut



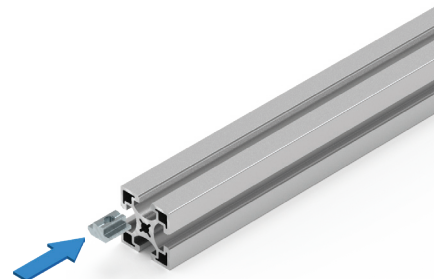
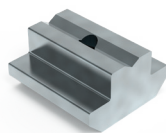
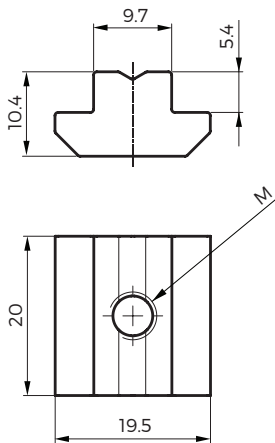
Zn Fe	8	M		Code
		4	9 g	11067
		5	8 g	11068
		6	8 g	11069
		8	7 g	11070

T-slot nut with spring



Zn Fe	8	M		Code
		4	5 g	11071
		5	5 g	11072
		6	4 g	11073
		8	4 g	11074

T-slot nut



Zn
Fe



M



Code

4

22 g

[11075](#)

5

21 g

[11076](#)

6

20 g

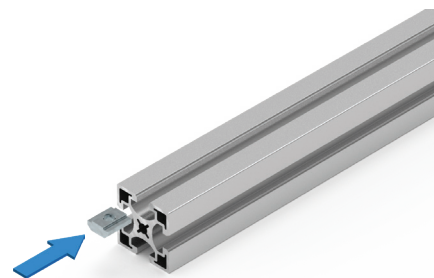
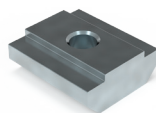
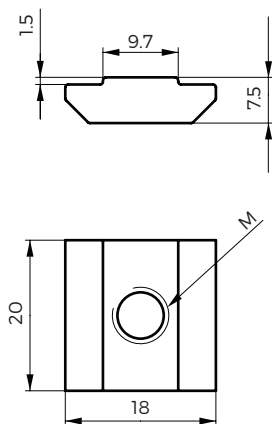
[11077](#)

8

19 g

[11078](#)

T-slot nut – low



Zn
Fe



M



Code

6

16 g

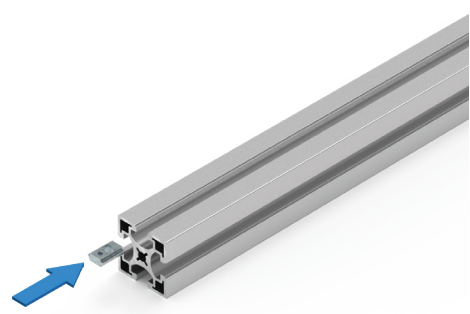
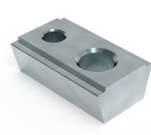
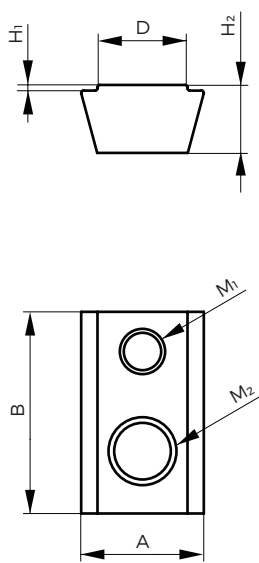
[11168](#)

8

14 g

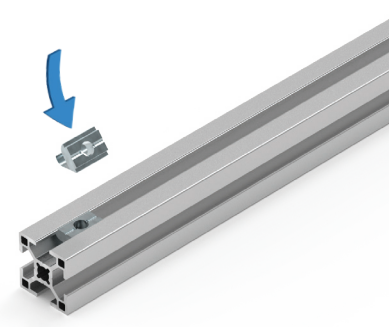
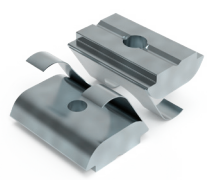
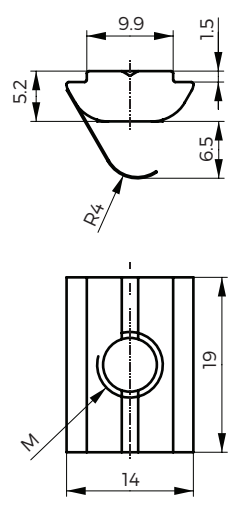
[11169](#)

T-slot nut low – Fix



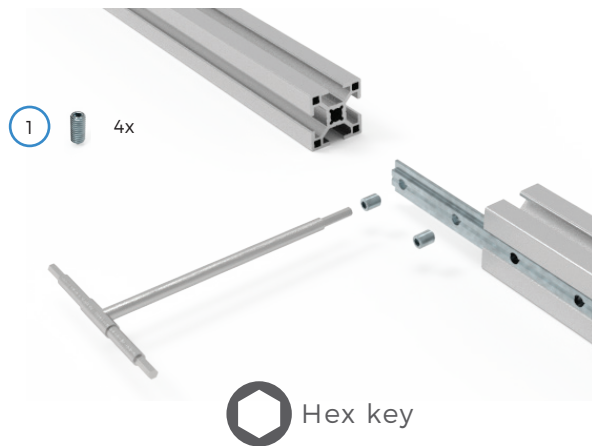
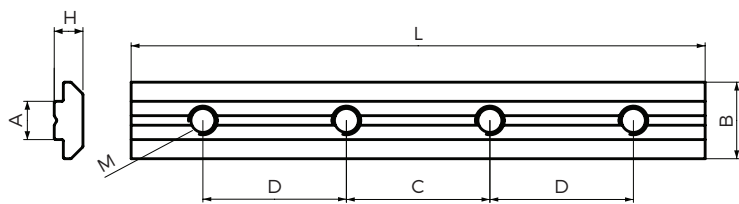
Zn Fe	8/10	M1	M2	A	B	D	H1	H2	Weight	Code
	8	4	6	10.8	17.8	7.9	0.5	6	4 g	11170
	10	4	8	14.1	20	9.9	1.5	6	8 g	11171

T-slot nut with spring



Zn Fe	10	M	Weight	Code
		4	8 g	11079
		5	8 g	11080
		6	8 g	11081
		8	7 g	11082

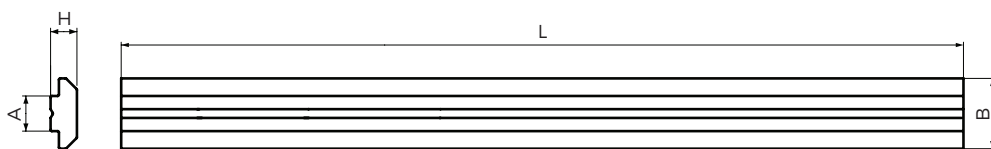
Linear coupling U8/U10



Zn Fe	8/10	L	M	A	B	D	C	H	Weight	Code	
		8	120 mm	6	8	16	35	35	6	63 g	11083
		10	90 mm	8	9.8	19.5	15	30	10.4	91 g	11176
		10	180 mm	8	9.8	19.5	60	30	10.4	188 g	11095

8/10	Components – possible additional purchase	Hex key	Code
8	Threaded pin M6 x 8	page 43	3 11031
10	Threaded pin M8 x 14	page 43	4 11034

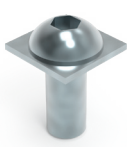
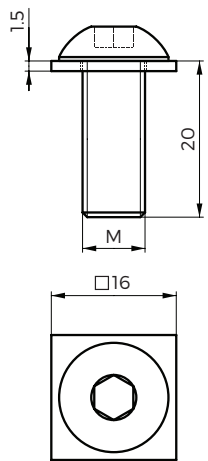
Profile – grooved – Fe U8/U10



Fe	8/10	L	A	B	H	Weight	Code
		8	1500 mm	8	16	6	580 g/m 11094
		10	1500 mm	9.8	19.5	11	1100 g/m 11096

No holes - not zinc-plated.

Coupling set – frontal U8

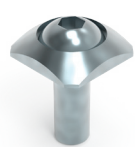
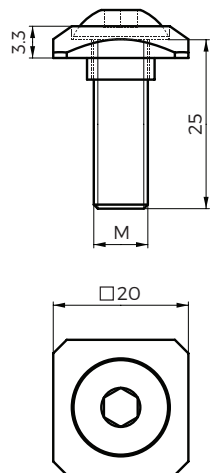


Hex key 5



Zn Fe		M		Code
	8		12 g	11097

Coupling set – front U10

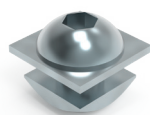
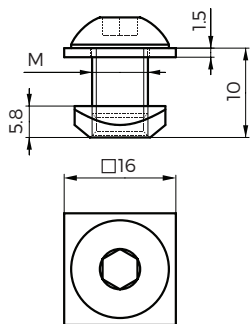


Hex key 5

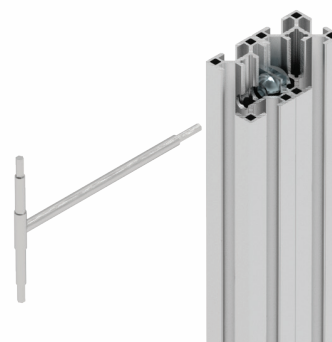


Zn Fe		M		Code
	10		20 g	11098

Coupling set – side U8/U8

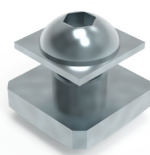
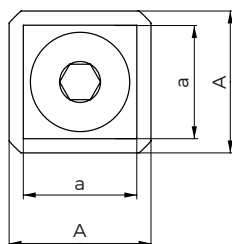
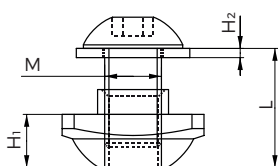


Hex key 5

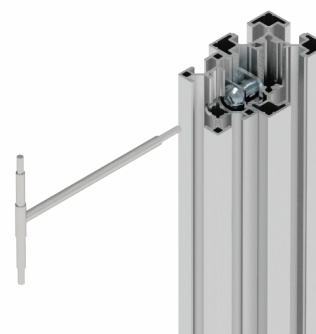


Zn Fe	8/8	M		Code
		8	12 g	11099

Coupling set – side U8/U10

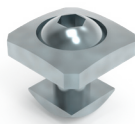
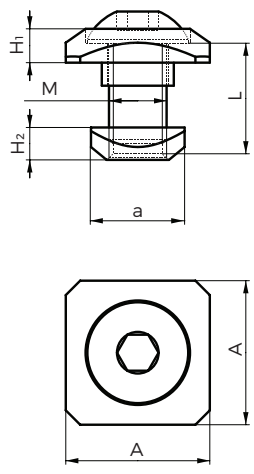


Hex key 5

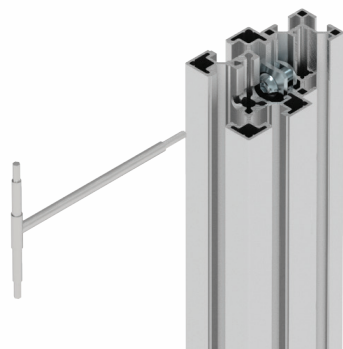


Zn Fe	8/10	M	L	A	a	H ₁	H ₂		Code
		8	14	20	16	6.3	1.5	22 g	11140

Coupling set – side U10/U8

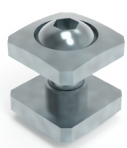
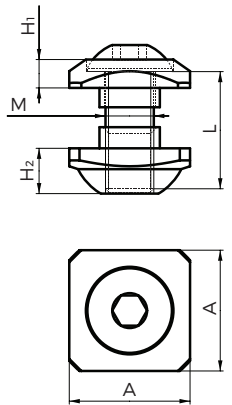


Hex key 5

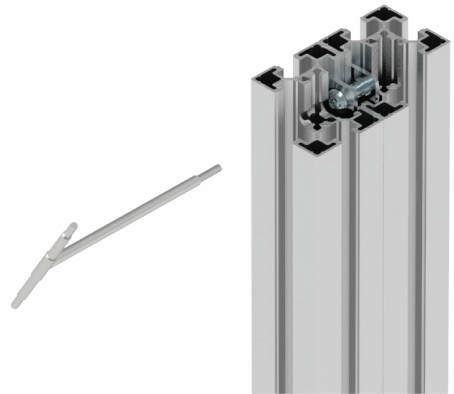


Zn Fe	10/8	M	L	A	a	H ₁	H ₂		Code
		8	14	20	16	3.3	5.8	18 g	11141

Coupling set – side U10/U10

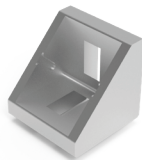
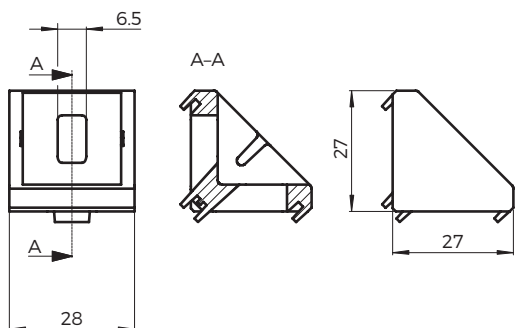


Hex key 5

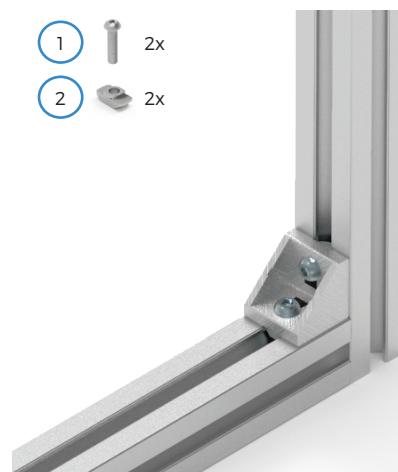


Zn Fe	10/10	M	L	A	H ₁	H ₂		Code
		8	20	20	3.3	6.3	33 g	11100

Al. angle piece 30 x 30



- 1 2x
- 2 2x



Zn



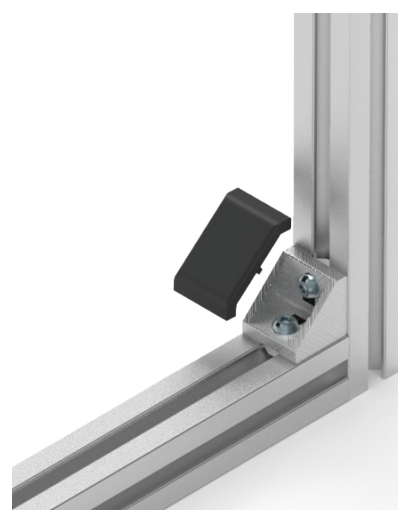
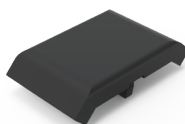
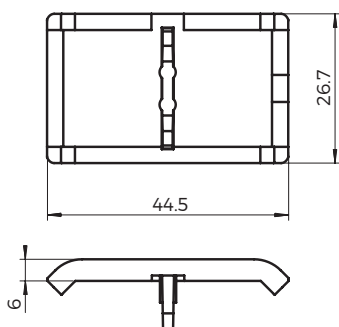
Code

20 g

11101

Components – possible additional purchase			Code
1	Lenticular head screw M6 x 12	page 42	11017
2	Hammer-head nut M6	page 47	11057

Angle piece cover 30 x 30



PA6
#

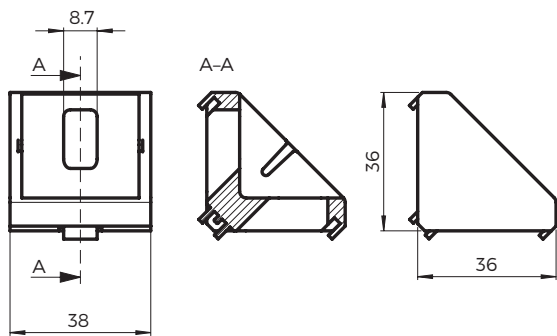


Code

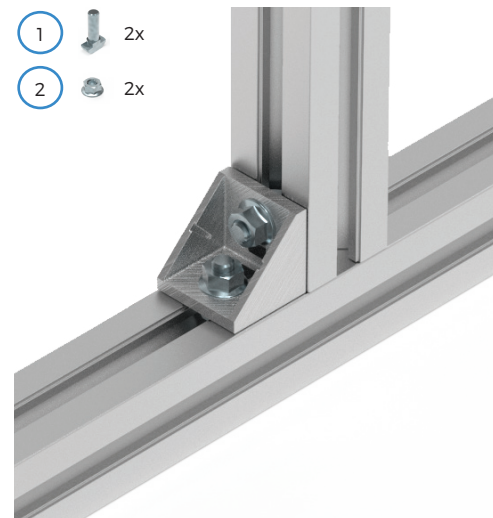
6 g

11102

Al. angle piece 40 x 40



- 1 2x
- 2 2x



Zn



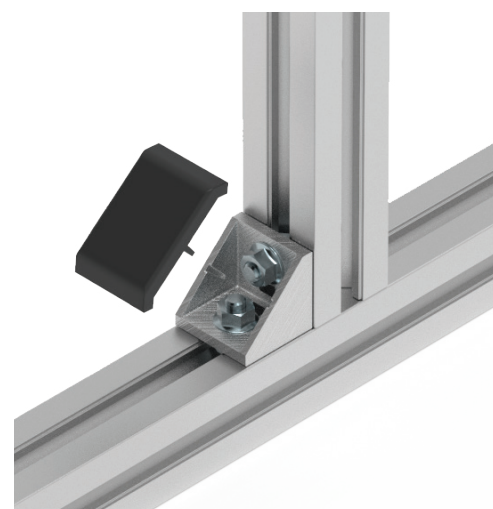
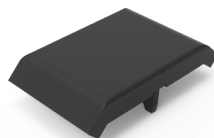
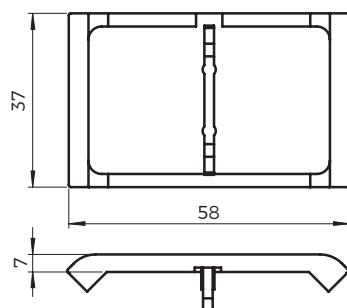
Code

34 g

11142

Components – possible additional purchase			Code
1	Hammer-head screw M8 x 20	page 44	11047
2	Flanged nut M8 Ø16	page 45	11052

Angle piece cover 40 x 40



PA6
#

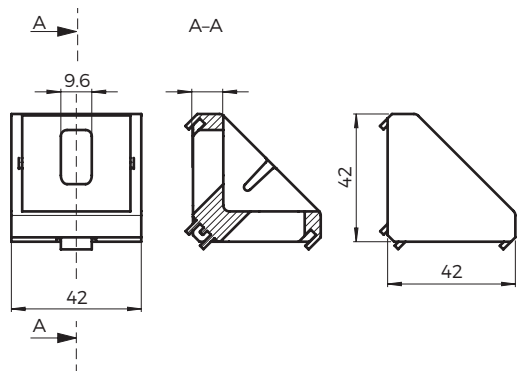


Code

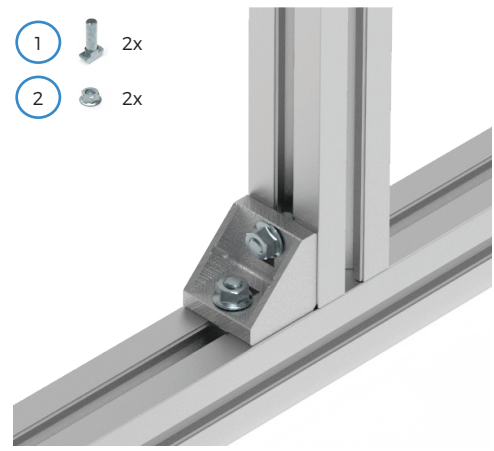
11 g

11143

Al. angle piece 45 x 45



- 1 2x
- 2 2x



Zn

10



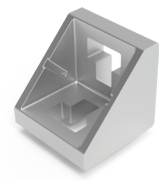
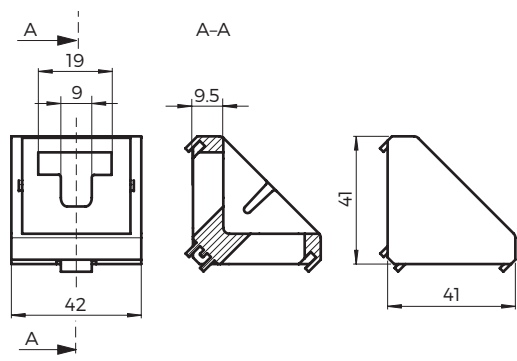
Code

50 g

11103

	Components – possible additional purchase		Code
1	Hammer-head screw M8 x 25	page 44	11048
2	Flanged nut M8 Ø16	page 45	11052

Al. angle piece 45 x 45 T



- 1 2x
- 2 2x



Zn

10



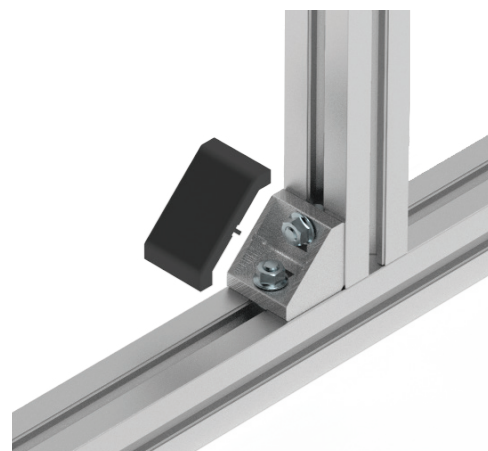
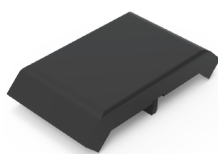
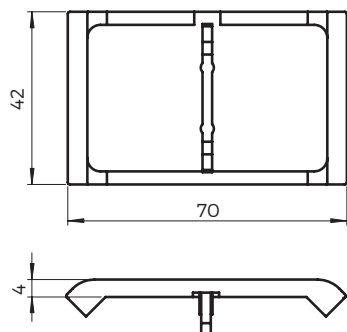
Code

34 g

11161

	Components – possible additional purchase		Code
1	Hammer-head screw M8 x 25	page 44	11048
2	Flanged nut M8 Ø16	page 45	11052

Angle piece cover 45 x 45



PA6
#

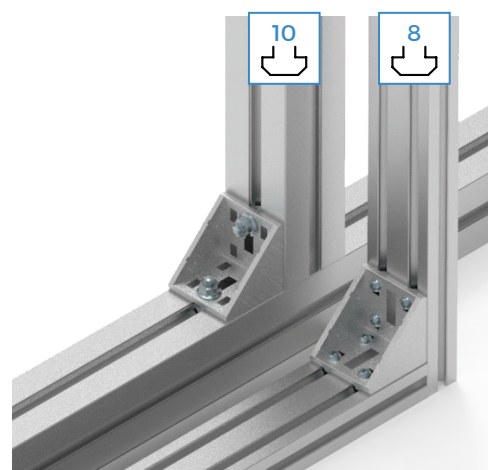
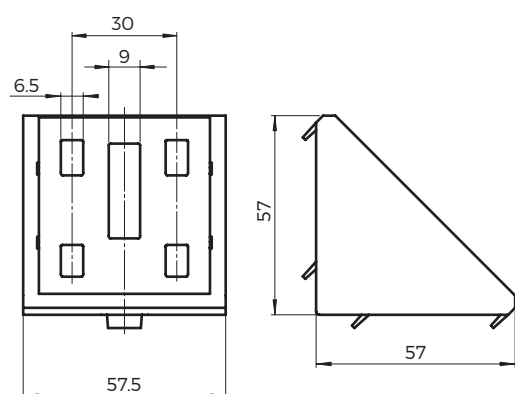


Code

16 g

11104

Al. angle piece 60 x 60



Zn

8/10



Code

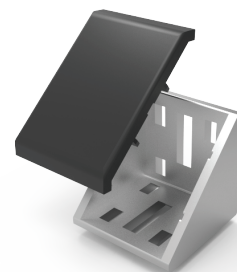
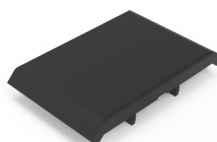
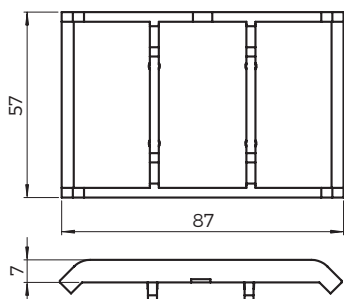
108 g

11105



	Components – possible additional purchase		Code
1	Lenticular head screw M6 x 12	page 42	11017
2	Hammer-head nut M6 U8	page 47	11057
	Components – possible additional purchase		Code
1	Hammer-head screw M8 x 25	page 44	11048
2	Flanged nut M8 Ø16	page 45	11052

Angle piece cover 60 x 60



PA6
#

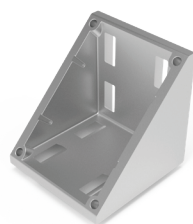
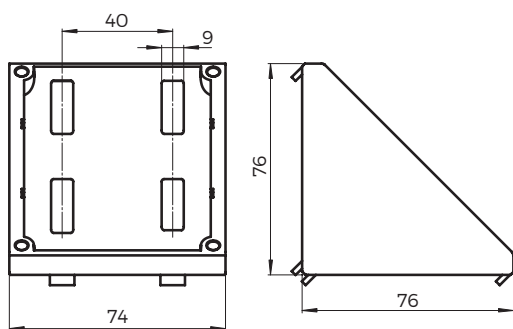


Code

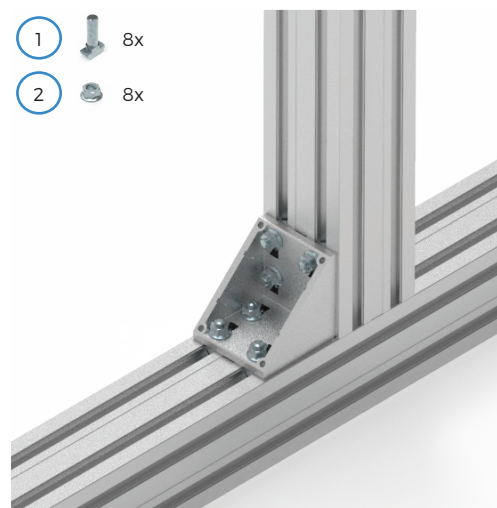
28 g

11106

Al. angle piece 80 x 80



- 1 8x
- 2 8x



Zn



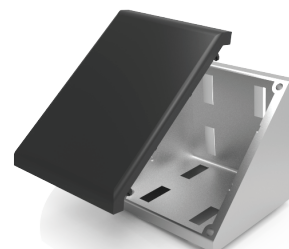
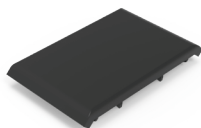
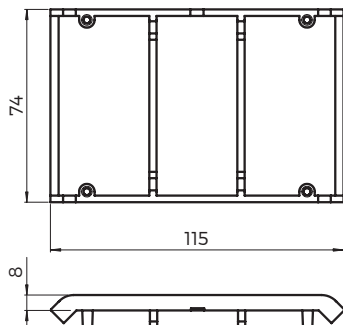
Code

212 g

11087

Components – possible additional purchase			Code
1	Hammer-head screw M8 x 25	page 44	11048
2	Flanged nut M8 Ø16	page 45	11052

Angle piece cover 80 x 80



PA6
#

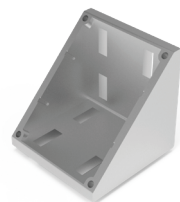
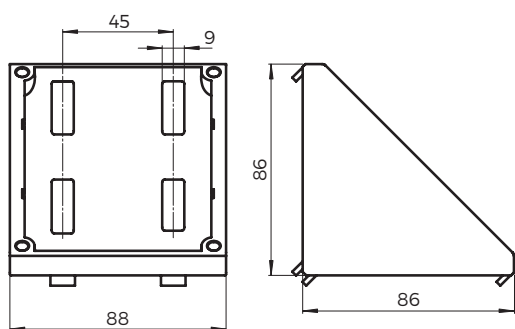


Code

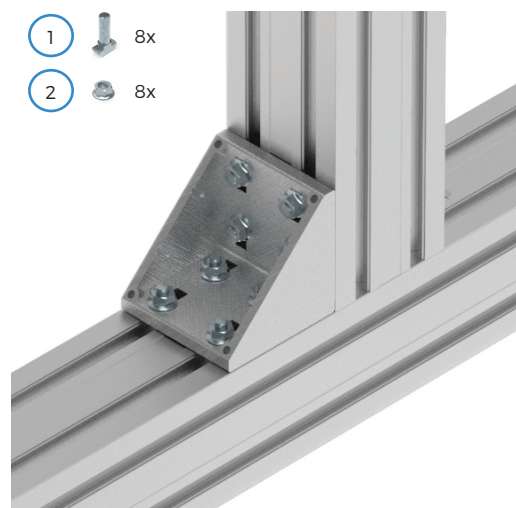
42 g

11088

Al. angle piece 90 x 90



- 1 8x
- 2 8x



Zn

10



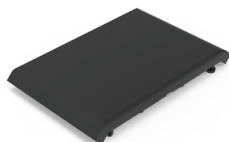
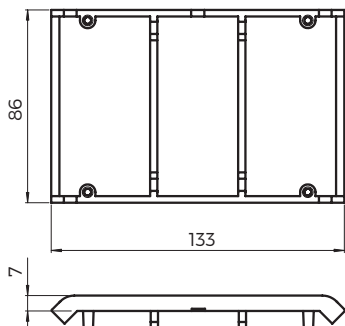
Code

337 g

11107

Components – possible additional purchase			Code
1	Hammer-head screw M8 x 25	page 44	11048
2	Flanged nut M8 Ø16	page 45	11052

Angle piece cover 90 x 90



PA6
#

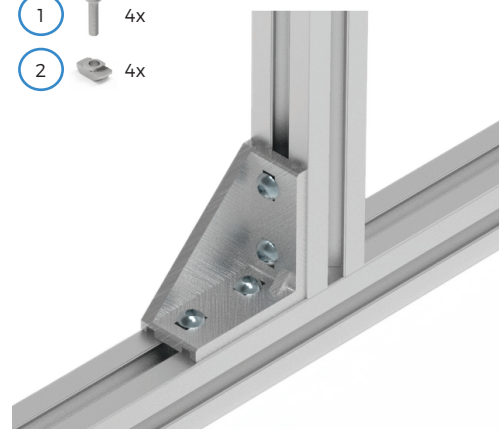
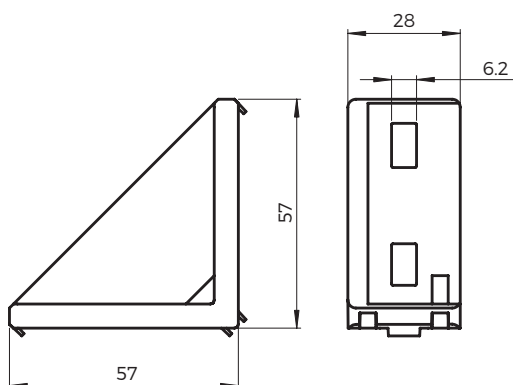


Code

63 g

11108

Al. angle piece 30 x 60



Zn



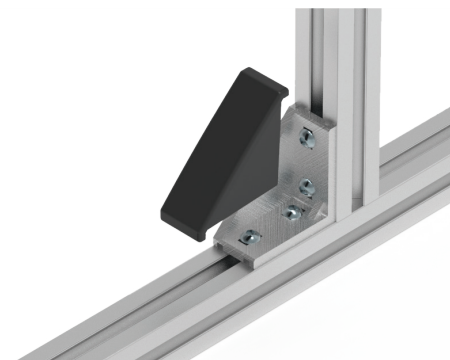
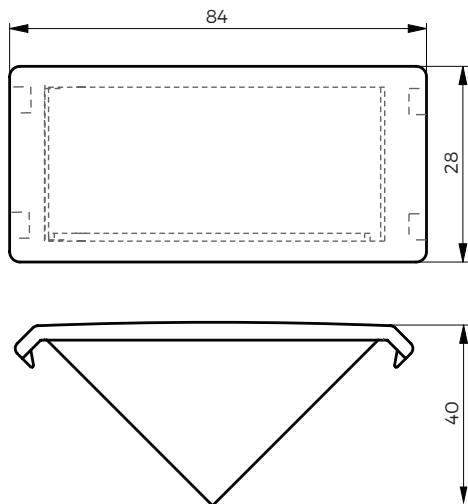
Code

56 g

11109

Components – possible additional purchase			Code
1	Lenticular head screw M6 x 12	page 42	11017
2	Hammer-head nut M6 U8	page 47	11057

Angle piece cover 30 x 60



PA6
#

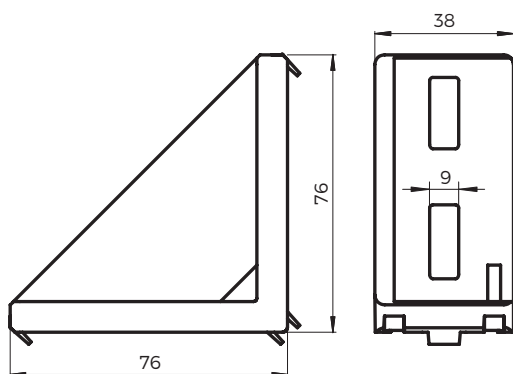


Code

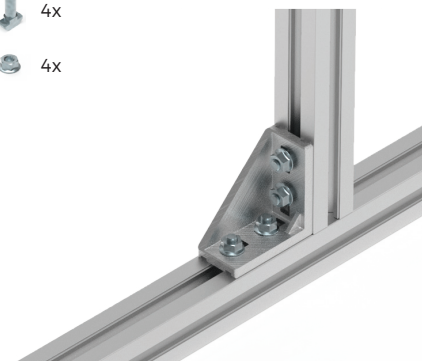
14 g

11163

Al. angle piece 40 x 80



- 1 4x
- 2 4x



Zn



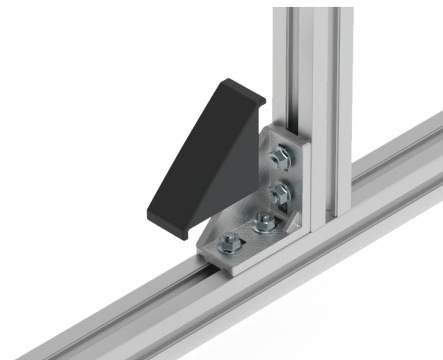
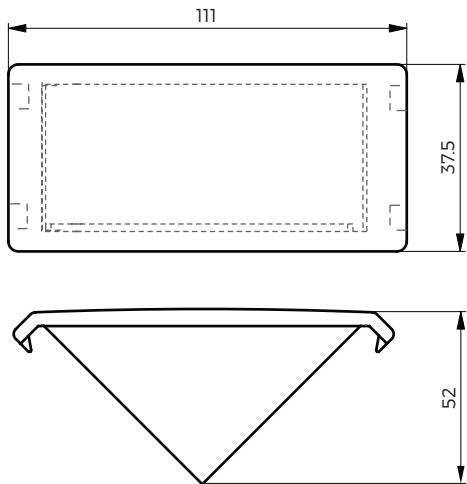
Code

116 g

11084

Components – possible additional purchase			Code
1	Hammer-head screw M8 x 25	page 44	11048
2	Flanged nut M8 Ø16	page 45	11052

Angle piece cover 40 x 80



PA6
#

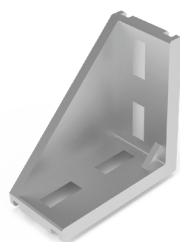
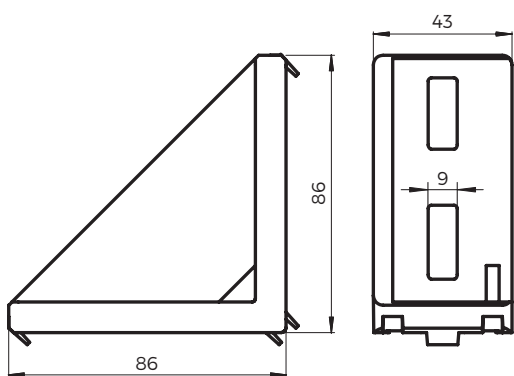


Code

26 g

11085

Al. angle piece 45 x 90



- 1 4x
- 2 4x



Zn



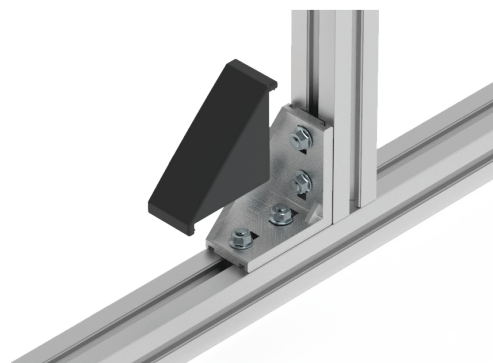
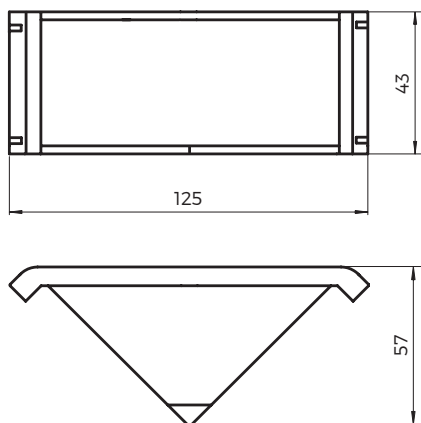
Code

154 g

11110

Components - possible additional purchase			Code
1	Hammer-head screw M8 x 25	page 44	11048
2	Flanged nut M8 Ø16	page 45	11052

Angle piece cover 45 x 90



PA6
#

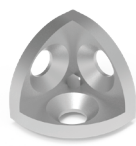
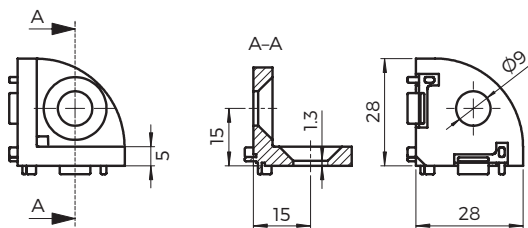


34 g

Code

11086

Angle piece – corner 30 x 30



1 3x



Zn



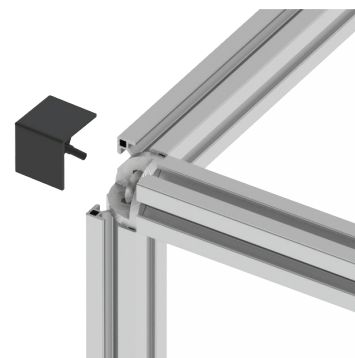
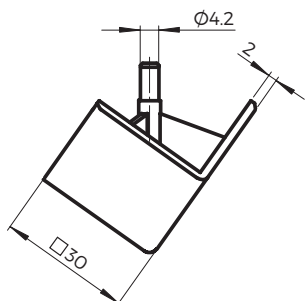
38 g

Code

11111

Components – possible additional purchase		Code
1	Socket screw M8 x 25	11029

Angle piece cover – corner 30 x 30



PA6
#

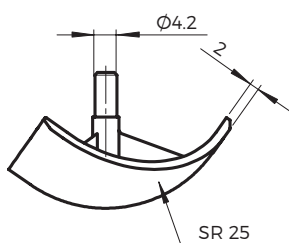


Code

8 g

11112

Angle piece cover – corner 30 x 30 R



PA6
#

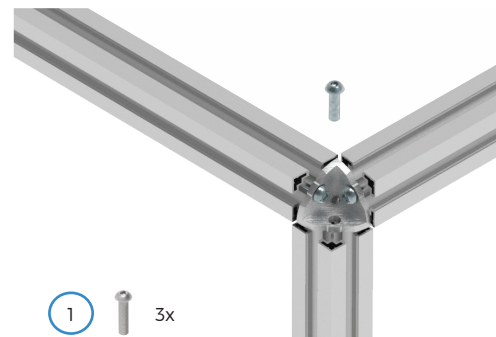
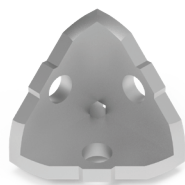
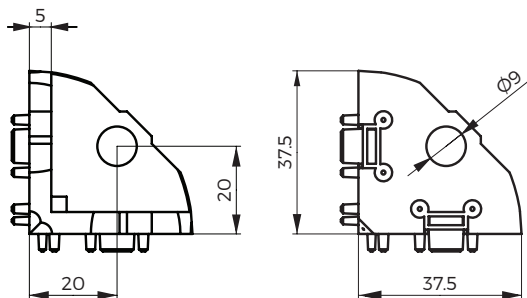


Code

6 g

11113

Angle piece – corner 40 x 40



1 3x

Zn



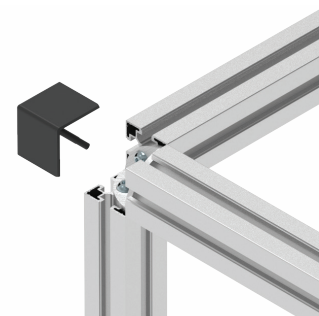
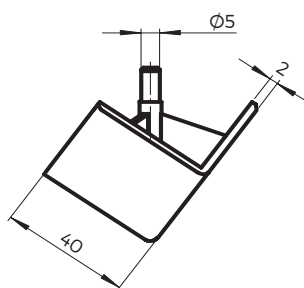
76 g

Code

11145

Components – possible additional purchase		Code
1	Lenticular head screw M8 x 25	page 42 11024

Angle piece cover – corner 40 x 40



PA6
#

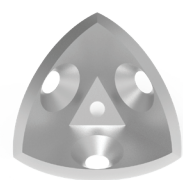
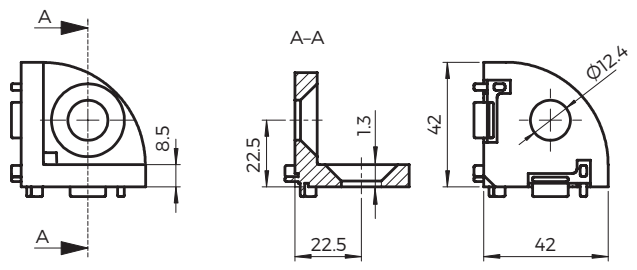


16 g

Code

11146

Angle piece – corner 45 x 45



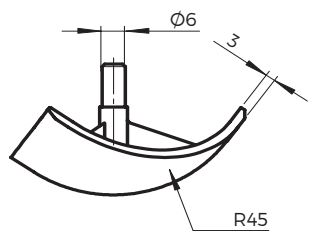
1 3x

Zn	10		Code
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46 g **11114**

Components - possible additional purchase		Code
1	Socket screw M8 x 25	page 42 11029

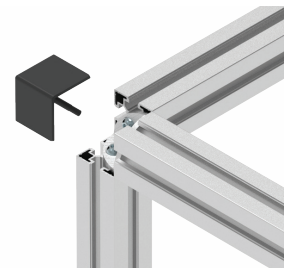
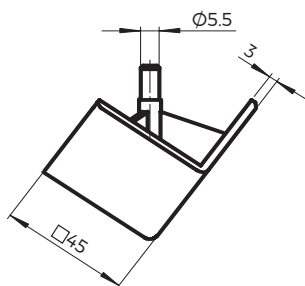
Angle piece cover – corner 45 x 45 R



PA6 #		Code
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18 g **11115**

Angle piece cover – corner 45 x 45



PA6
#

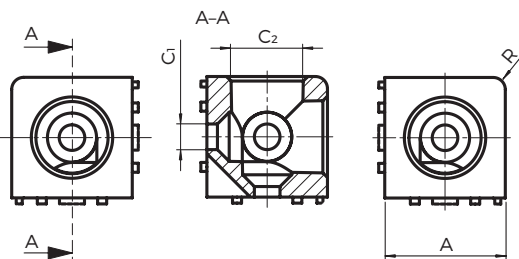


Code

16 g

11172

Angle piece cube 3D



1 3x

Al

8/10

A

C1

C2

R



Code

8

30

9

18

2

38 g

11147

10

40

8.5

24

4

94 g

11148

10

45

13

24

3

140 g

11149

Components – possible additional purchase

Code

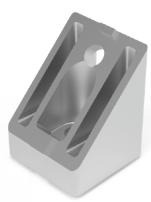
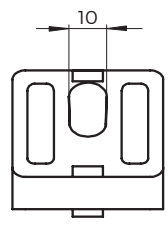
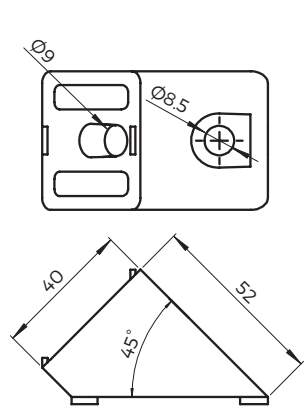
1

Socket screw M8 x 25

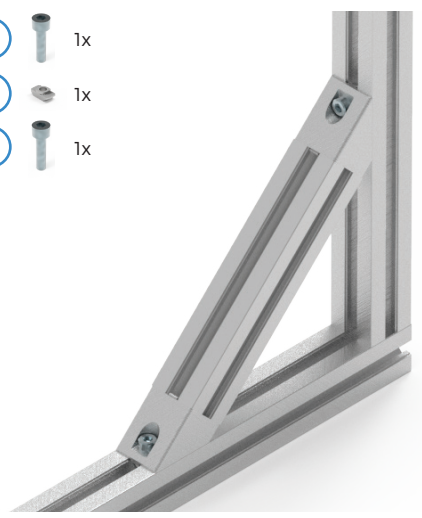
page 43

11029

Angle piece 40 x 40 – 45°



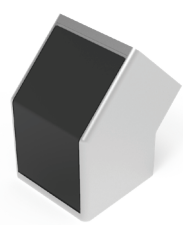
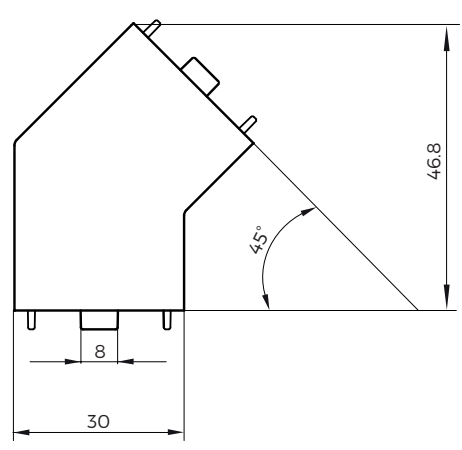
- 1 1x
- 2 1x
- 3 1x



Zn	10		Code
		208 g	11144

	Components – possible additional purchase		Code
1	Cylinder-head screw M8 x 16	page 42	11007
2	Hammer-head nut M8 U10	page 47	11061
3	Cylinder-head screw M8 x 20	page 42	11008

Angle piece 30 x 30 – 45°



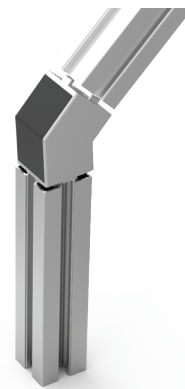
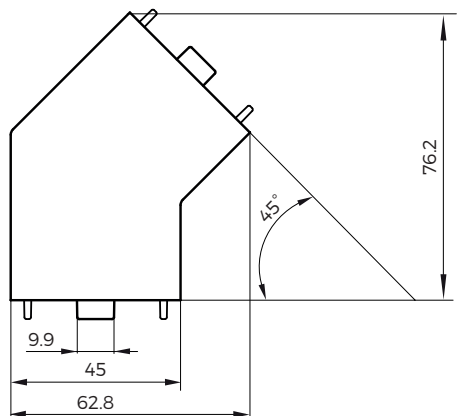
- 1 2x



Al	8		Code
		50 g	11167

	Components – possible additional purchase		Code
1	Cylinder-head screw M8 x 20	page 42	11008

Angle piece 45 x 45 – 45°



Al



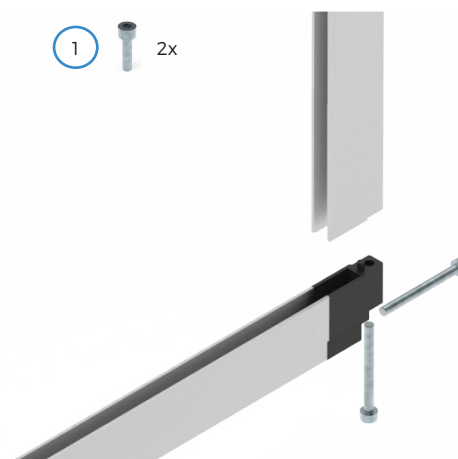
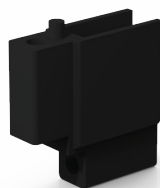
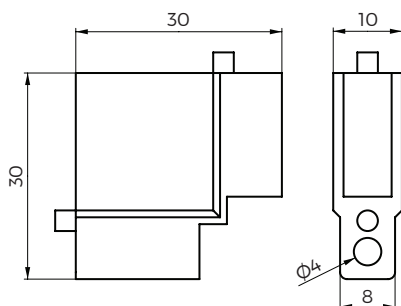
Code

208 g

11091

	Components – possible additional purchase		Code
1	Cylinder-head screw M8 x 40	page 42	11010
2	Grooved washer U10	page 46	11054

Mesh profile angle piece



PP



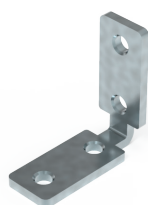
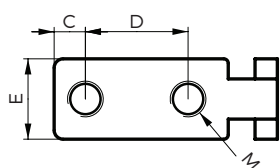
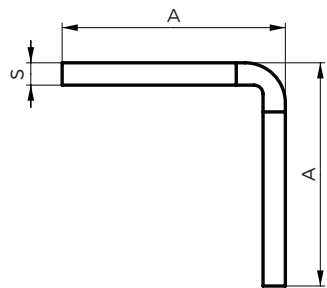
Code

4 g

11116

	Components – possible additional purchase		Code
1	Cylinder-head screw M4 x 40	page 42	11026

Angle piece – internal 90°

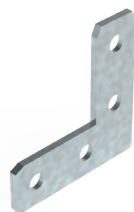
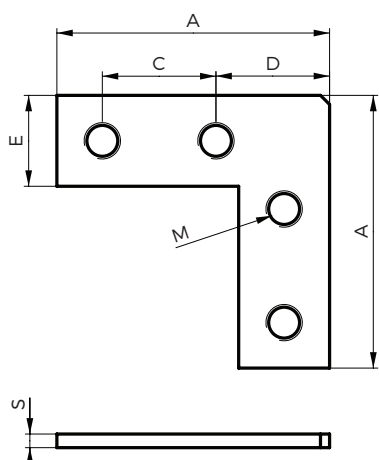


Zn Fe	8/10	M	A	C	D	E	S		Code
	8	6	40	7	20	16	3	24 g	11117
	10	8	50	7	22.5	18	3	32 g	11157*
	10	8	50	7	22.5	18	5	50 g	11118

*Only for profile 40 x 40

		Components – possible additional purchase		Code
8	1	Threaded pin M6 x 8	page 43	11031
10	2	Threaded pin M8 x 10	page 43	11033

Angle piece – external 90°

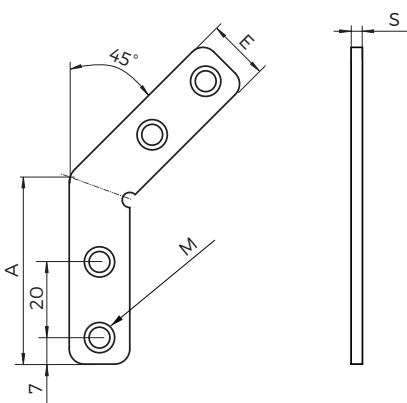


- ① 4x
- ② 4x

Zn Fe	8/10	M	A	C	D	E	S		Code
	8	6	46	20	19	16	3	36 g	11119
	10	8	60	25	25	20	3	42 g	11120

	Components – possible additional purchase			Code
8	①	Threaded pin M6 x 8	page 43	11031
10	②	Threaded pin M8 x 10	page 43	11033

Angle piece – external 45°

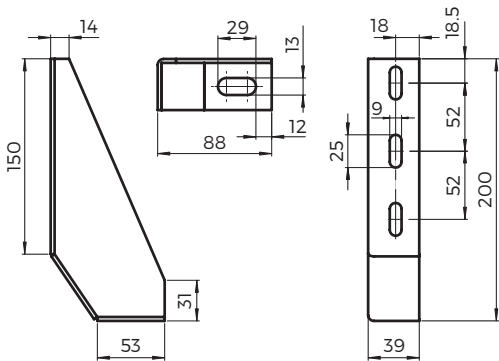


- ① 4x

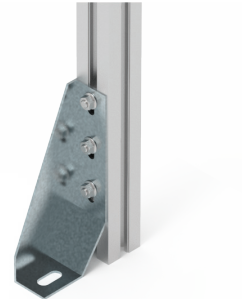
Zn Fe	10	M	A	E	S		Code
	10	8	45	16	3	100 g	11093

Components – possible additional purchase			Code
①	Threaded pin M8 x 10	page 43	11033

Angle piece – base



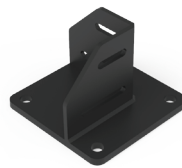
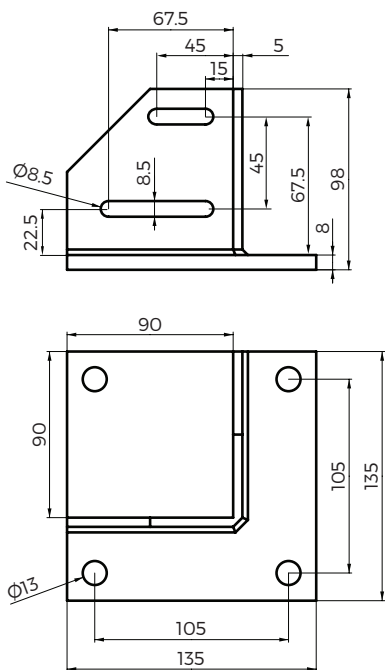
- 1 3x
- 2 3x



Zn Fe			Code
		434 g	11121

Components – possible additional purchase			Code
1	Hammer-head screw M8 x 20	page 44	11047
2	Flanged nut M8 Ø16	page 45	11052

Base plate – universal



- 1 4x
- 2 4x
- 1 6x
- 2 6x



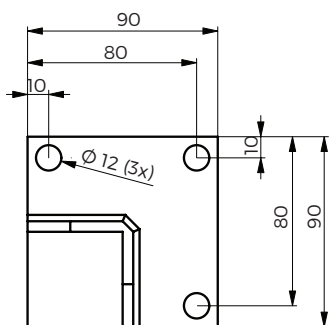
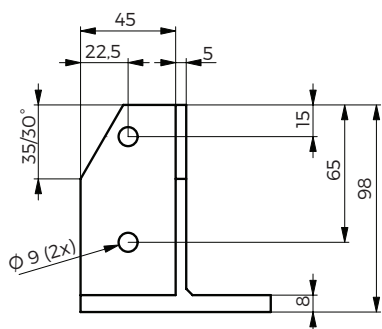
Zn Fe			Code
		1 718 g	11137*

		Components – possible additional purchase	Code
8	1	Lenticular head screw M8 x 14	page 42 11022
	2	Grooved nut M8	page 48 11064
10	1	Hammer-head screw M8 x 20	page 44 11047
	2	Flanged nut M8 Ø16	page 45 11052

*For profiles

30 x 30, 30 x 60, 30 x 90 |
 40 x 40, 40 x 80 |
 45 x 45, 45 x 90, 45 x 60 |
 60 x 60 | 80 x 80 | 90 x 90

Base plate for 45 x 45



- 1 4x
- 2 4x



Zn
Fe



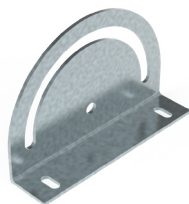
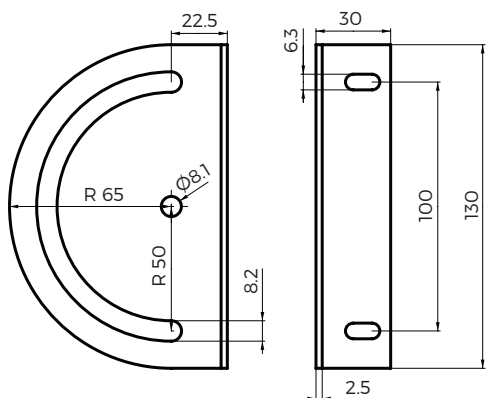
904 g

Code

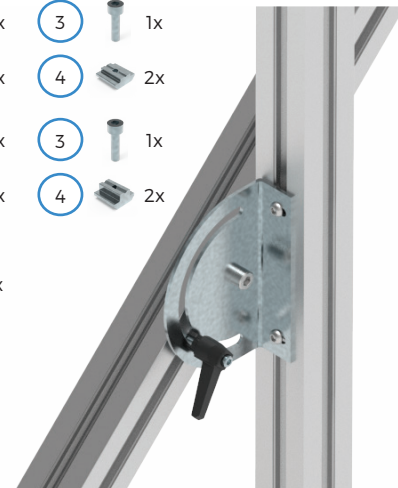
11160

	Components – possible additional purchase		Code
1	Hammer-head screw M8 x 20	page 44	11047
2	Flanged nut M8 Ø16	page 45	11052

Bracket – adjustable 180°



- 8
 - 1 2x
 - 2 2x
 - 3 1x
 - 4 2x
- 10
 - 1 2x
 - 2 2x
 - 3 1x
 - 4 2x
- 8/10
 - 5 1x



Zn
Fe



216 g

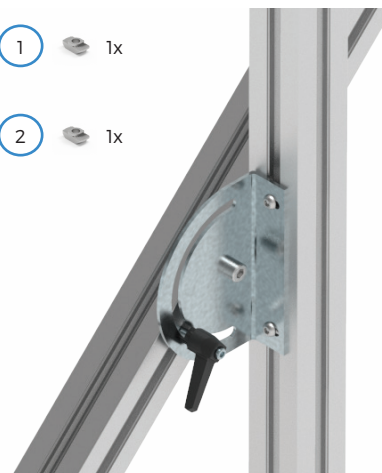
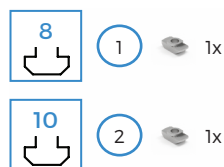
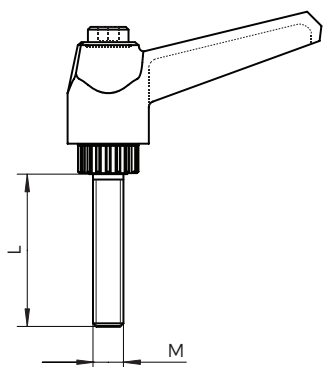
Code

11122

	Components – possible additional purchase		Code
1	Lenticular head screw M6 x 10	page 42	11016
2	T-slot nut M6 U8	page 48	11069
3	Cylinder-head screw M8 x 16	page 42	11007
4	T-slot nut M8 U8	page 48	11070
	Wide washer Ø8	-	-
5	Clamping lever	page 76	11158

	Components – possible additional purchase		Code
1	Cylinder-head screw M6 x 14	page 42	11003
2	T-slot nut M6 U10	page 50	11077
3	Cylinder-head screw M8 x 20	page 42	11008
4	T-slot nut M8 U10	page 48	11078
	Wide washer Ø6	-	-
	Wide washer Ø8	-	-
5	Clamping lever	page 76	11159

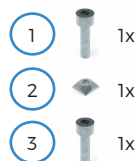
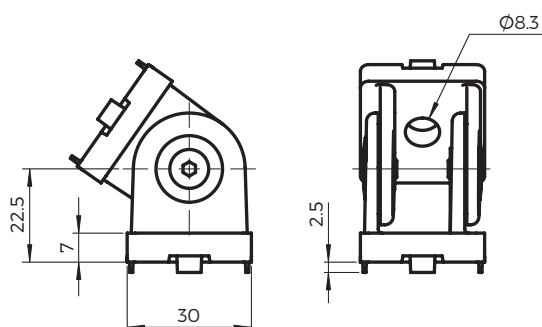
Clamping lever



Zn Fe	8/10	M	L	Weight	Code
		6	10	33 g	11158
		8	16	35 g	11159

	Components – possible additional purchase		Code
1	Hammer-head nut M6 U8	page 47	11057
2	Hammer-head nut M8 U10	page 47	11061

Joint 30 x 30

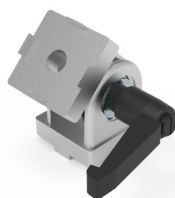
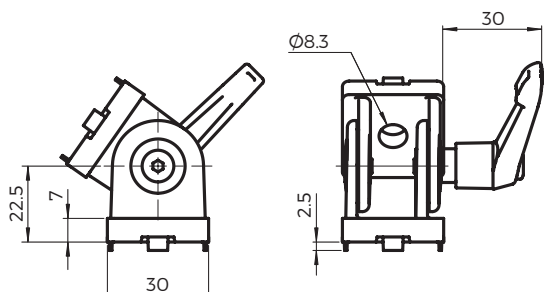


Zn Fe	8	Weight	Code
		138 g	11123

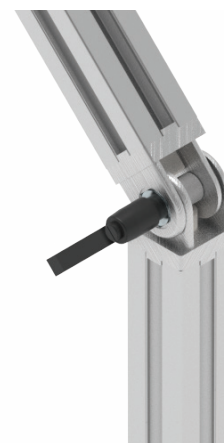
	Components – possible additional purchase		Code
1	Cylinder-head screw M8 x 16	page 42	11007
2	Grooved nut M8 U8	page 48	11064
3	Cylinder-head screw M8 x 20	page 42	11008

SURFACE AREA Laquered grey

Joint 30 x 30 with lever



1 2x



Zn

8



Code

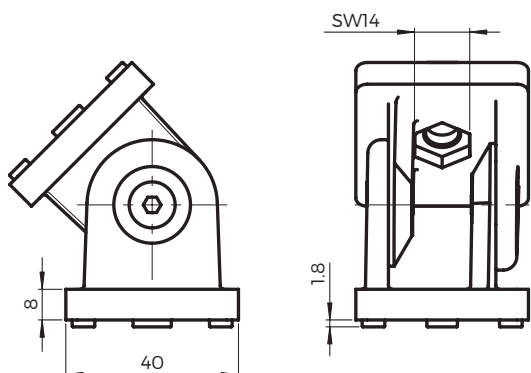
150 g

11124

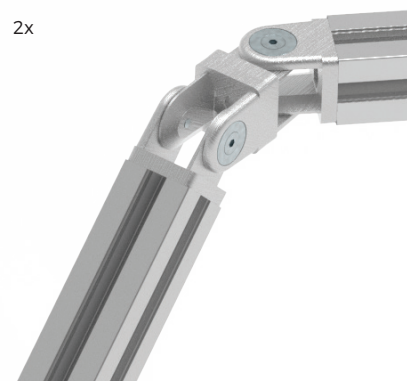
SURFACE AREA Laquered grey

Components – possible additional purchase		Code
1	Cylinder-head screw M8 x 20	page 42 11008

Joint 40 x 40



1 2x



Zn

10



Code

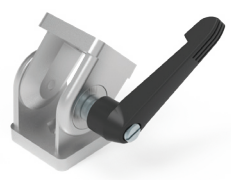
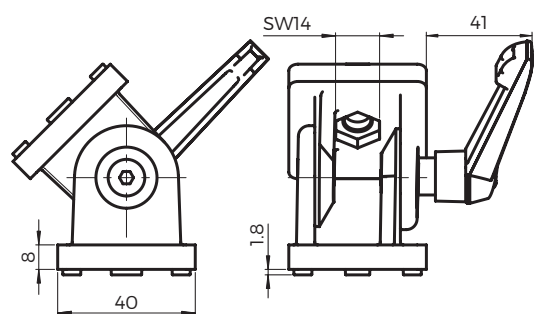
150 g

11150

SURFACE AREA Laquered grey

Components – possible additional purchase		Code
1	Cylinder-head screw M8 x 20	page 42 11008

Joint 40 x 40 with lever



1 2x

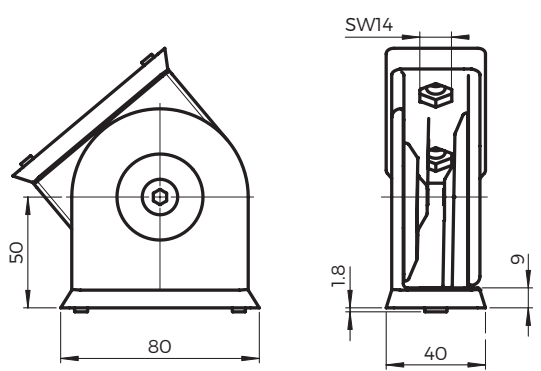


SURFACE AREA Laquered grey

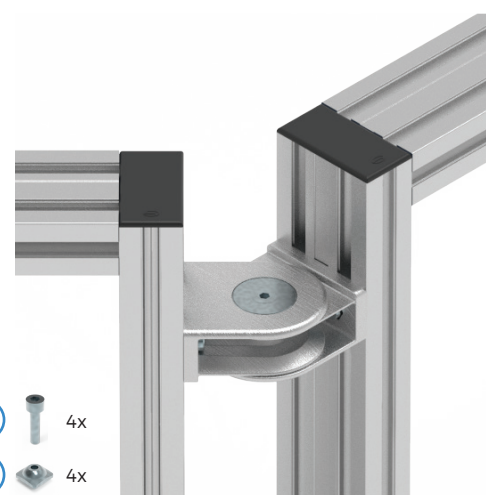
Zn 10 Code
310 g 11151

Components – possible additional purchase		Code
1	Cylinder-head screw M8 x 20	page 42 11008

Joint 40 x 80



1 4x
2 4x

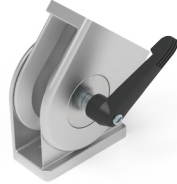
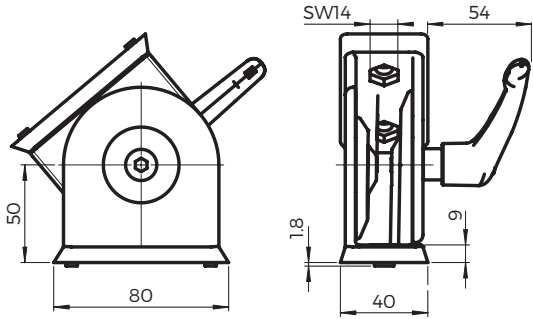


SURFACE AREA Laquered grey

Zn 10 Code
1 000 g 11089

Components – possible additional purchase		Code
1	Cylinder-head screw M8 x 16	page 42 11007
2	Grooved nut M8 U10	page 48 11066

Joint 40 x 80 with lever



Zn



Code

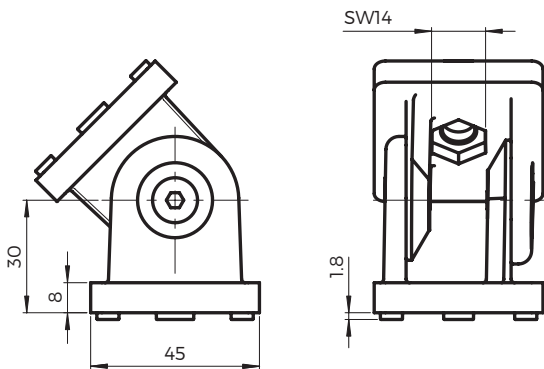
1158 g

11090

SURFACE AREA Laquered grey

Components – possible additional purchase		Code
1	Cylinder-head screw M8 x 20	page 42 11008

Joint 45 x 45



Zn



Code

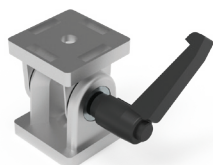
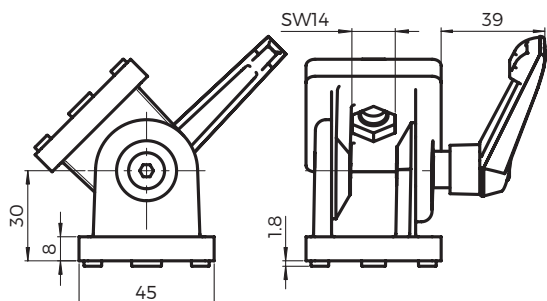
322 g

11125

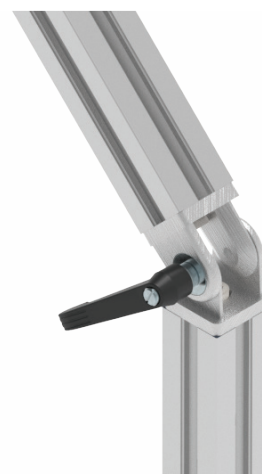
SURFACE AREA Laquered grey

Components – possible additional purchase		Code
1	Cylinder-head screw M8 x 20	page 42 11008

Joint 45 x 45 with lever



1 2x



Zn

10



Code

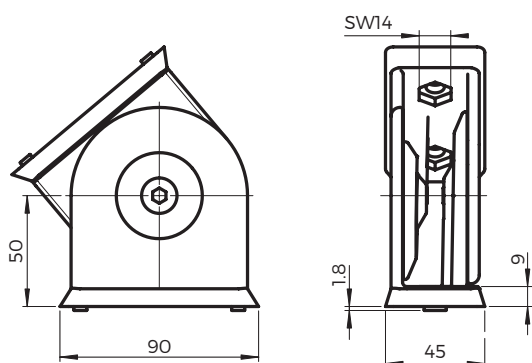
354 g

11126

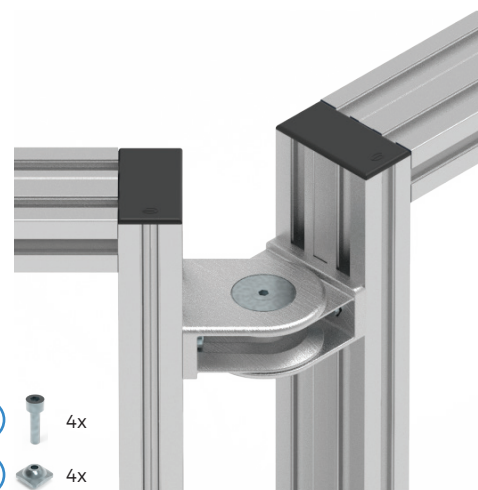
SURFACE AREA Laquered grey

Components – possible additional purchase		Code
1	Cylinder-head screw M8 x 20	page 42 11008

Joint 45 x 90



1 4x
2 4x



Zn

10



Code

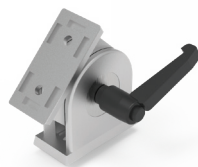
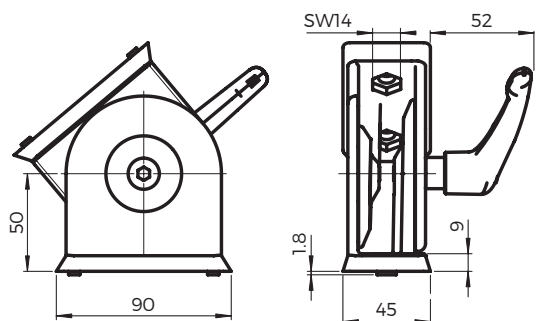
1 032 g

11127

SURFACE AREA Laquered grey

Components – possible additional purchase		Code
1	Cylinder-head screw M8 x 16	page 42 11007
2	Grooved nut M8 U10	page 48 11066

Joint 45 x 90 with lever



1 4x

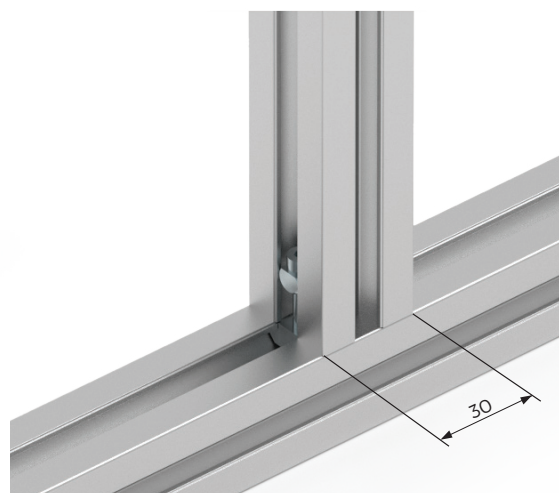
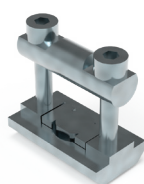
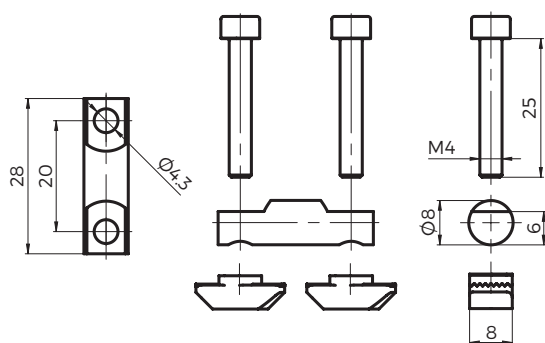


Zn	10		Code
		1166 g	11128

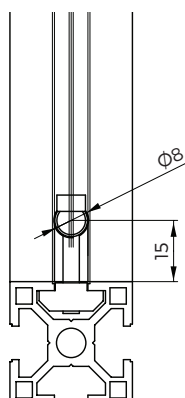
SURFACE AREA Laquered grey

Components – possible additional purchase		Code
1	Cylinder-head screw M8 x 20	11008

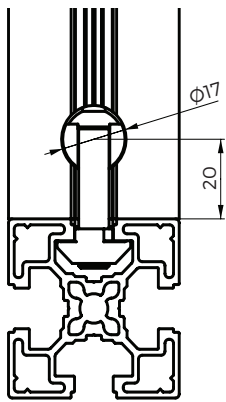
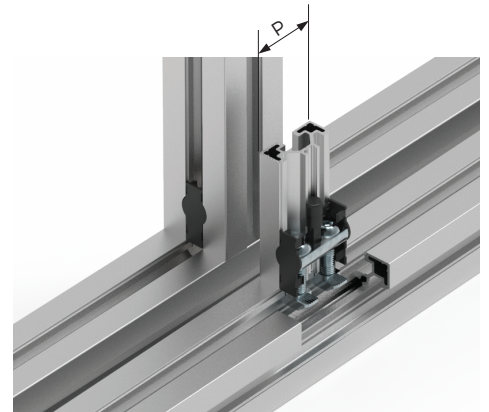
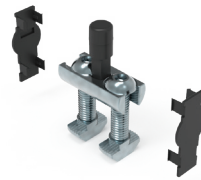
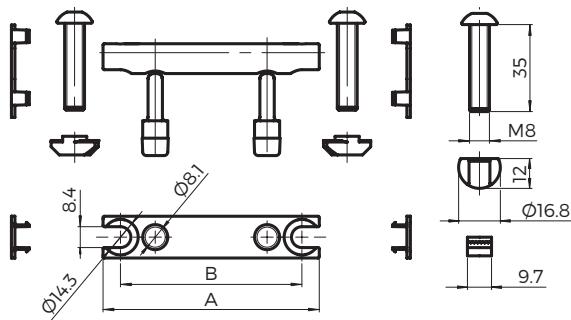
Coupling element Ø8



Zn	8		Code
		23 g	11129

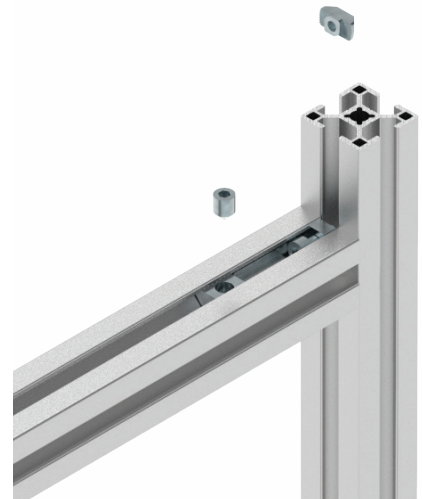
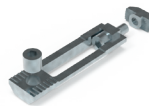
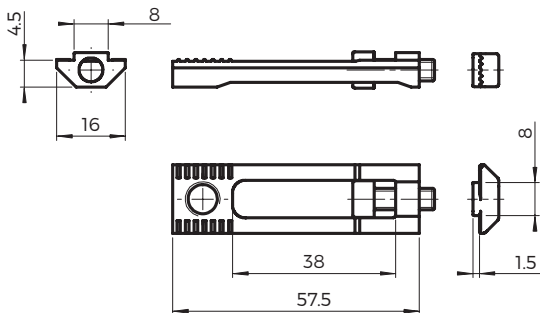


Coupling element Ø17



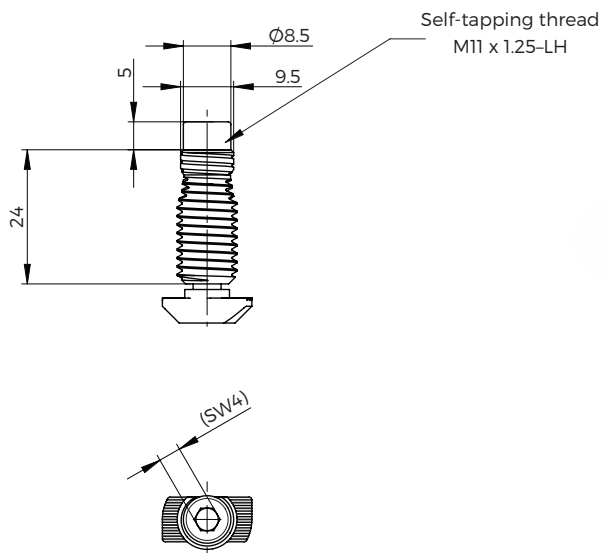
Zn Fe	10	P	A	B	Weight	Code
		40	37	23	68 g	11152
		45	42	27.5	76 g	11133
		60	57	43	95 g	11138
		80	77	63	118 g	11092
		90	87	73	130 g	11134

Profile coupling element U8



Zn Fe	8	Weight	Code
		28 g	11135

Coupling set – self-tapping screw U8



Zn
Fe

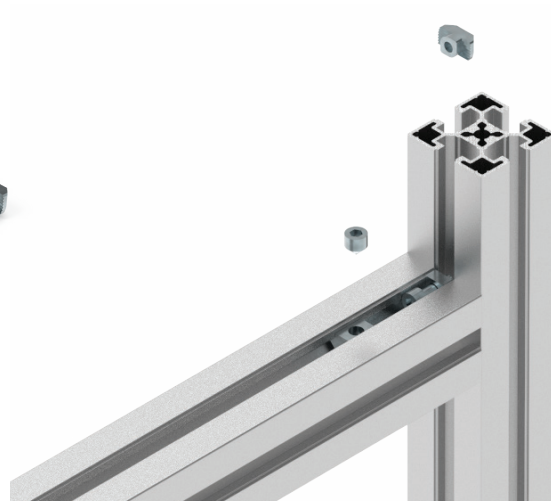
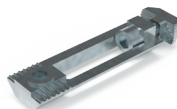
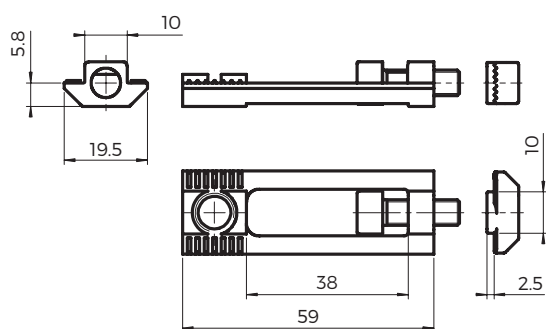


28 g

Code

11173

Profile coupling element U10



Zn
Fe

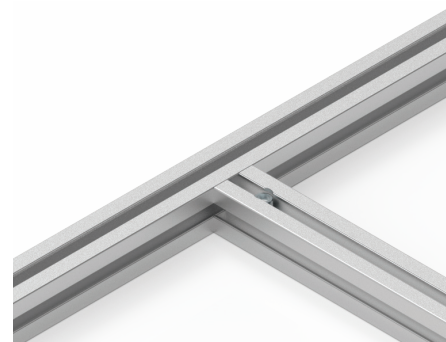
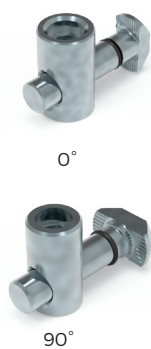
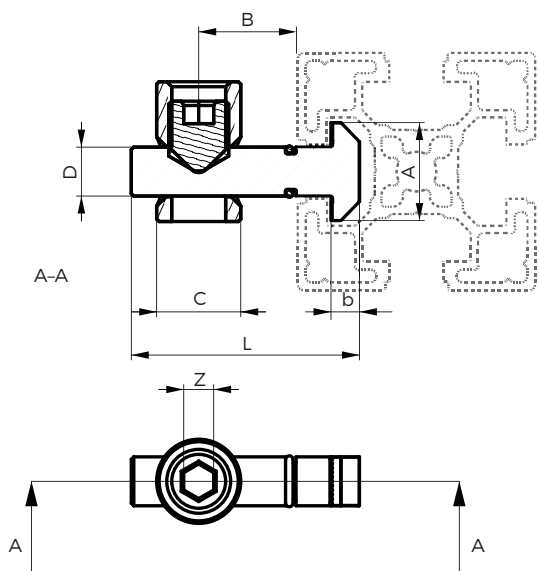


38 g

Code

11136

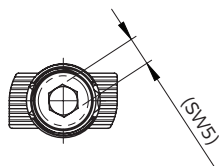
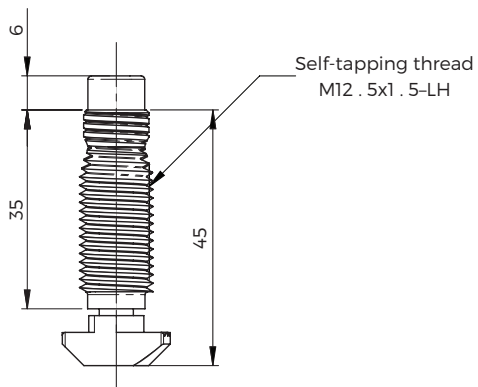
Central coupling element 0°/90°



Zn Fe	10/8 	Type	A	B	C	b	D	L	Z		Code
		8 0°	15.5	17	11	5	7	33	4	20 g	11153
		8 90°	15.5	17	11	5	7	33	4	20 g	11154
		10 0°	19.5	22	17	5.5	9.7	45.5	6	56 g	11155*
		10 90°	19.5	22	17	5.5	9.7	45.5	6	56 g	11156*

* Not suitable for profile 40 x 40.

Coupling set – self-tapping screw U10



Zn
Fe

10

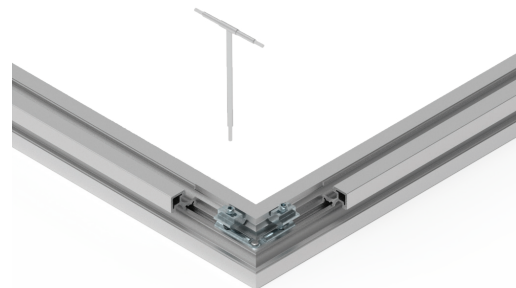
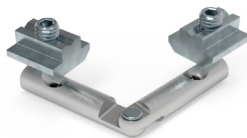
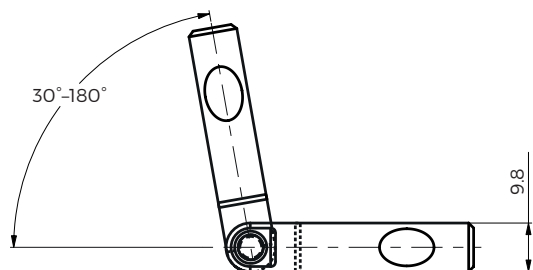
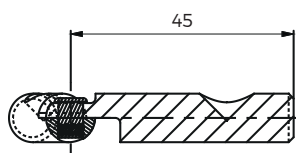


38 g

Code

11174

Coupling element 30° – 180° U10



Zn
Fe

10



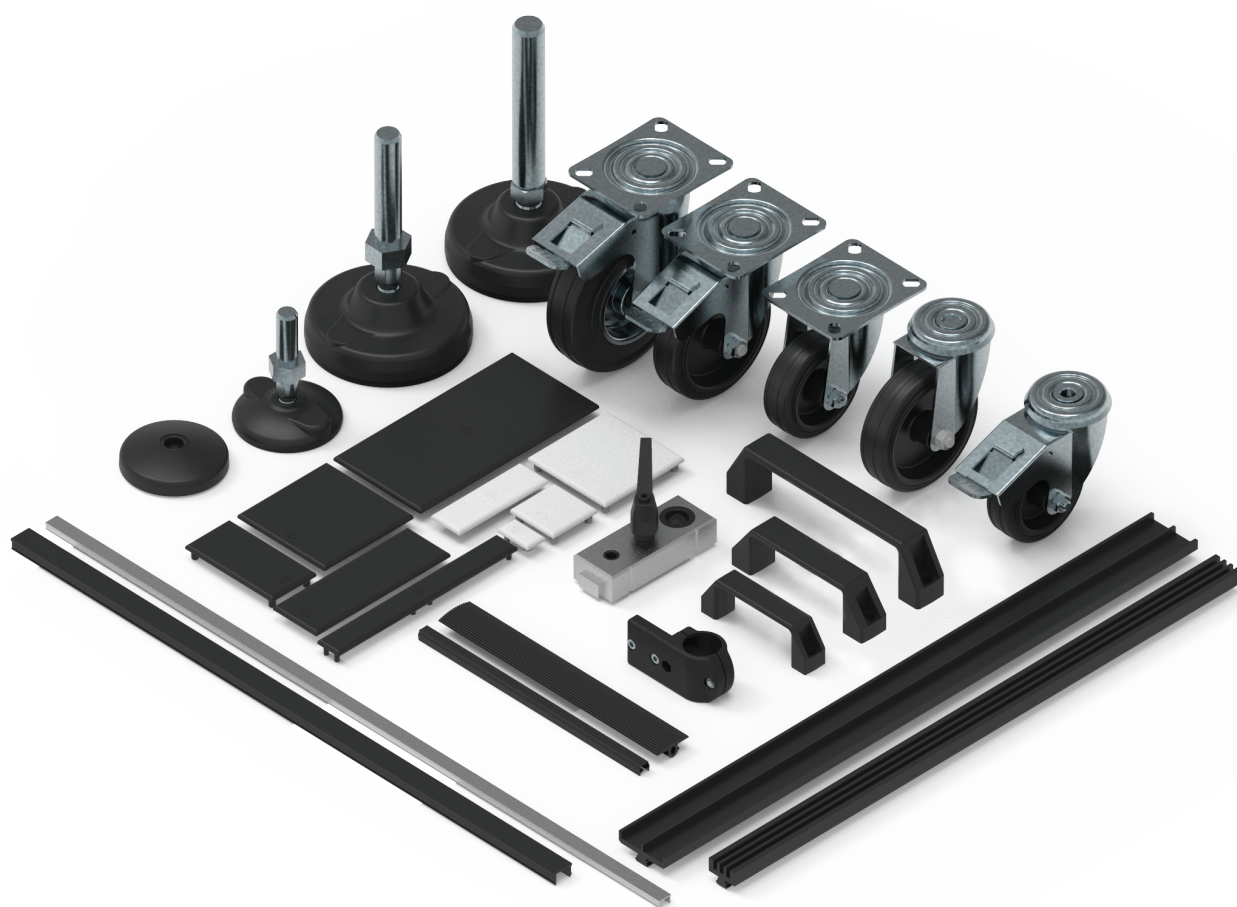
96 g

Code

11175



ACCESSORIES

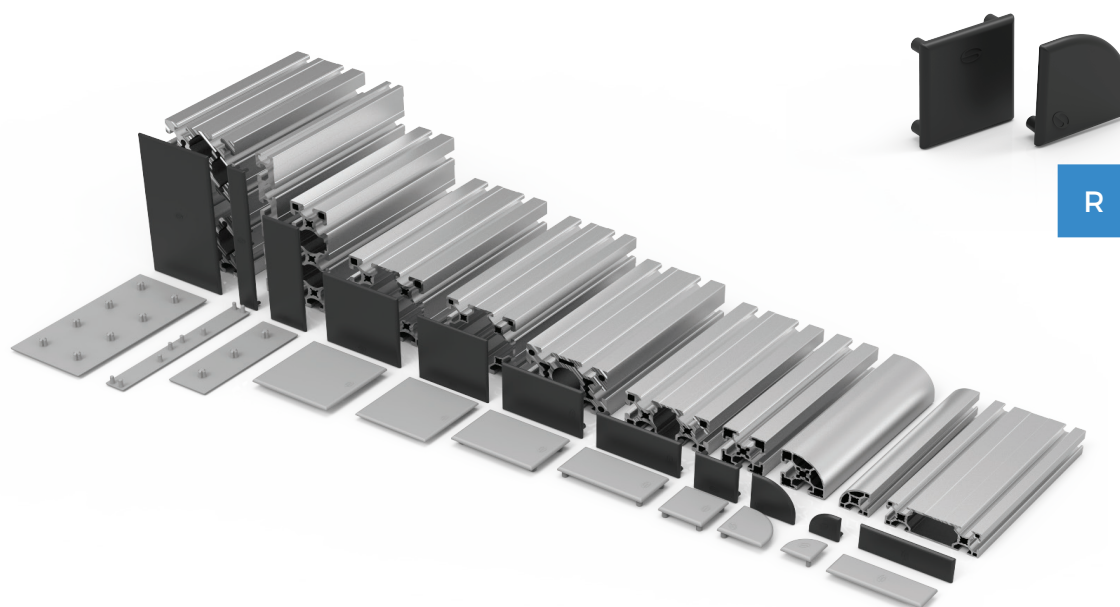




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Profile covers



R

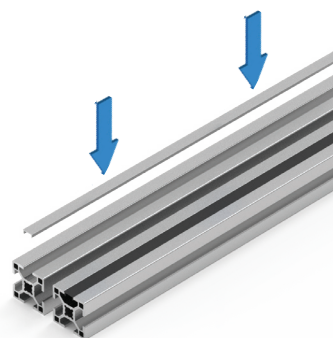
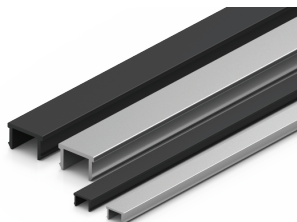
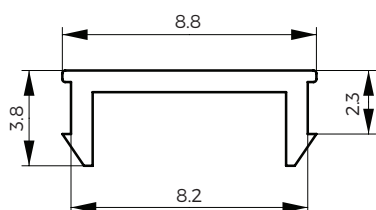
Code

PA6	Description		A	B
	PA 18.5 X 32 4 mm	2 g	12001	12127
	PA 30 X 30 4 mm	4 g	12002	12128
	PA 30 X 30 4 mm R	4 g	12003	12129
	PA 30 X 60 4 mm	8 g	12004	12130
	PA 30 X 90 4 mm	11 g	12005	12131
	PA 40 X 40 4 mm	7 g	12124	12132
	PA 40 X 80 4 mm	14 g	12143	12183
	PA 45 X 45 4 mm	10 g	12006	12133
	PA 45 X 45 4 mm R	8 g	12007	12134
	PA 45 X 60 4 mm	12 g	12008	12135
	PA 45 X 90 4 mm	50 g	12009	12136
	PA 45 X 135 4 mm	25 g	12010	12137
	PA 60 X 60 4 mm	14 g	12011	12138
	PA 60 X 90 4 mm	22 g	12012	12139
	PA 80 X 80 4 mm	28 g	12144	12184
	PA 90 X 90 4 mm	34 g	12013	12140
	PA 90 X 180 4 mm	74 g	12014	12141
	PA 22.5 X 180 4 mm	16 g	12015	12142

	A	B
PAINT	Black	Grey

Other colours on request.

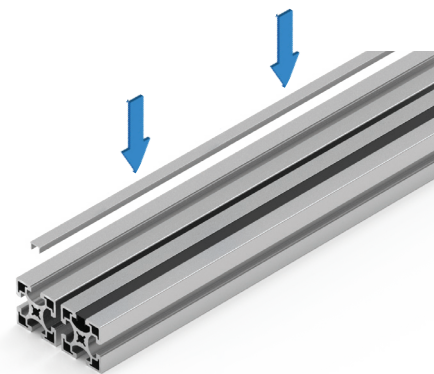
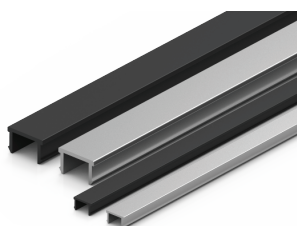
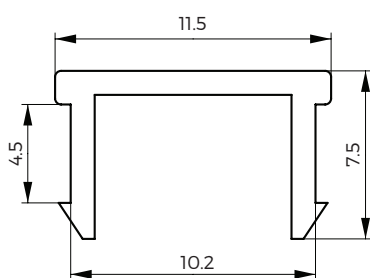
Profile – covering PA, AL



PA6	Al El	8	Description	Weight	Code
			PA 2 000 mm U8 – black*	11 g/m	12016
			PA 2 000 mm U8 – grey*	11 g/m	12017
			AL 2 000 mm U8 – natural	43 g/m	12101

* Other colours on request.

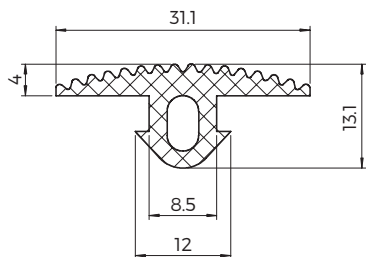
Profile – covering PA, AL



PA6	Al El	10	Description	Weight	Code
			PA 2 000 mm U10 – black*	26 g/m	12018
			PA 2 000 mm U10 – grey*	26 g/m	12019
			AL 2 000 mm U10 – natural	60 g/m	12100

* Other colours on request.

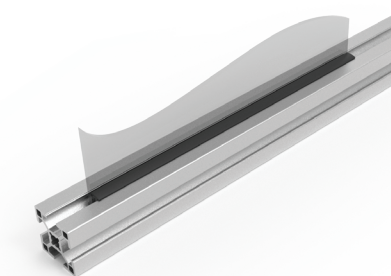
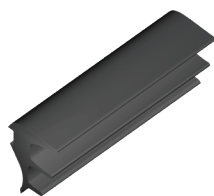
Profile – covering, black



PAINT	Black
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NBR	8	Description		Code
		Profile - covering, black	206 g/m	12115

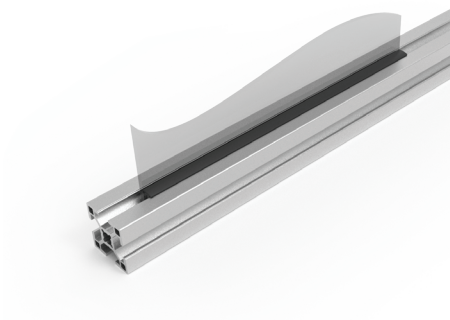
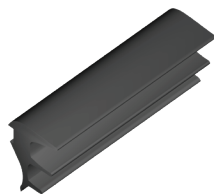
Filler rubber, 1.5-2



PAINT	Black
-------	-------

TPE	10	Description		Code
		Filler rubber, 1.5-2 mm	112 g/m	12020

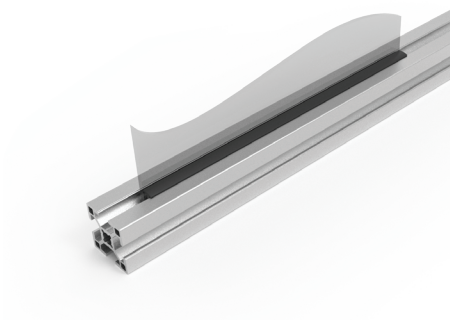
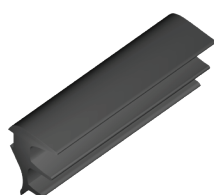
Filler rubber 3 – 7



PAINT Black

TPE	8/10	Description		Code
	8	Filler rubber, 3-5 mm	45 g/m	12021
	10	Filler rubber, 5-7 mm	45 g/m	12021

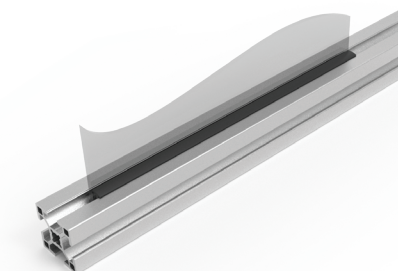
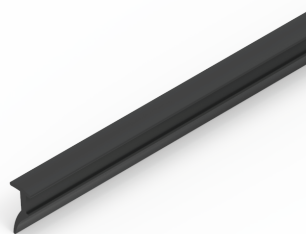
Filler rubber 1 – 5



PAINT Black

PP TPE	8/10	Description		Code
	8	Filler rubber, 1-3 mm	72 g/m	12022
	10	Filler rubber, 3-5 mm	72 g/m	12022

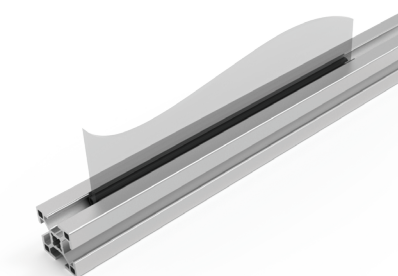
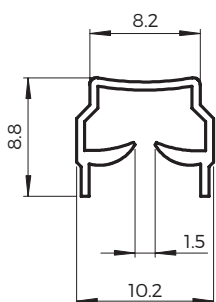
Filler rubber 6 – 8



PAINT	Black
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TPE	8/10	Description		Code
8		Filler rubber, 6 mm	25 g/m	12023
10		Filler rubber, 8 mm	25 g/m	12023

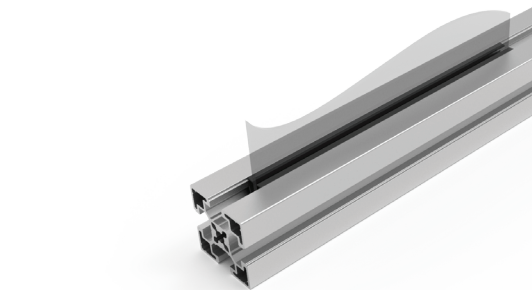
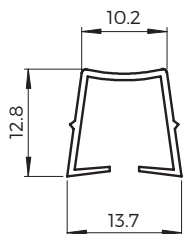
Profile – covering/reducing 2 – 6



PAINT	Black
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PP TPE	8/10	Description		Code
8		Filler rubber, 2-6 mm	20 g/m	12024

Profile – covering/reducing 2 – 8



PAINT Black

PP
TPE



Description



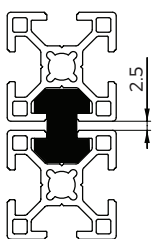
Code

Filler rubber, 2-8 mm

29 g/m

12025

Profile – guiding U8/U8



PAINT Black

PP



Description



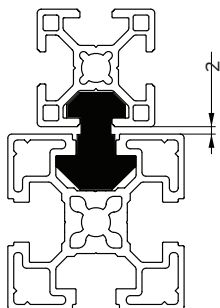
Code

Profile – guiding, L = 2 000 mm

200 g/m

12026

Profile – guiding U8/U10



PAINT Black

PP 

Description



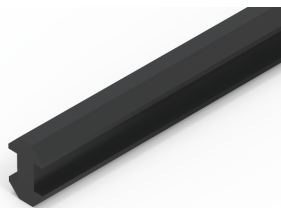
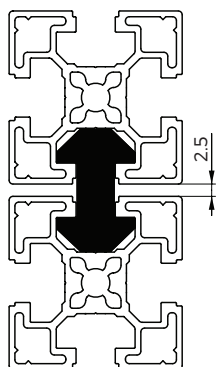
Code

Profile – guiding, L = 2 000 mm

306 g/m

12027

Profile – guiding U10/U10



PAINT Black

PP 

Description



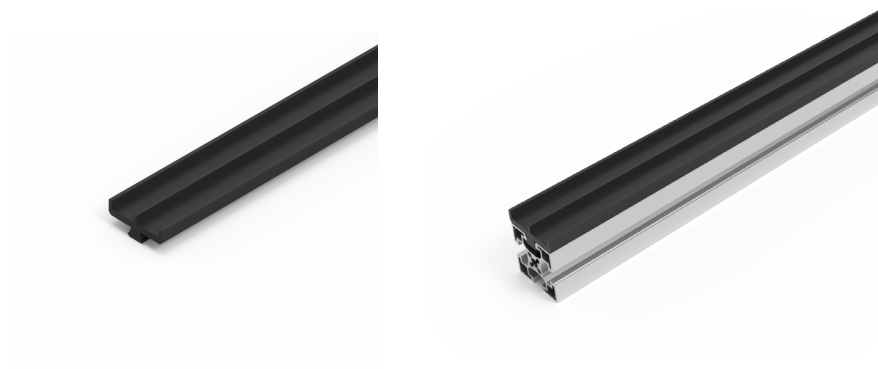
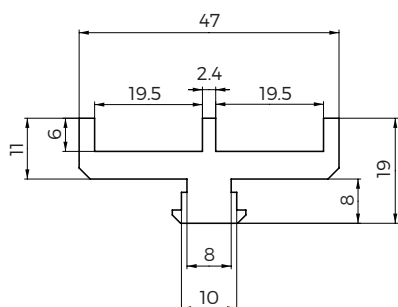
Code

Profile – guiding, L = 2 000 mm

410 g/m

12028

Profile – guiding, 2 x 19.5 U8/U10



PAINT Black



Description



Code

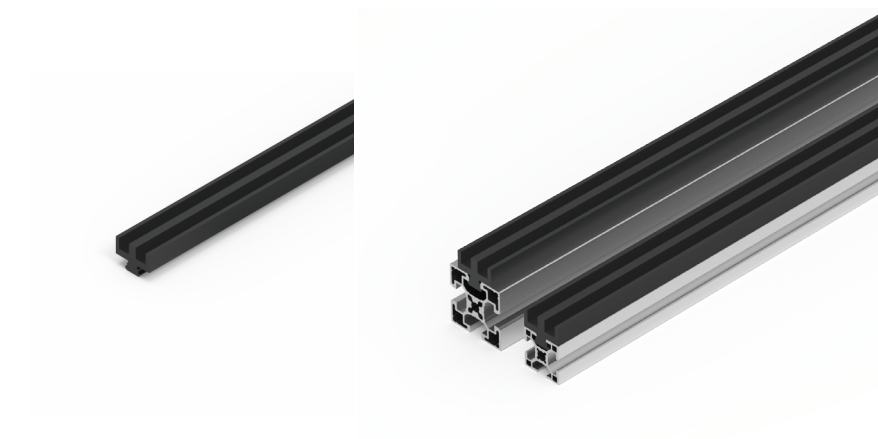
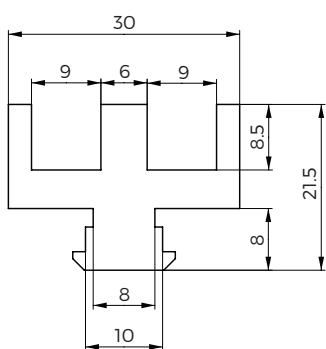
Profile – guiding 2 x 19.5, L = 2 000 mm

339 g/m

12029

For profile 18.5 x 32 page 21.

Profile – guiding, 2 x 9 U8/U10



PAINT Black



Description



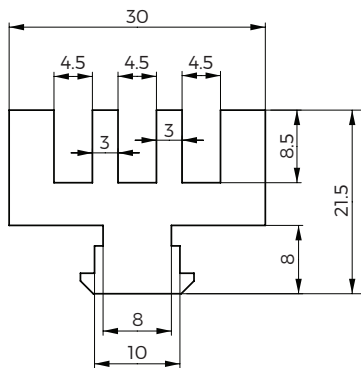
Code

Profile guiding 2 x 9, L = 2 000 mm

410 g/m

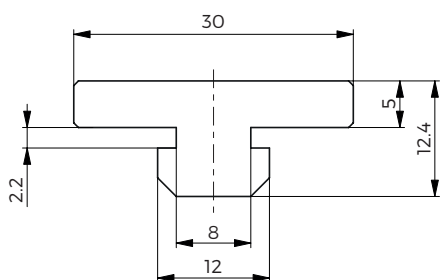
12030

Profile – guiding, 3 x 4.5



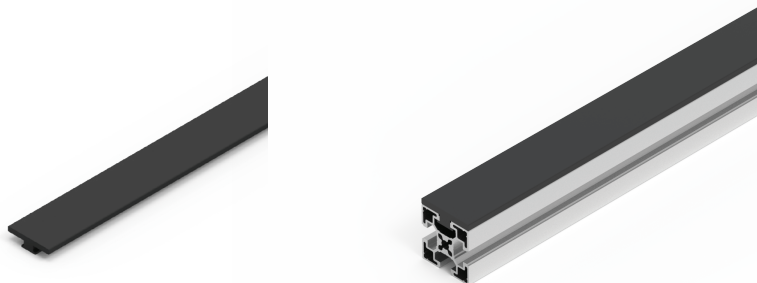
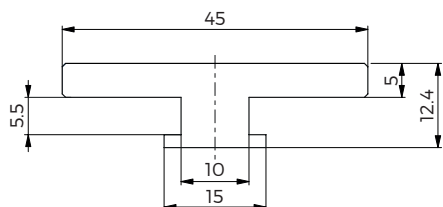
PAINT Black		PP		Description		Code
				Profile – guiding, 3 x 4.5, L = 2 000 mm	361 g/m	12031

Protective profile 30 U8



PAINT Black		PE 500		Description		Code
				Protective profile 30 U8, L = 2 000 mm	400 g/m	12195

Protective profile 45 U10



PAINT Black

PE
500



Description



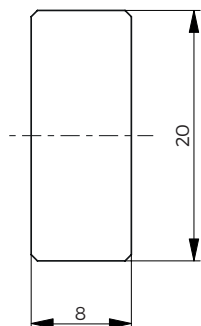
Code

Protective profile 45 U10, L = 2 000 mm

296 g/m

12194

Sliding profile U8/U8



PAINT Black

PE
500



Description



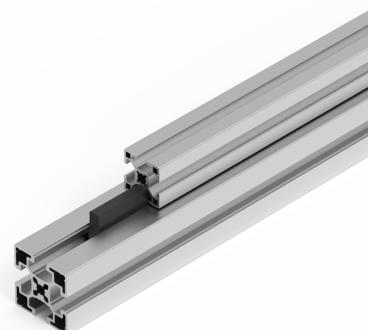
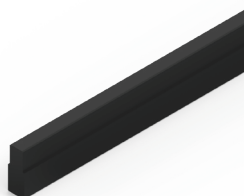
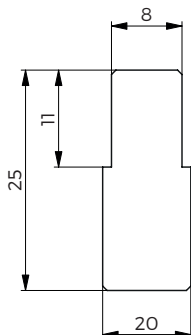
Code

Sliding profile U8/U8, L = 2 000 mm

190 g/m

12198

Sliding profile U8/U10



PAINT Black

PE
500



Description



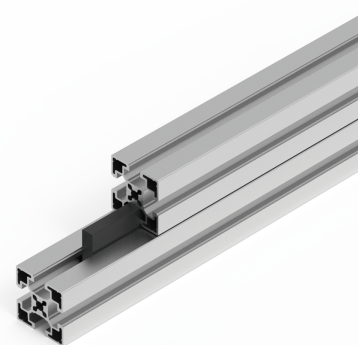
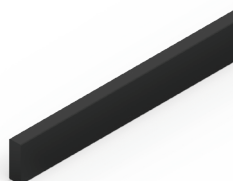
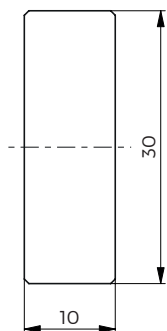
Code

Sliding profile U8/U10, L = 2 000 mm

260 g/m

12197

Sliding profile U10/U10



PAINT Black

PE
500



Description



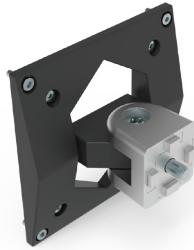
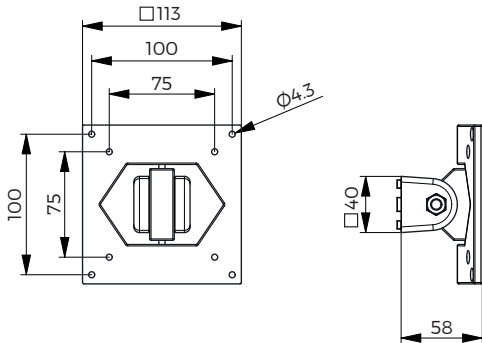
Code

Sliding profile U10/U10, L = 2 000 mm

340 g/m

12196

Display bracket



PAINT Black

PA6 Fe 8/10

Description



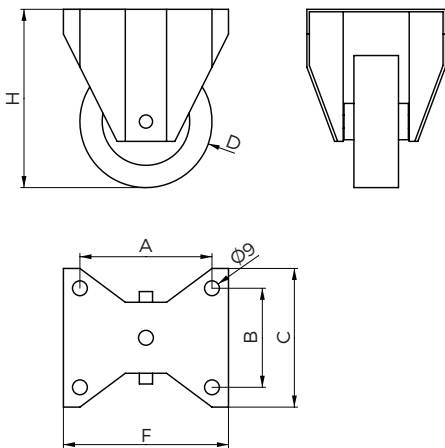
Code

Display bracket

200 g

12199

Wheels – fixed



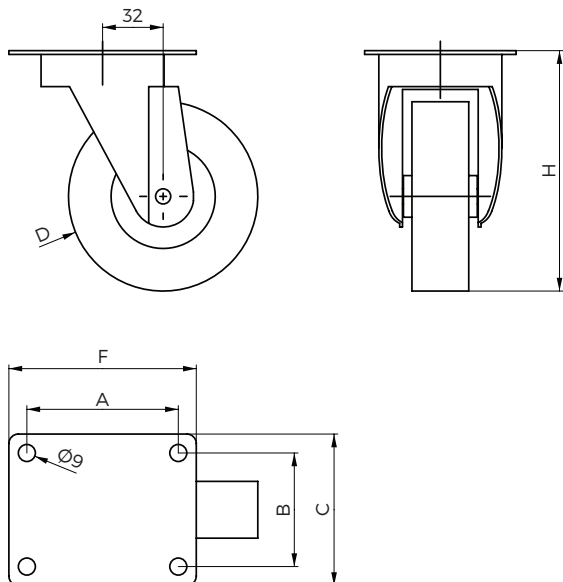
Zn Fe 10/10

D	A	B	C	F	H	Max. load [N]	Weight	Code
80	80	60	84	100	108	500	466 g	12032
100	80	60	84	100	127	700	590 g	12033
125	80	60	84	100	155	1 000	840 g	12034

MATERIAL Wheel with rubber

Other parts on request.

Wheels – rotating with flange



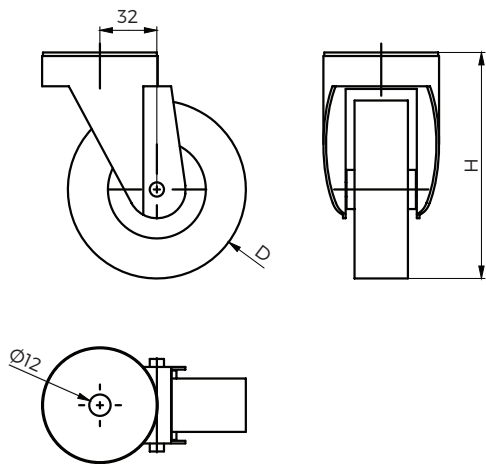
Zn Fe	8/10	D	A	B	C	F	H	brake	Max. load [N]	Weight	Code
		80	75	60	80	95	108	–	500	564 g	12035
		80	75	60	80	95	108	✓	500	666 g	12036
		100	75	60	80	95	127	–	700	679 g	12037
		100	75	60	80	95	127	✓	700	796 g	12038
		125	75	60	80	95	155	–	1 000	956 g	12039
		125	75	60	80	95	155	✓	1 000	1 060 g	12040

Other parts on request.

MATERIAL Wheel with rubber

– NB - no brakes
 ✓ WB - with brakes

Wheels – rotating



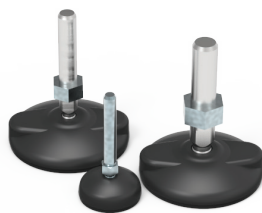
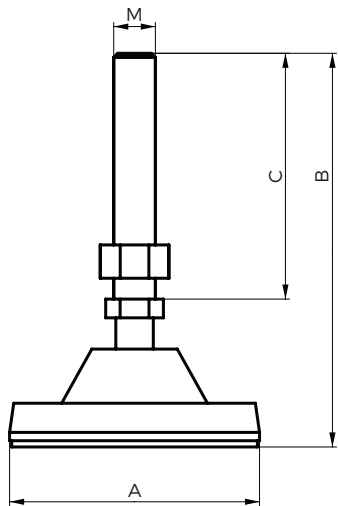
Zn Fe	8/10	D	H	brake	Max. load [N]		Code
		80	108	–	500	486 g	12041
		80	108	✓	500	592 g	12042
		100	127	–	700	607 g	12043
		100	127	✓	700	720 g	12044
		125	155	–	1 000	889 g	12045
		125	155	✓	1 000	1 017 g	12046

MATERIAL Wheel with rubber

–	NB - no brakes
✓	WB - with brakes


Other parts on request.

Leg – adjustable



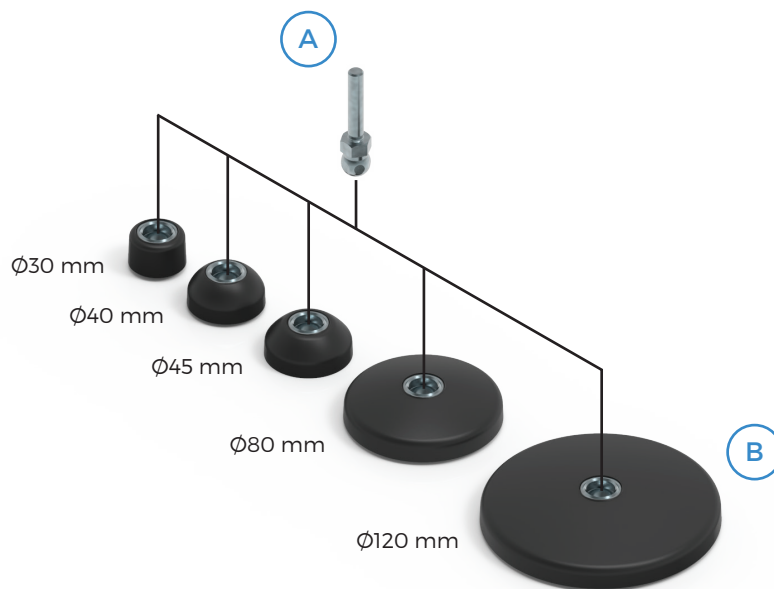
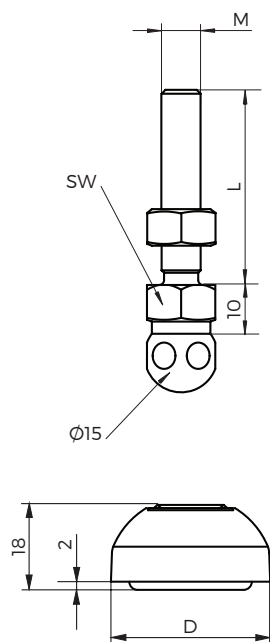
Zn
Fe

PA6
#

A	B	C	M	Max. load [N]		Code
40	75	50	8	10 000	44 g	12047
50	75	50	8	11 000	52 g	12048
50	75	50	10	12 000	66 g	12049
80	101	71	10	14 000	118 g	12050
80	96	61	12	15 000	146 g	12051
80	97	57	16	19 000	199 g	12052
120	163	105	16	25 000	600 g	12053
120	177	116	20	27 000	581 g	12054
120	205	141	24	29 000	772 g	12055

Other parts on request.

Leg – adjustable

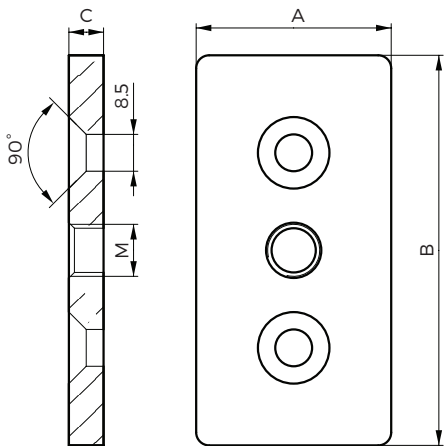


	Zn Fe	L [mm]	SW [mm]	M	Max. load [N]		Code
	A		40	14	8	3 500	36 g
		80	14	8	3 500	49 g	12146
		70	14	10	4 700	55 g	12147
		100	14	12	7 700	94g	12148
		100	17	16	14 500	156 g	12149
		125	33	20	24 300	297 g	12150

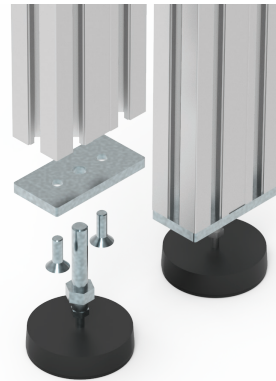
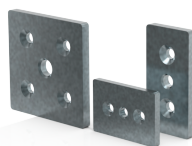
	Zn Fe		D	Max. load [N]		Code
	B			30	3 500	50 g
			40	3 500	74 g	12152
			45	4 700	92 g	12153
			80	7 700	218 g	12154
			120	14 500	440 g	12155


Other parts on request.

Panel – end



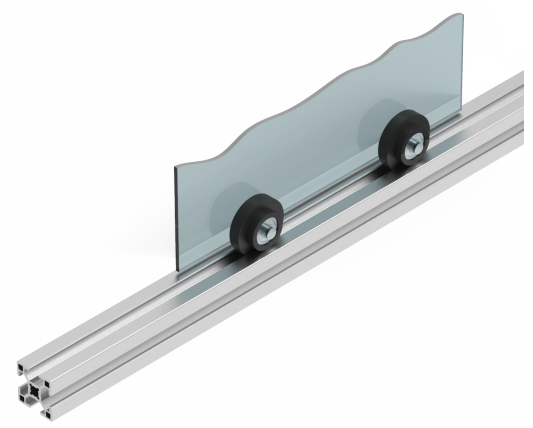
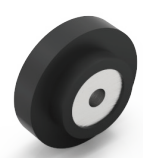
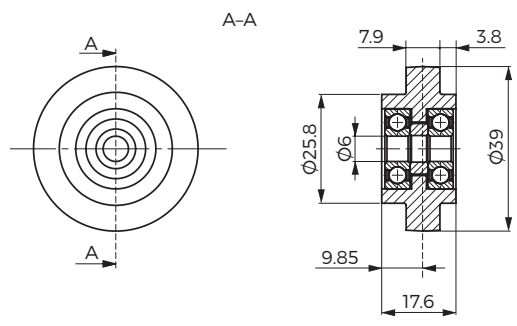
1 2/4



Zn Fe	A	B	C	M		Code
	30	60	8	8	92 g	12114
	30	60	8	12	92 g	12056
	30	90	8	12	196 g	12057
	40	80	8	12	300 g	12162
	45	90	8	12	231 g	12058
	45	90	8	16	500 g	12059
	60	90	8	12	314 g	12060
	60	90	8	16	304 g	12061
	80	80	8	16	400 g	12188
	90	90	8	16	468 g	12062
	90	90	8	20	460 g	12063

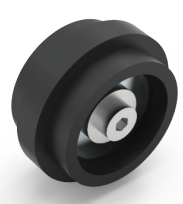
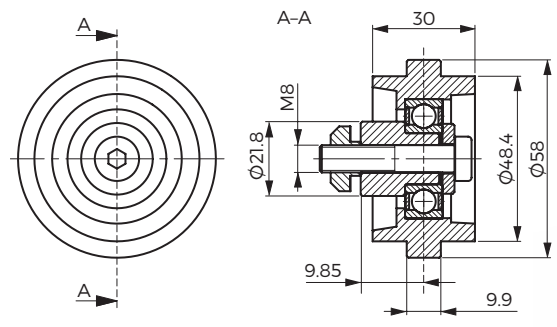
Components – possible additional purchase			Code
1	Socket screw M8 x 25	page 43	11029

Wheel – guiding U8



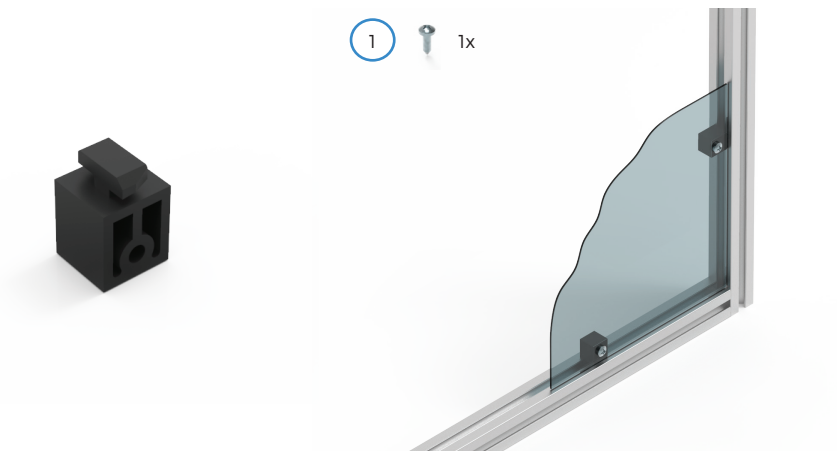
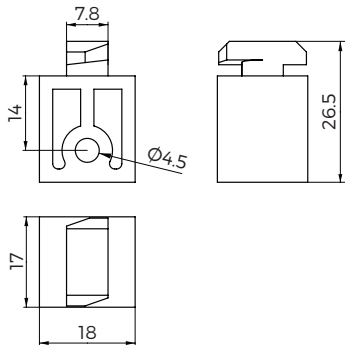
PA6		Description		Code
		Wheel – guiding U8	30 g	12064

Wheel – guiding U10



PA6		Description		Code
		Wheel – guiding U10	153 g	12065

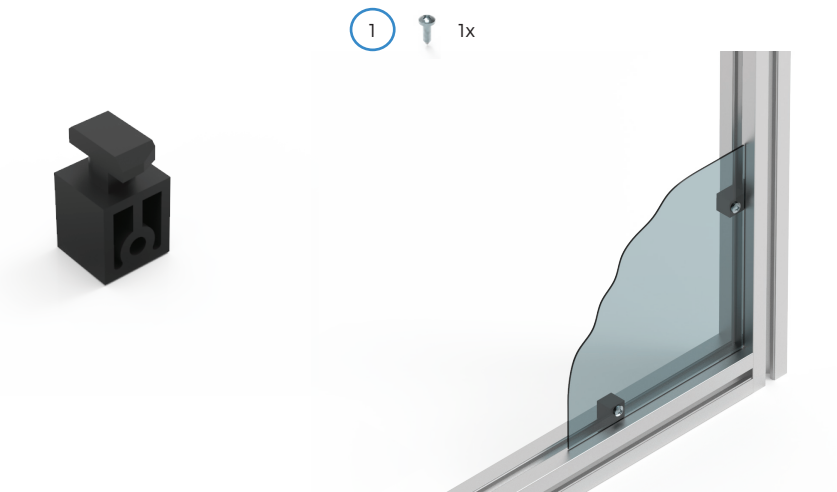
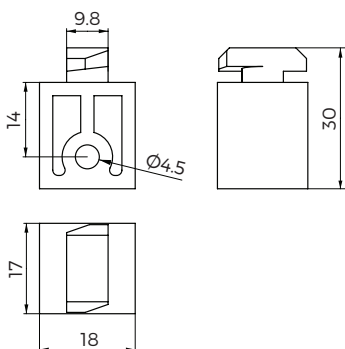
Filler bracket U8



PA6		Description		Code
		Filler bracket U8	6 g	12066

Components – possible additional purchase			Code
1	Self-tapping screw 5.5 x 19	page 43	11036

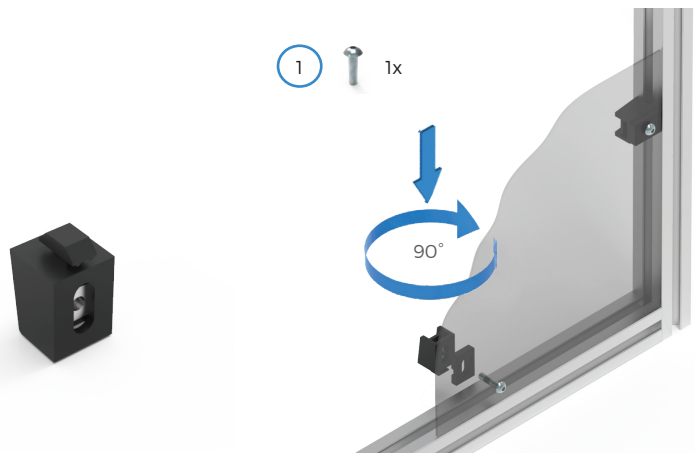
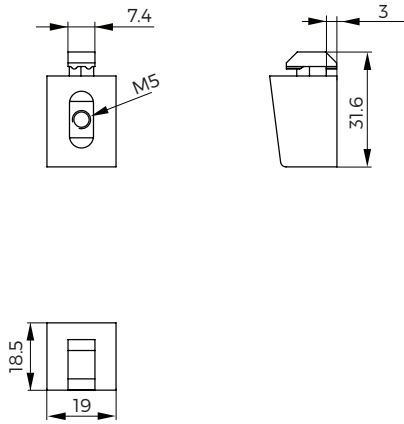
Filler bracket U10



PA6		Description		Code
		Filler bracket U10	7 g	12067

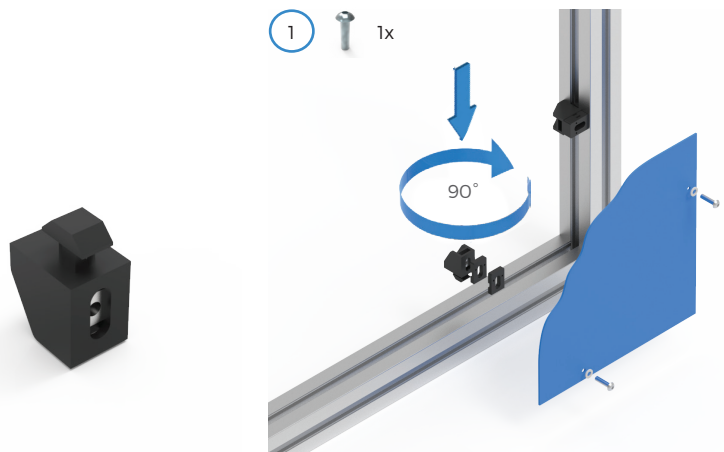
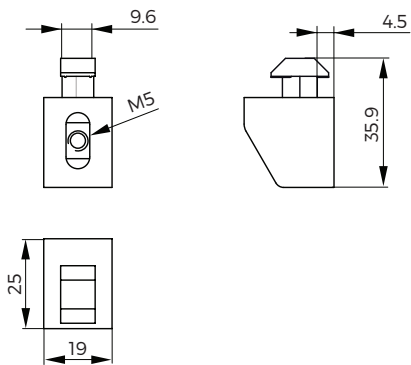
Components – possible additional purchase			Code
1	Self-tapping screw 5.5 x 19	page 43	11036

Filler bracket M5 U8



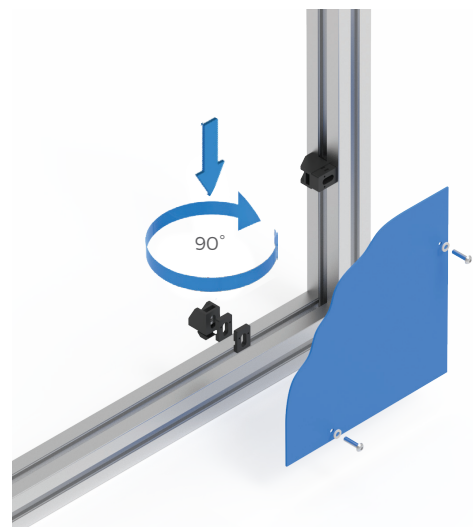
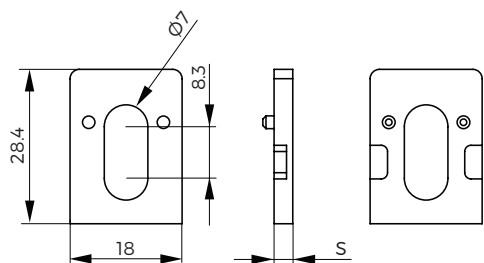
PA6	8	Description	10 g	Code
		Filler bracket M5 U8		12189
Components – possible additional purchase			Code	
1		Lenticular head screw M5 x 16	page 42	11013

Filler bracket M5 U10



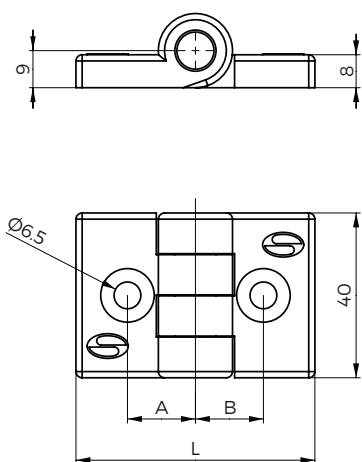
PA6	10	Description	20 g	Code
		Filler bracket M5 U10		12190
Components – possible additional purchase			Code	
1		Lenticular head screw M5 x 25	page 42	11015

Panel spacer 2 – 5



PA6	8/10	Description	g	Code
		Panel spacer 2 mm	2 g	12191
		Panel spacer 3 mm	4 g	12192
		Panel spacer 5 mm	4 g	12193

Hinge PA



PA6		A	B	L	For profile		Code
		16.5	16.5	58	30 x 30	45 g	12068

		Components – possible additional purchase			Code
8		Socket screw M6 x 16		page 43	11027
8		Hammer-head nut M6 U8		page 47	11057

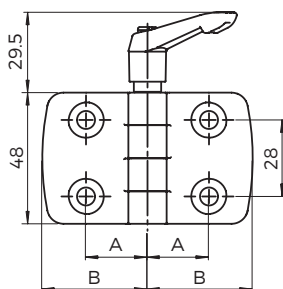
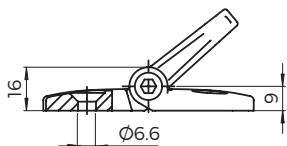
PA6		A	B	L	For profile		Code
		16.5	25	74	30 x 45	48 g	12069
		16.5	35	89	30 x 60	50 g	12070

		Components – possible additional purchase			Code
8		Socket screw M6 x 16		page 43	11027
8		Hammer-head nut M6 U8		page 47	11057
10		Socket screw M6 x 20		page 43	11028
10		Hammer-head nut M6 U10		page 47	11060

PA6		A	B	L	For profile		Code
		25	24.5	90	45 x 45	52 g	12071
		25	32	105	45 x 60	54 g	12072
		32	32	120	60 x 60	54 g	12099

		Components – possible additional purchase			Code
10		Socket screw M6 x 20		page 43	11028
10		Hammer-head nut M6 U10		page 47	11060

Hinge with lever



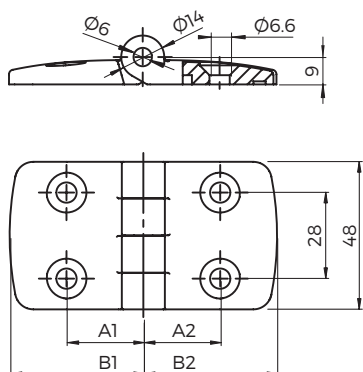
PA6		A	B	For profile		Code
		17.5	29.5	30 x 30	50 g	12073

		Components – possible additional purchase			Code
8		Socket screw M6 x 12			page 43 11162
8		Hammer-head nut M6 U8			page 47 11057

PA6		A	B	For profile		Code
		22.5	38.5	40 x 40	57 g	12117
		25	43.5	45 x 45	60 g	12074
		32.5	57.5	60 x 60	69 g	12075

		Components – possible additional purchase			Code
10		Socket screw M6 x 16			page 43 11027
10		Hammer-head nut M6 U10			page 47 11060

Hinge PA



- 1 4x
- 2 4x



PA6		A ₁	A ₂	B ₁	B ₂	For profile		Code
		17.5	17.5	29.5	29.5	30 x 30	36 g	12102

		Components – possible additional purchase			Code
8	1	Socket screw M6 x 12		page 43	11162
8	2	Hammer-head nut M6 U8		page 47	11057

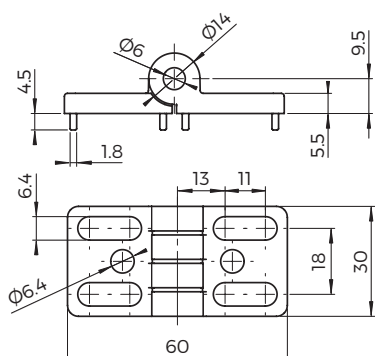
PA6		A ₁	A ₂	B ₁	B ₂	For profile		Code
		17.5	22.5	29.5	38.5	30 x 40	57 g	12118
		17.5	25	29.5	43.5	30 x 45	40 g	12103
		17.5	32.5	29.5	57.5	30 x 60	46 g	12104

		Components – possible additional purchase			Code
8	1	Socket screw M6 x 12		page 43	11162
8	2	Hammer-head nut M6 U8		page 47	11057
10	1	Socket screw M6 x 16		page 43	11027
10	2	Hammer-head nut M6 U10		page 47	11060

PA6		A ₁	A ₂	B ₁	B ₂	For profile		Code
		22.5	22.5	38.5	38.5	40 x 40	57 g	12119
		22.5	32.5	38.5	57.5	40 x 60	44 g	12120
		25	22.5	43.5	38.5	45 x 40	47 g	12121
		25	25	43.5	43.5	45 x 45	46 g	12105
		25	32.5	43.5	57.5	45 x 60	50 g	12106
		32.5	32.5	57.5	57.5	60 x 60	56 g	12107

		Components – possible additional purchase			Code
10	1	Socket screw M6 x 16		page 43	11027
10	2	Hammer-head nut M6 U10		page 47	11060

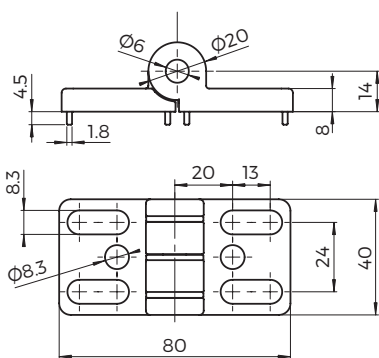
Zinc alloy hinge U8/U8 / U8/U10



Zn			For profile		Code
	8/8		30 x 30	71 g	12108
		8/10	30 x 40 30 x 45	71 g	12108

		Components – possible additional purchase		Code
8	1	Lenticular head screw M6 x 12	page 42	11017
8	2	Hammer-head nut M6 U8	page 47	11057
10	1	Lenticular head screw M6 x 16	page 42	11018
10	2	Hammer-head nut M6 U10	page 47	11060

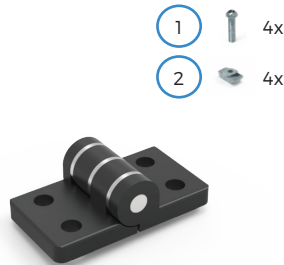
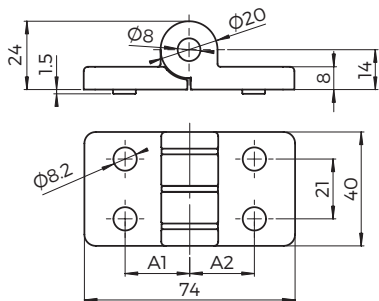
Zinc alloy hinge U10/U10



Zn		For profile		Code
	10/10	40 x 40 40 x 45 45 x 45 40 x 60 45 x 60 60 x 60	180 g	12110

		Components – possible additional purchase		Code
10	1	Lenticular head screw M8 x 20	page 42	11023
10	2	Hammer-head nut M8 U10	page 47	11061

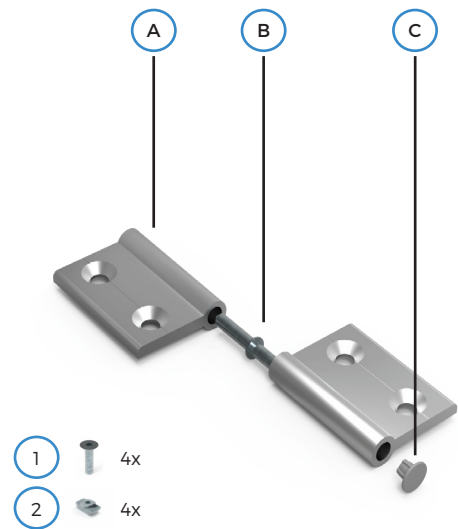
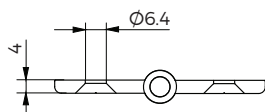
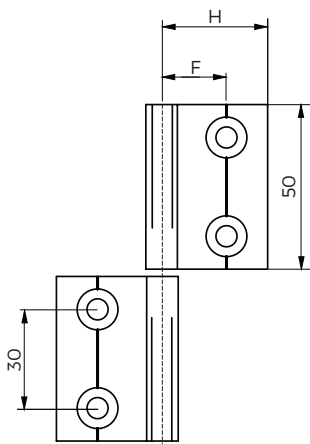
Zinc alloy hinge U10/U10



Zn		A1	A2	For profile		Code
		22.5	22.5	40 x 40	189 g	12122
		22.5	25	40 x 45	189 g	12123
		25	25	45 x 45	189 g	12113

		Components – possible additional purchase		Code
10	1	Lenticular head screw M8 x 20	page 42	11023
10	2	Hammer-head nut M8 U10	page 47	11061

Hinge – components

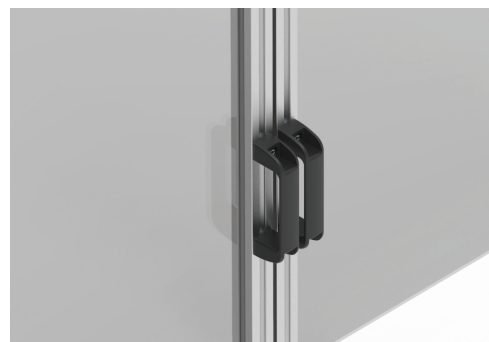
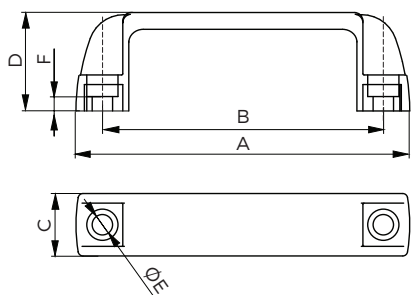


AI EI		Description	F [mm]	H [mm]	Fa Max [N]	For profile		Code
A	8/8	Hinge – components	19.5	32	150	30	20 g	12156
	10/10		25	42	150	40	25.3 g	12157
	10/10		27	47	150	45	28 g	12158
	10/10		34.5	62	150	60	36 g	12159
B		Axles		-	-	-	12 g	12160
C		Cover		-	-	-	0,15 g	12161

		Components – possible additional purchase		Code
8	1	Socket screw M6 x 12	page 43	11162
8	2	Hammer-head nut M6 U8	page 47	11057
10	1	Socket screw M6 x 16	page 43	11027
10	2	Hammer-head nut M6 U10	page 47	11060



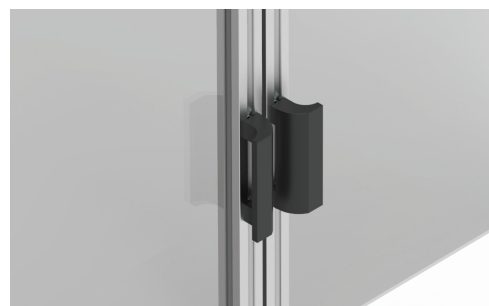
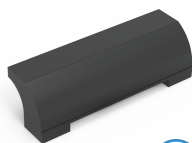
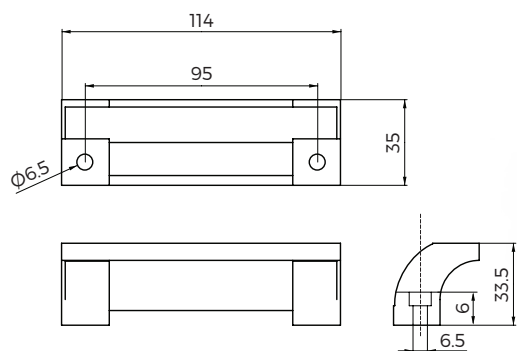
Handle



PA6	8/10	A	B	C	D	ØE	F		Code
		8	112	93.5	21	36	6.5	24 g	12076
		10	139	117	26	41	8.5	35 g	12077
		10	204	179	28	50	8.5	56 g	12078

	For		Components – possible additional purchase		Code
8	12076	1	Lenticular head screw M6 x 14	page 42	11003
8		2	Hammer-head nut M6 U8	page 47	11057
8	12077	1	Lenticular head screw M8 x 16	page 42	11007
8	12078	2	Hammer-head nut M6 U8	page 48	11064
10	12077	1	Lenticular head screw M8 x 20	page 42	11008
10	12078	2	Hammer-head nut M8 U10	page 47	11061

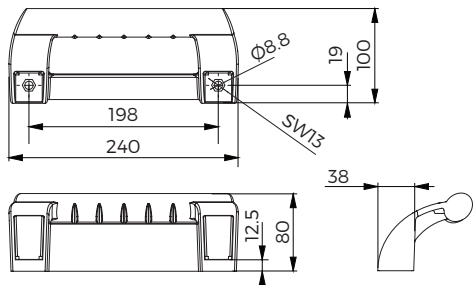
Handle – closed



PA6	10/10	Description		Code
		Handle – closed	34 g	12079

		Components – possible additional purchase		Code
8	1	Cylinder-head screw M6 x 14	page 42	11003
8	2	Hammer-head nut M6 U8	page 47	11057
10	1	Lenticular head screw M6 x 16	page 42	11004
10	2	Hammer-head nut M6 U10	page 47	11060

Handle



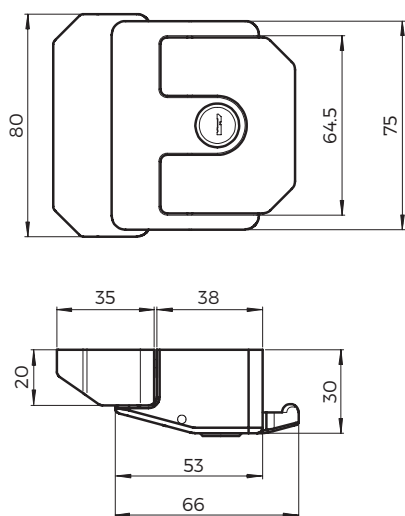
- 1 2x
- 2 2x



PA6		Description		Code
		Handle	364 g	12080

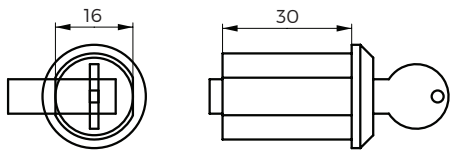
		Components – possible additional purchase		Code
10	1	Lenticular head screw M8 x 20	page 42	11008
10	2	Hammer-head nut M8 U10	page 47	11061

Handle with lock – universal



Zn		Description		Code
		Handle with lock – universal	564 g	12081

Lock – built-in



Cu
Zn

8

Description



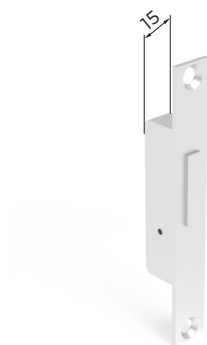
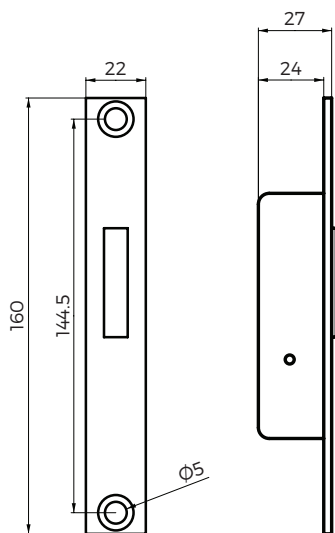
Code

Lock - built-in

56 g

12082

Lock



Cu
Zn

10

Description



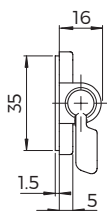
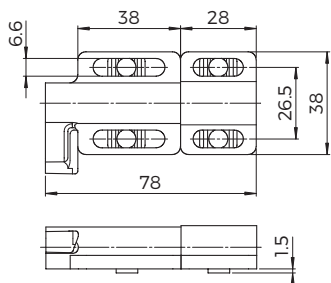
Code

Lock

302 g

12083

Closing mechanism



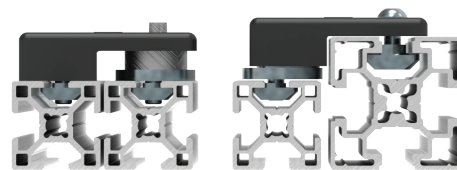
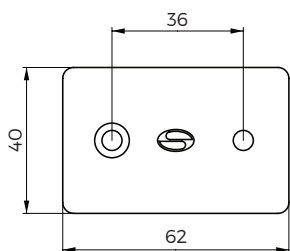
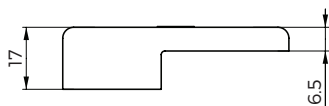
- 1 4x
- 2 4x



Zn	8/10	Description		Code
		Closing mechanism	114 g	12084

		Components – possible additional purchase		Code
8	1	Lenticular head screw M6 x 12	page 42	11017
8	2	Hammer-head nut M6 U8	page 47	11057
10	1	Lenticular head screw M6 x 16	page 42	11027
10	2	Hammer-head nut M6 U10	page 47	11060

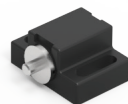
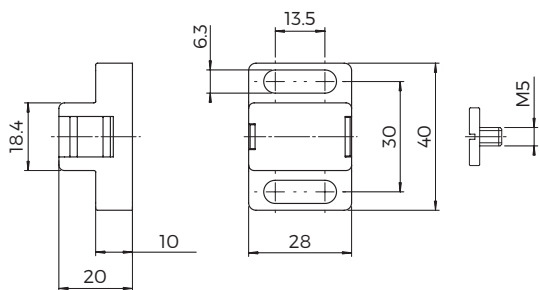
Magnet



PA6	8/8	8/10	10/10	For profiles		Code
	8/8			30 x 30	78 g	12085
		8/10		30 x 40	124 g	12125
		8/10		30 x 45	48 g	12086
			10/10	40 x 40 45 x 45	90 g	12087
			10/10	40 x 45	124 g	12126

Fastening material included.

Magnet – universal



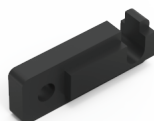
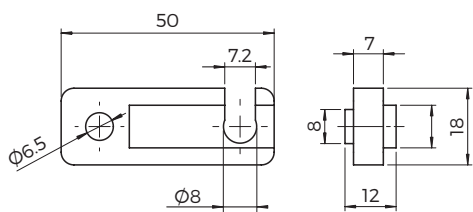
- 1 2x
- 2 2x



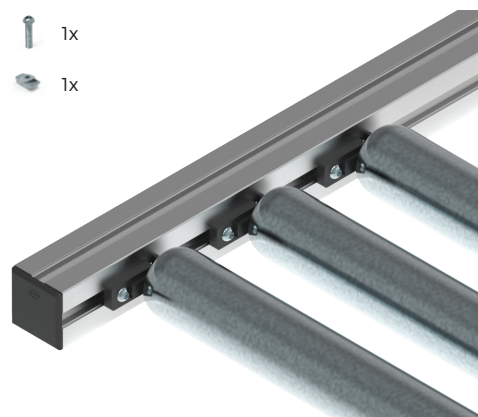
PA6		Description		Code
		Magnet – universal	36 g	12088

		Components – possible additional purchase		Code
8	1	Lenticular head screw M6 x 16	page 42	11018
8	2	Hammer-head nut M6 U8	page 47	11057
10	1	Lenticular head screw M6 x 20	page 42	11019
10	2	Hammer-head nut M6 U10	page 47	11060

Roller bracket



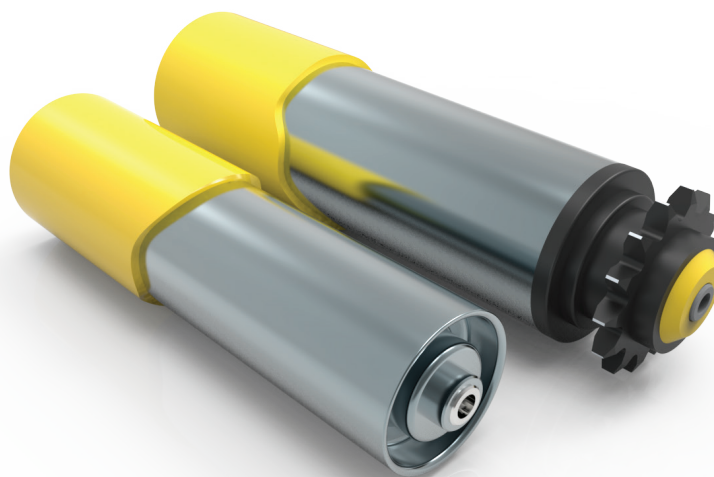
- 1 1x
- 2 1x



PA6		Description		Code
		Roller bracket	8 g	12089

		Components – possible additional purchase		Code
8	1	Lenticular head screw M6 x 16	page 42	11018
8	2	Hammer-head nut M6 U8	page 47	11057
10	1	Lenticular head screw M6 x 20	page 42	11019
10	2	Hammer-head nut M6 U10	page 47	11060

Transport rollers



Roller type	Non-driven rollers
	Driven transport roller
Material	Zinc-plated Fe
	PVC - coating
Application	For installing on transport systems

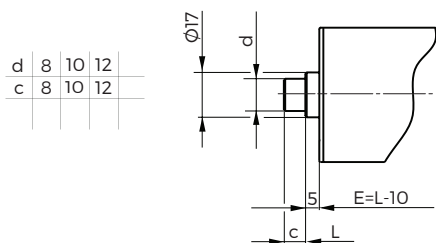
All rollers are equipped with ball bearings.

Ø tubes mm	Max. load capacity in N for non-driven and fixed driven rollers, with built-in length in mm							
	200 mm	300 mm	400 mm	600 mm	800 mm	1 000 mm	1 300 mm	1 600 mm
50 x 1.5	2 000 N	2 000 N	1 740 N	1 160 N	870 N	700 N	580 N	460 N
60 x 2	2 000 N	2 000 N	1 800 N	1 200 N	920 N	760 N	620 N	520 N

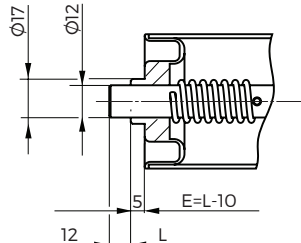
Ø tubes mm	Max. load capacity in N for free-rotating non-driven rollers							
	200 mm	300 mm	400 mm	600 mm	800 mm	1 000 mm	1 300 mm	1 600 mm
50 x 1.5	max. 500 N							
60 x 2								

Non-driven rollers

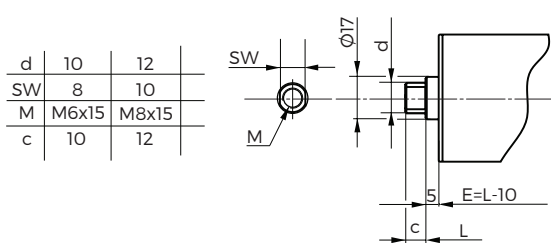
Extended axis **A**



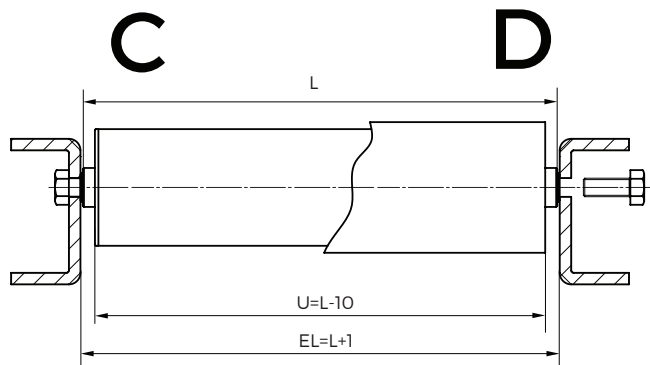
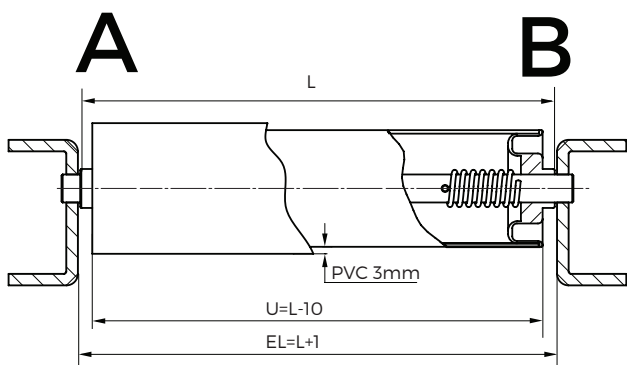
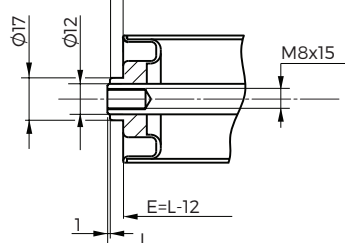
B Extended axis with spring



Extended axis with male thread **C**



D Extended axis with female thread



Code

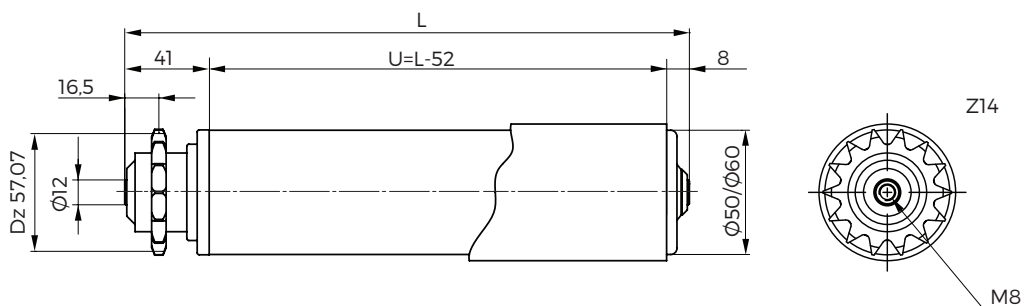
Zn Fe	17R	50	A	0500	Y	8
	1	2	3	4	5	6

1	Non-driven rollers	17R
2	Roller diameter	φ50 - φ60
3	Roller type	A - B - C - D
4	Built-in dimension	L = min. 40 mm - max. 1 800 mm
5	PVC - coating (roller phi + 6 mm)	Y = YES; from -10°C to + 40°C, N = NO; from -10°C to + 80°C
6	Axle diameter	φ8 - φ10 - φ12

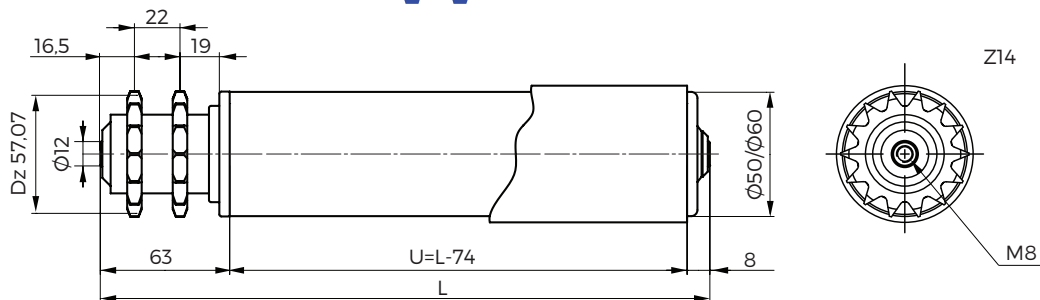
Usable width U

Driven transport roller

V Plastic sprocket



W Double plastic sprocket



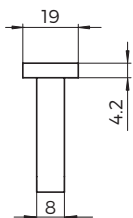
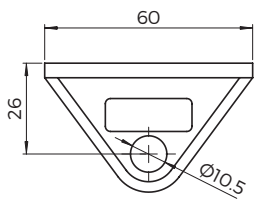
Code

Zn Fe	17R	50	V	0300	F	Y
	1	2	3	4	5	6

1	Driven roller	17R
2	Roller diameter	Ø50 - Ø60
3	Roller type	V/W
4	Built-in dimension	L _v = min. 100 mm - max. 1 800 mm L _w = min. 125 mm - max. 1 800 mm
5	Roller design	F = fixed - C = for accumulation
6	PVC - coating (roller phi + 6 mm)	Y = YES, N = NO

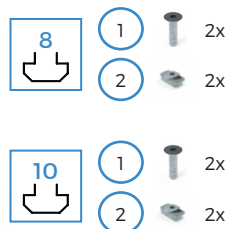
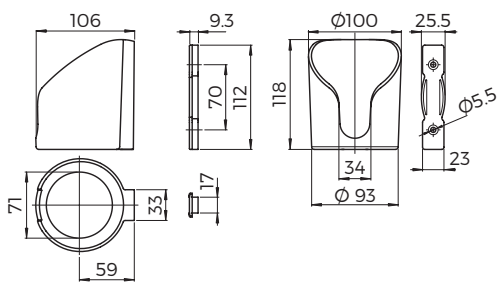
Temperature range from -10°C – to +40°C

Hanging clamp / slider



Zn Fe	PA6 #	10	Description	Type	Weight	Code
			Hanging clamp	A	26 g	12090
			Slider	B	10 g	12091

Bracket



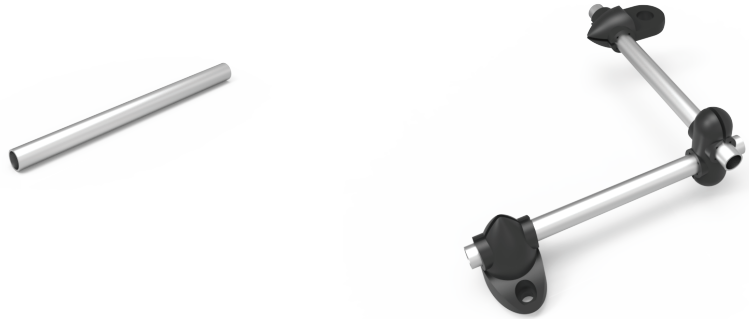
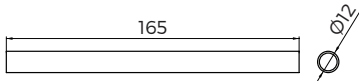
PA6 #	8/10	Description	Weight	Code
		Bracket	162 g	12092
		Bracket	176 g	12093*

*Closed bottom.

Component	Quantity	Components – possible additional purchase	Reference	Code
8	1	Socket screw M5 x 16	page 43	11164
8	2	Hammer-head nut M5 U8	page 47	11056
10	1	Socket screw M5 x 20	page 43	11165
10	2	Hammer-head nut M5 U10	p. 47	11059

Other parts on request.

Tube Ø12



AI
EI

8/10

Description



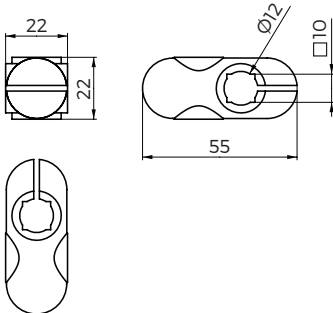
Code

Tube $\varnothing 12$

16 g

12094

Sensor bracket



PA6

8/10

Description



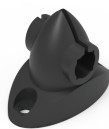
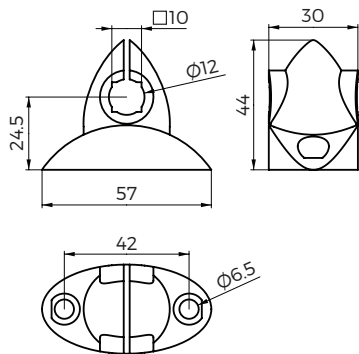
Code

Sensor bracket

25 g

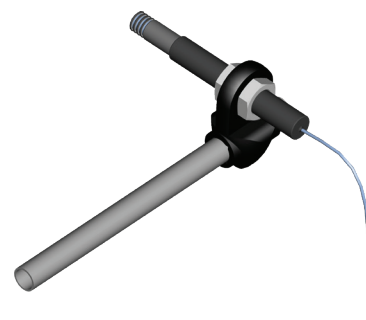
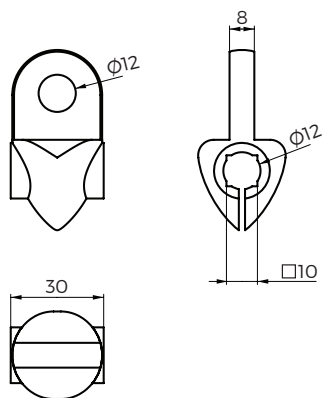
12095

Sensor bracket



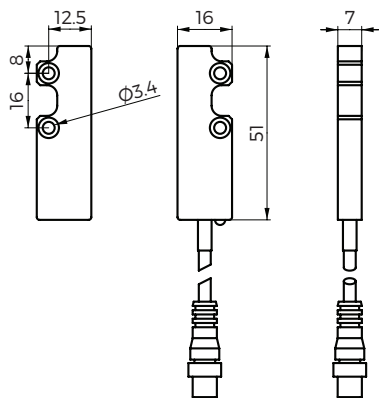
PA6	8/10	Description	30 g	Code
		Sensor bracket		12096

Sensor bracket



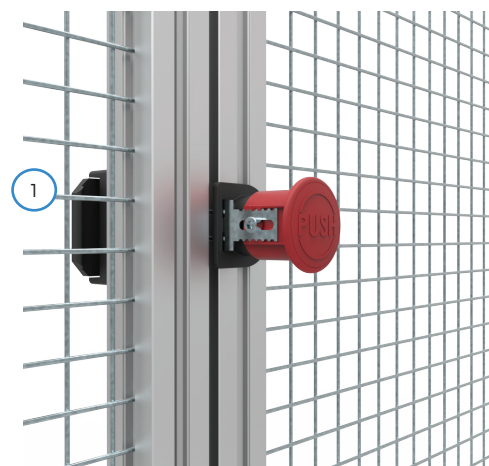
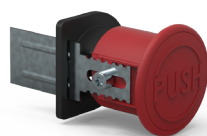
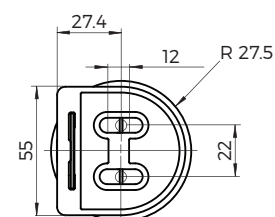
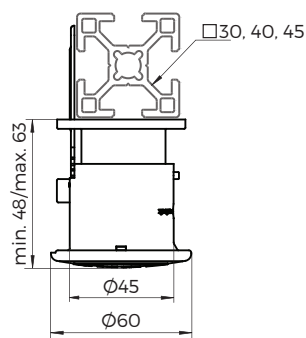
PA6	8/10	Description	28 g	Code
		Sensor bracket		12097

Safety switch – magnet



PA6		Description		Code
		Safety switch - magnet	106 g	12098

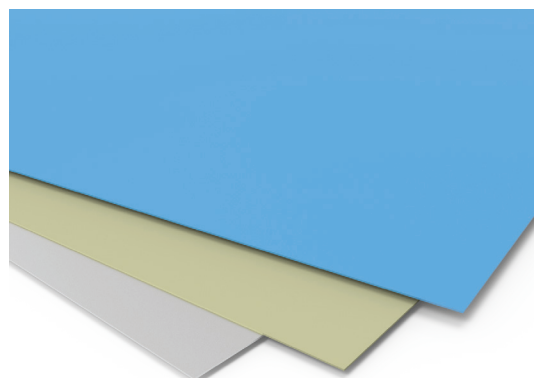
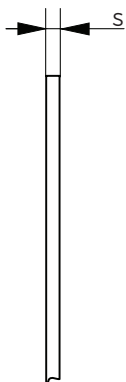
Safety opening mechanism



Fe	PA6		Description		Code
			Safety opening mechanism	104 g	12163

Components – possible additional purchase		Code
	Handle with lock - universal	page 118 12081

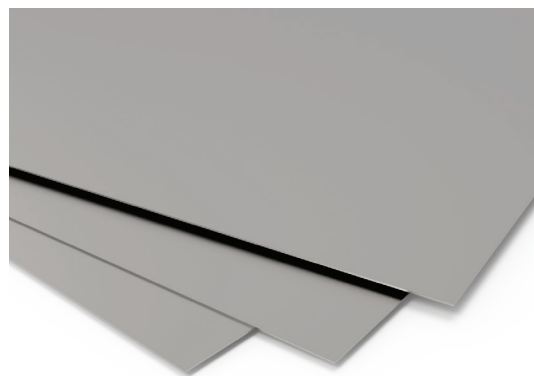
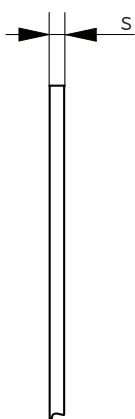
Sheet – dust-painted Fe



Fe	8/10	Description	S [mm]	Size [mm]	Weight	Code
		Sheet - dust-painted, RAL 7032 beige	1.25	1 500 x 3 000	10 kg/m ²	12164
		Sheet - dust-painted, RAL 7035 light grey	1.25	1 500 x 3 000	10 kg/m ²	12165
		Sheet - dust-painted, RAL 5012 blue	1.25	1 500 x 3 000	10 kg/m ²	12166

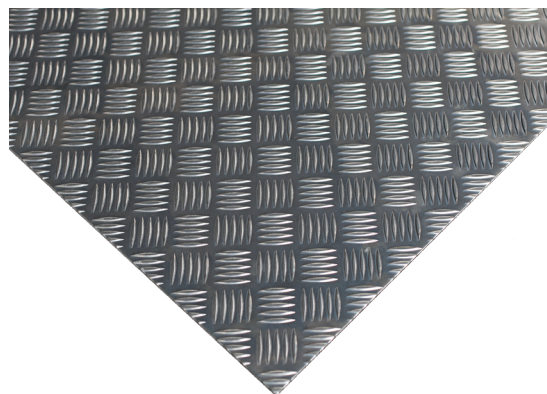
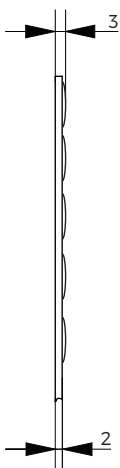
Other colours according to the RAL scale and sheet thickness on request.

INOX sheet



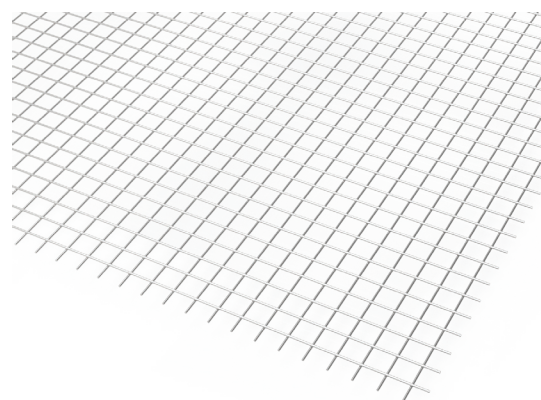
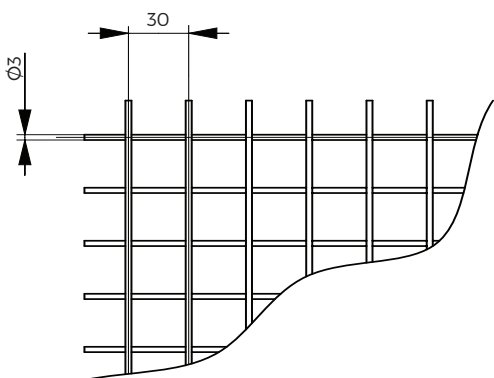
Inox	8/10	Description	S [mm]	Size [mm]	Weight	Code
		INOX sheet	1	1 000 x 2 000	8 kg/m ²	12185
			1.2	1 000 x 2 000	9.5 kg/m ²	12186
			1.5	1 250 x 3 000	12 kg/m ²	12187

Ribbed al. sheets 2/3



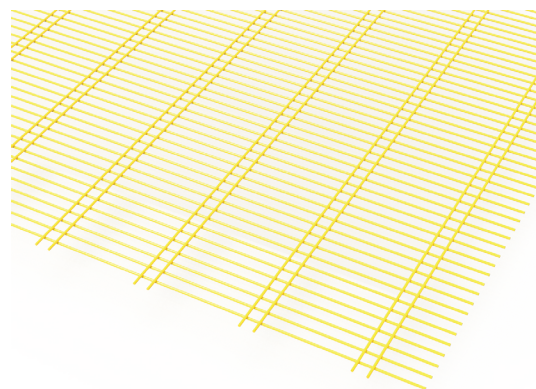
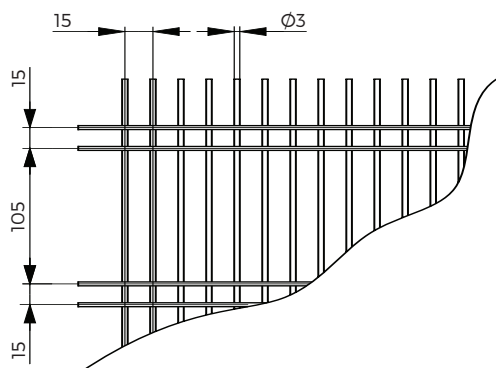
Al El	8/10	Description	S [mm]	Size [mm]		Code
		Ribbed al. sheets 2/3	2/3	1 000 x 2 000	6.4 kg/m ²	12167

Mesh – welded, 30 x 30 x 3 mm



Zn Fe	8/10	Description	S [mm]	Size [mm]	Type		Code
		Mesh – welded 30 x 30 x 3 mm	3	1 200 x 2 400	Zinc	3.7 kg/m ²	12168
		Mesh – welded 30 x 30 x 3 mm	3	1 200 x 2 400	Yellow	3.7 kg/m ²	12200
		Mesh – welded 30 x 30 x 3 mm	3	1 200 x 2 400	Black	3.7 kg/m ²	12201

Mesh – welded, 15 x 105 x 3 mm



Zn Fe	8/10	Description	S [mm]	Size [mm]	Type		Code
		Mesh - welded 15 x 105 x 3 mm	3	1 200 x 2 400	Yellow	3.8 kg/m ²	12169
		Mesh - welded 15 x 105 x 3 mm	3	1 200 x 2 400	Black	3.8 kg/m ²	12202

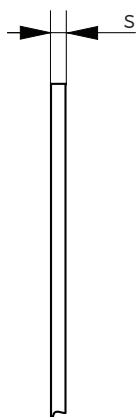
Other colours according to the - RAL scale and sheet thickness on request.

Self-adhesive foil – anti-static



ESD	8/10	Description	S [mm]	Size [mm]		Code
		Self-adhesive foil - anti-static	0.05	1 200 x 10 000	0.002 kg/m ²	12170

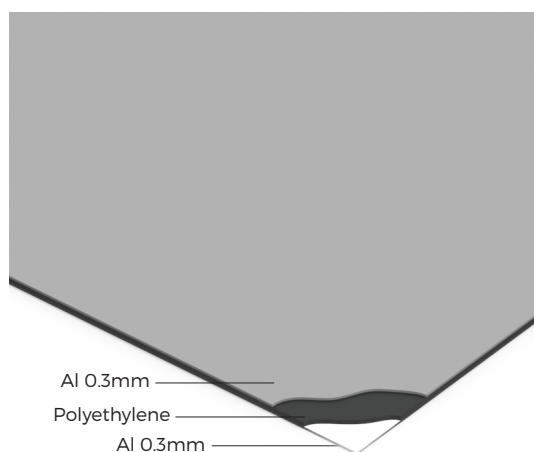
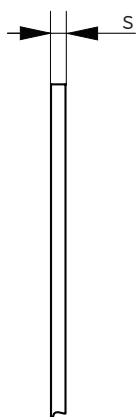
Polycarbonate – translucent



Description	S [mm]	Size [mm]	Weight [kg/m ²]	Code
Polycarbonate – translucent	3	2 050 x 3 050	3.6 kg/m ²	12171
	4	2 050 x 3 050	4.8 kg/m ²	12172
	5	2 050 x 3 050	6.1 kg/m ²	12173
	6	2 050 x 3 050	7.3 kg/m ²	12174
	8	2 050 x 3 050	9.6 kg/m ²	12175

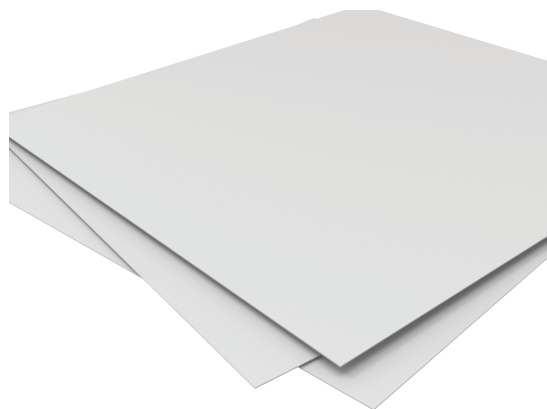
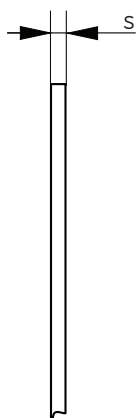
MATERIAL Thermoplastic polymer

3A composite plate



Description	S [mm]	Size [mm]	Weight [kg/m ²]	Code
3A composite plate, 3 mm grey/white	3	2 000 x 3 050	4.2 kg/m ²	12176
3A composite plate, 3 mm white/white	3	2 000 x 3 050	4.2 kg/m ²	12177

PVC – foamed, white



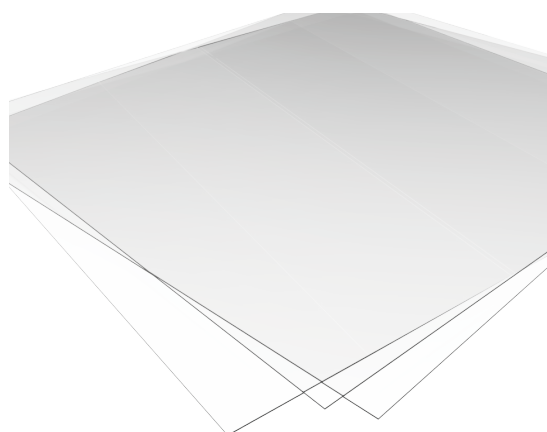
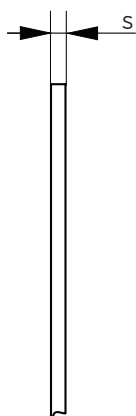
Description

S [mm]	Size [mm]	Weight [kg/m ²]	Code
8	2 050 x 3 050	3.8 kg/m ²	12178
10	2 050 x 3 050	4.8 kg/m ²	12179

PVC - foamed, white

MATERIAL PVC (polyvinyl chloride)

Acrylic translucent plate



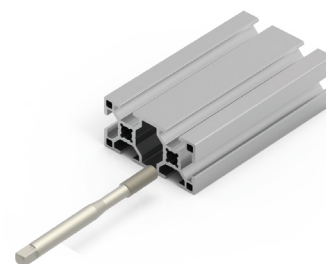
Description

S [mm]	Size [mm]	Weight [kg/m ²]	Code
4	2 050 x 3 050	4.8 kg/m ²	12180
6	2 050 x 3 050	7.3 kg/m ²	12181
8	2 050 x 3 050	9.6 kg/m ²	12182

Acrylic translucent plate

MATERIAL PMMA (polymethyl methacrylate)

Drill for rolling threads



Description

M

Drill diameter
 \varnothing [mm]



Code

Drill for rolling threads

8

7.4

3 g

13001

10

9.3

3 g

13002

12

11.2

3 g

13003

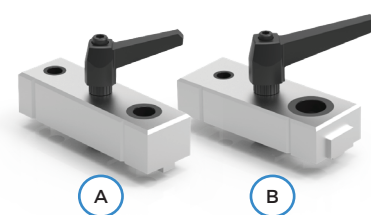
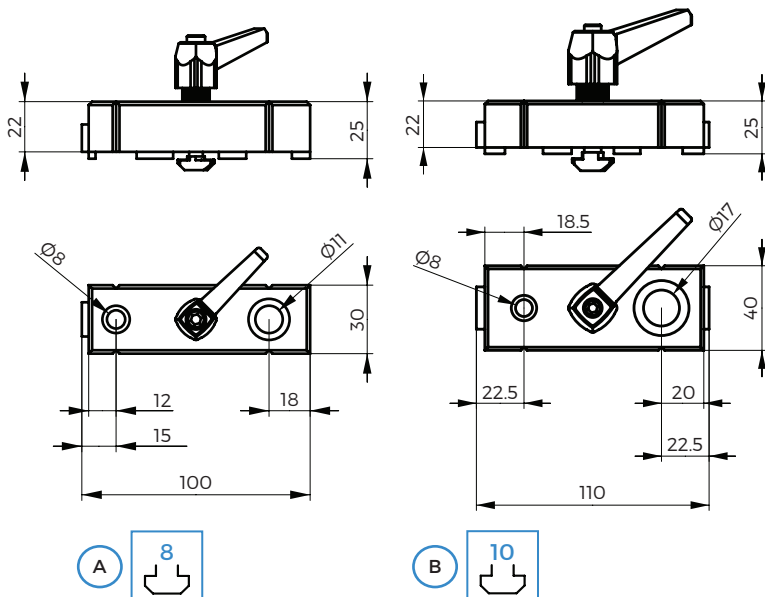
16

15

3 g

13004

Drilling machine



AI
EI



Description

Type



Code

8

Drilling machine

A

260 g

13005

10

B

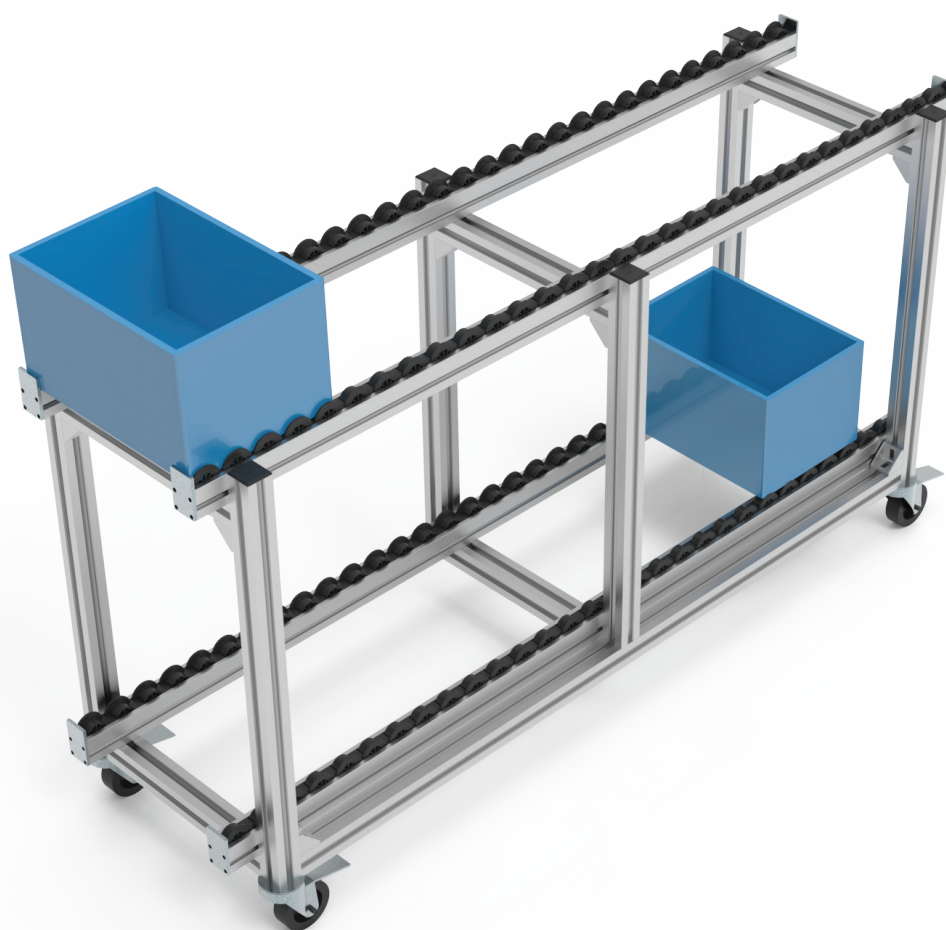
300 g

13006

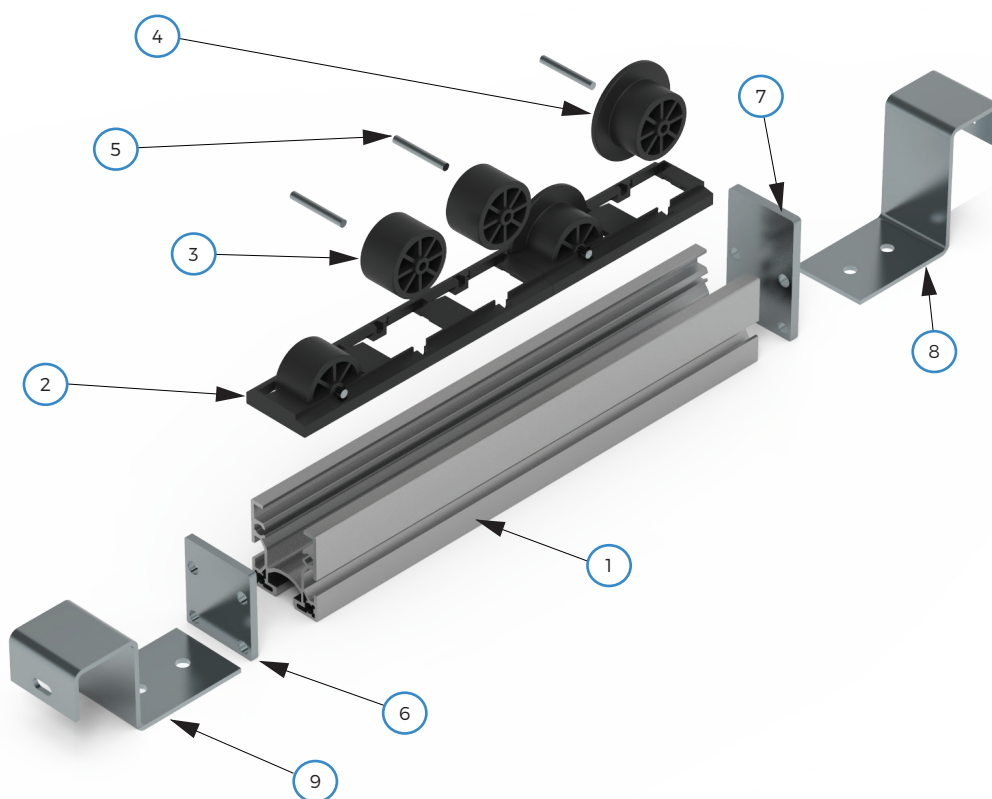




ROLLER TRACKS



Elements for al. roller tracks



Al
El

PA6

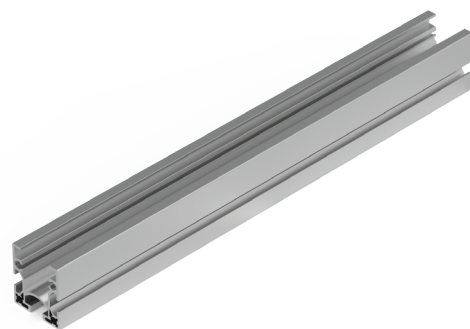
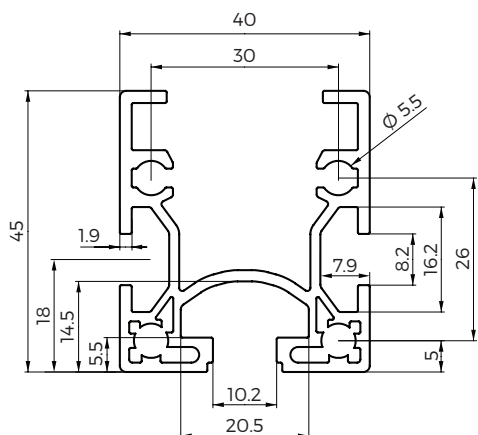
Zn
Fe

Position	Description	Code
1	Al. profile 40 x 45	14001
2	Roller bracket PA	14002A
3	Roller track wheel without guidance	14003A
4	Roller track wheel with lateral guidance	14004A
5	Roller axle $\varnothing 4 \times 31$	14005
6	Profile end plate - low	14006
7	Profile end plate - high	14007
8	Track bracket - high	14008
9	Track bracket - low	14009

INDEX

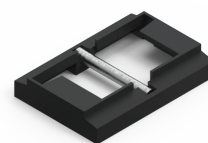
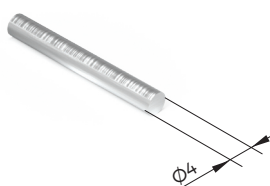
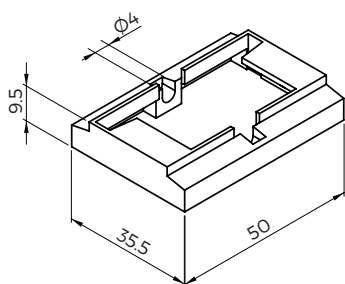
Elements for al. roller tracks	138			146	Roller track bracket Fe - low
Al. profile 40 x 45 roller tracks	140			147	Roller track bracket Fe - high
Roller bracket PA/roller axle	140			147	Roller track end piece Fe - low
Roller track wheel without guidance	141			148	Roller track longitudinal coupling - Fe
Roller track wheel with lateral guidance	141			148	Central guide
Profile end plate - low	142			149	Lateral guide
Roller track profile end plate - high	142			149	Marking bracket
Track bracket - high	143			150	Roller track cross coupling - Fe
Track bracket - low	143			150	Roller track with double rollers without guidance
Roller track coupling - Fe	145			151	Roller track with guidance
Support tube bracket - for 14029	146			151	Roller track without guidance

Roller track Al. profile 40 x 45



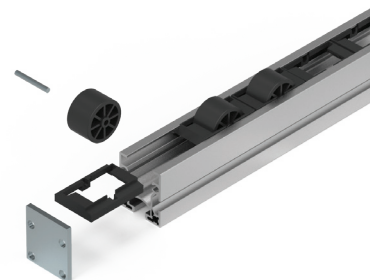
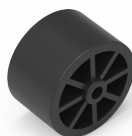
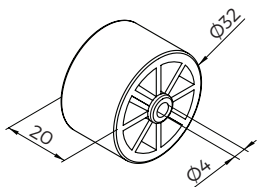
AI EI	8/10	Description	1.1 kg/m	Code
		Roller track Al. profile 40 x 45		14001

Roller bracket PA / roller axles



ESD	Zn Fe	PA6	Description	1 g	Code
			Roller bracket PA 35.5 x 50 mm		14002A
			Roller axles Ø4 x 31 mm	3 g	14005

Roller track wheel without guidance



PA6

Description



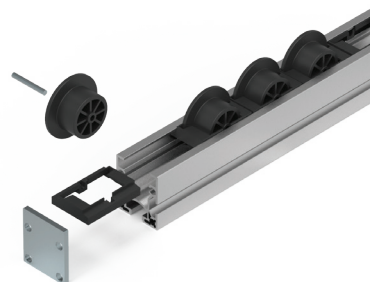
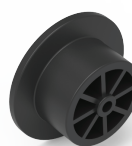
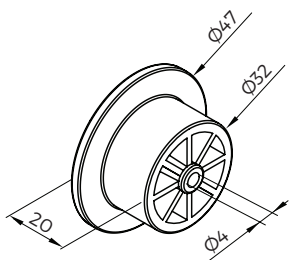
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Roller track wheel without guidance Ø32 x 20 mm

10 g

14003A

Roller track wheel with lateral guidance



PA6

Description



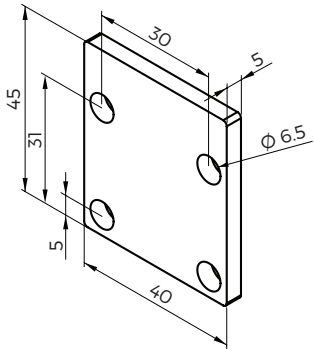
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Roller track wheel with lateral guidance Ø47 x 20 mm

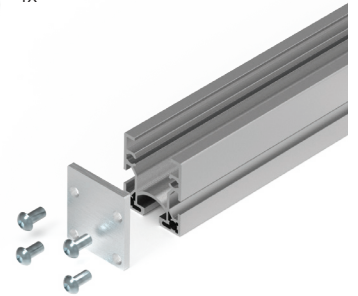
13 g

14004A

Profile end plate – low

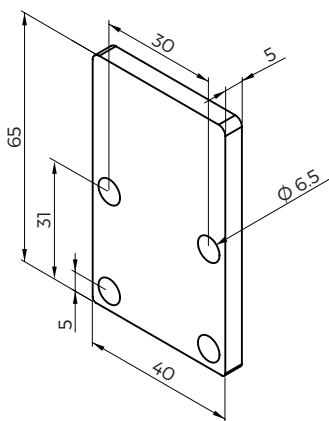


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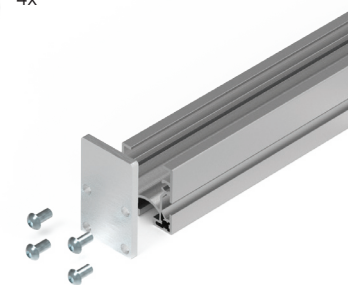


Zn Fe	Description		Code
	Profile end plate - low	51 g	14006
Components – possible additional purchase			Code
1	Lenticular head screw M6 x 16	page 42	11018

Profile end plate – high

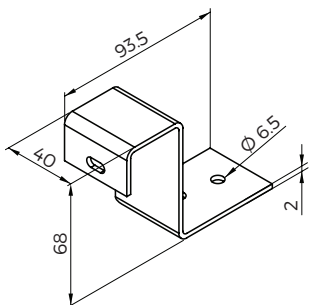


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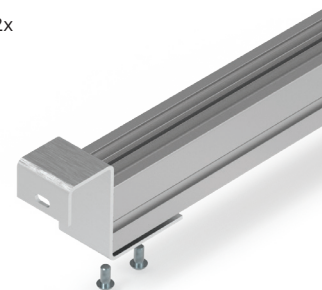


Zn Fe	Description		Code
	Profile end plate - high	75 g	14007
Components – possible additional purchase			Code
1	Lenticular head screw M6 x 16	page 42	11018

Track bracket – high

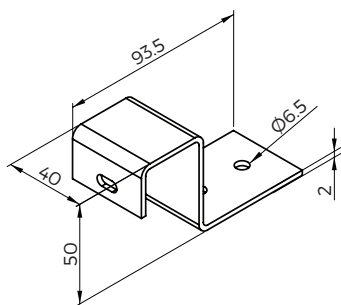


- 1 2x
- 2 2x

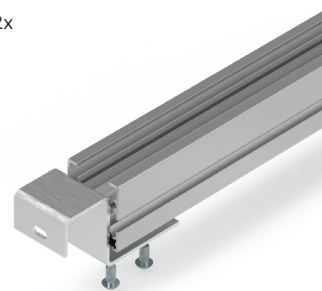


Zn Fe	Description	137 g	Code
	Track bracket – high		14008
Components – possible additional purchase			Code
1	Lenticular head screw M6 x 12	page 42	11017
2	Hammer-head nut M6 U8	page 45	11057
2	Hammer-head nut M6 U10	page 45	11060

Track bracket – low

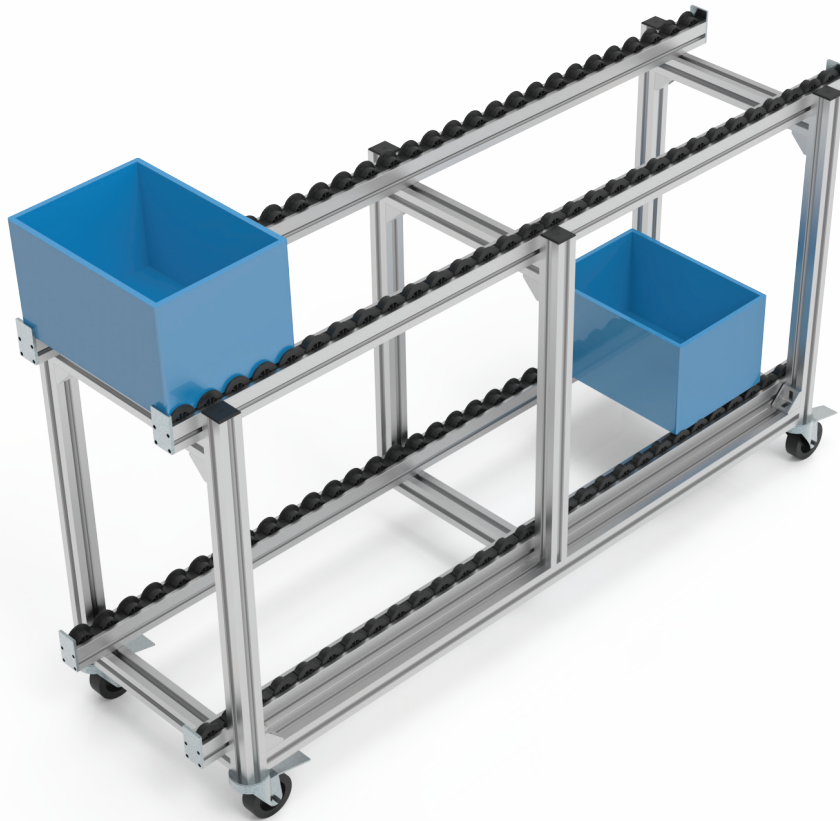


- 1 2x
- 2 2x

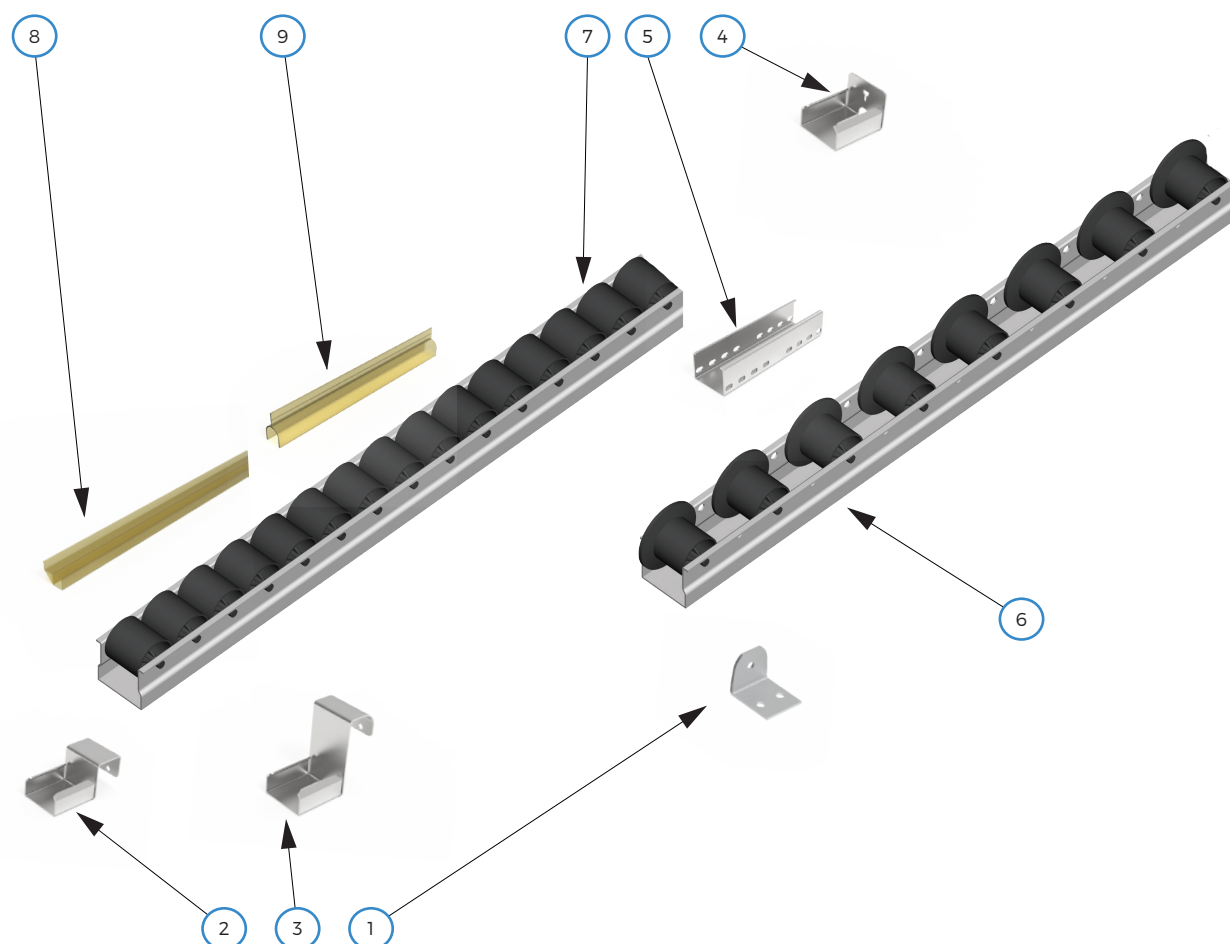


Zn Fe	Description	124 g	Code
	Track bracket – low		14009
Components – possible additional purchase			Code
1	Lenticular head screw M6 x 12	page 42	11017
2	Hammer-head nut M6 U8	page 45	11057
2	Hammer-head nut M6 U10	page 45	11060

Roller track, assembly – Fe

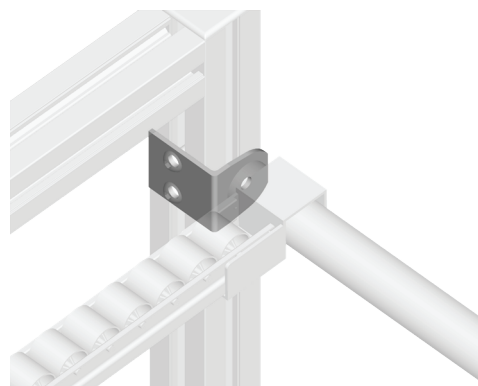
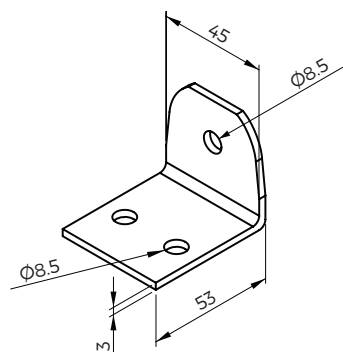



Roller track elements – Fe



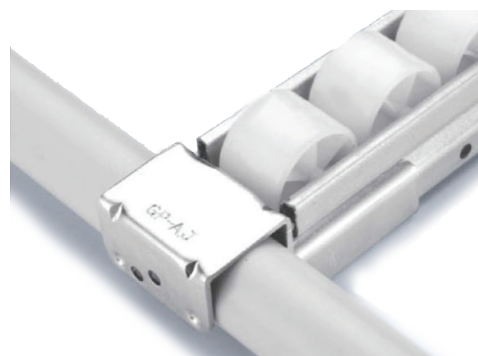
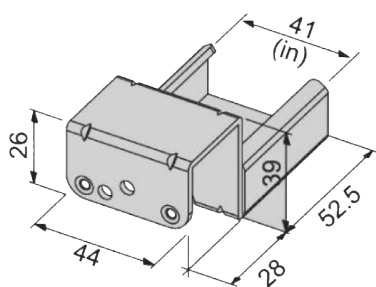
Position	Description	Code
1	Support tube bracket for 14029	14010
2	Roller track bracket Fe - low	14023
3	Roller track bracket Fe - high	14024
4	Roller track end piece Fe - low	14042
5	Roller track longitudinal coupling - Fe	14022
6	Roller track Fe with guidance	14020
7	Roller track Fe without guidance	14021
8	Lateral guide	14043
9	Central guide	14026


Support tube bracket – for 14029



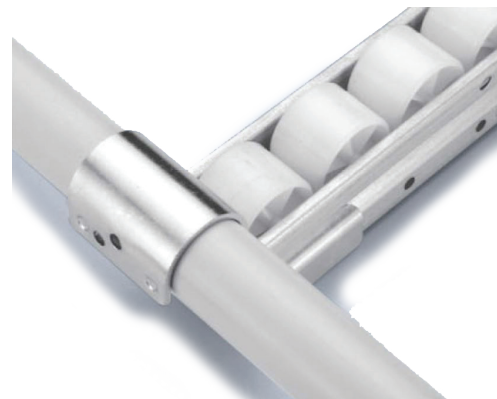
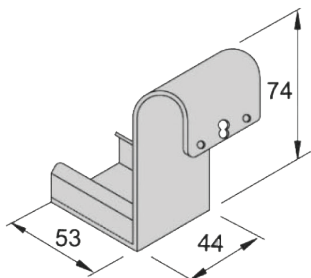
Zn Fe	Description		Code
	Support tube bracket – for 14029	89 g	14010

Roller track bracket – low



Zn Fe	Description		Code
	Roller track bracket Fe - low	100 g	14023

Roller track bracket Fe – high



Zn
Fe

Description



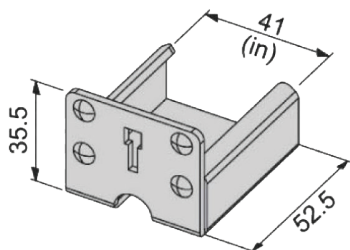
Code

Roller track bracket Fe – high

100 g

14024

Roller track end piece Fe – low



Zn
Fe

Description



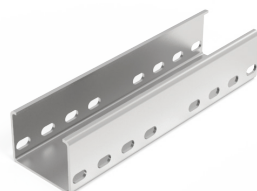
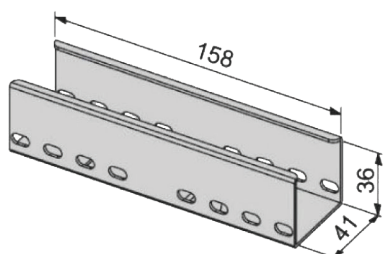
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Roller track end piece Fe – low

100 g

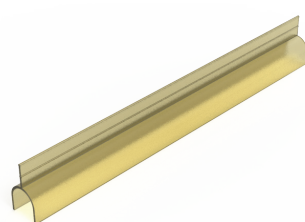
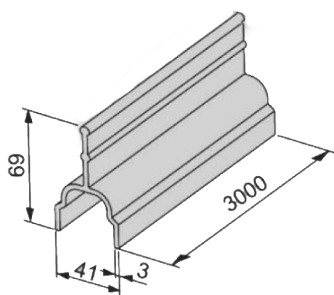
14042

Roller track longitudinal coupling – Fe



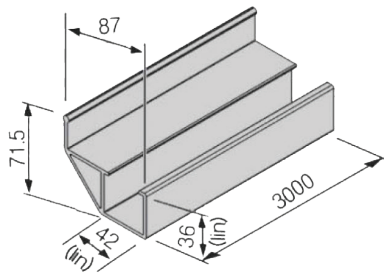
Zn Fe	Description		Code
	Roller track longitudinal coupling – Fe	100 g	14022

Central guide



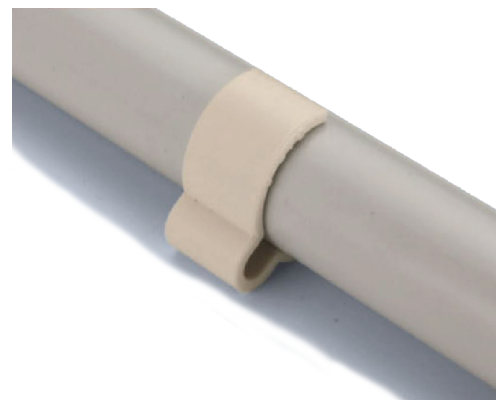
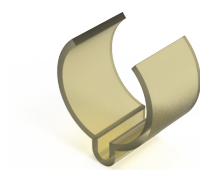
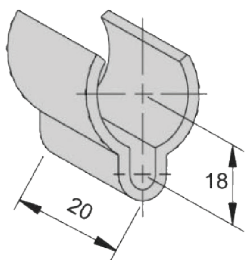
PA6	Description		Code
	Central guide, L = 3 000 mm	700 g/m	14026

Lateral guide



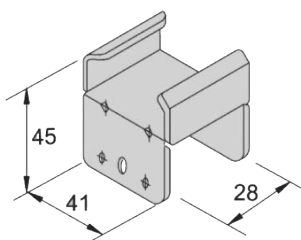
PA6	Description		Code
	Lateral guide, L = 3 000 mm	700 g/m	14043

Marking bracket



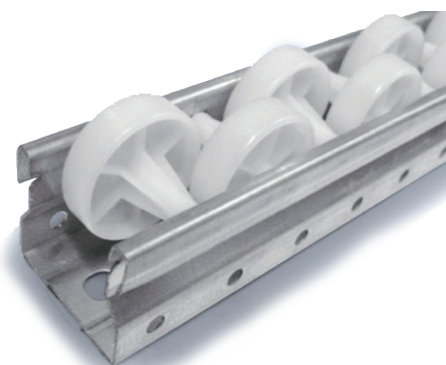
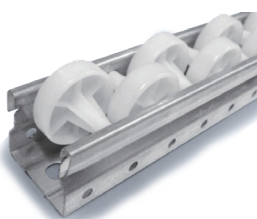
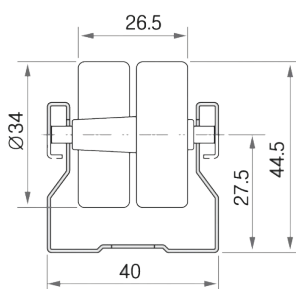
PA6	Description		Code
	Marking bracket	20 g	14025

Roller track cross coupling – Fe



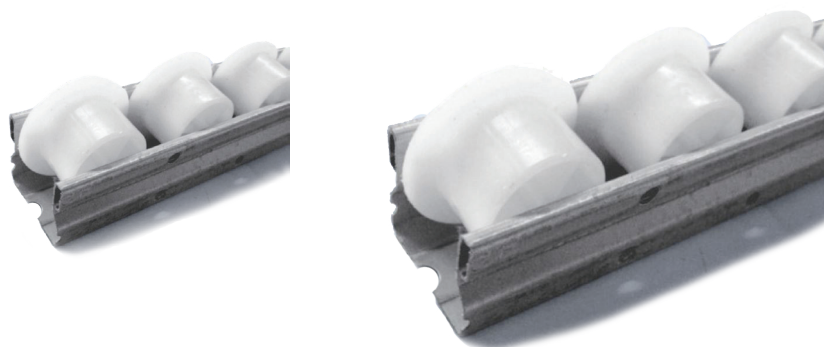
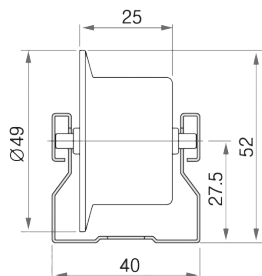
Zn Fe	Description		Code
	Roller track cross coupling – Fe	100 g	14044

Roller track with double rollers without guidance



Zn Fe	Description		Code
	Roller track with double rollers without guidance, L = 4 000 mm	1 125 g/m	14027

Roller track with guidance



Zn
Fe

PA6

Description



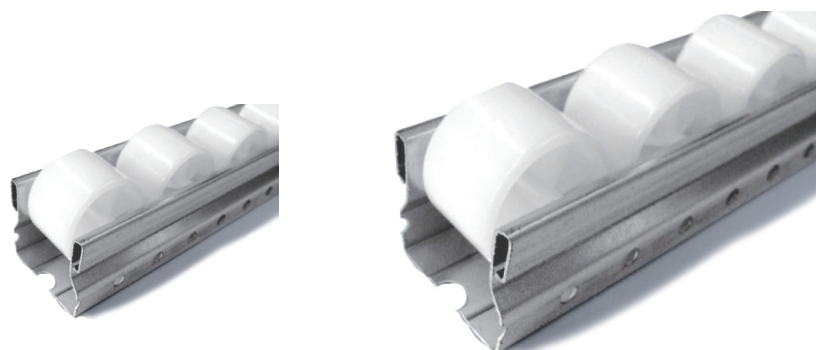
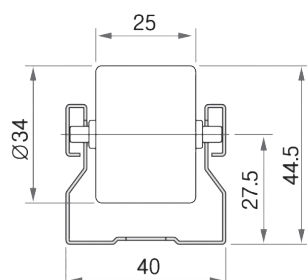
Code

Roller track with guidance, L = 4 000 mm

1070 g/m

14020

Roller track without guidance



Zn
Fe

PA6

Description



Code

Roller track without guidance, L = 4 000 mm

1 100 g/m

14021


















TUBULAR MODULAR SYSTEM





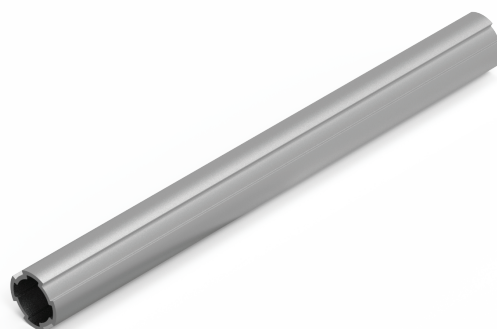
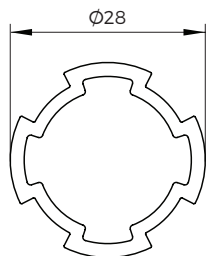
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Al. profile Ø28	157			162	Angle tube coupling 45°
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Clamping tube coupling D28	161				
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Al. tube construction



Al. profile Ø28 L



Al
El

8/10

Description



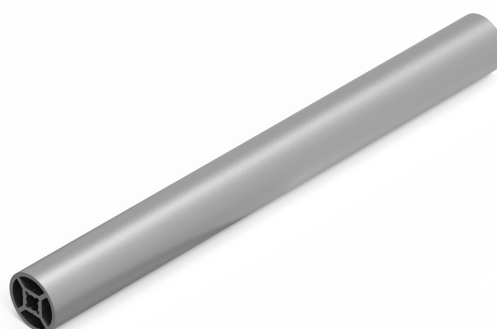
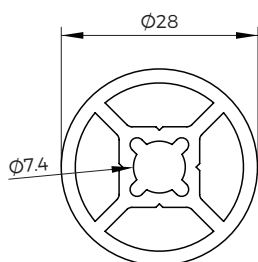
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Al. profile Ø28 L

500 g/m

14028

Al. profile Ø28



Al
El

M8

Description



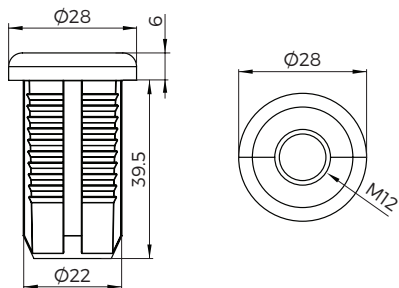
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Al. profile Ø28

600 g/m

14029

Cover with threaded nut D28



PA6
#

Description



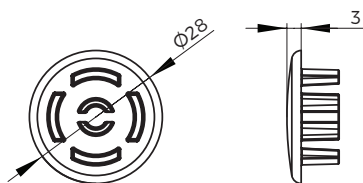
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Cover with threaded nut D28

20 g

14030

Profile cover Ø28



PA6
#

Description



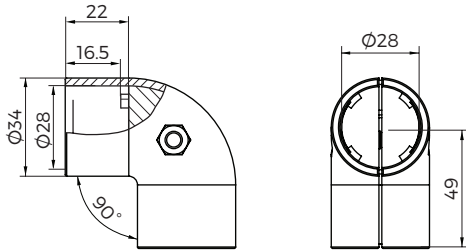
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Profile cover Ø28

2 g

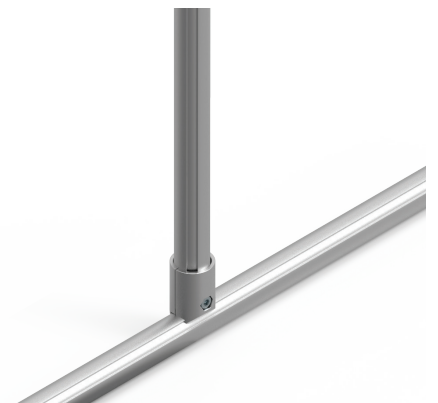
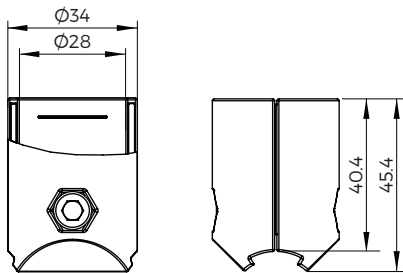
14031


Tube coupling – angle



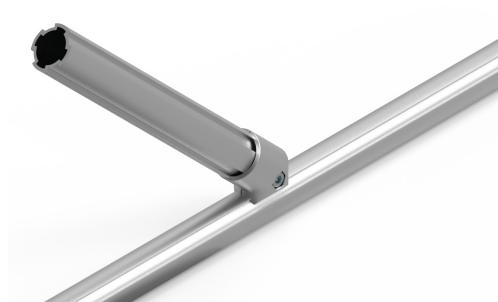
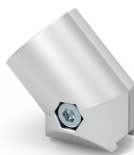
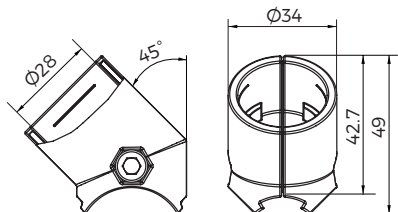
AI	Description		Code
	Tube coupling – angle	98 g	14032

Tube T – coupling D28



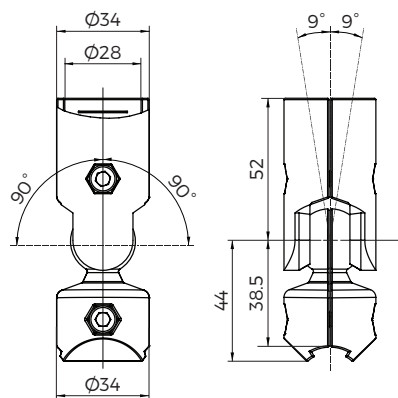
AI	Description		Code
	Tube T – coupling D28	55 g	14033

Tube coupling 45°



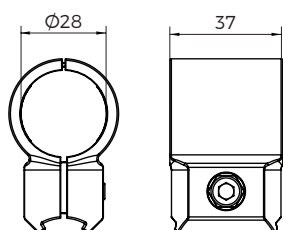
AI	Description		Code
	Tube coupling 45°	58 g	14034

Tube coupling joint



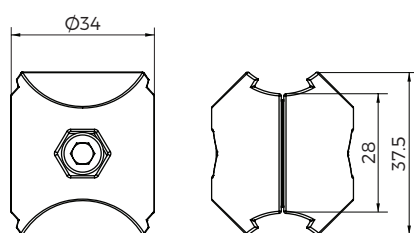
AI	Description		Code
	Tube coupling joint	130 g	14035

Clamping tube coupling D28



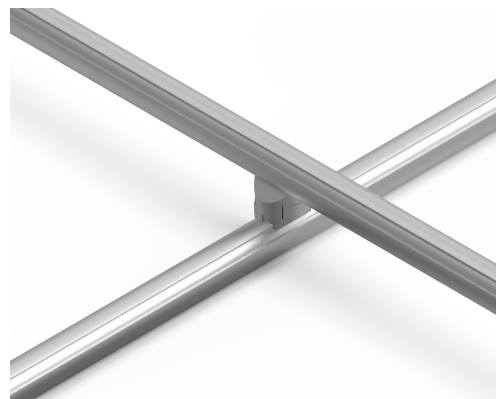
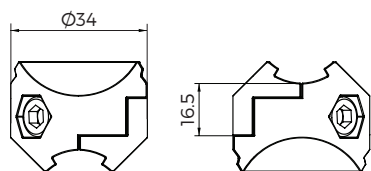
AI	Description		Code
	Clamping tube coupling D28	76 g	14036

Parallel tube coupling D28



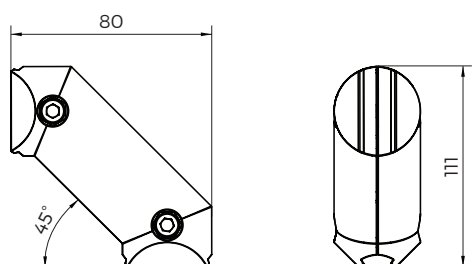
AI	Description		Code
	Parallel tube coupling D28	60 g	14037

Cross tube coupling



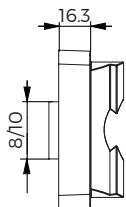
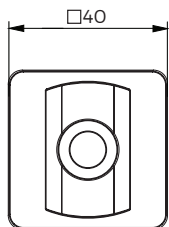
AI	Description		Code
	Cross tube coupling	50 g	14038

Angle tube coupling 45°



AI	Description		Code
	Angle tube coupling 45°	128 g	14039

Adapter 40 x 40 mm



Al
Ei

8/10

Description



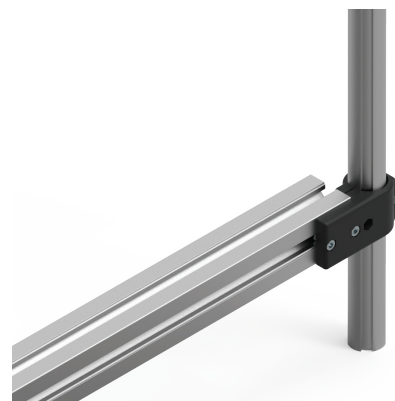
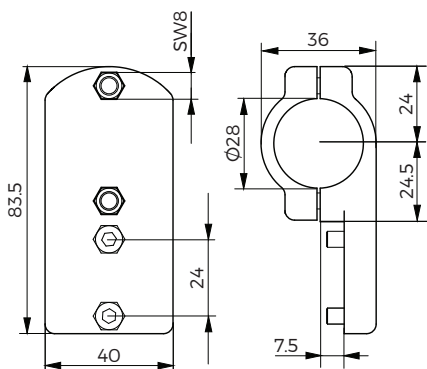
Code

Adapter 40 x 40 mm

26 g

14040

Bracket assembly D28



Al
Ei

8/10

Description



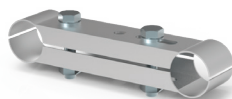
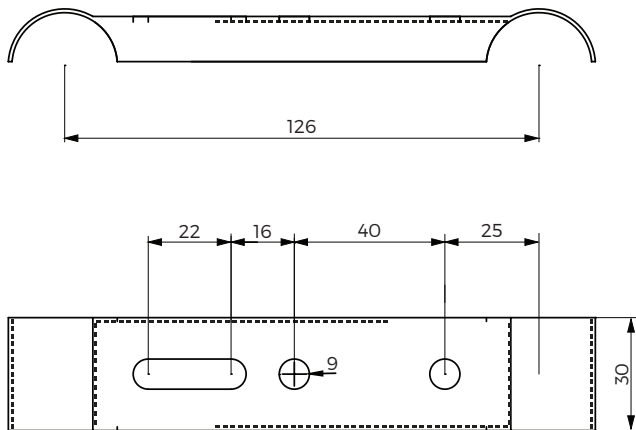
Code

Bracket set D28

212 g

14045

Wheel bracket



Zn Fe	Description	224 g	Code
	Wheel bracket		14041

In order to attach one wheel 4 pieces are needed.

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