ALUMINUM PROFILES AND COMPONENTS



Catalogue GLF-1P

Ce catalogue annule et remplace l’édition précédente.

Les informations techniques contenues dans ce catalogue proviennent d’essais de laboratoires ou d’applications dignes de foi, de même que toutes autres informations verbales ou écrites fournies à la demande de l’utilisateur, ont un caractère purement informatif. Aucune garantie ne peut être donnée en ce qui concerne les erreurs éventuelles et elles n’engagent aucunement la responsabilité de la société quant à l’aptitude des produits aux applications spécifiques auxquelles l’utilisateur entend les destiner. Etant à l’écoute de nos clients, nous nous réservons le droit de pouvoir apporter des modifications sur l’évolution de notre gamme de produits du présent catalogue.

Quality control

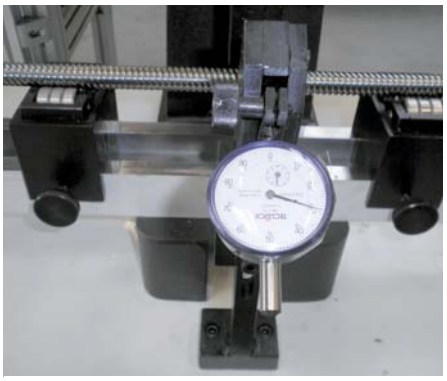
FLI Knowhow



FLI CAN MODIFY
THE PRELOAD
on ballscrews and linear guideways



FLI CAN ALSO MONITOR
THE TORQUEING LOAD



FLI CONTROL
THE STRAIGHTNESS
of ballscrews and precision shafts



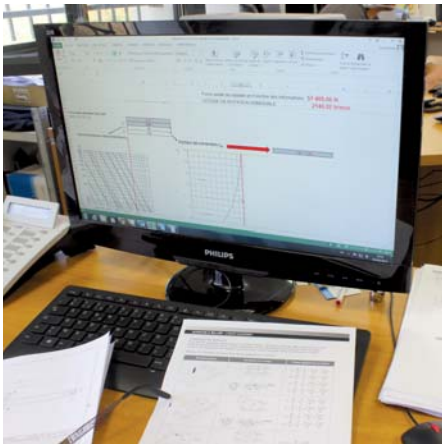
FLI CAN MONITOR
THE ROTATING TORQUE
on ball screws
According to ISO 3408-3

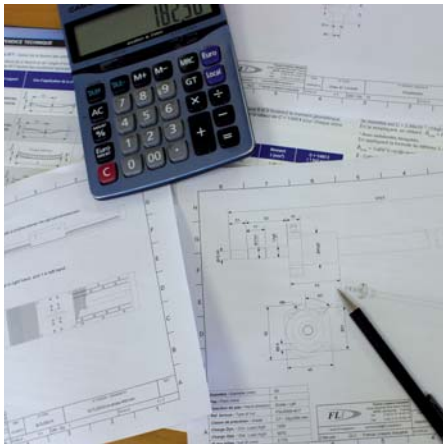


FLI CONTROL
THE THICKNESS
OF CHROMIUM COATING
and THE HARDNESS OF
OUR PRECISION SHAFTS



FLI GUARANTEE TRACEABILITY
thanks to LASER PRINTING
of our materials
with every client reference





TECHNICAL SUPPORT

*We'll provide you with **technical advice and assistance** and we'll help you choose the most suitable products to fit your needs.*

*In case of more sophisticated industrial needs, our company can have your study **analyzed and validated** by our engineers, who **will share their insights** with you to optimize the implementation phase.*

Advice

FLI stock

Rolled and ground ballscrews



Rolled ballscrews Ø6 to 63 / Ground ballscrews from Ø12 to 125 mm on request

Housing units for ballscrews and nuts



Linear guideways



Steel / Anticorrosion / Aluminium and stainless steel

Mechanical Components



Standard and stainless steel Rod ends / Track rollers / Cam followers

Linear tables / Actuators / Track rollers systems



Manufacture

FLI stock

Precision shafts



Hardened precision shaft Ø 4 to 100 mm / standard / chrome / stainless / hollow

Shaft support and housing units



Standard / compact / self-aligning

Precision spline shafts



Standard / anticorrosion treated / stainless

Linear bearings for precision shafts



Ball bearings Ø 3 to 150 mm (compact / self-aligning / stainless) plain bearings

Trapezoidal range



STEEL C35

STAINLESS AISI 316L

Ø 10 to 70 mm

Left and right hand / 2 start possible on request

Production

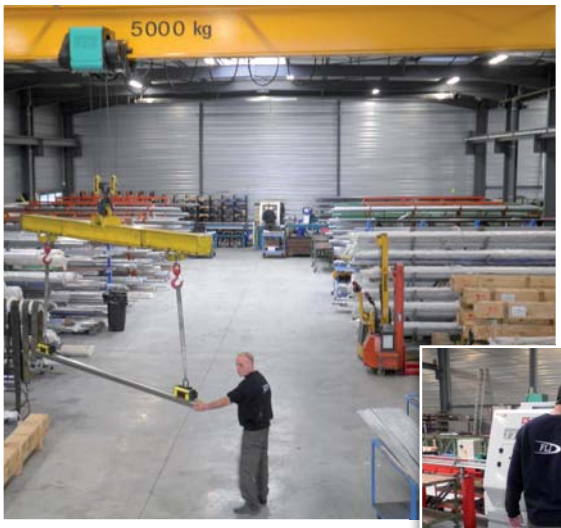
FLI Core Business

Stock / Machining

The stock at FLI comprises a large range of linear components that are available in various sizes, lengths. We offer economic and fast shaft machining, which is done in-house; more recently the company has joined forces with reliable partners to provide customers with new premium components to meet their every need.

Cutting and machining:

The warehouse is equipped with two cutting-stations along a 20-meter-long line that can handle up to 1,000 cuts a day and machine (diameters) cross-sections up to 100 mm.







From stock we are ready to deliver:



30,000 meters
of precision shafts



10,000
housing units



2,000 meters
ballscrews

50,000
linear bearings.

Laser-printing of rails:

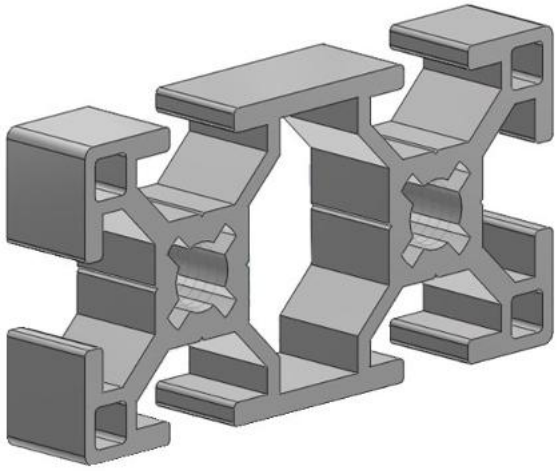
Available for all lengths over 4,000 mm (with junction fine-tuning) to ease final mounting.



Quality

Since its early days the company has endeavored to deliver high-quality products that meet and fulfill customers' expectations. Our Sales Administration deal courteously and efficiently with all customers' requests. These factors have contributed to establish ***our name both on the national and international markets****.*

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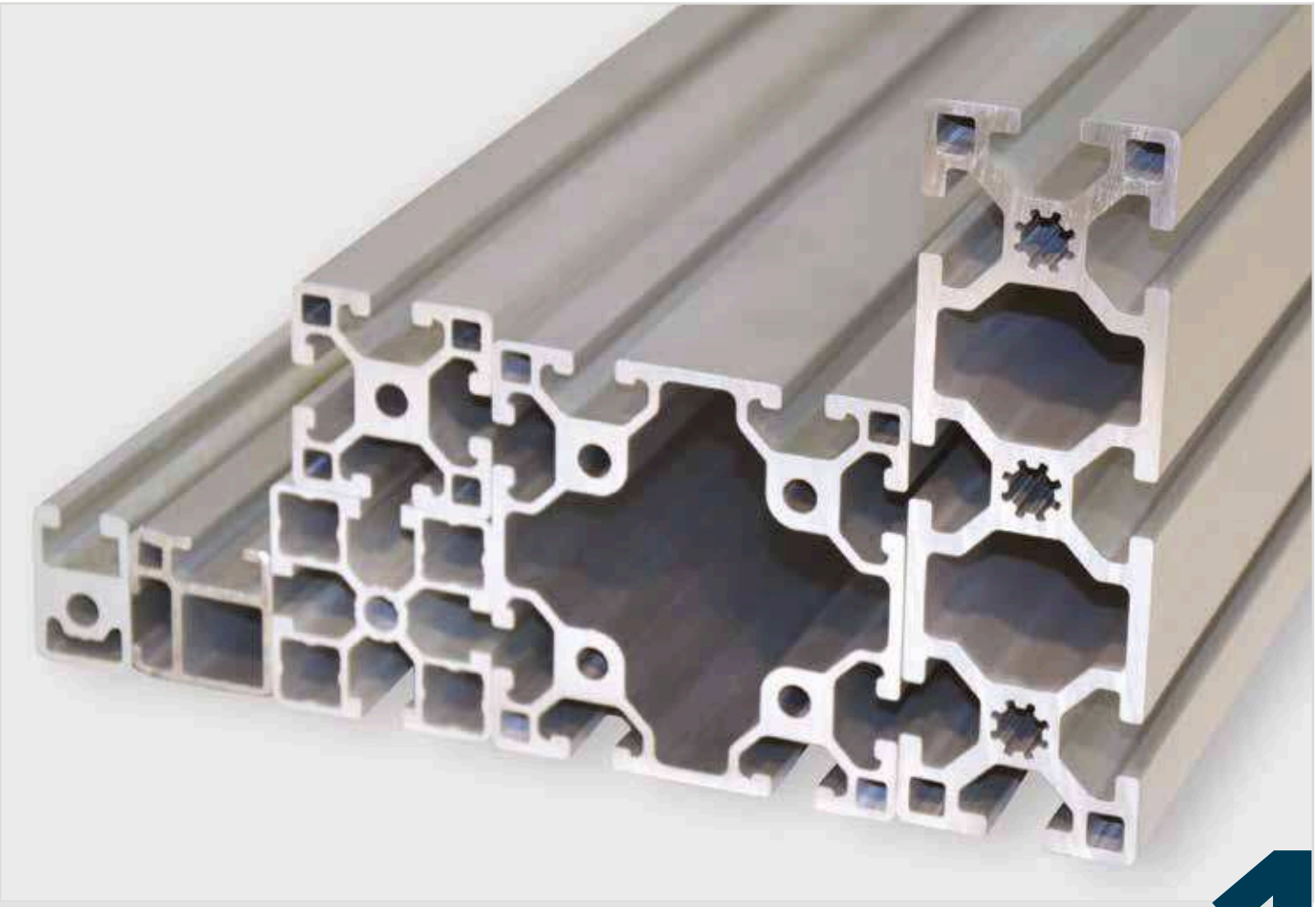
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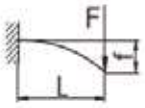
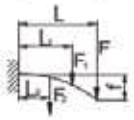
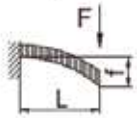
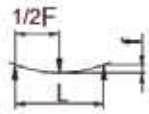
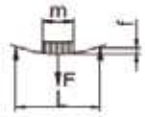
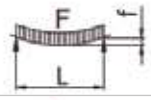
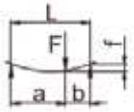
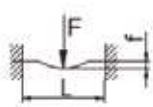
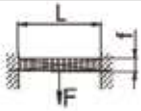


1

ALUMINUM PROFILE

LOAD CONFIGURATION - DEFLECTION

EXTRUDED PROFILES IN ALLOY: EN AW-6060 EN AW-6005 A
PHYSICAL CONDITIONS: T5-T6
DIMENSIONAL TOLERANCES AND THICKNESS: Following EN 12020-2
PROFILE WEIGHT: Indicated weight is theoretic, and can change following profiles thickness tolerances and dimensional (EN 12020-2)
PROFILE DIMENSIONS: Indicated dimension is theoretic, and can change following profiles dimensional tolerances (EN 12020-2). Dimensional variability could affect minimally the coupling system. Also oxidation surface and painting treatments could allow to change the profile dimensions.
ALUMINUM PROFILE SURFACE FINISHING: Profile surface finishing is realized by anodizing or paiting. Anodizing has an average thickness of 15 Microns (Class 15 following UNI 4522 - 66). Painting is realized following R.A.L. tables and has a minimum thickness of 60 Microns.

	LOAD CONFIGURATION	DEFLECTION
1		$f = \frac{F \cdot L^3}{3\,E \cdot I \cdot 10^4}$
2		$f = \frac{F \cdot L^3 + F_1 \cdot L_1^2 \cdot L + F_2 \cdot L_2^2 \cdot L}{3\,E \cdot I \cdot 10^4}$
3		$f = \frac{F \cdot L^3}{8\,E \cdot I \cdot 10^4}$
4		$f = \frac{F \cdot L^3}{48\,E \cdot I \cdot 10^4}$
5		$f = \frac{F \cdot L^3}{\left(48 + \frac{29\,m}{L}\right) \cdot E \cdot I \cdot 10^4}$
6		$f = \frac{5\,F \cdot L^3}{384\,E \cdot I \cdot 10^4}$
7		$f = \frac{F \cdot a^2 \cdot b^2}{3E \cdot I \cdot 10^4 \cdot L}$
8		$f = \frac{F \cdot L^3}{192\,E \cdot I \cdot 10^4}$
9		$f = \frac{F \cdot L^3}{384\,E \cdot I \cdot 10^4}$

CHEMICAL COMPOSITION

Lega EN AW-6060

CARATTERISTICHE FISICHE/*PHYSICAL CHARACTERISTICS*

Massa volumica/*Density*:2,69 g/cm^3

Punto di fusione inferiore/*Lower melting point*: 605°C

Calore specifico a 100 °C:0,92Joule / grammo · °Kelvin
Specific heat between 0° and 100°C

Conduttività termica a 20 °C/*Thermal conductivity at 20°C*
- nello stato/*in state* 0:2,09Watt / cm · °Kelvin
- nello stato/*in state* T6:1,75Watt / cm · °Kelvin

Coefficiente di dilatazione termica lineare *(Linear thermal expansion coefficient)*
da (from) 20°a (to) 100 °C:23 · 10^{-6} 1 / °Kelvin
da (from) 20°a (to) 200 °C:24 · 10^{-6} 1 / °Kelvin
da (from) 20°a (to) 300 °C:25 · 10^{-6} 1 / °Kelvin

Resistività elettrica a 20 °C/*Electrical resistivity at 20°C*
- nello stato/*in state* 0 : 3,14 microOhm · cm
- nello stato/*in state* T6 : 3,25 microOhm · cm

Modulo di elasticità/*Modulus of elasticity* E: 67 000 Newton / mm^2

COMPOSIZIONE CHIMICA SECONDO NORMA EUROPEA EN573.3/CHEMICAL COMPOSITION ACCORDING TO EUROPEAN STANDARD EN 573.3

Designazione della lega *Alloy designation*	Si	Fe	Cu max	Mn max	Mg	Cr max	Zn max	Ti max	Altri/*Others* Ciascuno *Each* max	Altri/*Others* Totale *Total* max	Al resto *remaining*
ENAW-6060	0,3÷0,6	0,1÷0,3	0,10	0,1	0,35÷0,6	0,05	0,15	0,10	0,05	0,15	

PROPRIETÀ MECCANICHE SECONDO NORMA EUROPEA EN755.2/*MINIMUM MECHANICAL PROPERTIES, ACCORDING TO EUROPEAN STANDARD EN 755.2*

Tipo di semilavorato *Types of profile*	STATO DI FORNITURA / TEMPER STATE: Denominazione *Denomination*	Simbolo *Symbol*	Spessore di parete e (mm) *Wall Thickness e (mm)*	Carico di rottura a trazione Rm (MPa) *Tensile strength Rm (MPa)*	Carico di scostamento dalla proporzionalità Rp (0.2) (MPa) *Limit elasticity load Rp (0.2) (MPa)*	Allungamento *Elongation* A %	Allungamento *Elongation* A50 mm %
profilato estruso *extruded profile*	Tempra in acqua + invecchiam. naturale *Water tempering + natural aging*	T 4 (*)	e ≤ 25	120 min	60 min	16 min	14 min
	Tempra alla pressa + invecch. artificiale *Water tempering + artificial aging*	T 5	e ≤ 5 5 < e ≤ 25	160 » 140 »	120 » 100 »	8 » 8 »	6 » 6 »
	Tempra in acqua + invecchiam. artificiale *Water tempering + artificial aging*	T 6 (*)	e ≤ 3 3 < e ≤ 25	190 » 170 »	150 » 140 »	8 » 8 »	6 » 6 »

(*) Proprietà meccaniche dello stato fisico indicato: ottenibili anche con tempra alla pressa
(*) Mechanical properties of the indicated physical state: also obtainable by tempering on press

Lega ENAW-6005 A

CARATTERISTICHE FISICHE/ *PHYSICAL CHARACTERISTICS*

Massa volumica/*Density*:2,69 g/cm^3

Punto di fusione inferiore/*Lower melting point*: 590°C

Calore specifico a 100 °C:0,94Joule / grammo · °Kelvin
Specific heat between 0° and 100°C

Conduttività termica a 20 °C/*Thermal conductivity at 20°C*
- nello stato/*in state* 0:2,01Watt / cm · °Kelvin
- nello stato/*in state* T6:1,82Watt / cm · °Kelvin

Coefficiente di dilatazione termica lineare *(Linear thermal expansion coefficient)*
da (from) 20°a (to) 100 °C:23,3 · 10^{-6} 1 / °Kelvin
da (from) 20°a (to) 200 °C:24,2 · 10^{-6} 1 / °Kelvin
da (from) 20°a (to) 300 °C:25,1 · 10^{-6} 1 / °Kelvin

Resistività elettrica a 20 °C/*Electrical resistivity at 20°C*
- nello stato/*in state* 0 : 3,1 microOhm · cm
- nello stato/*in state* T6 : 3,6 microOhm · cm

Modulo di elasticità /Modulus of elasticity E: 69 000 Newton / mm^2

COMPOSIZIONE CHIMICA SECONDO NORMA EUROPEA EN573.3/CHEMICAL COMPOSITION ACCORDING TO EUROPEAN STANDARD EN 573.3

Designazione della lega *Alloy designation*	Si	Fe max	Cu max	Mn max	Mg	Cr max	Zn max	Ti max	Altri/*Others* Ciascuno *Each* max	Altri/*Others* Totale *Total* max	Al resto *remaining*
EN AW-6005 A	0,5÷0,9	0,35	0,30	0,5 (1)	0,4÷0,7	0,3 (1)	0,20	0,10	0,05	0,1	

Nota/Note (1): (Mn + Cr) = 0,12÷0,50

PROPRIETÀ MECCANICHE SECONDO NORMA EUROPEA EN755.2/*MINIMUM MECHANICAL PROPERTIES, ACCORDING TO EUROPEAN STANDARD EN 755.2*

Tipo di semilavorato *Types of profile*	STATO DI FORNITURA / TEMPER STATE: Denominazione *Denomination*	Simbolo *Symbol*	Spessore di parete e (mm) *Wall Thickness e (mm)*	Carico di rottura a trazione Rm (MPa) *Tensile strength Rm (MPa)*	Carico di scostamento dalla proporzionalità Rp (0.2) (MPa) *Limit elasticity load Rp (0.2) (MPa)*	Allungamento *Elongation* A %	Allungamento *Elongation* A50 mm %
profilato estruso a sez. aperta *extruded profile open section*	Tempra in acqua + invecchiam. naturale *Water tempering + natural aging*	T 4 (*)	e ≤ 25	180 min	90 min	15 min	13 min
	Tempra in acqua + invecchiam. artificiale *Water tempering + artificial aging*	T 6 (*)	e ≤ 5 5 < e ≤ 10 10 < e ≤ 25	270 » 260 » 250 »	225 » 215 » 200 »	8 » 8 » 8 »	6 » 6 » 6 »
profilato estruso con cave *extruded profile with shot*	Tempra in acqua + invecchiam. naturale *Water tempering + natural aging*	T 4 (*)	e ≤ 10	180 min	90 min	15 min	13 min
	Tempra in acqua + invecchiam. artificiale *Water tempering + artificial aging*	T 6 (*)	e ≤ 5 5 < e ≤ 15	255 » 250 »	215 » 200 »	8 » 8 »	6 » 6 »

(*) Proprietà meccaniche dello stato fisico indicato: ottenibili anche con tempra alla pressa
(*) Mechanical properties of the indicated physical state: also obtainable by hardening on press

DIMENSIONAL AND SHAPE TOLERANCES
FOLLOWING REGULATION EN 12020-2

Table 1

dimension B o W [mm] over	dimension B o W [mm] up to	Tolerances on dimension B o W [mm]
	10	±0.15
10	15	±0.2
15	30	±0.25
30	45	±0.3
45	60	±0.4
60	90	±0.45
90	120	±0.6
120	150	±0.8
150	180	±1
180	240	±1.2
240	300	±1.5

W = *Dimension related to surfales interrupted by slots*

B = *Dimension related to contu nous surfaces*

S = *Wall thickness not adjacent to the cavity*

S_1, S_2 = *Wall thickness on 1 or more holes*

$Ø_C$ = *Circle diameter finite*

Table 1 reports the W and B Tolerances for transversal sections

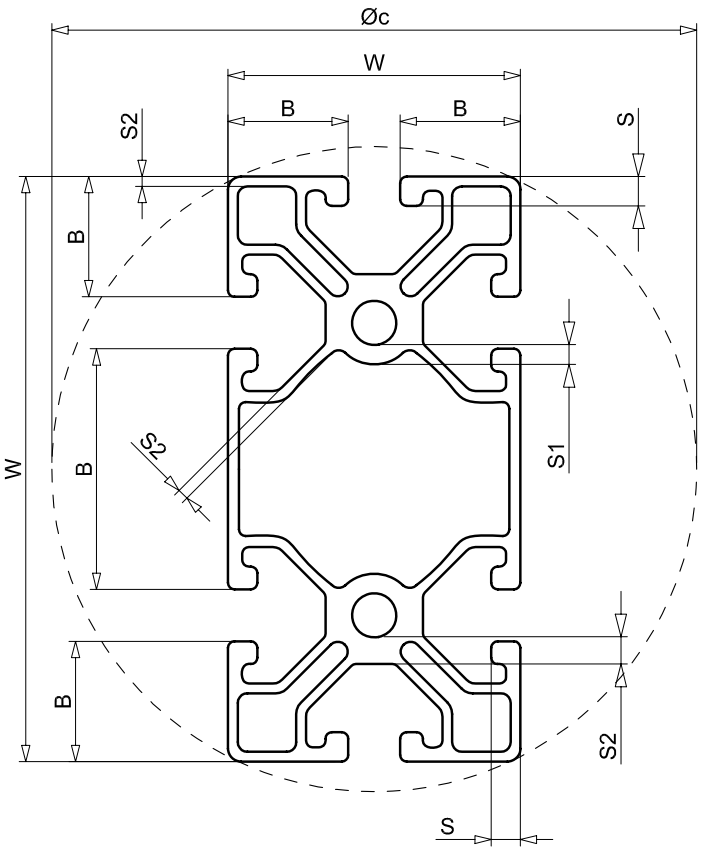


Table 2

Thickness [mm] over	Thickness [mm] up to	Thicknes Tolerances S,S1,S2 related on finite circle diameter Øc — S Øc≤100	S Øc 100 ≤ 300	S1 o S2 Ø≤100	S1 o S2 Øc 100 ≤ 300
	1.5	±0.15	±0.2	±0.2	±0.3
1.5	3	±0.15	±0.25	±0.25	±0.4
3	6	±0.2	±0.3	±0.4	±0.6
6	10	±0.25	±0.35	±0.6	±0.8
10	15	±0.3	±0.4	±0.8	±1
15	20	±0.35	±0.45	±1.2	±1.5
20	30	±0.4	±0.5	-	-
30	40	±0.45	±0.6	-	-

Thickness tolerances: indicated on table 2

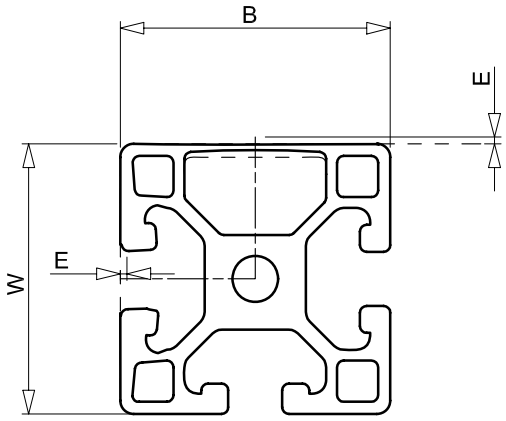
DIMENSIONAL TOLERANCES

PLANARITY TOLERANCES

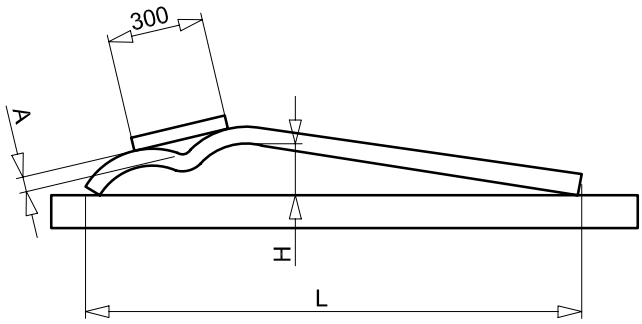
Table 3

Dimension B o W [mm] over	up to	Planarity Tolerances E [mm]
	30	0.2
30	60	0.3
60	100	0.4
100	150	0.5
150	200	0.7
200	250	0.85
250	300	1

Tables values are valid as well for band W dimension related to slot interrupted surfaces



STRAIGHTNESS TOLERANCES IN LONGITUDINAL DIRECTION

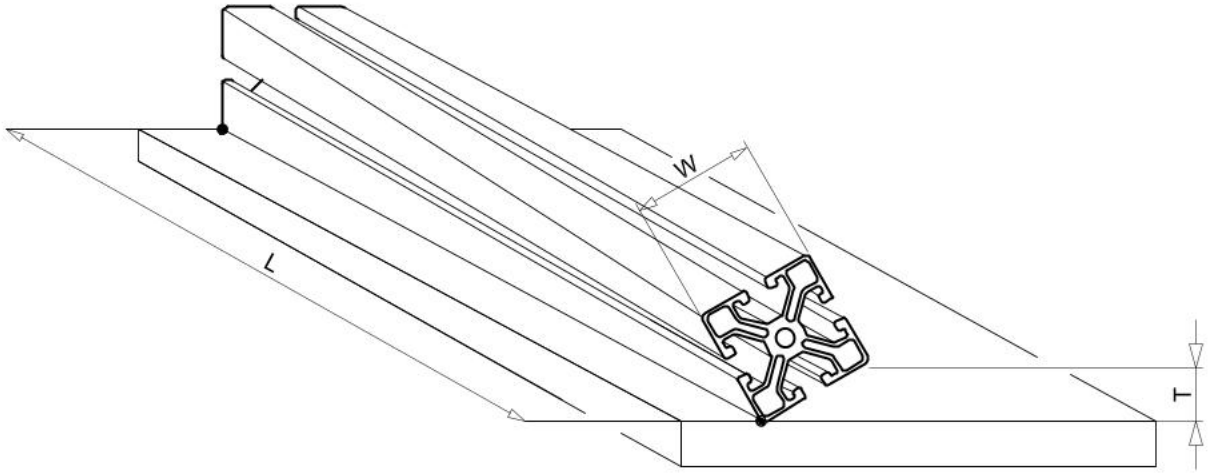


For local deformation deviator a referred to a 300 mm base, does not have to exceed 0,3 mm. while complete deformation H must respect the limit on table.

Table 4

LENGHT L [mm]	up to 1000	from 1000 to 2000	from 2000 to 3000	from 3000 to 4000	from 4000 to 5000	from 5000 to 6000	over 6000
TOLERANCE H [mm]	0.7	1.3	1.8	2.2	2.6	3	3.5

TWISTING TOLERANCE



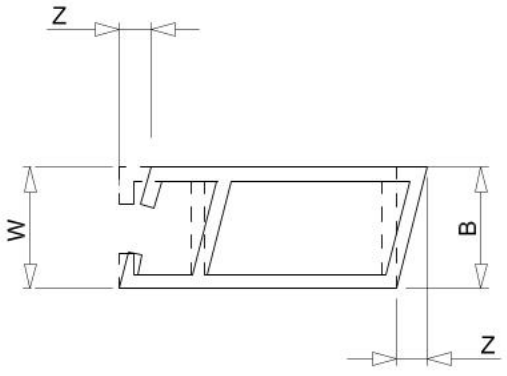
Tolleranze di svergolamento T in funzione della lunghezza L [mm]

Width W [mm] over	Width W [mm] up to	up to 1000	over 1000 up to 2000	over 2000 up to 3000	over 3000 up to 4000	over 4000 up to 5000	over 5000 up to 6000	over 6000
	25	1	1.5	1.5	2	2	2	by agreement
25	50	1	1.2	1.5	1.8	2	2	
50	75	1	1.2	1.2	1.5	2	2	
75	100	1	1.2	1.5	2	2.2	2.5	
100	125	1	1.5	1.8	2.2	2.5	3	
125	150	1.2	1.5	1.8	2.2	2.5	3	
150	200	1.5	1.8	2.2	2.6	3	3.5	
200	300	1.8	2.5	3	3.5	4	4.5	

PERPENDICULARY TOLERANCES

Tabella 6

B o W[mm] over	B o W[mm] up to	DIMENSION TOLERANCES Z [mm]
	30	0.3
30	50	0.4
50	80	0.5
80	100	0.6
100	120	0.7
120	140	0.8
140	160	0.9
160	180	1
180	200	1.2
200	240	1.5

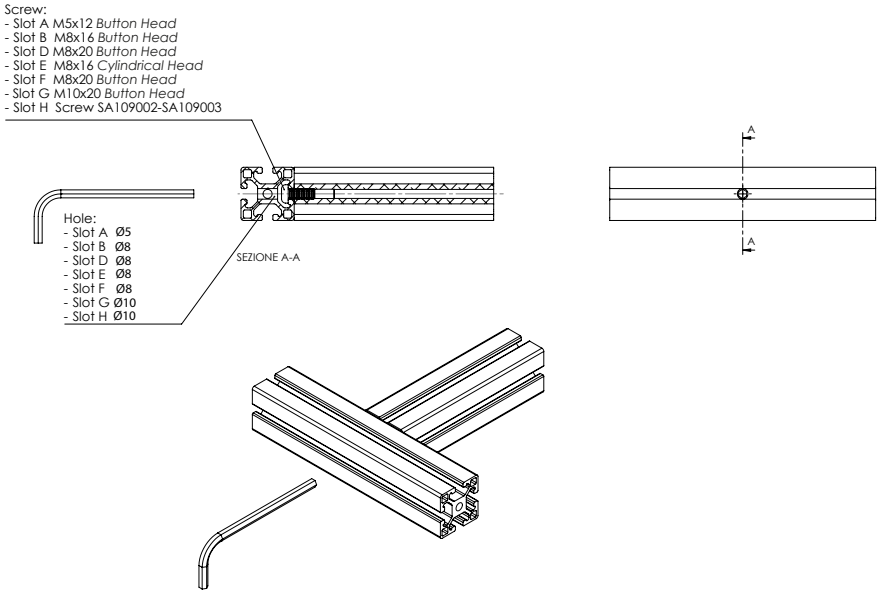


PROFILES FASTENING

Fastening Methods for aluminum extrusions for construction mounting, would be chosen according to the realization speed and requested load condition.

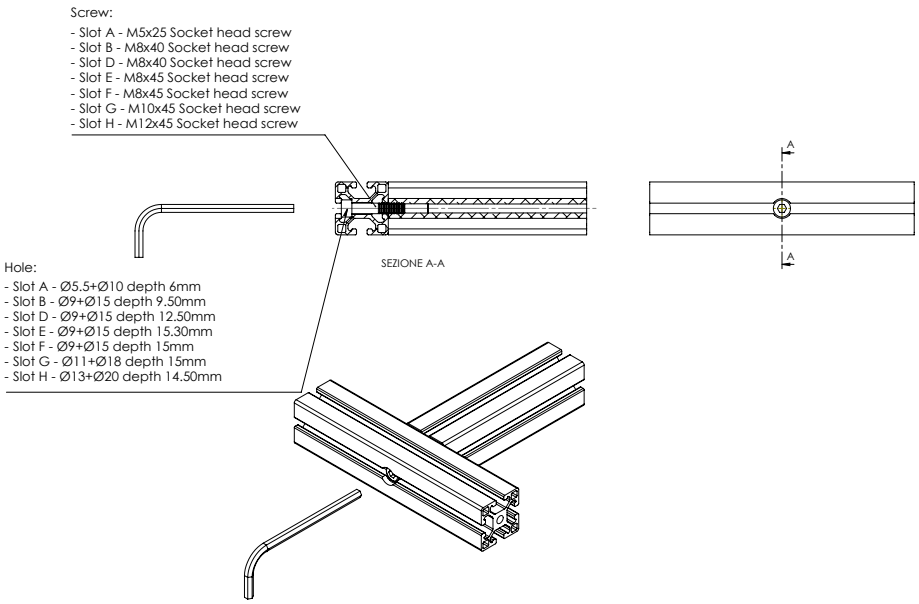
1) SCREW IN SLOT FASTENING

This is the easier and faster fastening. It allows to obtain a good perpendicularity between surfaces and good resistance features.

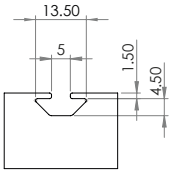
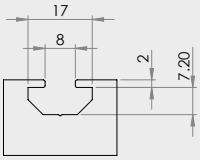
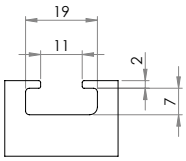
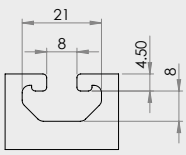


2) THROUGH SCREW AND COUNTERSINK FASTENING

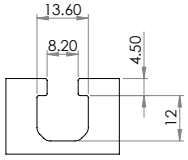
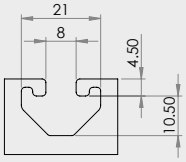
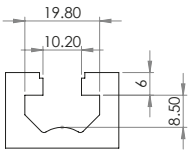
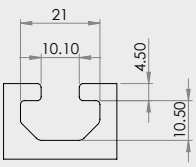
This fastening type, allows a better junction resistance. Perpendicularity features are fair (it depends on the profile cutting accuracy). The Through screw mounting ensure the anti-slipping in case of the screw loosening.



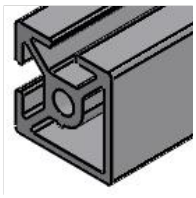
SLOT SYMBOL

SLOT SYMBOL	SLOT SECTION	HOLE	SLOT WIDTH (mm)	SLOT DEPTH (mm)	WALL THICKNESS (mm)	PROFILES GROUP
5 A 6 SERIE 20		4.30	5	4.5	1.5	SERIE 20
8 B 9.20 SERIE 30		6.80	8	7.20	2	SERIE 30
11 C 9 SERIE 30		--	11	7	2	SERIE 30
8 D 12.50 SERIE 40		6.80	8	8	4.5	SERIE 40

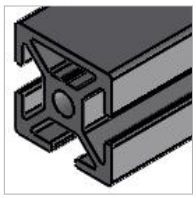
SLOT SYMBOL

SLOT SYMBOL	SLOT SECTION	HOLE	SLOT WIDTH (mm)	SLOT DEPTH (mm)	WALL THICKNESS (mm)	PROFILES GROUP
8.2 E 16.50 SERIE 45		7.30	8.2	12	4.5	SERIE 45
8 F 15 SERIE 45		6.80	8	10.5	4.5	SERIE 45
10.20 G 14.50 SERIE 45		8.5	10.2	8.5	6	SERIE 45
10.1 H 15 SERIE 45		9.9	10.1	10.5	4.5	SERIE 45

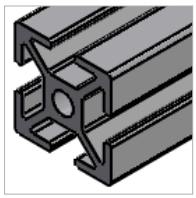
1.1 *ALUMINUM PROFILE SERIES 20*



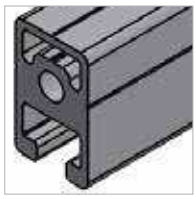
20x20 2 slots



20x20 3 slots



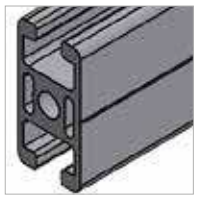
20x20 4 slots



20x32 1 slot

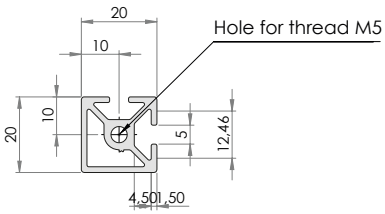


20x32 2 slots

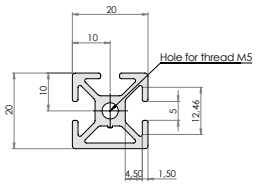


20x40 2 slots

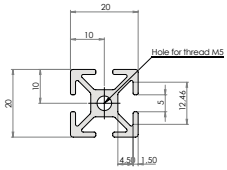
SA020020AL0205M



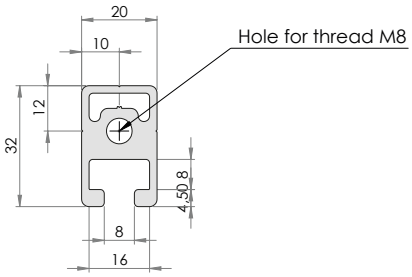
SA020020AL0305M



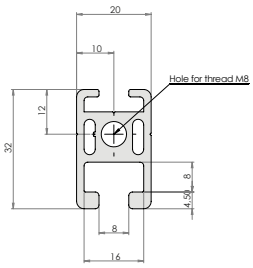
SA020020AL0405M



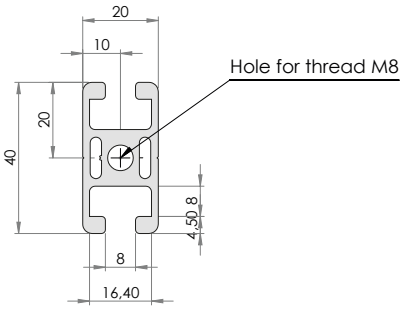
SA020032AL0108M



SA020032AL0208M



SA020040AL0208M

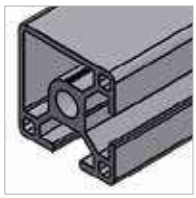


CODE	PROFILE	SLOT	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA020020AL0205M	*PROFILE 20x20 LIGHT*	A	0,459	0,69	0,69	0,69	0,69
SA020020AL0305M	*PROFILE 20x20 LIGHT*	A	0,481	0,64	0,71	0,64	0,68
SA020020AL0405M	*PROFILE 20x20 LIGHT*	A	0,459	0,68	0,68	0,68	0,68
SA020032AL0108M	*PROFILE 20x32 LIGHT*	D	0,948	2,702	1,579	1,582	1,579
SA020032AL0208M	*PROFILE 20x32 LIGHT*	D	0,813	2,433	1,428	1,478	1,428
SA020040AL0208M	*PROFILE 20x40 LIGHT*	D	0,977	4,463	1,722	2,232	1,722

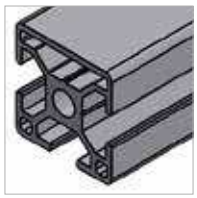
1.2 *ALUMINUM PROFILE SERIES 30*



30x30 R 2 slots



30x30 2 slots



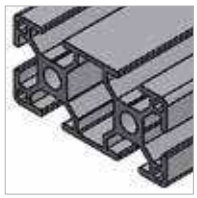
30x30 3 slots



30x30 4 slots

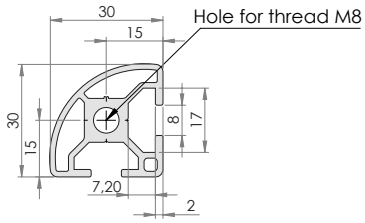


30x30 4 slots

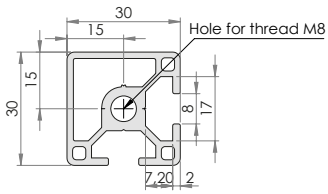


30x60 6 slots

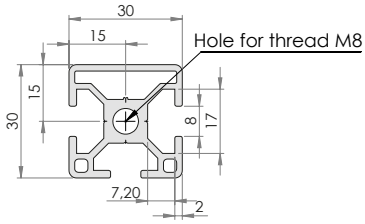
SA030030RL0208M



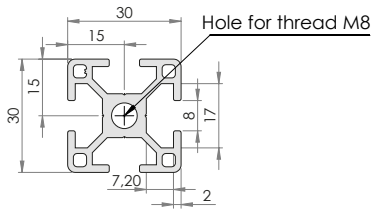
SA030030AL0208M



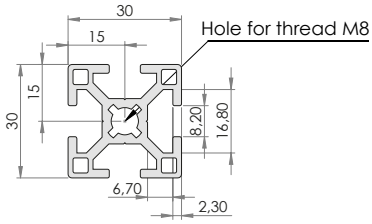
SA030030AL0308M



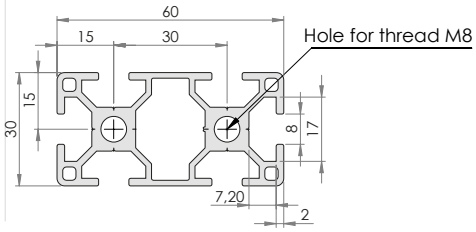
SA030030AL0408M



SA030030AL0408B

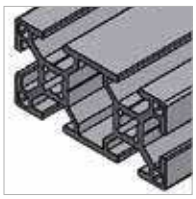


SA030060AL0608M

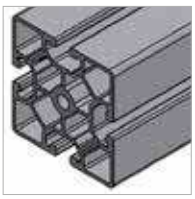


CODE	PROFILE	SLOT	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA030030RL0208M	*PROFILE 30x30 ROUND LIGHT*	B	0,778	2,177	2,175	1,341	1,338
SA030030AL0208M	*PROFILE 30x30 LIGHT*	B	0,853	2,883	2,882	1,904	1,902
SA030030AL0308M	*PROFILE 30x30 LIGHT*	B	0,867	2,923	2,741	1,942	1,827
SA030030AL0408M	*PROFILE 30x30 LIGHT*	B	0,872	2,85	2,85	1,9	1,9
SA030030AL0408B	*PROFILE 30x30 LIGHT*	B	0,875	2,9	2,9	1,93	1,93
SA030060AL0608M	*PROFILE 30x60 LIGHT*	B	1,49	4,994	20,149	3,329	6,716

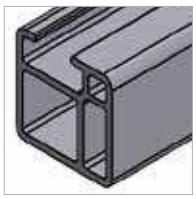
1.2 *ALUMINUM PROFILE SERIES 30*



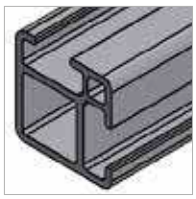
30x60 6 slots



60x60 4 slots

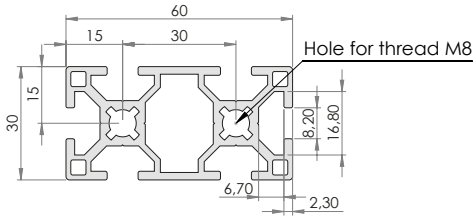


30x30 frame 1 slot

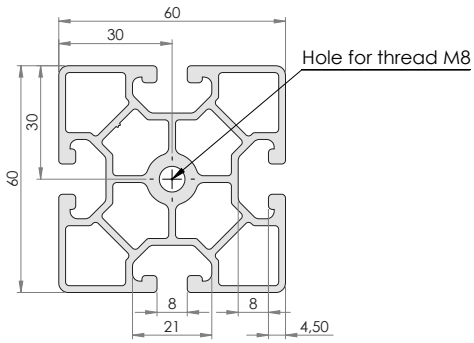


30x30 frame 2 slots

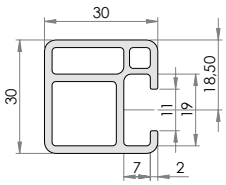
SA030060AL0608B



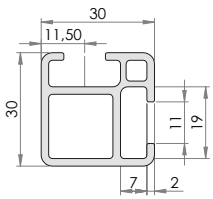
SA060060AL0408M



SAF030030AL0111M



SAF030030AL0211M

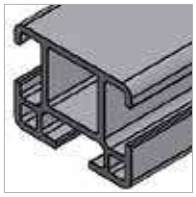


CODE	PROFILE	SLOT	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA030060AL0608B	*PROFILE 30x60 LIGHT*	B	1,512	5,3	20,2	3,53	6,73
SA060060AL0408M	*PROFILE 60x60 LIGHT*	D	2,856	35,4	35,4	11,8	11,8
SAF030030AL0111M	*PROFILE FRAME 30x30 LIGHT*	C	0,783	5,42	5,45	3,62	3,63
SAF030030AL0211M	*PROFILE FRAME 30x30 LIGHT*	C	0,721	5,42	5,42	3,62	3,62

1.2 *ALUMINUM PROFILE SERIES 30*



21x40 frame 2 slots

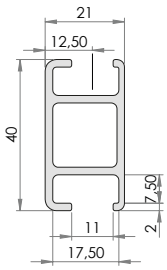


30x39 frame 3 slots

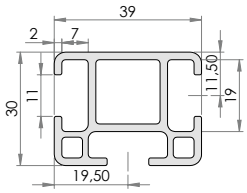


21x135° frame 2 slots

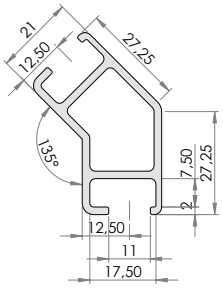
SAF021040AL0211M



SAF030039AL0311M



SAF021135BL0211M

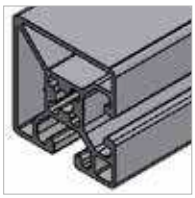


CODE	PROFILE	SLOT	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SAF021040AL0211M	*PROFILE FRAME 21x40 LIGHT*	C	0,656	3,29	1,62	1,64	1,55
SAF030039AL0311M	*PROFILE FRAME 30x39 LIGHT*	C	0,921	3,694	5,238	2,42	2,686
SAF021135BL0211M	*PROFILE FRAME 21x135° LIGHT*	C	0,748	5,18	2,2	2	3,62

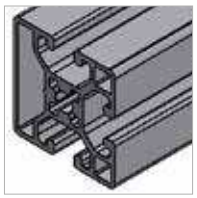
1.3 *ALUMINUM PROFILE SERIES 40 EXTRA LIGHT*



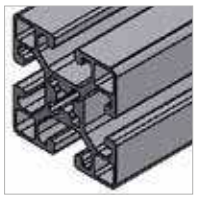
40x40 1 slot



40x40 2 slots



40x40 3 slots

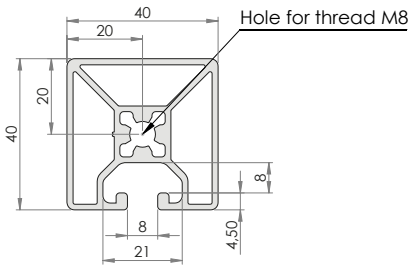


40x40 4 slots

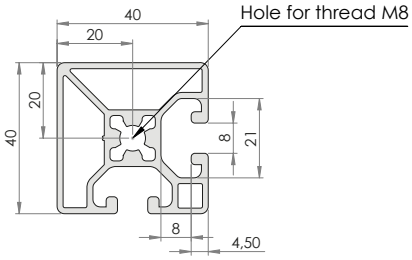


40x80 6 slots

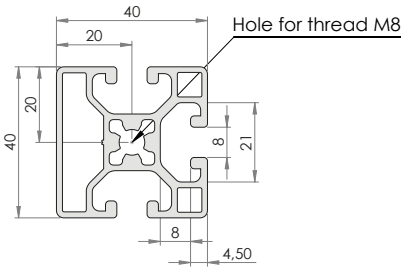
SA040040AX0108M



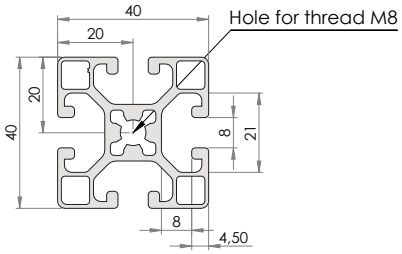
SA040040AX0208M



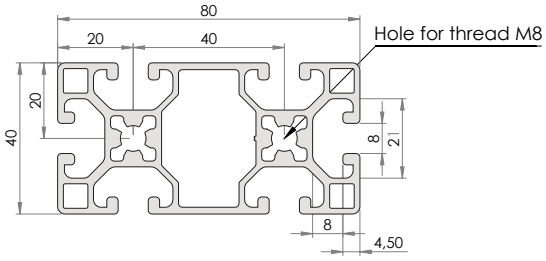
SA040040AX0308M



SA040040AX0408M

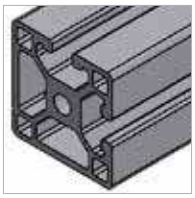


SA040080AX0608M

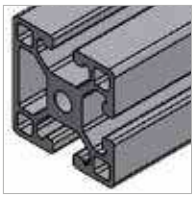


CODE	PROFILE	SLOT	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA040040AX0108M	PROFILE 40x40 EXTRA-LIGHT	D	1,283	7,841	7,601	3,891	3,8
SA040040AX0208M	PROFILE 40x40 EEXTRA-LIGHT	D	1,326	7,852	7,855	3,849	3,852
SA040040AX0308M	PROFILE 40x40 EXTRA-LIGHT	D	1,369	8,096	7,795	4,048	3,736
SA040040AX0408M	PROFILE 40x40 EXTRA-LIGHT	D	1,318	7,132	7,132	3,564	3,564
SA040080AX0608M	PROFILE 40x40EXTRA-LIGHT	D	2,432	15,15	59,684	7,576	14,921

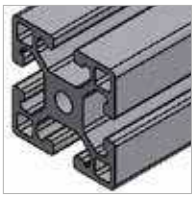
1.4 *ALUMINUM PROFILE SERIES 40 LIGHT*



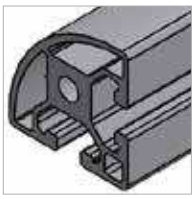
40x40 2 slots



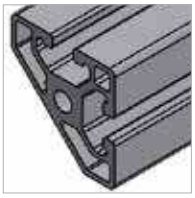
40x40 3 slots



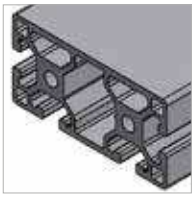
40x40 4 slots



40x40 R 2 slots

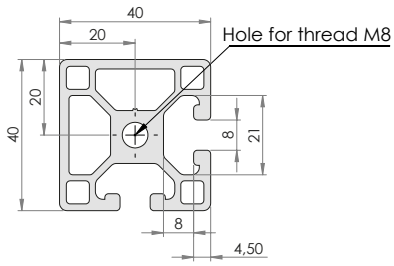


40x40 2 slots

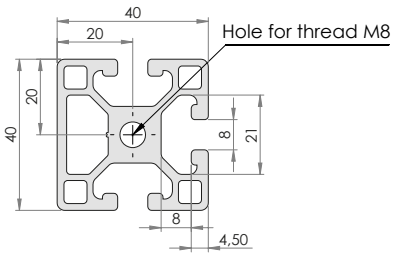


40x80 4 slots

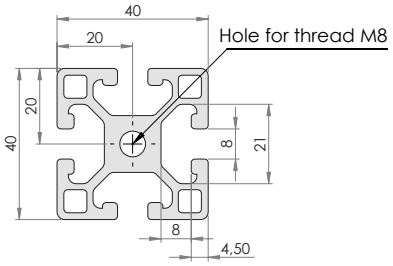
SA040040AL0208M



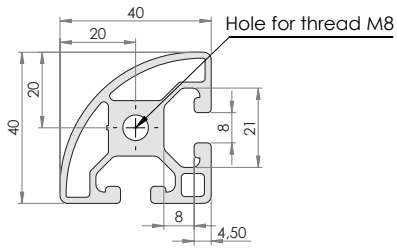
SA040040AL0308M



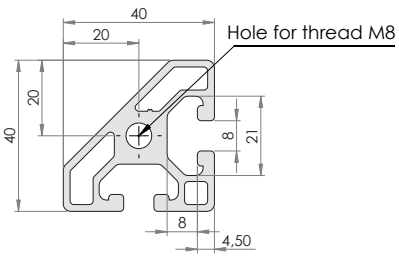
SA040040AL0408M



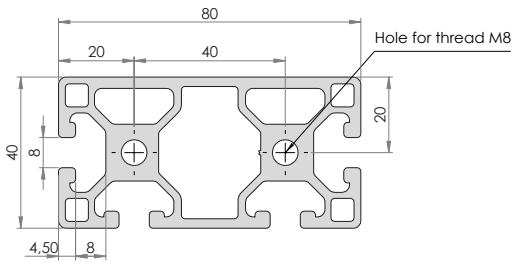
SA040040RL0208M



SA040040BL0208M



SA040080AL0408M

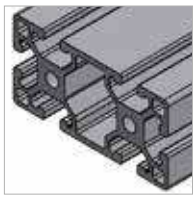


CODE	PROFILE	SLOT	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA040040AL0208M	*PROFILE 40x40 LIGHT*	D	1,709	9,878	9,878	4,921	4,921
SA040040AL0308M	*PROFILE 40x40 LIGHT*	D	1,749	9,786	10,005	4,888	4,979
SA040040AL0408M	*PROFILE 40x40 LIGHT*	D	1,79	9,913	9,913	4,957	4,957
SA040040RL0208M	*PROFILE 40x40 ROUND LIGHT*	D	1,463	6,809	6,808	3,044	3,052
SA040040BL0208M	*PROFILE 40x40x45° LIGHT*	D	1,401	6,41	6,41	2,777	2,777
SA040080AL0408M	*PROFILE 40x80 LIGHT*	D	3,105	19,52	73,254	9,536	18,311

1.4 *ALUMINUM PROFILE SERIES 40 LIGHT*



40x80 3 slots

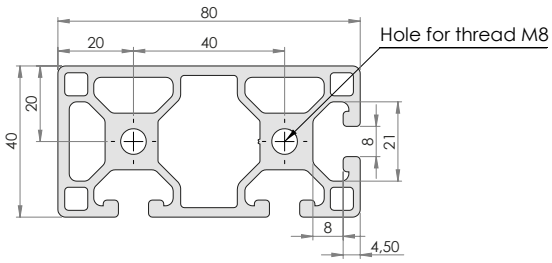


40x80 6 slots

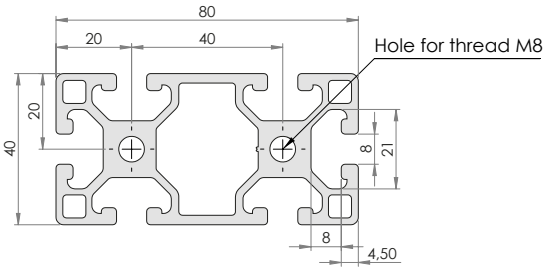


40x120 8 slots

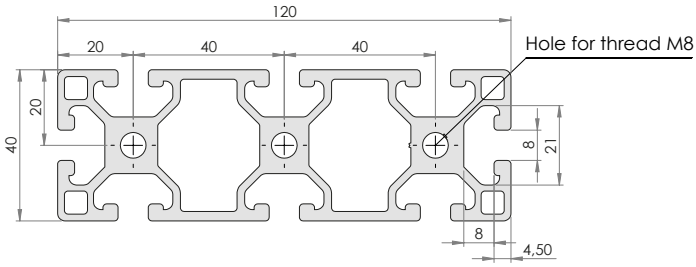
SA40080AL308M



SA040080AL0608M



SA040120AL0808M



CODE	PROILE	SLOT	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA040080AL0308M	PROFILE 40x80 LIGHT	D	3,14	19,493	75,379	9,525	18,63
SA040080AL0608M	PROFILE 40x80 LIGHT	D	3,032	18,458	72,237	9,229	18,059
SA040120AL0808M	PROFILE 40x120 LIGHT	D	4,227	27,002	224,42	13,501	37,403

1.4 *ALUMINUM PROFILE SERIES 40 LIGHT*



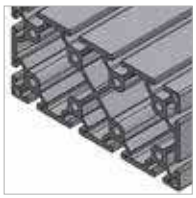
40x180 10 slots



80x80 8 slots

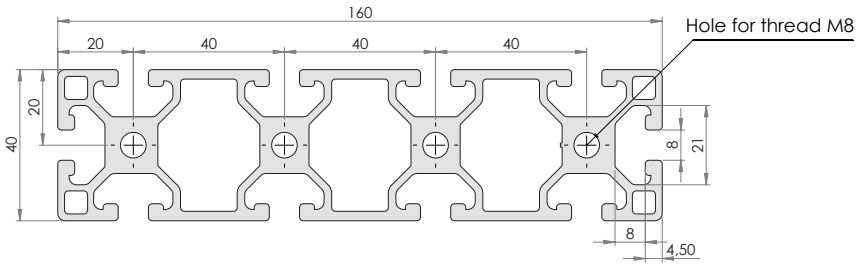


80x120 10 slots

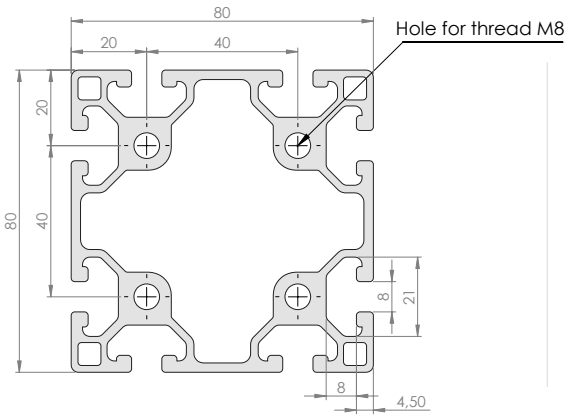


80x160 12 slots

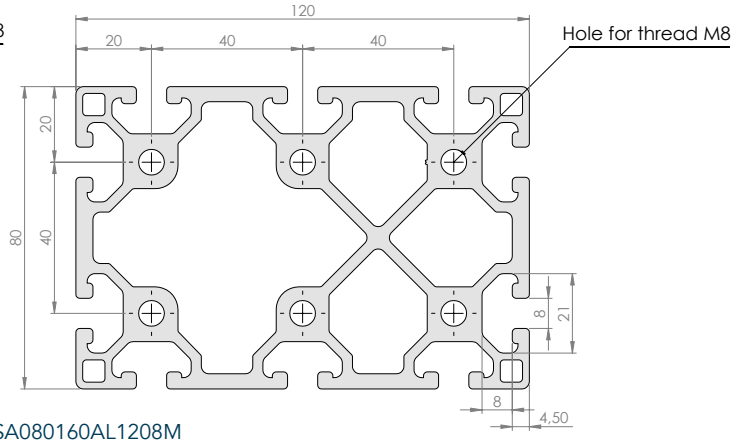
SA040160AL1008M



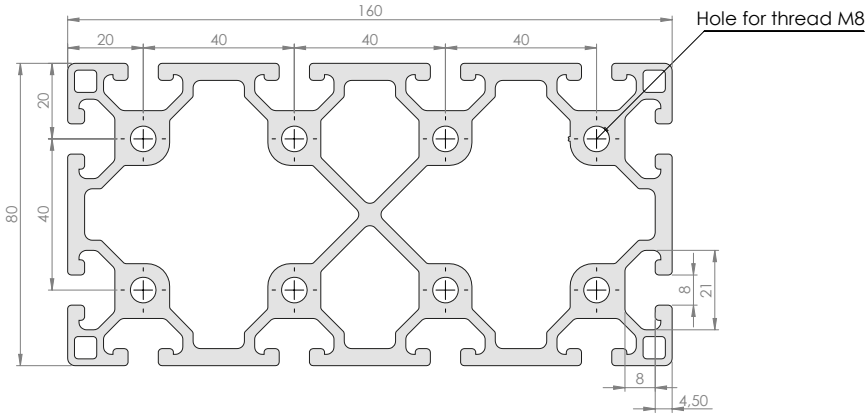
SA080080AL0808M



SA080120AL1008M

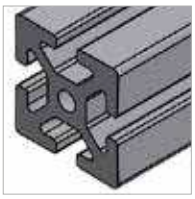


SA080160AL1208M

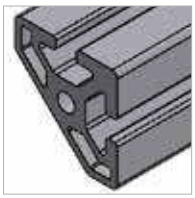


CODE	PROFILE	SLOT	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA040160AL1008M	*PROFILE 40x160 LIGHT*	D	5,516	35,546	503,2	17,722	62,899
SA080080AL0808M	*PROFILE 80x80 LIGHT*	D	4,574	124,76	124,76	31,19	31,19
SA080120AL1008M	*PROFILE 80x120 LIGHT*	D	7,746	202,01	422,18	50,501	68,337
SA080160AL1208M	*PROFILE 80x120 LIGHT*	D	9,707	270,19	898,67	67,541	112,32

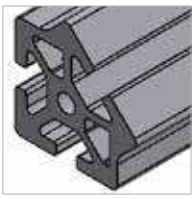
1.5 *ALUMINUM PROFILE SERIES 40 HEAVY*



40x40 4 slots

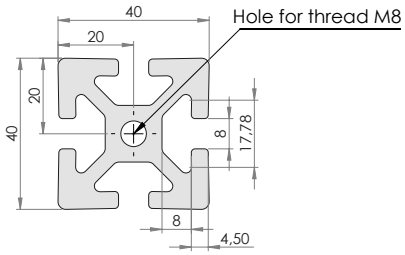


40x40 2 slots

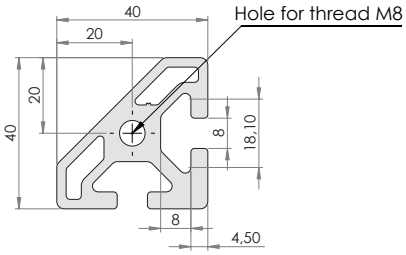


40x40 3 slots

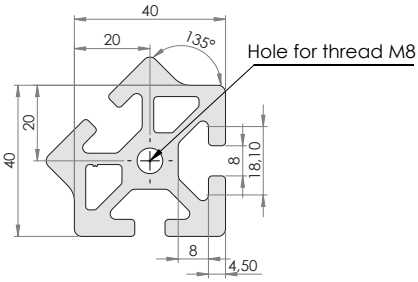
SA040040PP0408M



SA040040BP0208M

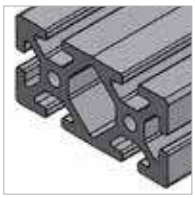


SA040040CP0308M



CODE	PROFILE	SLOT	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA040040PP0408M	*PROFILE 40x40 HEAVY PRELOAD*	D	2,376	14,002	14,002	7,001	7,001
SA040040BP0208M	*PROFILE 40x40x45° HEAVY*	D	1,763	8,349	8,349	3,55	3,55
SA040040CP0308M	*PROFILE 40x40X45° HEAVY*	D	2,535	15,753	15,756	5,852	5,853

1.5 *ALUMINUM PROFILE SERIES 40 HEAVY*



40x80 6 slots

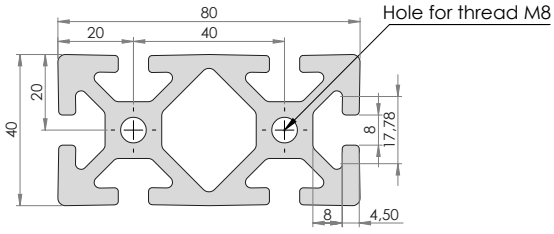


40x120 8 slots

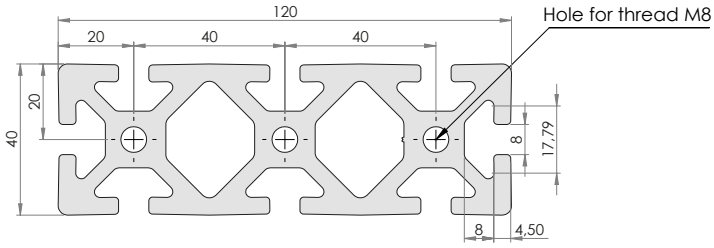


80x80 8 slots

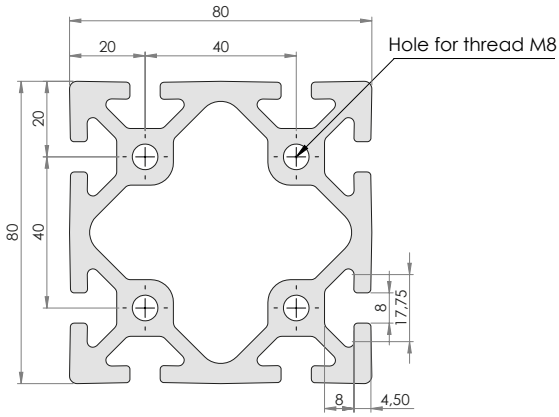
SA040080PP0608M



SA040120PP0808M



SA080080PP0808M



CODE	PROFILE	SLOT	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA040080PP0608M	*PROFILE 40X80 HEAVY PRELOAD*	D	4,207	26,011	98,219	13,006	24,555
SA040120PP0808M	*PROFILE 40X80 HEAVY PRELOAD*	D	6,032	38,96	311,22	19,481	51,897
SA080080PP0808M	*PROFILE 40X80 HEAVY PRELOAD*	D	6,539	175,68	175,68	43,92	43,92

1.5 *ALUMINUM PROFILE SERIES 40 HEAVY*

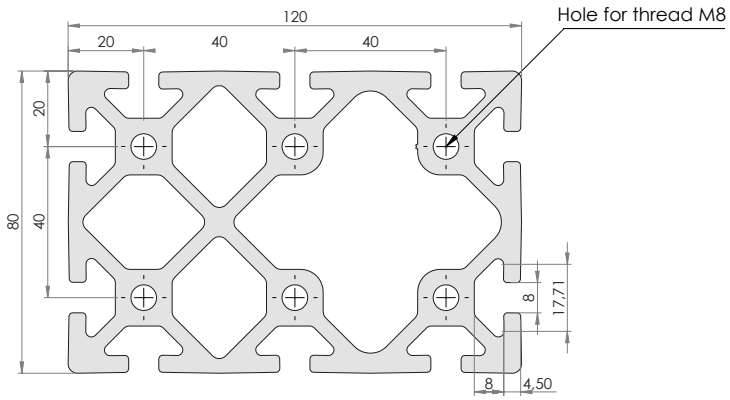


80x120 10 slots

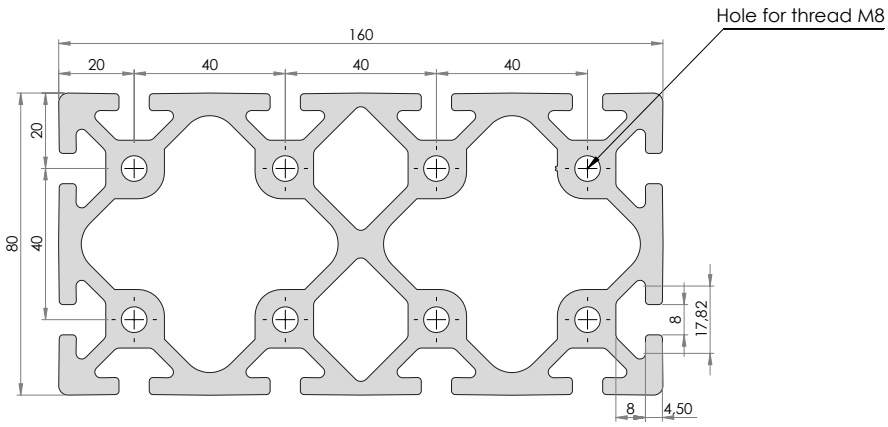


80x160 12 slots

SA080120PP1008M

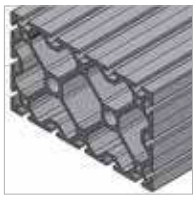


SA080160PP1208M



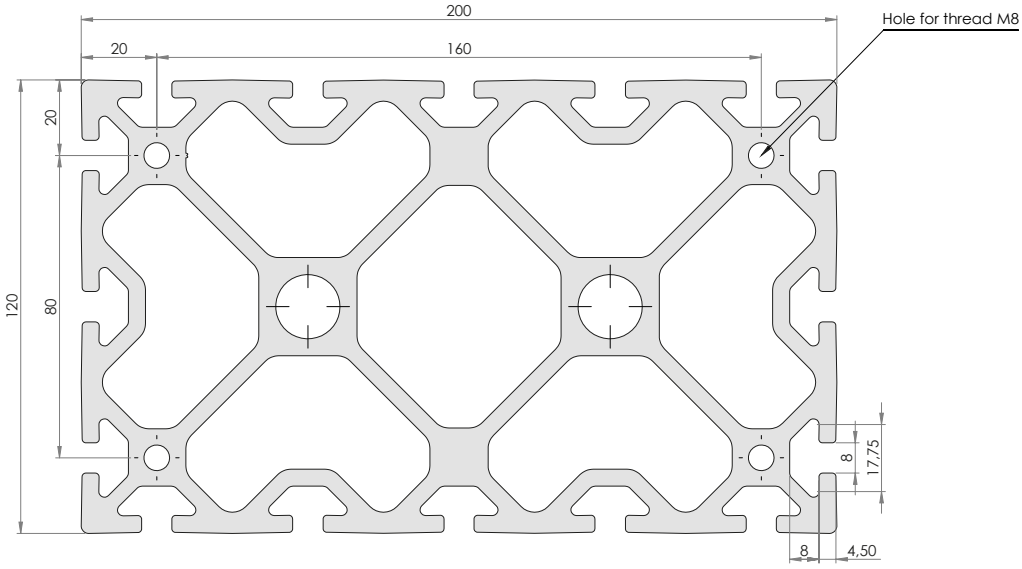
CODE	PROFILE	SLOT	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA080120PP1008M	*PROFILE 80x120 HEAVY PRELOAD*	D	9,642	253,73	529,59	63,417	85,922
SA080160PP1208M	*PROFILE 80x160 HEAVY PRELOAD*	D	12,29	335,46	1147,89	83,868	143,48

1.5 *ALUMINUM PROFILE SERIES 40 HEAVY*



120x200 16 slots

SA120200PP1608M

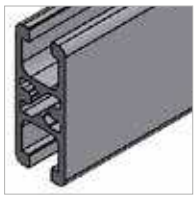


CODE	*PROFILE*	*SLOT*	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA120200PP1608M	*PROFILE120x200HEAVY PRELOAD*	D	20,26	1208,72	3022,65	201,45	302,26

1.6 *ALUMINUM PROFILE SERIES 45 LIGHT*



18,5x32 1 slot



18,5x45 2 slots



18,5x45 3 slots



32x32 2 slots

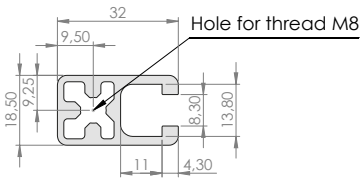


45x22,5 2 slots

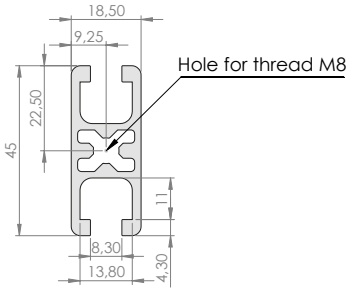


45x32 3 slots

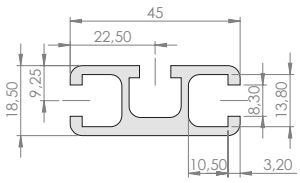
SA185032AL0108T



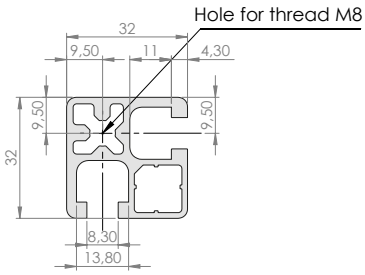
SA185045AL0208T



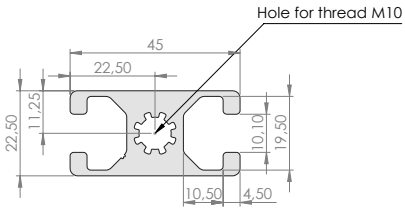
SA185045AL0308T



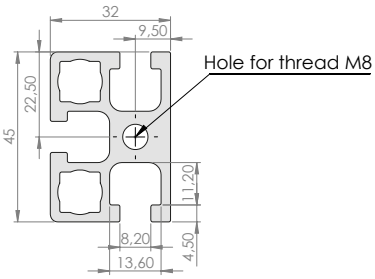
SA032032AL0208T



SA045225AL0210M



SA045032AL0308T

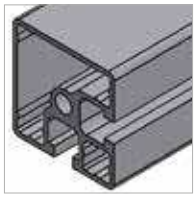


CODE	*PROFILE*	*SLOT*	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA185032AL0108T	*PROFILE 18,5x32 LIGHT*	E	0,713	1,1	2,4	1,19	1,38
SA185045AL0208T	*PROFILE 18,5x45 LIGHT*	E	0,929	5,5	1,6	2,44	1,73
SA185045AL0308T	*PROFILE18,5x45 LIGHT*	E	0,86	1,54	5,32	1,5	2,36
SA032032AL0208T	*PROFILE 32x32 LIGHT*	E	1,017	3,9	3,9	2,23	2,23
SA045225AL0210M	*PROFILE 45x22,5 LIGHT*	G	1,285	3,11	6,42	2,76	2,85
SA045032AL0308T	*PROFILE 45x32 LIGHT*	E	1,609	8,7	5,8	4,28	3,55

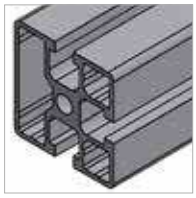
1.6 *ALUMINUM PROFILE SERIES 45 LIGHT*



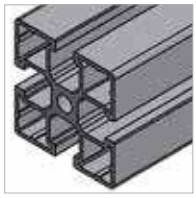
45x45 1 slot



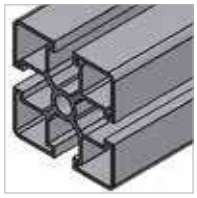
45x45 2 slots



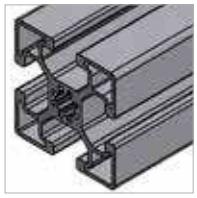
45x45 3 slots



45x45 4 slots

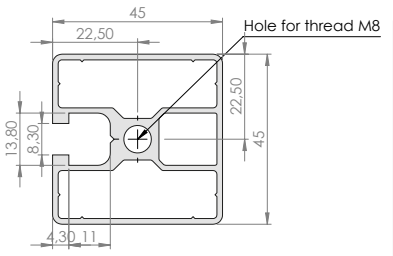


45x45 4 slots

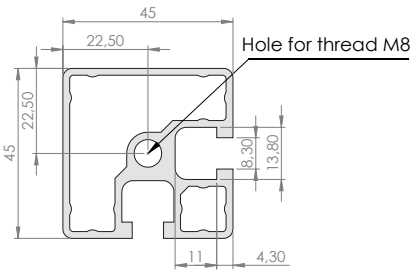


45x45 4 slots

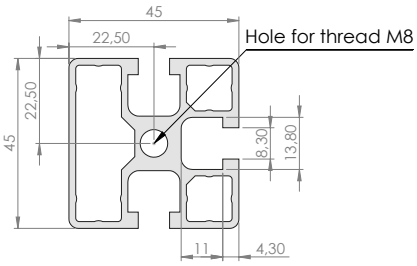
SA045045AL0108T



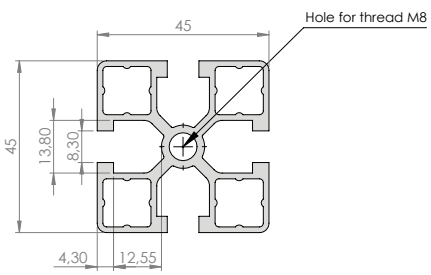
SA045045AL0208T



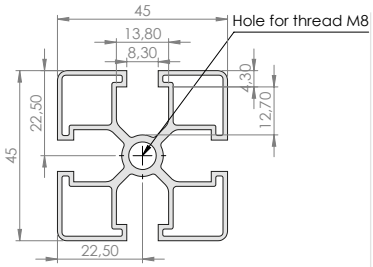
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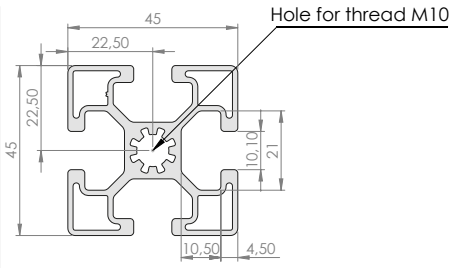
SA045045AL0408X



SA045045AX0408T

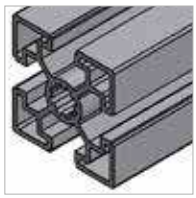


SA045045AL0410M



CODE	PROFILE	SLOT	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA045045AL0108T	PROFILE 45x45 LIGHT	E	1,31	8,89	10,05	3,95	4,47
SA045045AL0208T	PROFILE 45x45 LIGHT	E	1,5	9,78	9,8	4,04	4,04
SA045045AL0308T	PROFILE 45x45 LIGHT	E	1,72	11,94	11,32	5,3	5,03
SA045045AL0408X	PROFILE 45x45 LIGHT	E	1,53	11,04	11,04	3,59	3,59
SA045045AX0408T	PROFILE 45X45 EXTRA LIGHT	E	1,25	8,09	8,09	4,90	4,90
SA045045AL0410M	PROFILE 40x80 LIGHT	G	1,544	10,85	10,85	4,82	4,82

1.6 *ALUMINUM PROFILE SERIES 45 LIGHT*



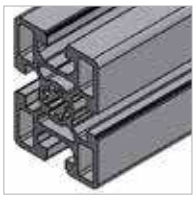
45x45 4 slots



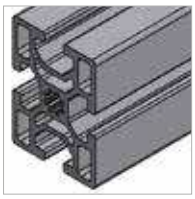
45x45 R 2 slots



45x45 R 2 slots

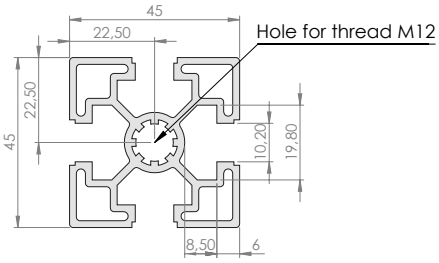


45x60 4 slots

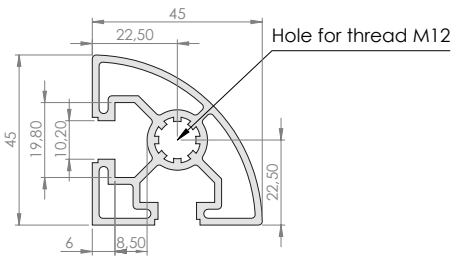


45x60 4 slots

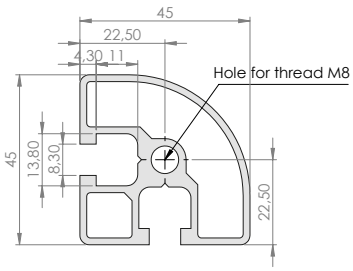
SA045045AL0410B



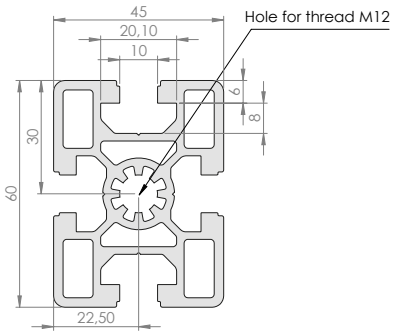
SA045045RL0210B



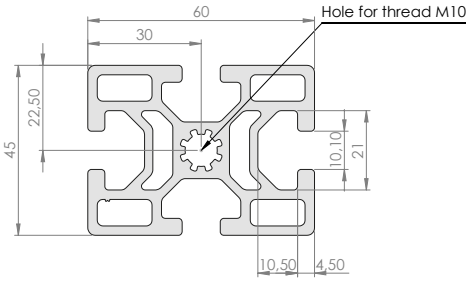
SA045045RL0208T



SA045060AL0410B



SA045060AL0410M



CODE	PROFILE	SLOT	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA045045AL0410B	*PROFILE 40x45 LIGHT*	H	1,62	12,1	12,1	5,38	5,38
SA045045RL0210B	*PROFILE 45x45 ROUND LIGHT*	H	1,342	8,4	8,4	3,3	3,3
SA045045RL0208T	*PROFILE 45x45 ROUND LIGHT*	E	1,382	9,19	9,19	3,63	3,63
SA045060AL0410B	*PROFILE 45x60 LIGHT*	H	2,8	35,02	20,89	15,56	6,96
SA045060AL0410M	*PROFILE 45x60 LIGHT*	G	2,835	21,46	35,79	9,53	11,92

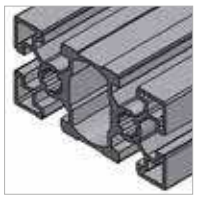
1.6 *ALUMINUM PROFILE SERIES 45 LIGHT*



45x90 6 slots

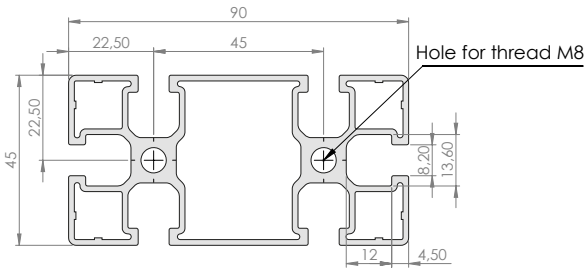


45x90 6 slots

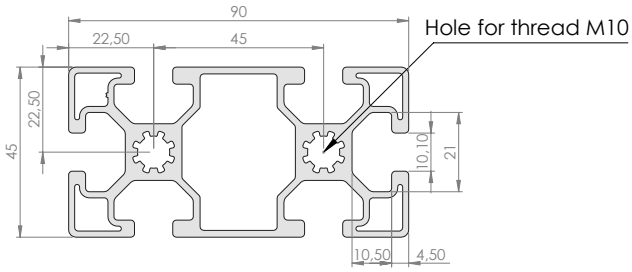


45x90 6 slots

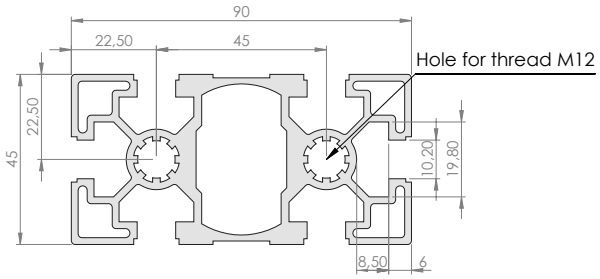
SA045090AL608T



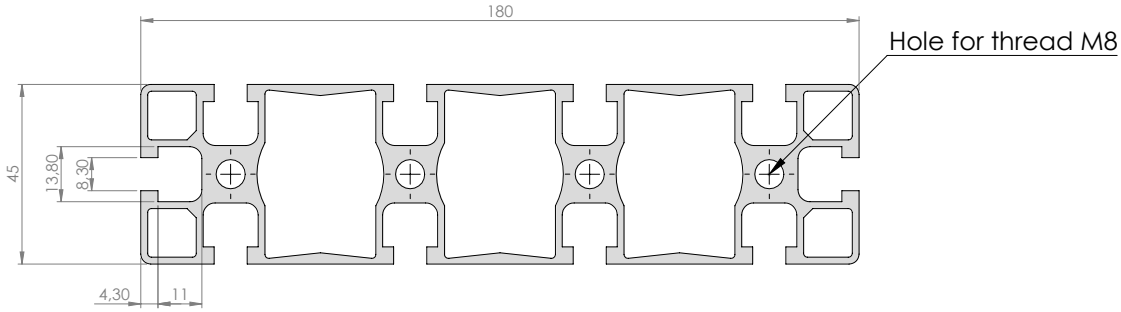
SA045090AL0610M



SA045090AL0610B



SA045180AL1008T

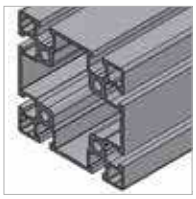


CODE	*PROFILE*	*SLOT*	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA045090AL0608T	*PROFILE 40x90 LIGHT*	E	2,42	18,128	75,006	8,05	16,668
SA045090AL0610M	*PROFILE 40x90 LIGHT*	G	2,844	22,55	86,87	10,02	19,29
SA045090AL0610B	*PROFILE 40x90 LIGHT*	H	3,221	25	87,7	11,11	19,49
SA045180AL1008T	*PROFILE 40x180 LIGHT*	E	5,96	48,33	689,89	21,48	76,65

1.6 *ALUMINUM PROFILE SERIES 45 LIGHT*



90x90 8 slots



90x90 8 slots

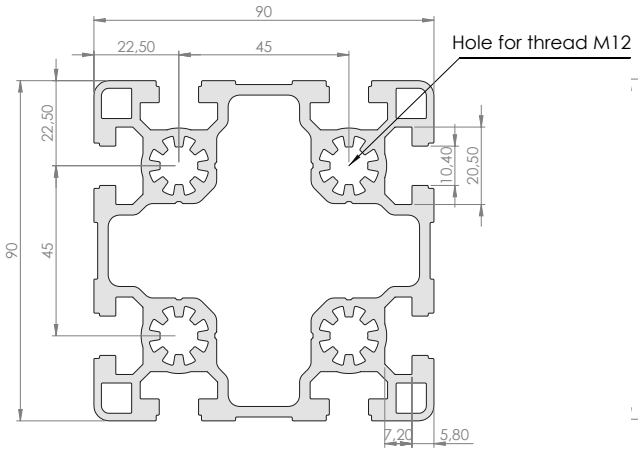


90x90 8 slots

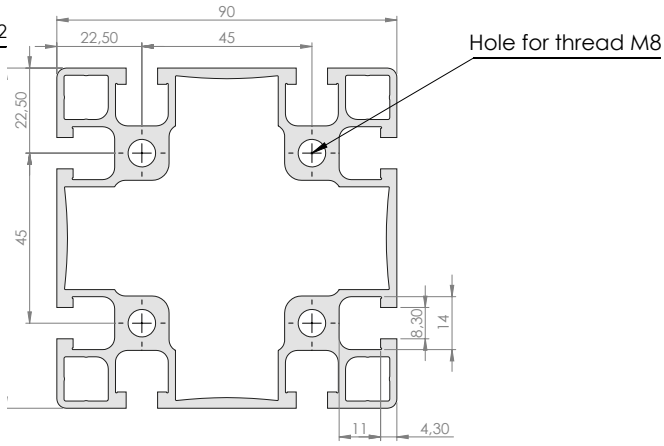


90x180 12 slots

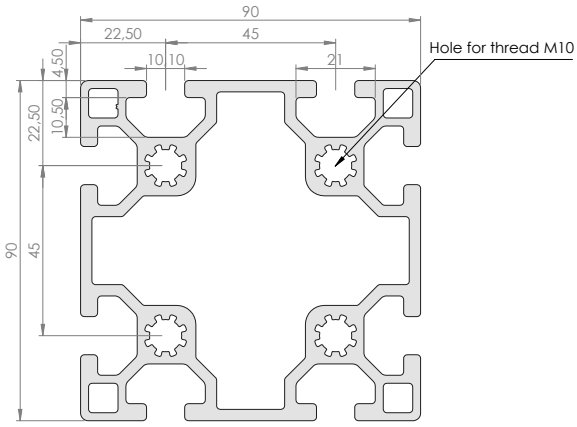
SA090090AL0810B



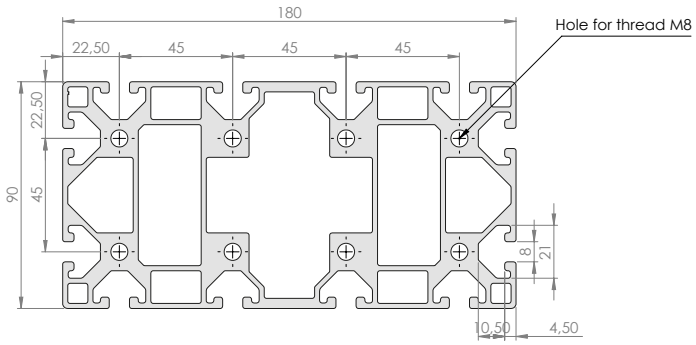
SA090090AL0808T



SA090090AL0810M



SA090180AL1208M

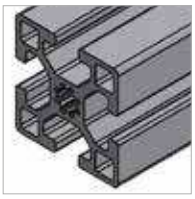


CODE	PROFILE	SLOT	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA090090AL0810B	*PROFILE 90x90 LIGHT*	H	6,2	204,1	204,1	45,36	45,36
SA090090AL0808T	*PROFILE 90x90 LIGHT*	E	4,9	165,5	165,5	55,16	55,16
SA090090AL0810M	*PROFILE 90x90 LIGHT*	G	5,557	190,04	190,04	42,22	42,22
SA090180AL1208M	*PROFILE 90x180 LIGHT*	F	12,21	395,56	1458,94	87,894	162,09

1.7 *ALUMINUM PROFILE SERIES 45 HEAVY*



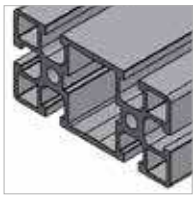
18,5x180 9 slots



45x45 4 slots



45x45 4 slots

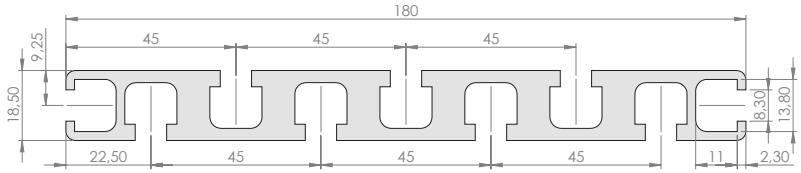


45x90 6 slots

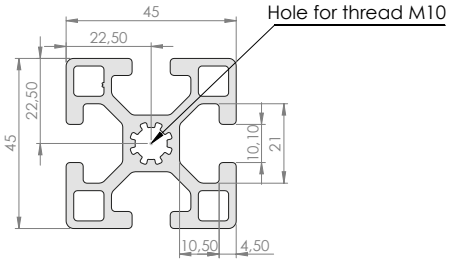


45x90 6 slots

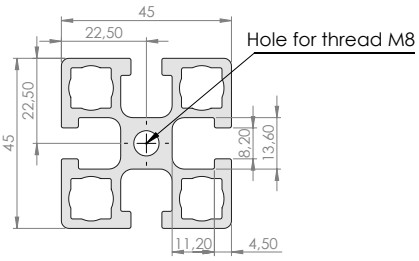
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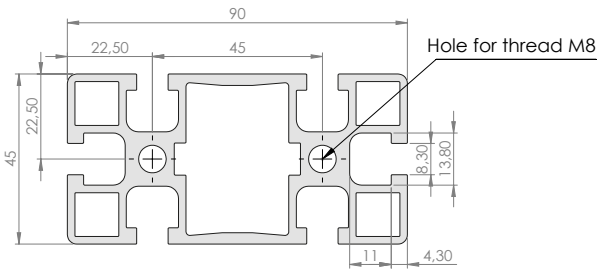
SA045045AP0410M



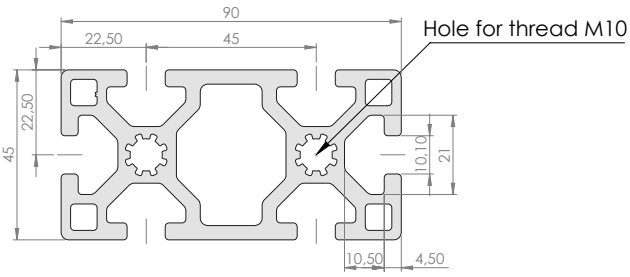
SA045045AP408T



SA045090AP0608T



SA045090AP0610M



CODE	PROFILE	SLOT	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA185180AP0908T	*PROFILE 18,5x180 HEAVY*	E	4,604	6,65	401	7,18	44,5
SA045045AP0410M	*PROFILE 45x45 HEAVY*	G	2,02	14,9	14,9	6,62	6,62
SA045045AP408T	*PROFILE 45x45 HEAVY*	E	2,052	14,59	14,59	6,48	6,48
SA045090AP0608T	*PROFILE 45x90 HEAVY*	E	3,231	23	90	11,22	21,96
SA045090AP0610M	*PROFILE 45X90 HEAVY*	G	4,093	33,83	120,79	14,58	26,83

1.7 *ALUMINUM PROFILE SERIES 45 HEAVY*

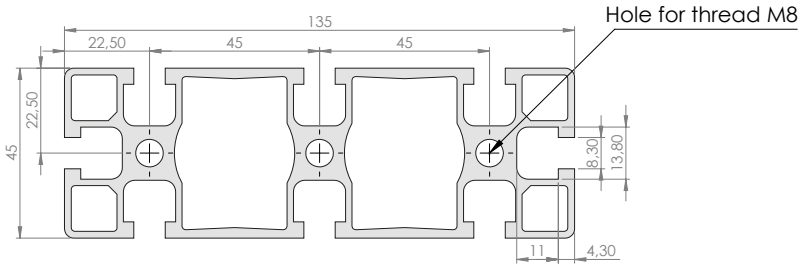


45x135 8 slots

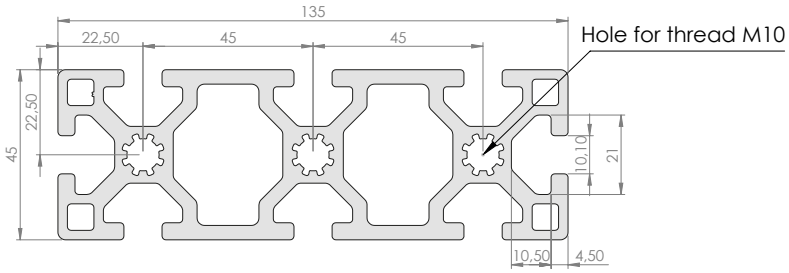


45x135 8 slots

SA045135AP0808T



SA045135AP0810M



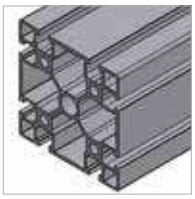
CODE	PROFILE	SLOT	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA045135AP0808T	*PROFILE 18,5x180 HEAVY*	E	4,36	36,97	304,13	16,43	45,06
SA045135AP0810M	*PROFILE 45x45 HEAVY*	G	5,86	48,6	378,05	21,6	55,99

1.7 *ALUMINUM PROFILE SERIES 45 HEAVY*



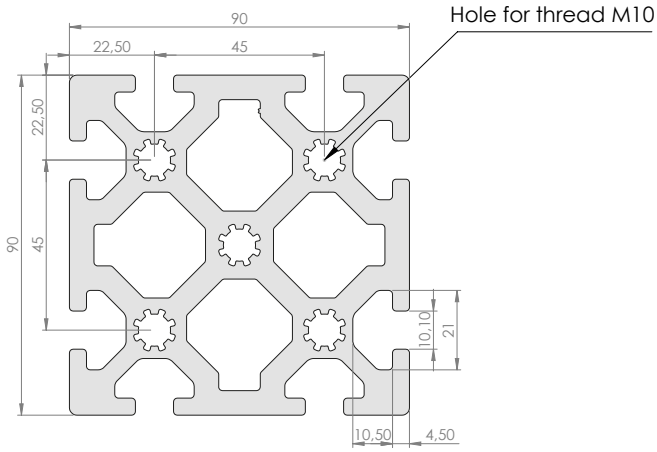
90x90 8 slots

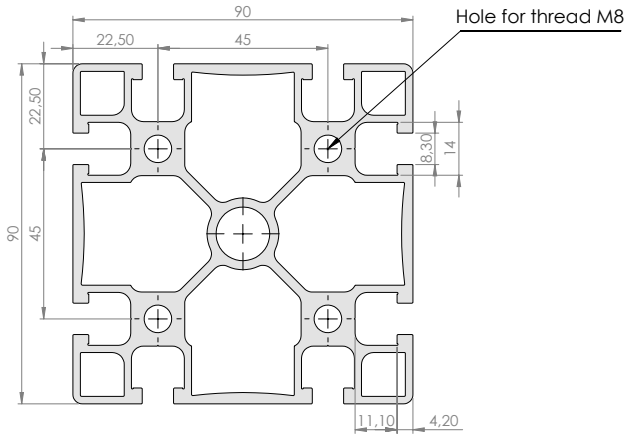
SA090090AP0810M



90x90 8 slots

SA090090AP0808T





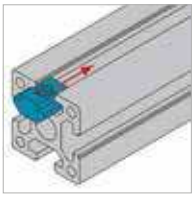
CODE	*PROFILE*	*SLOT*	kg/m	Jx (cm⁴)	Jy (cm⁴)	Wx (cm³)	Wy (cm³)
SA090090AP0810M	*PROFILE 90x90 HEAVY*	G	9,717	284,26	284,26	63,16	63,16
SA090090AP0808T	*PROFILE 90x90 HEAVY*	E	5,684	170,58	170,58	37,9	37,9

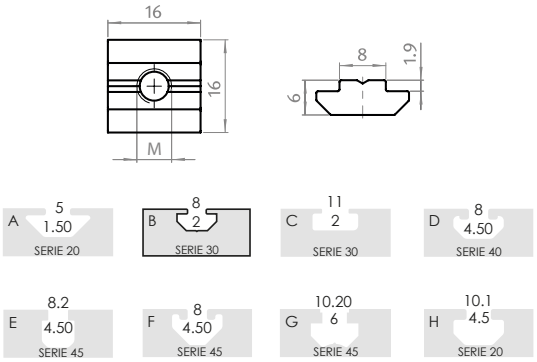


2

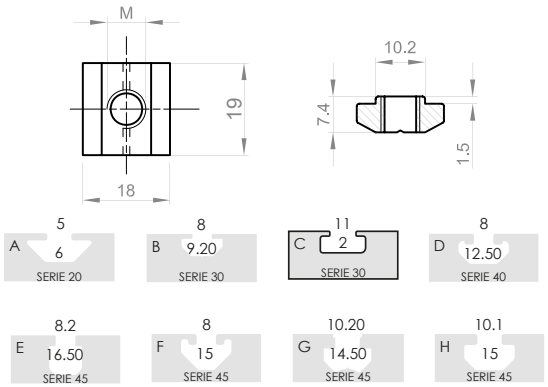
FIXING ACCESSORIES

2.1 *NUTS*

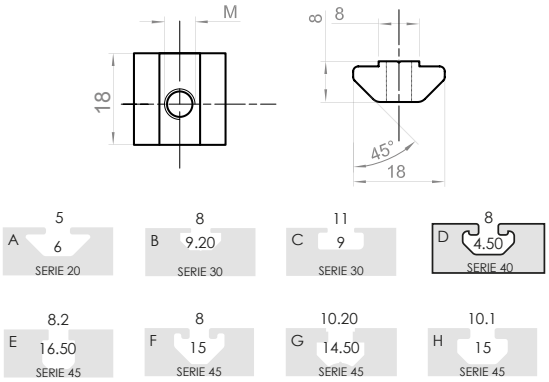




DESCRIPTION	M	MATERIAL	CODE
NUTS	M4	ZINC PLATED STEEL	SA101001
	M5	ZINC PLATED STEEL	SA101002
	M6	ZINC PLATED STEEL	SA101003
	M8	ZINC PLATED STEEL	SA101004

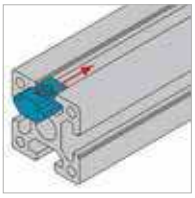


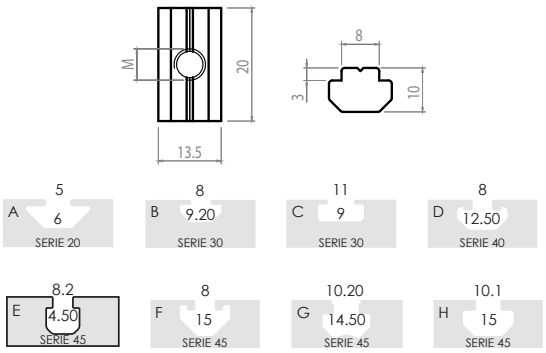
DESCRIPTION	M	MATERIAL	CODE
NUTS	M6	ZINC PLATED STEEL	SA101005
	M8	ZINC PLATED STEEL	SA101006



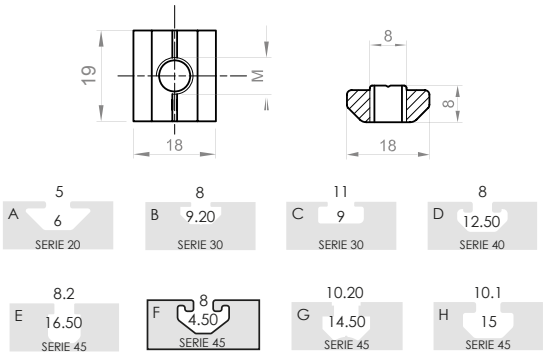
DESCRIPTION	M	MATERIAL	CODE
NUTS	M4	ENA W - 6060	SA101007
	M5	EN AW - 6060	SA101008
	M6	ZAMA	SA101009
	M8	ZAMA	SA101010

2.1 *NUTS*

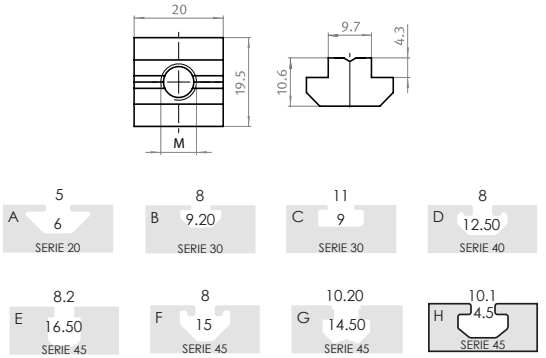




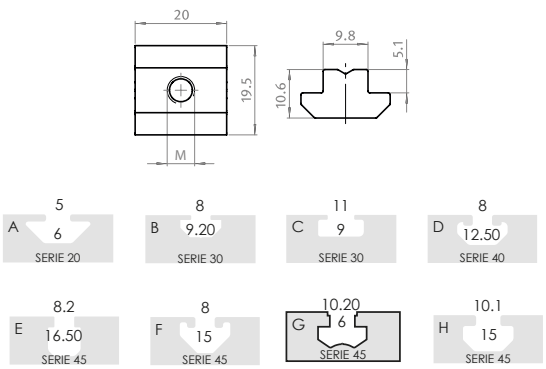
DESCRIPTION	M	MATERIAL	CODE
NUTS	M4	ZINC PLATED STEEL	SA101011
	M5	ZINC PLATED STEEL	SA101012
	M6	ZINC PLATED STEEL	SA101013
	M8	ZINC PLATED STEEL	SA101014



DESCRIPTION	M	MATERIAL	CODE
NUTS	M6	ZAMA	SA101015
	M8	ZAMA	SA101016

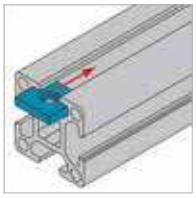


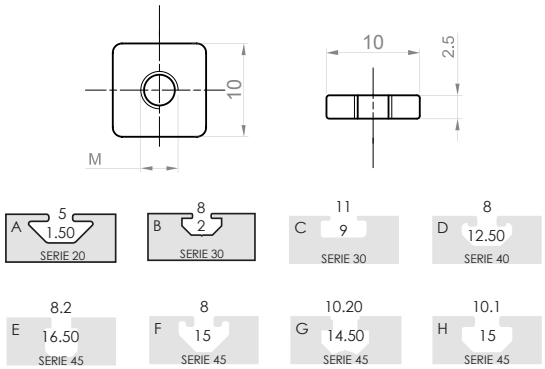
DESCRIPTION	M	MATERIAL	CODE
NUTS	M5	ZINC PLATED STEEL	SA101017
	M6	ZINC PLATED STEEL	SA101018
	M8	ZINC PLATED STEEL	SA101019
	M10	ZAMA	SA101020



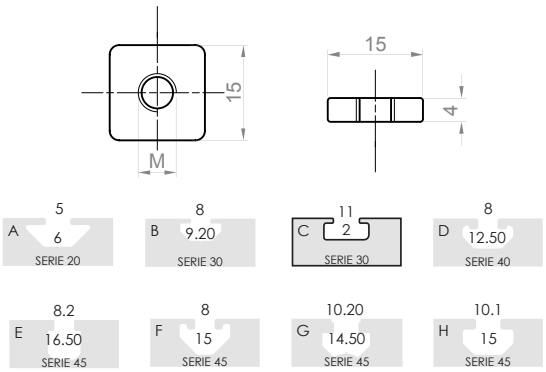
DESCRIPTION	M	MATERIAL	CODE
NUTS	M4	ZINC PLATED STEEL	SA001021
	M5	ZINC PLATED STEEL	SA001022
	M6	ZINC PLATED STEEL	SA001023
	M8	ZINC PLATED STEEL	SA001024
	M10	ZAMA	SA001020

2.2 *SQUARE NUT*



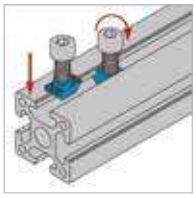


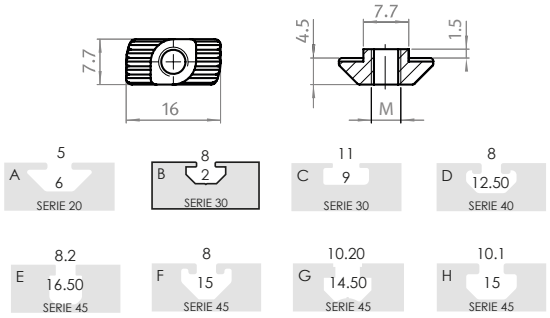
DESCRIPTION	M	MATERIAL	CODE
SQUARE NUT	M4	ZINC PLATED STEEL	SA107001
	M5	ZINC PLATED STEEL	SA107002



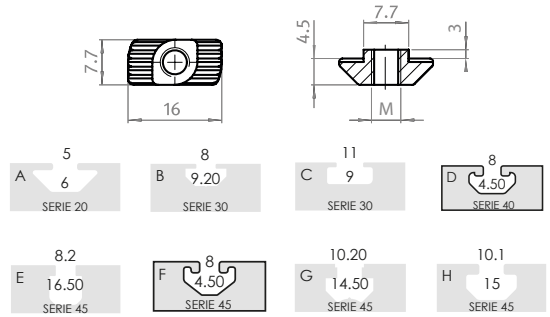
DESCRIPTION	M	MATERIAL	CODE
SQUARE NUT	M4	ZINC PLATED STEEL	SA107003
	M5	ZINC PLATED STEEL	SA107004
	M6	ZINC PLATED STEEL	SA107005
	M8	ZINC PLATED STEEL	SA107006

2.3 *HAMMER-HEAD NUT*

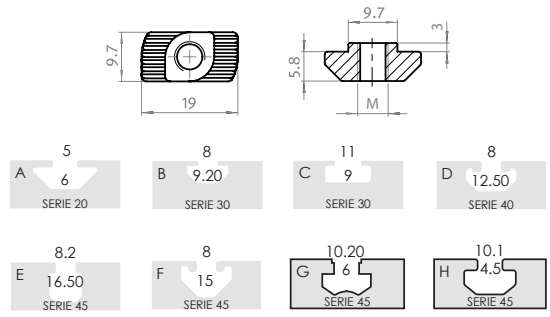




DESCRIPTION	M	MATERIAL	CODE
HAMMER-HEAD NUT	M4	ZINC PLATED STEEL	SA106001
	M5	ZINC PLATED STEEL	SA106002
	M6	ZINC PLATED STEEL	SA106003



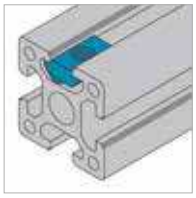
DESCRIPTION	M	MATERIAL	CODE
HAMMER-HEAD NUT	M4	ZINC PLATED STEEL	SA106004
	M5	ZINC PLATED STEEL	SA106005
	M6	ZINC PLATED STEEL	SA106006

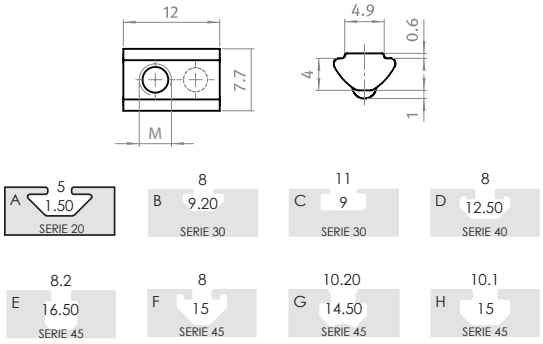


DESCRIPTION	M	MATERIAL	CODE
HAMMER-HEAD NUT	M4	ZINC PLATED STEEL	SA106007
	M5	ZINC PLATED STEEL	SA106008
	M6	ZINC PLATED STEEL	SA106009
	M8	ZINC PLATED STEEL	SA106010

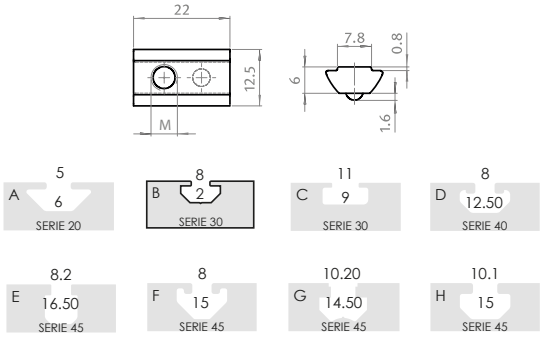
2.4 *NUTS APPLICABLE AFTER MOUINTING*





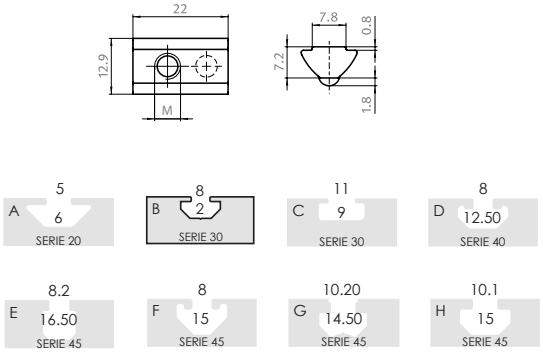


DESCRIPTION	M	MATERIAL	CODE
NUTS APPLICABLE AFTER MOUINTNG	M3	ZINC PLATED STEEL	SA103001
	M4	ZINC PLATED STEEL	SA103002
	M5	ZINC PLATED STEEL	SA103003



DESCRIPTION	M	MATERIAL	CODE
NUTS APPLICABLE AFTER MOUINTNG	M4	ZINC PLATED STEEL	SA103004
	M5	ZINC PLATED STEEL	SA103005
	M6	ZINC PLATED STEEL	SA103006
	M8	ZINC PLATED STEEL	SA103007

*For profile Series 30 B

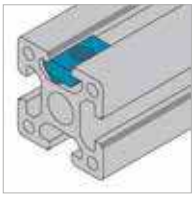


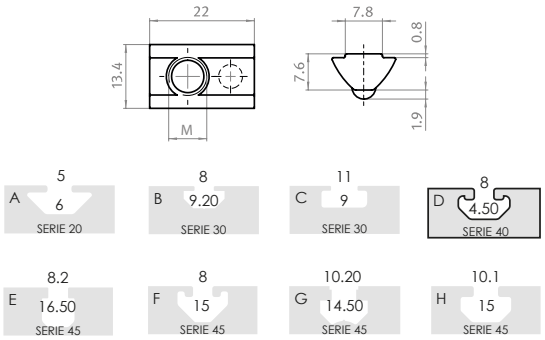
DESCRIPTION	M	MATERIAL	CODE
NUTS APPLICABLE AFTER MOUINTNG	M4	ZINC PLATED STEEL	SA103008
	M5	ZINC PLATED STEEL	SA103009
	M6	ZINC PLATED STEEL	SA103010
	M8	ZINC PLATED STEEL	SA103011

*For profile Series 30 M

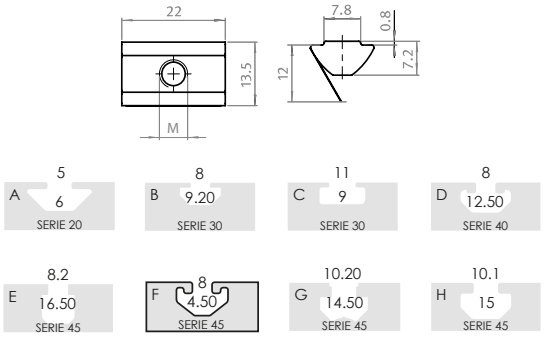
2.4 *NUTS APPLICABLE AFTER MOUINTING*



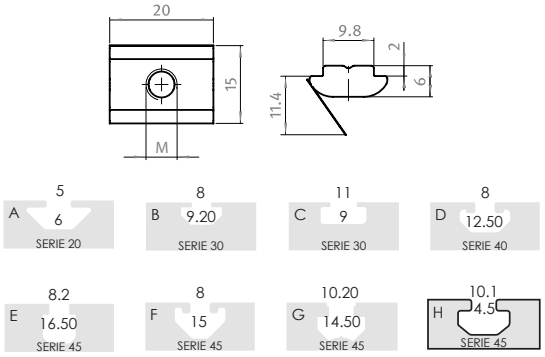




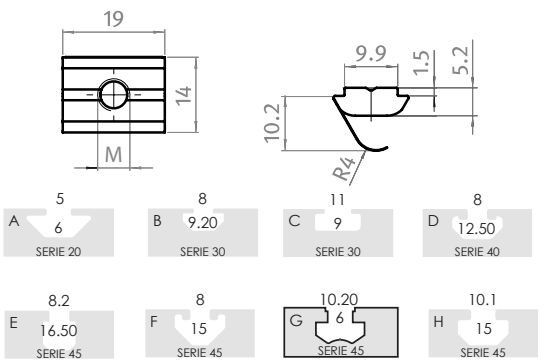
DESCRIPTION	M	MATERIAL	CODE
NUTS APPLICABLE AFTER MOUINTNG	M4	ZINC PLATED STEEL	SA103012
	M5	ZINC PLATED STEEL	SA103013
	M6	ZINC PLATED STEEL	SA103014
	M8	ZINC PLATED STEEL	SA103015



DESCRIPTION	M	MATERIAL	CODE
NUTS APPLICABLE AFTER MOUINTNG	M4	ZINC PLATED STEEL	SA103016
	M5	ZINC PLATED STEEL	SA103017
	M6	ZINC PLATED STEEL	SA103018
	M8	ZINC PLATED STEEL	SA103019

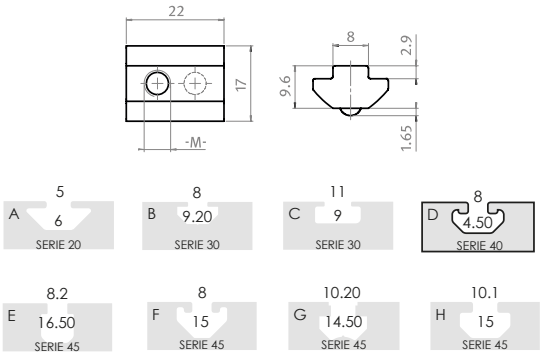


DESCRIPTION	M	MATERIAL	CODE
NUTS APPLICABLE AFTER MOUINTNG	M4	ZINC PLATED STEEL	SA103020
	M5	ZINC PLATED STEEL	SA103021
	M6	ZINC PLATED STEEL	SA103022
	M8	ZINC PLATED STEEL	SA103023

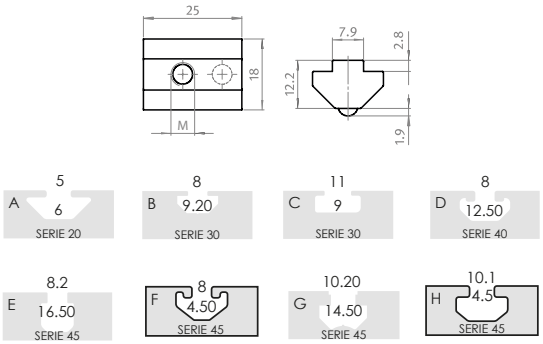


DESCRIPTION	M	MATERIAL	CODE
NUTS APPLICABLE AFTER MOUINTNG	M4	ZINC PLATED STEEL	SA103024
	M5	ZINC PLATED STEEL	SA103025
	M6	ZINC PLATED STEEL	SA103026
	M8	ZINC PLATED STEEL	SA103027

2.5 *NUTS APPLICABLE BEFORE MOUINTING*

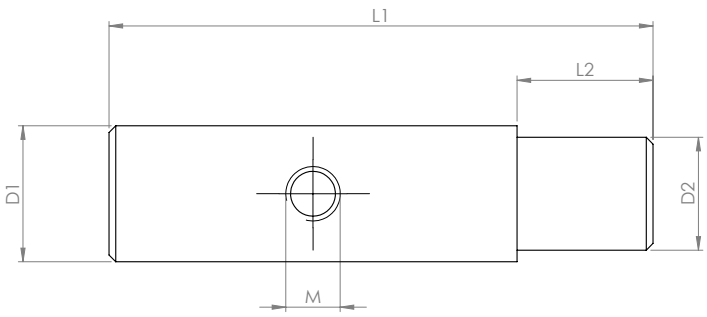


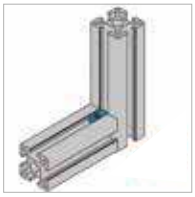
DESCRIPTION	M	MATERIAL	CODE
NUTS APPLICABLE BEFORE MOUINTNG	M4	ZINC PLATED STEEL	SA102001
	M5	ZINC PLATED STEEL	SA102002
	M6	ZINC PLATED STEEL	SA102003
	M8	ZINC PLATED STEEL	SA102004



DESCRIPTION	M	MATERIAL	CODE
NUTS APPLICABLE BEFORE MOUINTNG	M5	ZINC PLATED STEEL	SA102005
	M6	ZINC PLATED STEEL	SA102006
	M8	ZINC PLATED STEEL	SA102007

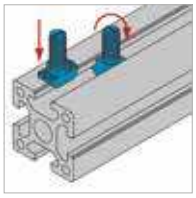
2.6 *ANTI-SWIVELING*

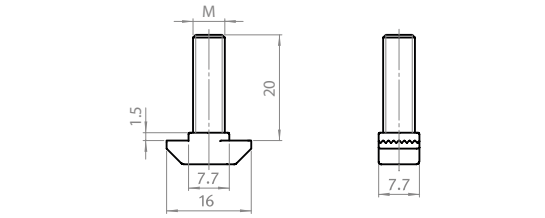




DESCRIPTION	CAVA	MATERIAL	D1	D2	L1	L2	M	CODE
ANTI - SWIVELING	CAVA 8	ZINC PLATED STEEL	10	8,3	40	10	M4	SA110001
	CAVA 10	ZINC PLATED STEEL	11	10,3	40	13	M4	SA110002

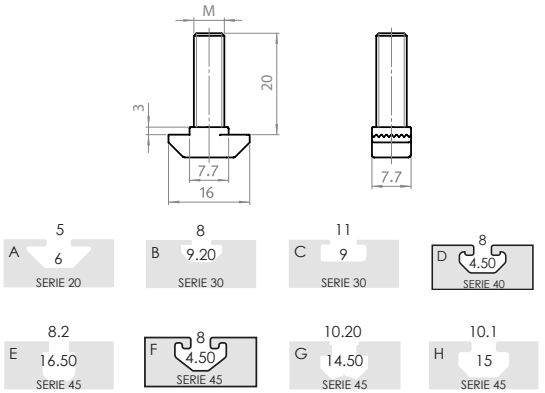
2.7 *HAMMER-HEAD SCREW*





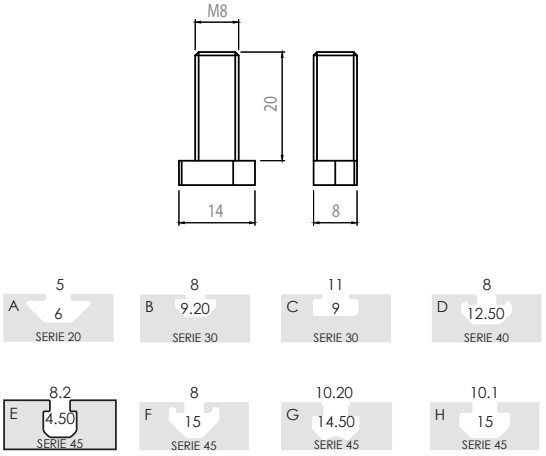
DESCRIPTION	M	MATERIAL	CODE
HAMMER-HEAD SCREW	M6	ZINC PLATED STEEL	SA108001
	M8	ZINC PLATED STEEL	SA108002

*Available lenght of the screew 25/30 mm



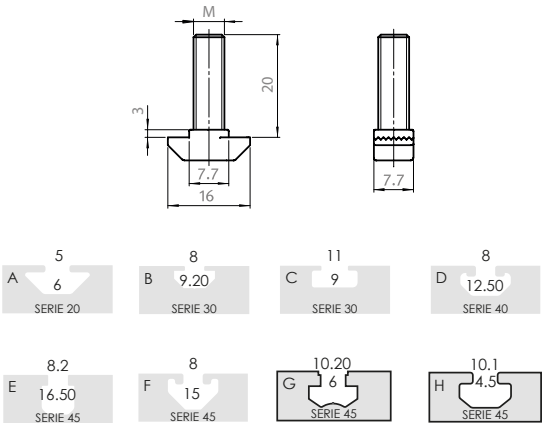
DESCRIPTION	M	MATERIAL	CODE
HAMMER-HEAD SCREW	M6	ZINC PLATED STEEL	SA108003
	M8	ZINC PLATED STEEL	SA108004

*Available lenght of the screew 25/30 mm



DESCRIPTION	M	MATERIAL	CODE
HAMMER-HEAD SCREW	M8	ZINC PLATED STEEL	SA108005

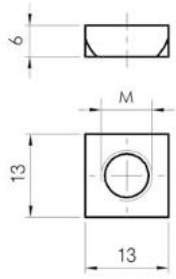
*Available lenght of the screew 25/30 mm

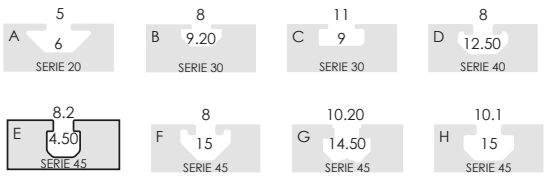


DESCRIPTION	M	MATERIAL	CODE
HAMMER-HEAD SCREW	M6	ZINC PLATED STEEL	SA108006
	M8	ZINC PLATED STEEL	SA108007

*Available lenght of the screew 25/30 mm

2.8 *SQUARE NUT*

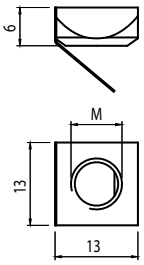


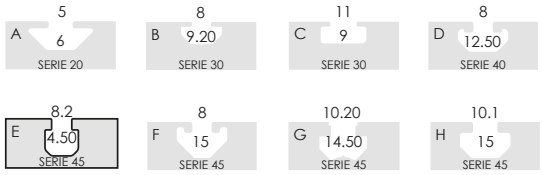




DESCRIPTION	M	MATERIAL	CODE
SQUARE NUT	M4	ZINC PLATED STEEL	SA104001
	M5	ZINC PLATED STEEL	SA104002
	M6	ZINC PLATED STEEL	SA104003
	M8	ZINC PLATED STEEL	SA104004

2.9 *SQUARE NUTS WITH SPRING*

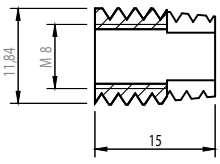


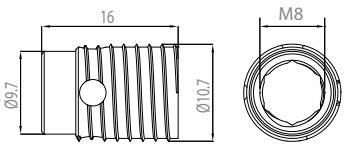


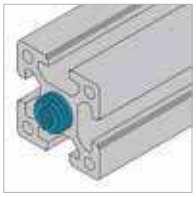


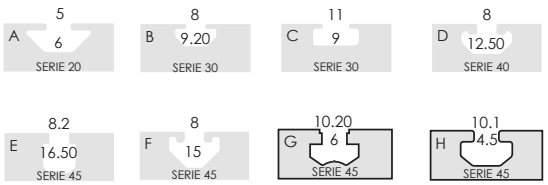
DESCRIPTION	M	MATERIAL	CODE
SQUARE NUTS WITH SPRING	M4	ZINC PLATED STEEL	SA105001
	M5	ZINC PLATED STEEL	SA105002
	M6	ZINC PLATED STEEL	SA105003
	M8	ZINC PLATED STEEL	SA105004

2.10 *REDUCTION PIN*



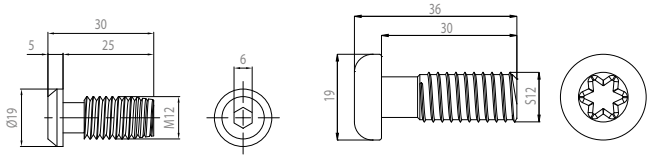


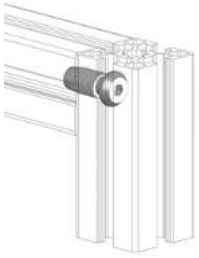


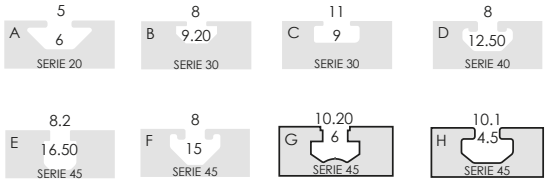


DESCRIPTION	D	MATERIAL	CODE
SPECIAL CLAMPING FOR HOLE AND SCREW	CAVA 10 M12/M8	ZINC PLATED STEEL	SA109001
	CAVA 10 M8	ZINC PLATED STEEL	SA109002

2.11 *SPECIAL SCREW*

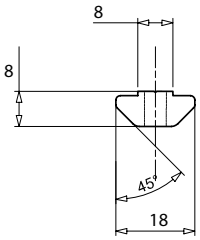


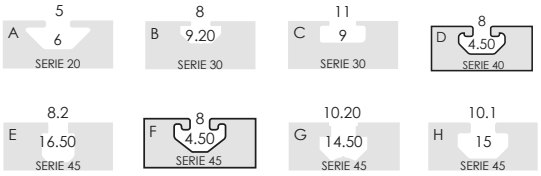


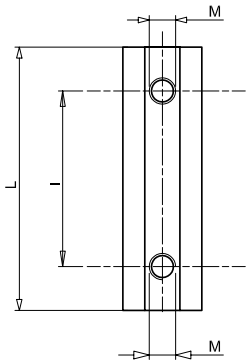


DESCRIPTION	D	MATERIAL	CODE
SPECIAL CLAMPING FOR HOLE AND SCREW	S12x25	ZINC PLATED STEEL	SA109003
	M12x30	ZINC PLATED STEEL	SA109004

2.12 *NUTS DOUBLE HOLE*







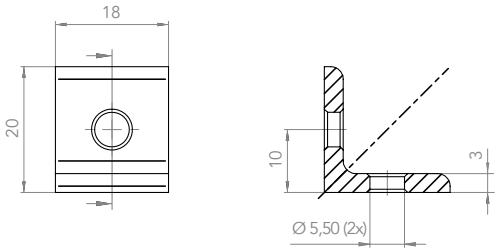
DESCRIPTION	MATERIAL	I (mm)	M	L (mm)	CODE
NUTS 38 mm - 2 HOLE M6	ANODIDED ALUMINUM	20	M6	38	SA111001
NUTS 40 mm - 2 HOLE M6	ANODIDED ALUMINUM	20	M6	40	SA111002
NUTS 50 mm - 2 HOLE M6	ANODIDED ALUMINUM	30	M6	50	SA111003
NUTS 60 mm - 2 HOLE M6	ANODIDED ALUMINUM	40	M6	60	SA111004
NUTS 40 mm - 2 HOLE M6	ANODIDED ALUMINUM	23	M8	40	SA111005
NUTS 50 mm - 2 HOLE M6	ANODIDED ALUMINUM	30	M8	50	SA111006
NUTS 60 mm - 2 HOLE M6	ANODIDED ALUMINUM	40	M8	60	SA111007
NUTS 65 mm - 2 HOLE M6	ANODIDED ALUMINUM	45	M8	65	SA111008



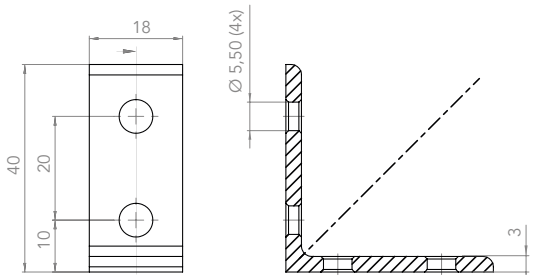
3

JOINT ACCESSORIES

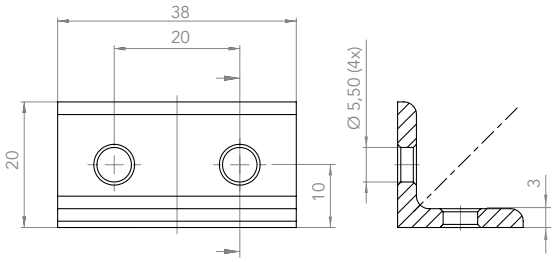
3.1 *ANGLE BRACKETS*



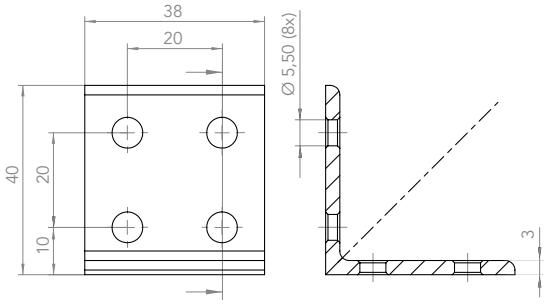
SA201001



SA201002



SA201003

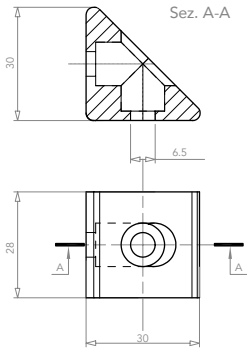


SA201004

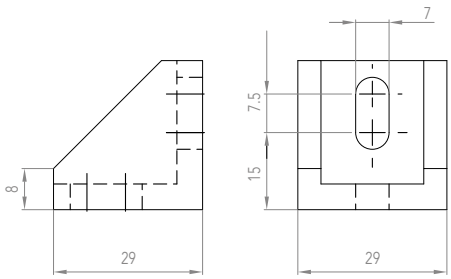


DESCRIPTION	*MATERIAL*	*WEIGHT* (g)	CODE
ANGLE BRACKETS 20X20	*ANNODIZED ALUMINUM*	5	SA201001
ANGLE BRACKETS 20X40	*ANNODIZED ALUMINUM*	11	SA201002
ANGLE BRACKETS 40X20	*ANNODIZED ALUMINUM*	12	SA201003
ANGLE BRACKETS 40X40	*ANNODIZED ALUMINUM*	22	SA201004

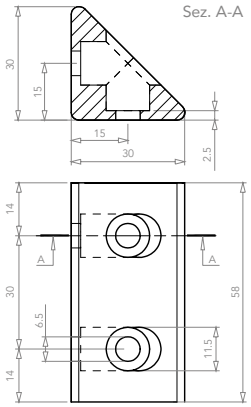
3.1 *ANGLE BRACKETS*



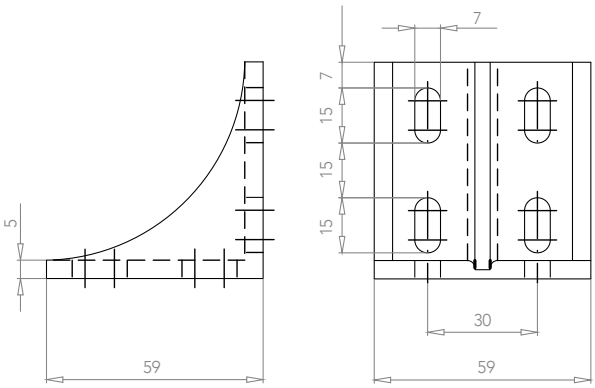
SA201005



SA201006



SA201007

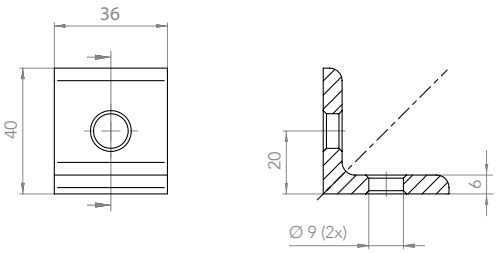


SA201008

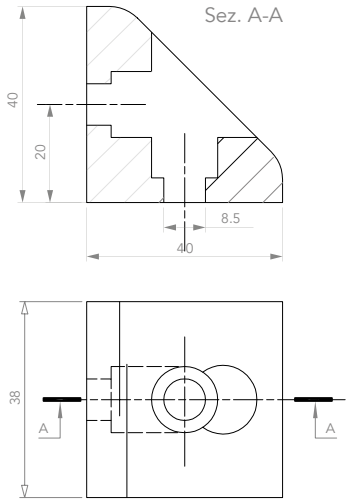


DESCRIPTION	*MATERIAL*	*WEIGHT* (g)	C ODE
ANGLE BRACKETS 30X30	*TUMBLED ALUMINUM*	40	SA201005
ANGLE BRACKETS 30X30	*SANDBLASTED ALUMINUM*	29	SA201006
ANGLE BRACKETS 30X60	*TUMBLED ALUMINUM*	80	SA201007
ANGLE BRACKETS 60X60	*SANDBLASTED ALUMINUM*	93	SA201008

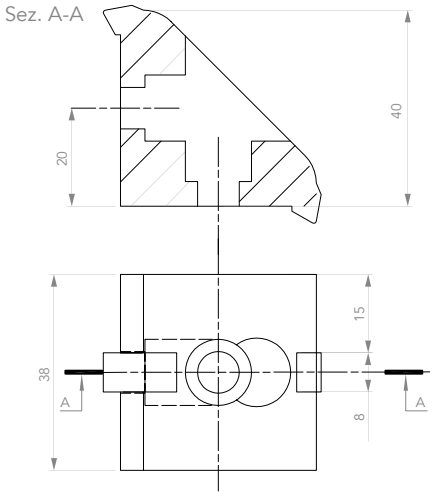
3.1 *ANGLE BRACKETS*



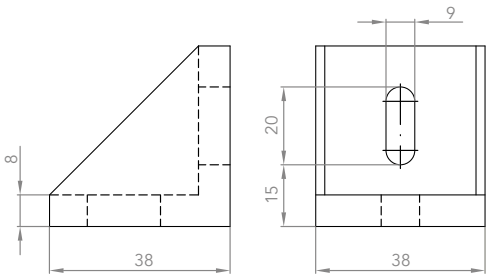
SA201009



SA201010



SA201011

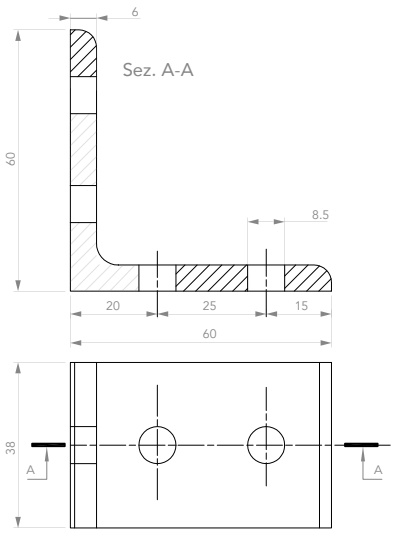


SA201012

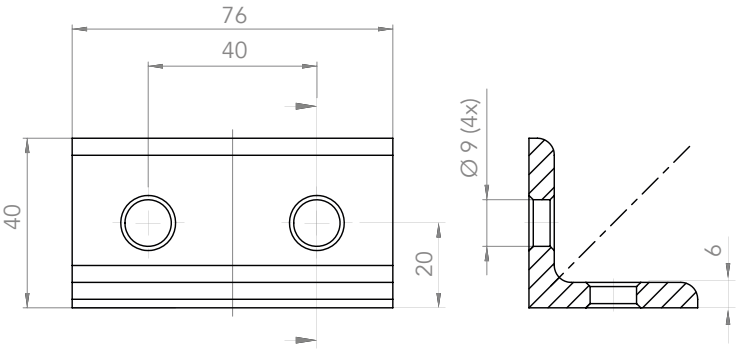


DESCRIPTION	*MATERIAL*	*WEIGHT* (g)	C ODE
ANGLE BRACKETS 40X40	*ANODIDED ALUMINUM*	42	SA201009
ANGLE BRACKETS 40X40	*SANDBLASTED ALUMINUM*	100	SA201010
ANGLE BRACKETS 40X40	*TUMBLED ALUMINUM*	110	SA201011
ANGLE BRACKETS 40X40	*TUMBLED ALUMINUM*	50	SA201012

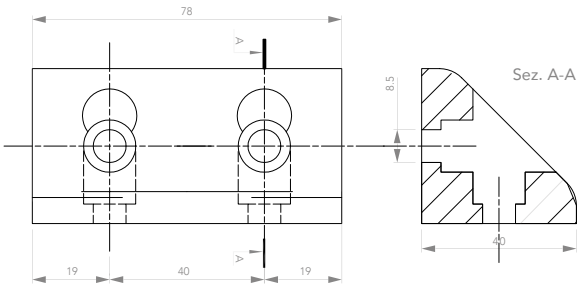
3.1 *ANGLE BRACKETS*



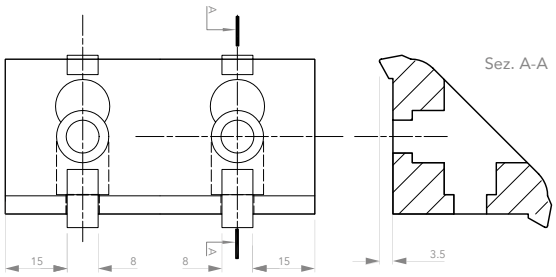
SA201013



SA201014



SA201015

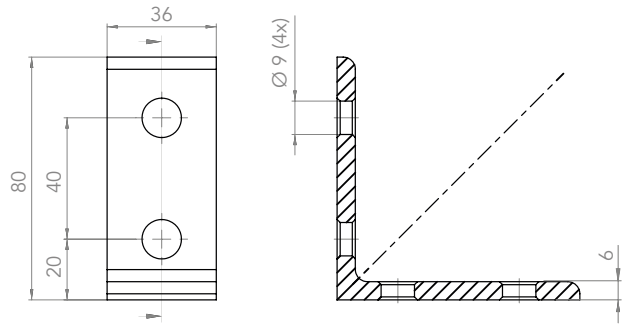


SA201016

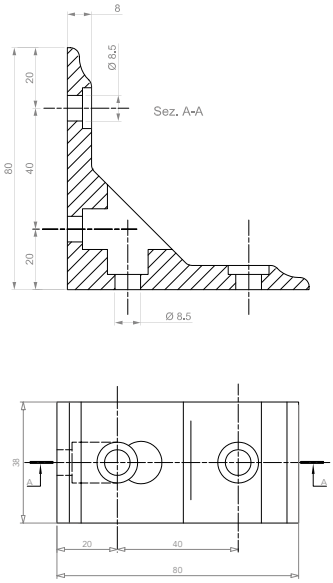


DESCRIPTION	*MATERIAL*	*WEIGHT (*	CODE
ANGLE BRACKETS 40X60	*SANDBLASTED ALUMINUM*	66	SA201013
ANGLE BRACKETS 80X40	*ANODIDED ALUMINUM*	86	SA201014
ANGLE BRACKETS 80X40	*TUMBLED ALUMINUM*	200	SA201015
ANGLE BRACKETS 80X40	*TUMBLED ALUMINUM*	220	SA201016

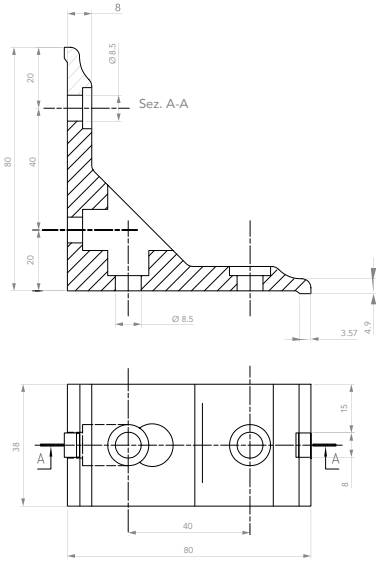
3.1 *ANGLE BRACKETS*



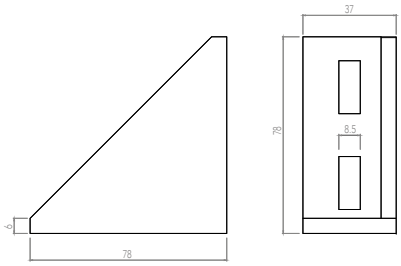
SA201017



SA201018



SA201019

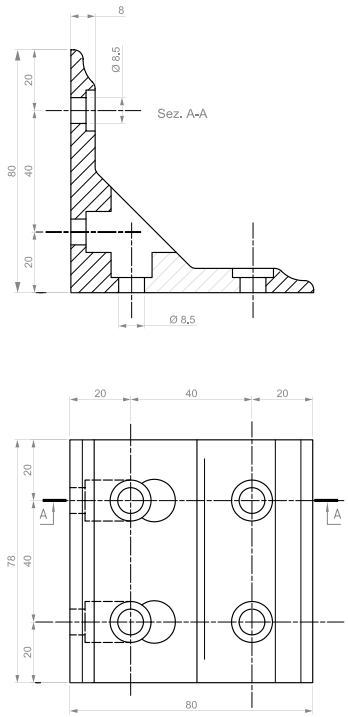


SA201020

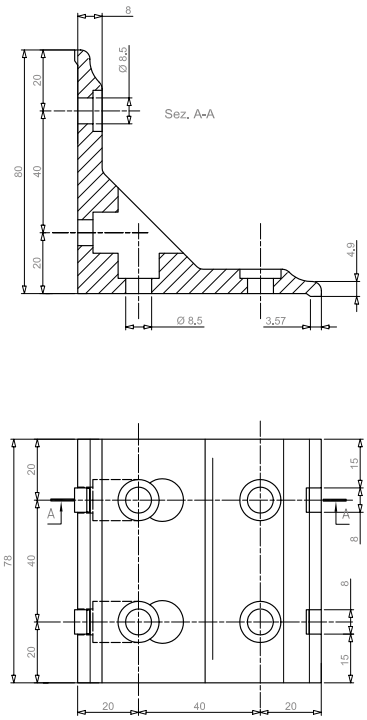


DESCRIPTION	*MATERIAL*	*WEIGHT* (g)	CODE
ANGLE BRACKETS 40X80	*TUMBLED ALUMINUM*	85	SA201017
ANGLE BRACKETS 40X80	*ANODIDED ALUMINUM*	150	SA201018
ANGLE BRACKETS 40X80	*TUMBLED ALUMINUM*	160	SA201019
ANGLE BRACKETS 40X80	*SANDBLASTED ALUMINUM*	115	SA201020

3.1 *ANGLE BRACKETS*



SA201021

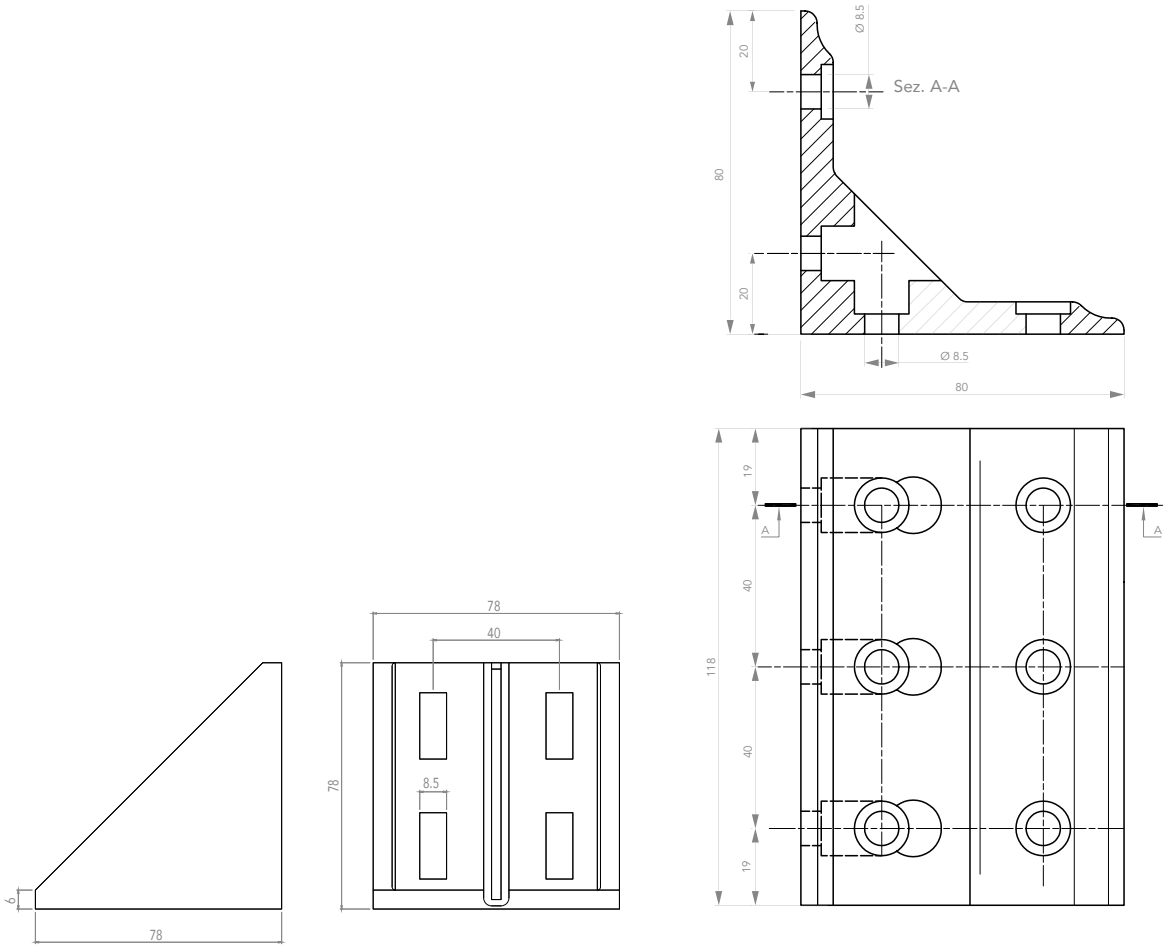


SA201022



DESCRIPTION	*MATERIAL*	*WEIGHT* (g)	CODE
ANGLE BRACKETS 80X80	*TUMBLED ALUMINUM*	300	SA201021
ANGLE BRACKETS 80X80	*TUMBLED ALUMINUM*	320	SA201022

3.1 *ANGLE BRACKETS*



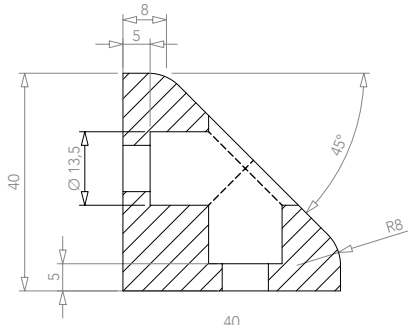
SA201023 SA201024

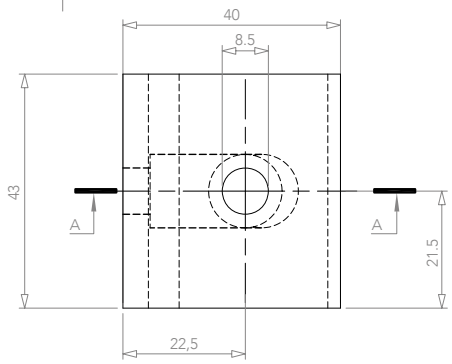


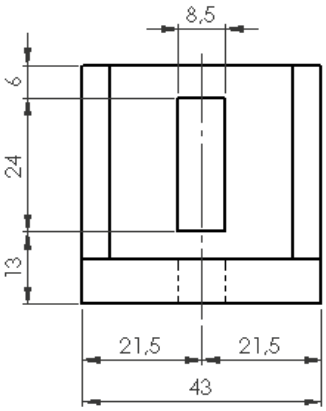
DESCRIPTION	*MATERIAL*	*WEIGHT* (g)	CODE
ANGLE BRACKETS 80X80	*SANDBLASTED ALUMINUM*	234	SA201023
ANGLE BRACKETS 80X80	*TUMBLED ALUMINUM*	450	SA201024

3.1 *ANGLE BRACKETS*

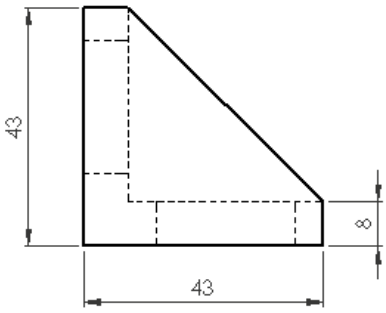
Sez. A-A







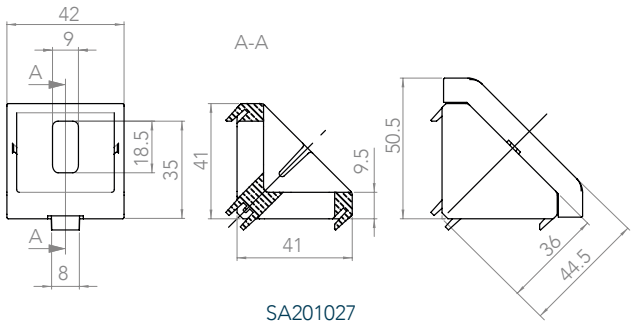
SA201025



SA201026



DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
ANGLE BRACKETS 45X45	TUMBLED ALUMINUM	110	SA201025
ANGLE BRACKETS 45X45	SANDBLASTED ALUMINUM	60	SA201026



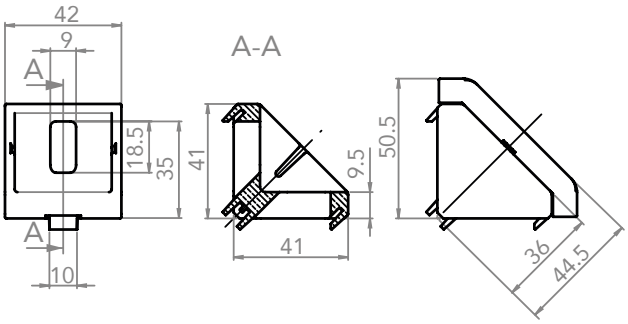
SA201027

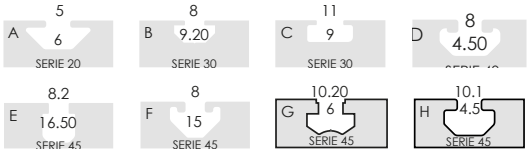


DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
ANGLE BRACKETS 45X45	CASTING ALUMINUM	52	SA201027

3.1 *ANGLE BRACKETS*

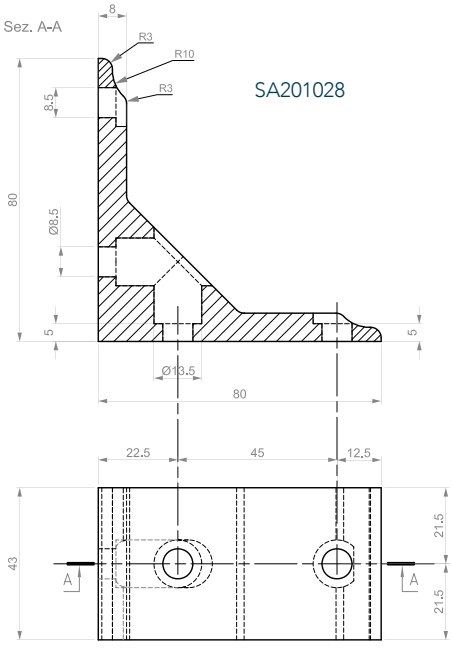
SA201033



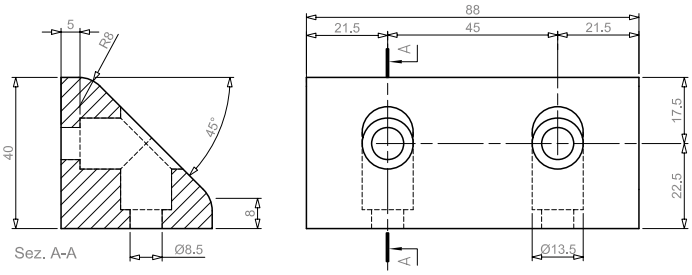


DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
ANGLE BRACKETS 90X45	TUMBLED ALUMINUM	52	SA201033

SA201028



SA201029

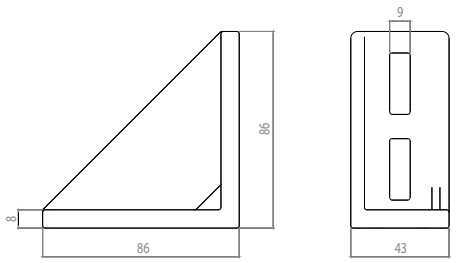




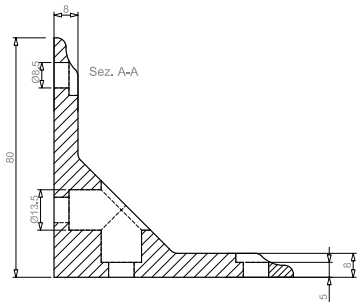
DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
ANGLE BRACKETS 45X90	TUMBLED ALUMINUM	170	SA201028
ANGLE BRACKETS 90X45	TUMBLED ALUMINUM	220	SA201029

3.1 *ANGLE BRACKETS*

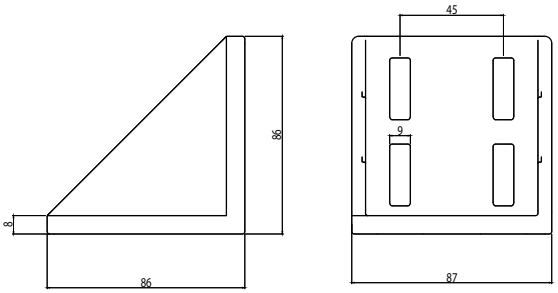
SA201030

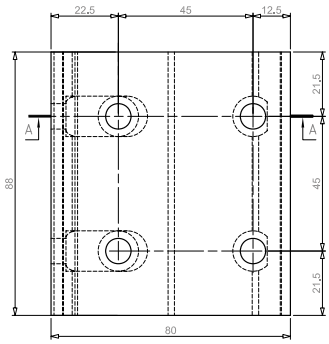


SA201031



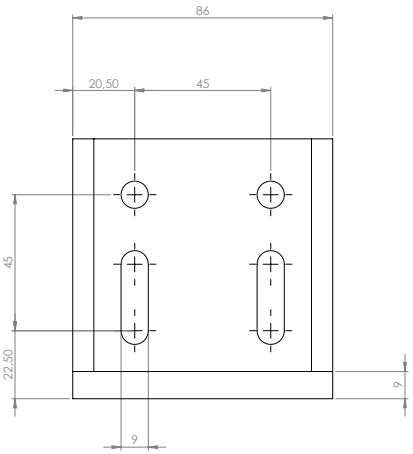
SA201032



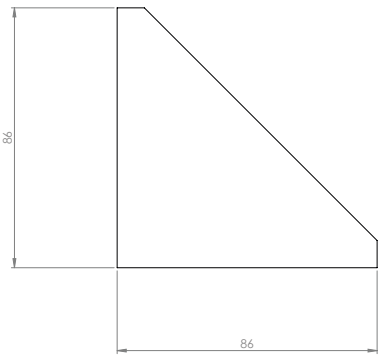




DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
ANGLE BRACKETS 45X90	SANDBLASTED ALUMINUM	162	SA201030
ANGLE BRACKETS 90X90	SANDBLASTED ALUMINUM	350	SA201031
ANGLE BRACKETS 90X90	TUMBLED ALUMINUM	360	SA201032



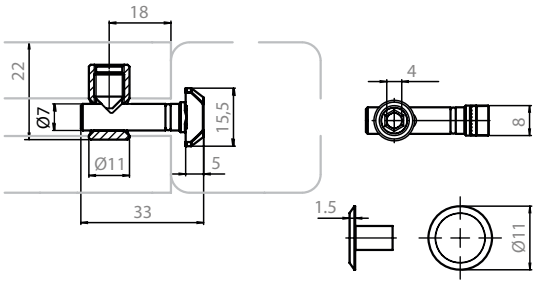
SA201034

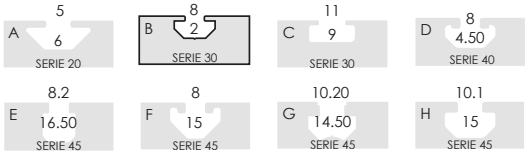




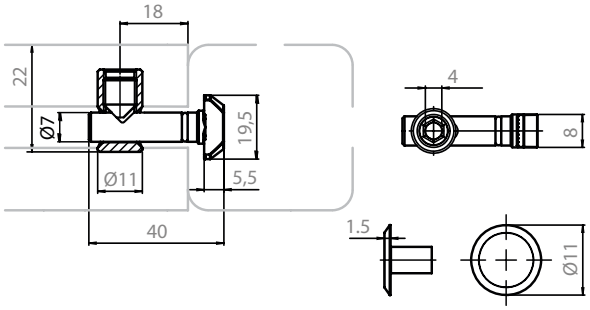
DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
ANGLE BRACKETS 90X90	TUMBLED ALUMINUM	421	SA201034

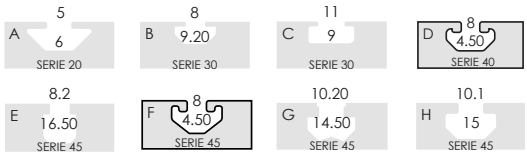
3.2 *CENTRAL CONNECTOR*



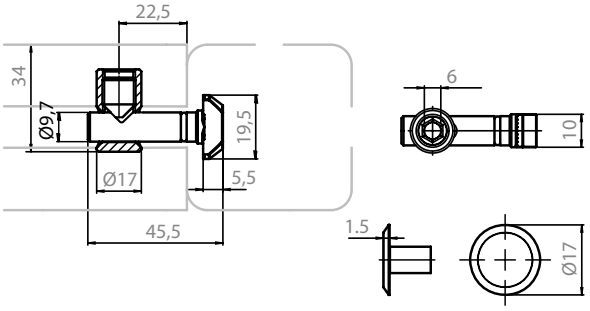


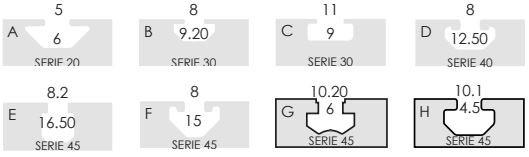
DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
CENTRAL CONNECTOR SERIES 30 - 0°	ZINC PLATED STEEL	21	SA202001
CENTRAL CONNECTOR SERIES 30 - 90°	ZINC PLATED STEEL	21	SA202002





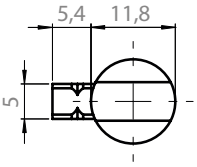
DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
CENTRAL CONNECTOR SERIES 40 - 0°	ZINC PLATED STEEL	26	SA202003
CENTRAL CONNECTOR SERIES 40 - 90°	ZINC PLATED STEEL	26	SA202004

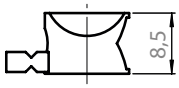


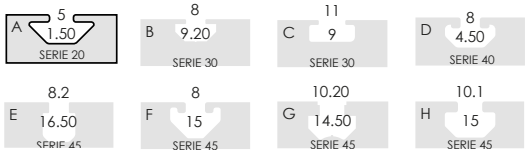


DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
CENTRAL CONNECTOR SERIES 45 - 0°	ZINC PLATED STEEL	56	SA202005
CENTRAL CONNECTOR SERIES 45 - 90°	ZINC PLATED STEEL	56	SA202006

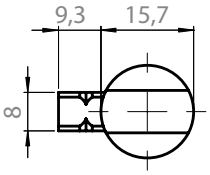
3.3 *MULTI PURPOSE CONNECTOR*

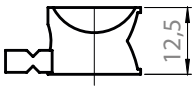


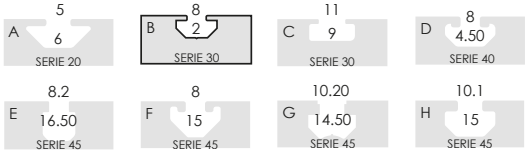




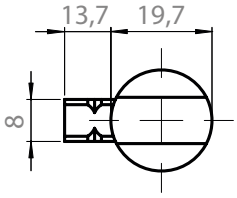
DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
CENTRAL CONNECTOR SERIES 20	ZINC PLATED STEEL	3,4	SA202007

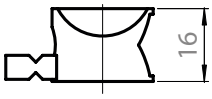


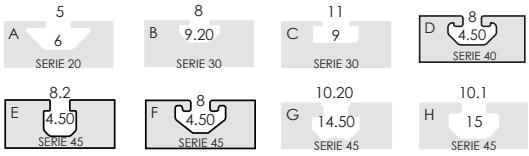




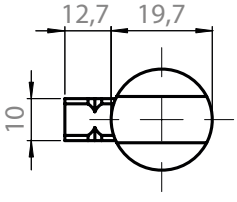
DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
CENTRAL CONNECTOR SERIES 30	ZINC PLATED STEEL	9	SA202008

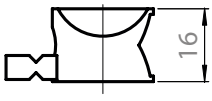


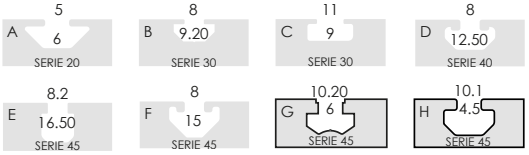




DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
CENTRAL CONNECTOR SERIES 40	ZINC PLATED STEEL	19,5	SA202009

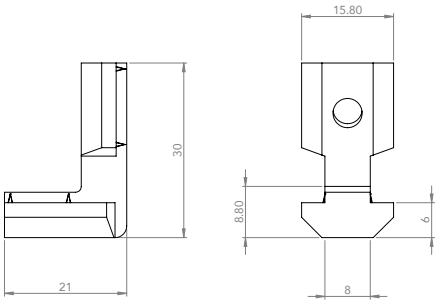


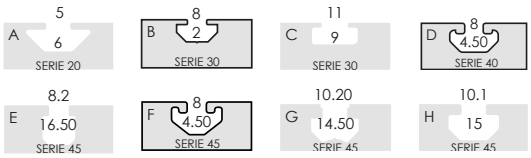




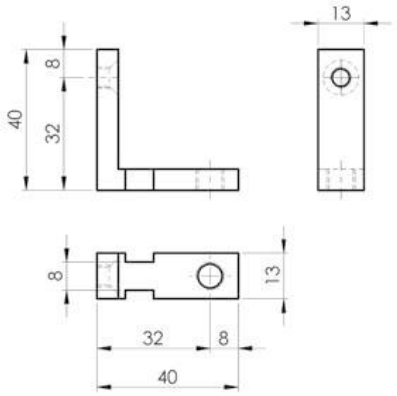
DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
CENTRAL CONNECTOR SERIES 45	ZINC PLATED STEEL	14	SA202010

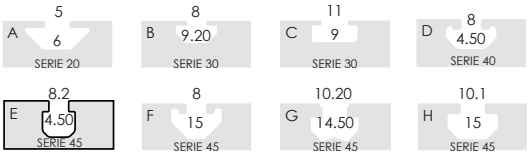
3.4 *90° INNER CONNECTOR*



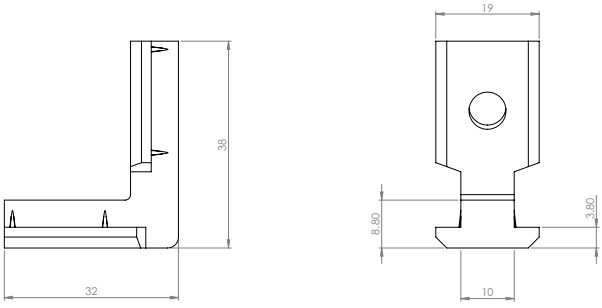


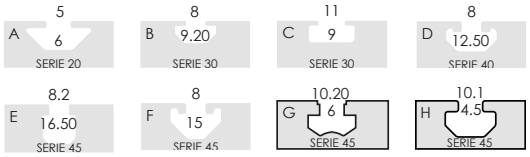
DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
INNER CONNECTOR 90° SERIES 30 -40	ZINC PLATED STEEL	24	SA202011





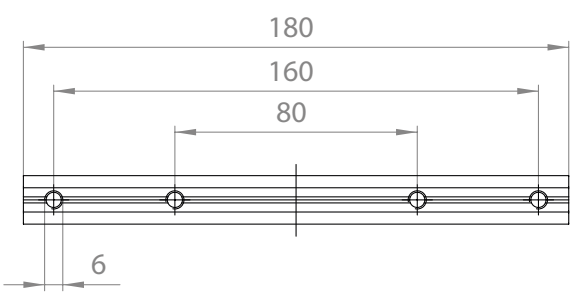
DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
INNER CONNECTOR 90° SERIES 45	ZINC PLATED STEEL	37	SA202012

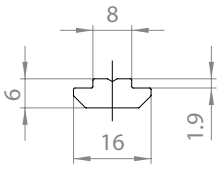


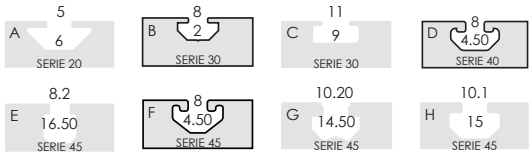


DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
INNER CONNECTOR 90° SERIES 45	ZINC PLATED STEEL	44	SA202013

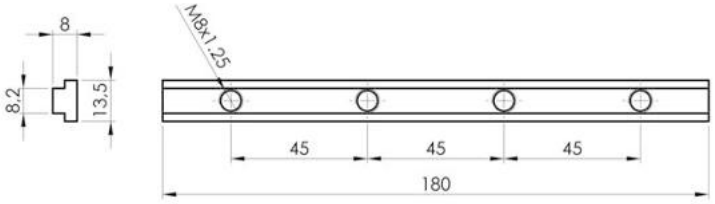
3.5 *LINEAR CONNECTOR*





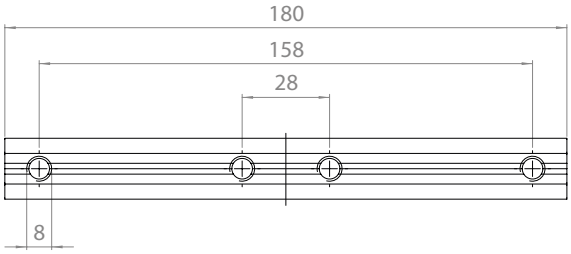


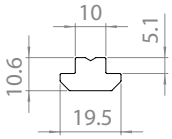
DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
LINEAR CONNECTOR SERIES 30 -40	ZINC PLATED STEEL	134	SA202014

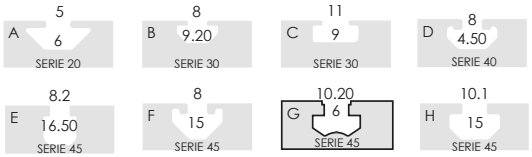




DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
LINEAR CONNECTOR SERIES 45	ZINC PLATED STEEL	124	SA202015



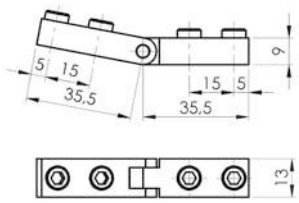




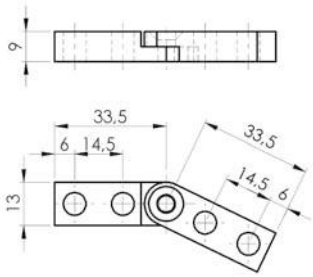
DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
LINEAR CONNECTOR SERIES 45	ZINC PLATED STEEL	264	SA202016

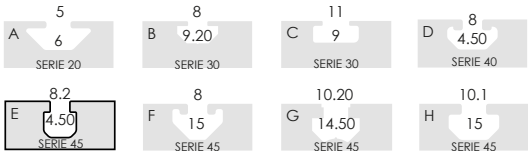
3.6 SWIVEL *CONNECTOR*

SA202017



SA202018

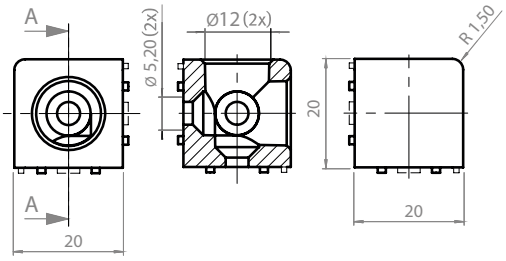




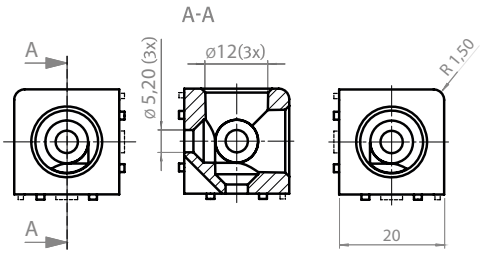
DESCRIPTION	*MATERIAL*	*WEIGHT* (g)	FAIT
SWIVEL CONNECTOR 45	*ZINC PLATED STEEL*	59	SA202017
SWIVEL CONNECTOR 45	*ZINC PLATED STEEL*	55	SA202018

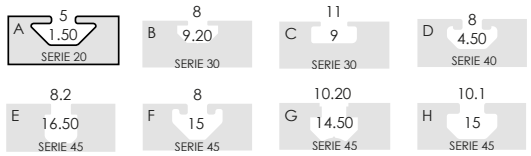
3.7 *ANGULAR CONNECTOR*

SA203001



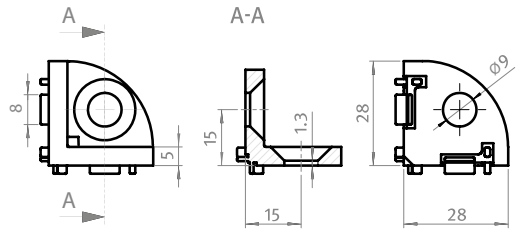
SA203002



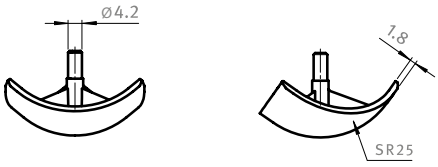


DESCRIPTION	*MATERIAL*	*WEIGHT* (g)	*FAIT*
SQUARE JOINT SERIES 20 - 2 WAYS	*CASTING ALUMINUM*	10	SA203001
SQUARE JOINT SERIES 20 - 3 WAYS	*CASTING ALUMINUM*	10	SA203002

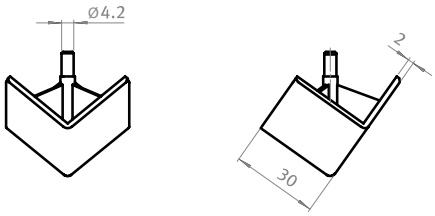
3.7 *ANGULAR CONNECTOR*



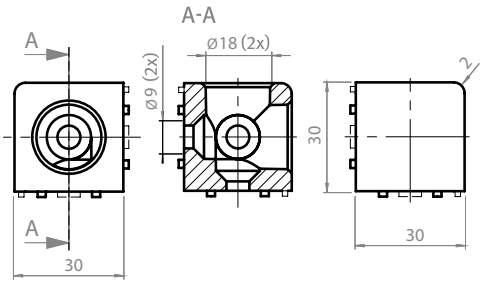
SA203003



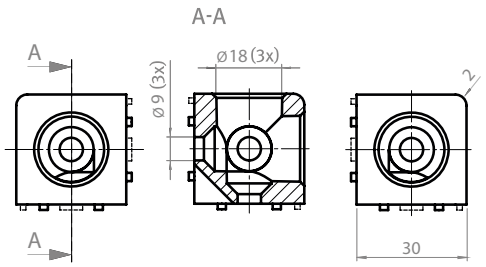
SA203004



SA203005



SA203006

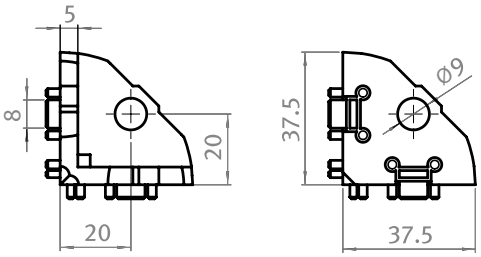


SA203007

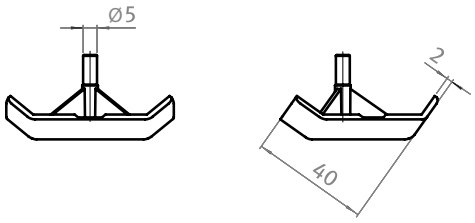


DESCRIPTION	*MATERIAL*	*WEIGHT* (g)	*FAIT*
3 WAYS BODY CONNECTION	*ZINC PLATED STEEL*	39	SA203003
3 WAYS JOINT ROUND CAP SERIES 30	NYLON	10	SA203004
3 WAYS JOINT SQUARE CAP SERIES 30	NYLON	8	SA203005
2 WAYS CUBE JOINT SERIES 30	*CASTING ALUMINUM*	38,5	SA203006
3 WAYS CUBE JOINT SERIES 30	*CASTING ALUMINUM*	38,5	SA203007

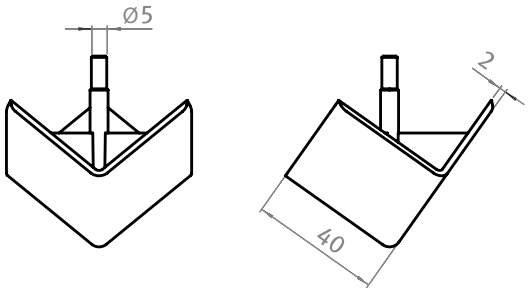
3.7 *ANGULAR CONNECTOR*



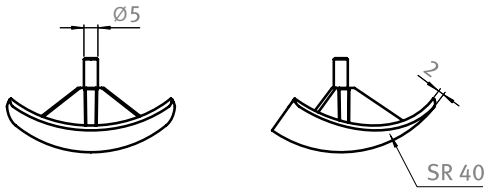
SA203008



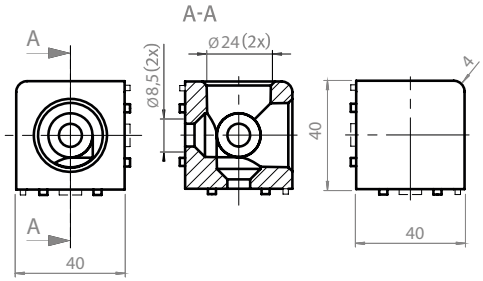
SA203009



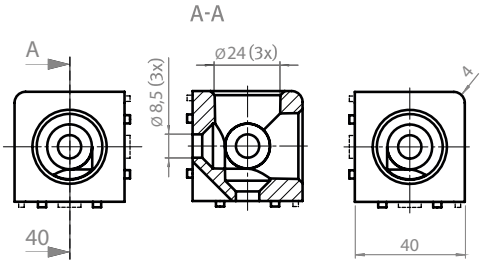
SA203010



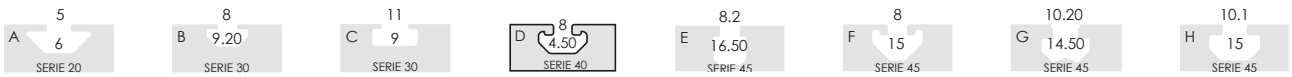
SA203011



SA203012

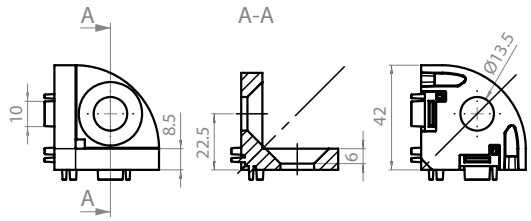


SA203013

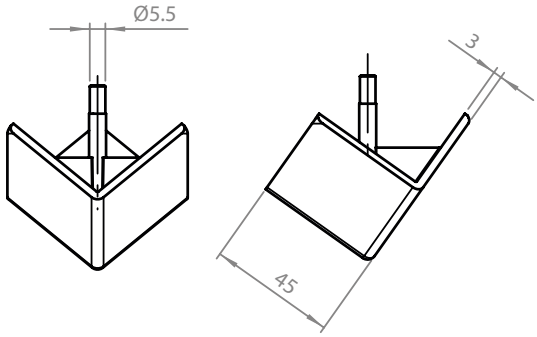


DESCRIPTION	*MATERIAL*	*WEIGHT* (g)	*CODE*
3 WAYS BODY CONNECTION SERIES 40	*ZINC PLATED STEEL*	83	SA203008
3 WAYS JOINT ROUND CAP SERIES 40	NYLON	8	SA203009
3 WAYS JOINT SQUARE CAP SERIES 40	NYLON	15	SA203010
3 WAYS JOINT ROUND CAP SERIES 40	NYLON	8	SA203011
2 WAYS CUBE JOINT SERIES 40	*CASTING ALUMINUM*	94,50	SA203012
3 WAYS CUBE JOINT SERIES 40	*CASTING ALUMINUM*	94,50	SA203013

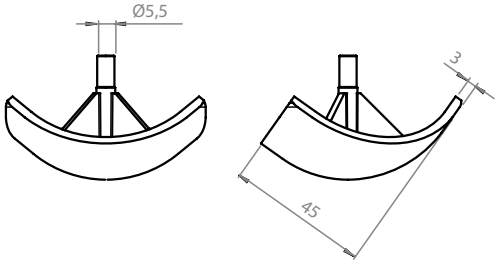
3.7 *ANGULAR CONNECTOR*



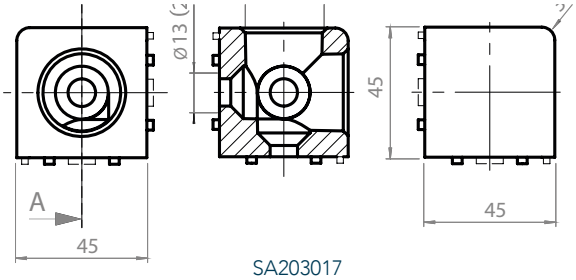
SA203014



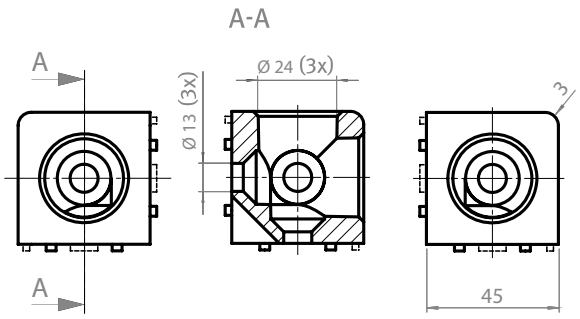
SA203015



SA203016



SA203017

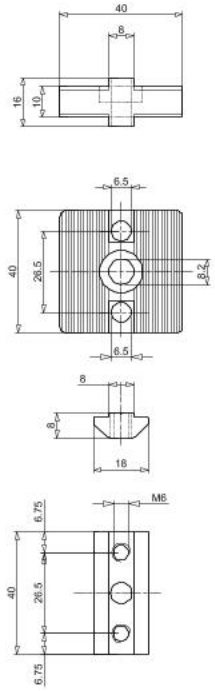


SA203018

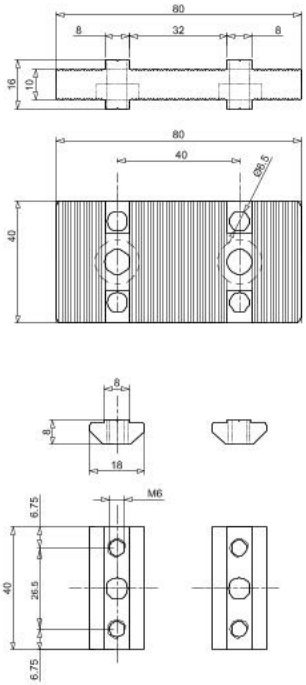


DESCRIPTION	*MATERIAL*	*WEIGHT (g)*	*CODE*
3 WAYS BODY CONNECTION SERIES 45	*ZINC PLATED STEEL*	132	SA203014
3 WAYS JOINT SQUARE CAP SERIES 45	NYLON	28	SA203015
3 WAYS JOINT ROUND CAP SERIES 45	NYLON	16	SA203016
2 WAYS CUBE JOINT SERIES 45	*CASTING ALUMINUM*	151,50	SA203017
3 WAYS CUBE JOINT SERIES 45	*CASTING ALUMINUM*	151,50	SA203018

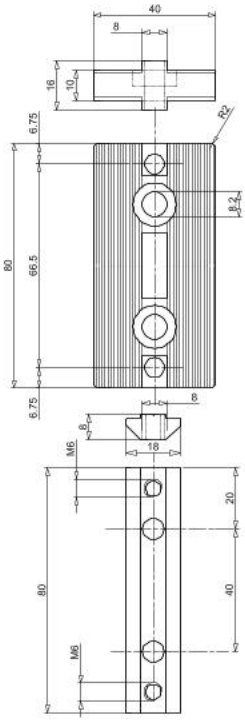
3.8 *HEAD CONNECTOR*



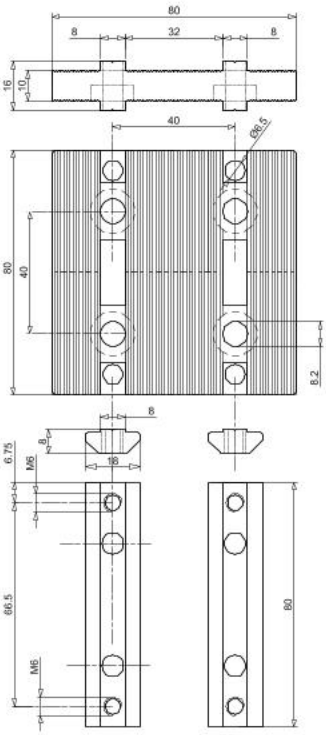
SA204001



SA204002



SA204003

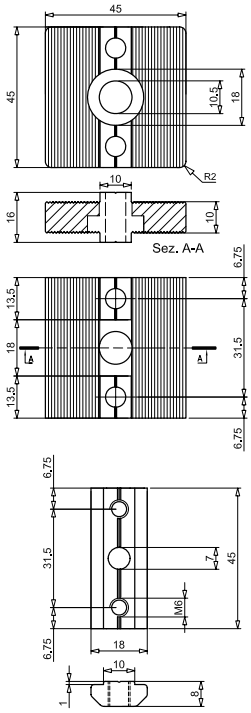


SA204004

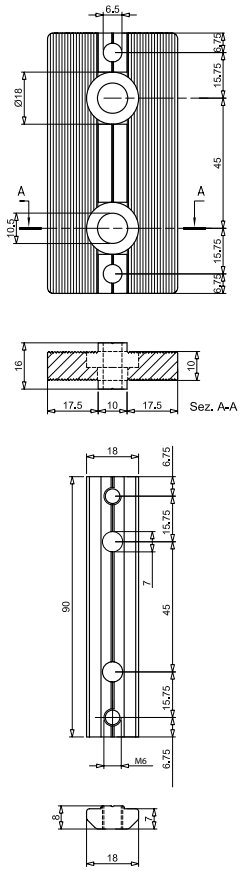


DESCRIPTION	*MATERIAL*	*WEIGHT (g)*	*CODE*
CONNECTION KIT 40X40	*TUMBLED ALUMINUM*	60	SA204001
CONNECTION KIT 40X80 VERTICAL	*TUMBLED ALUMINUM*	95	SA204002
CONNECTION KIT 40X80 HORIZONTAL	*TUMBLED ALUMINUM*	120	SA204003
CONNECTION KIT 80X80	*TUMBLED ALUMINUM*	198	SA204004

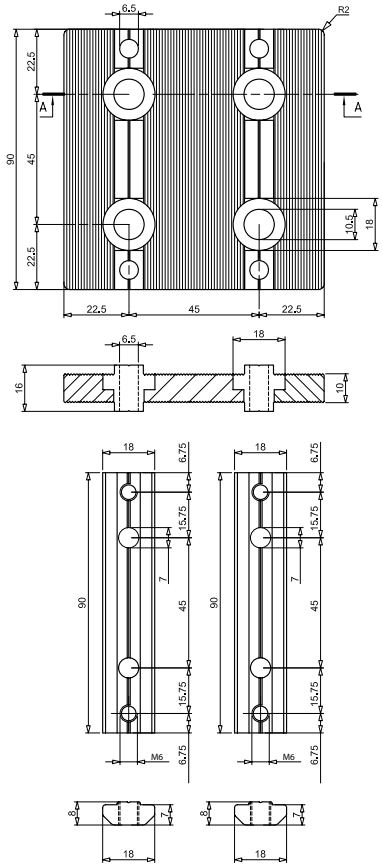
3.8 *HEAD CONNECTOR*



SA204005



SA204006

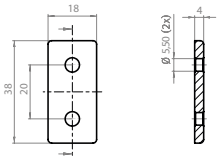


SA204007

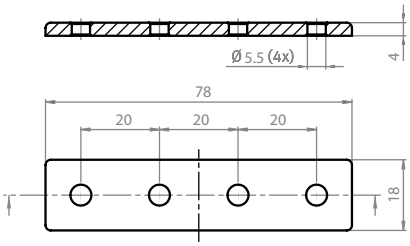


DESCRIPTION	*MATERIAL*	*WEIGHT (g)*	*CODE*
CONNECTION KIT 45X45	*TUMBLED ALUMINUM*	61	SA204005
CONNECTION KIT 45X90 HORIZONTAL	*TUMBLED ALUMINUM*	125	SA204006
CONNECTION KIT 90X90	*TUMBLED ALUMINUM*	258	SA204007

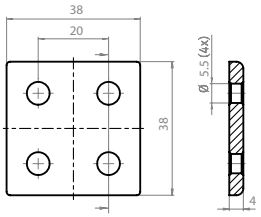
3.9 *FIXING PLATE SLOT 5 SERIES 20*



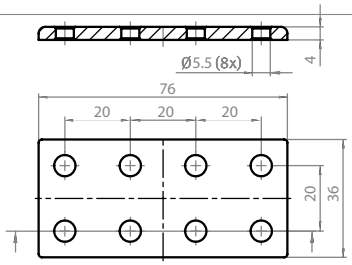
SA205001



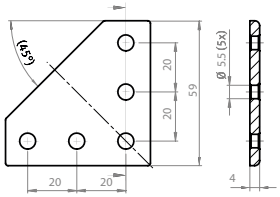
SA205002



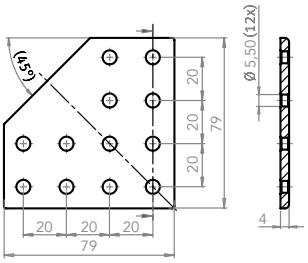
SA205003



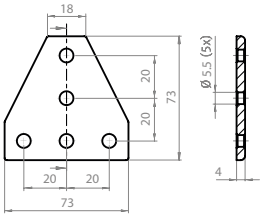
SA205004



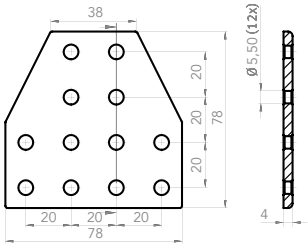
SA205005



SA205006



SA205007

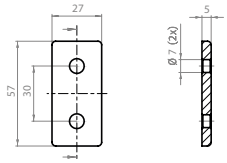


SA205008

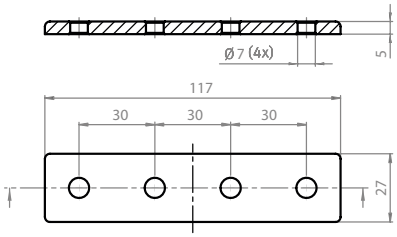


DESCRIPTION	*MATERIAL*	*WEIGHT (g)*	*CODE*
FIXING PLATE 20X40	*ANODIZED ALUMINUM*	7	SA205001
FIXING PLATE 20X80	*ANODIZED ALUMINUM*	15	SA205002
FIXING PLATE 40X40	*ANODIZED ALUMINUM*	15	SA205003
FIXING PLATE 40X80	*ANODIZED ALUMINUM*	27	SA205004
FIXING PLATE 60X60	*ANODIZED ALUMINUM*	27	SA205005
FIXING PLATE 80X80	*ANODIZED ALUMINUM*	55	SA205006
FIXING PLATE 60X60	*ANODIZED ALUMINUM*	27	SA205007
FIXING PLATE 80X80	*ANODIZED ALUMINUM*	55	SA205008

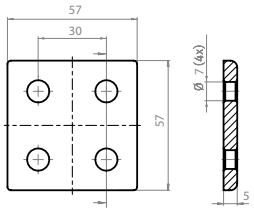
3.10 *FIXING PLATE SLOT 8 SERIES 30*



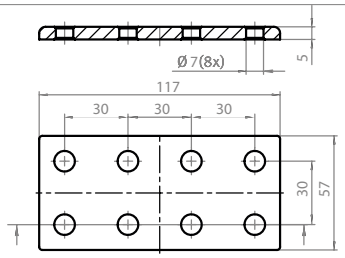
SA205009



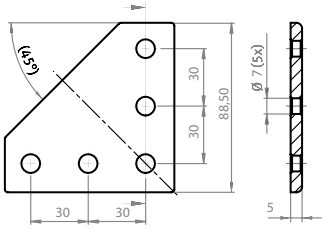
SA205010



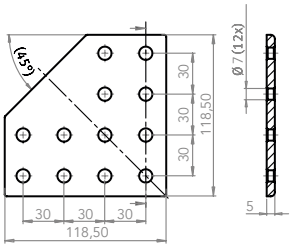
SA205011



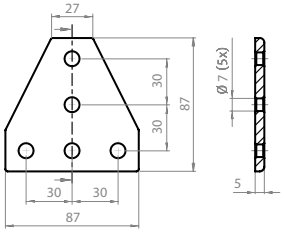
SA205012



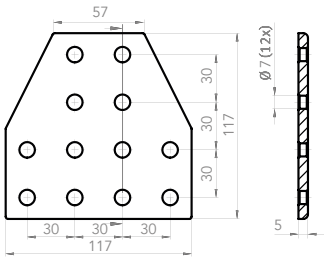
SA205013



SA205014



SA205015

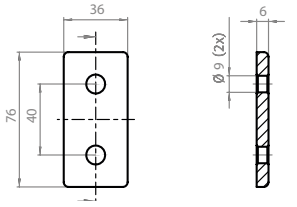


SA205016

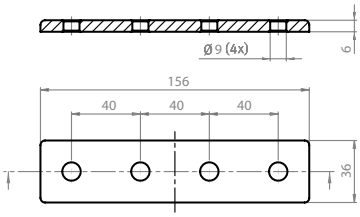


DESCRIPTION	*MATERIAL*	*WEIGHT (g)*	*CODE*
30x60	*ANODIZED ALUMINUM*	20	SA205009
30x120	*ANODIZED ALUMINUM*	40	SA205010
60x60	*ANODIZED ALUMINUM*	42	SA205011
60x120	*ANODIZED ALUMINUM*	85	SA205012
90x90	*ANODIZED ALUMINUM*	78	SA205013
120x120	*ANODIZED ALUMINUM*	158	SA205014
90x90	*ANODIZED ALUMINUM*	75	SA205015
120x120	*ANODIZED ALUMINUM*	154	SA205016

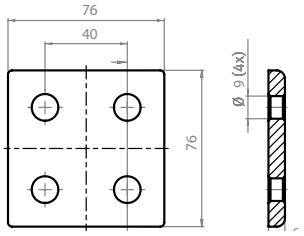
3.11 *FIXING PLATE*



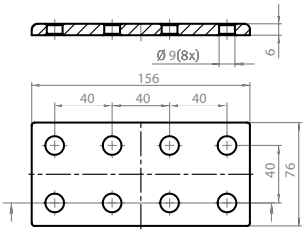
SA205017



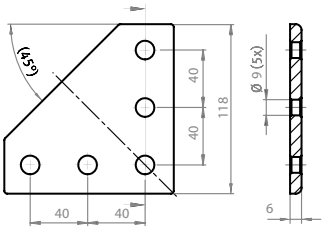
SA205018



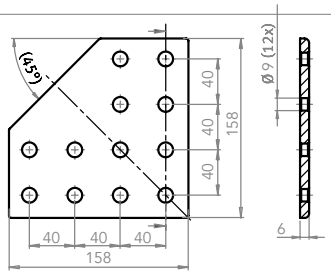
SA205019



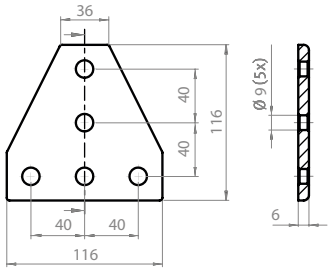
SA205020



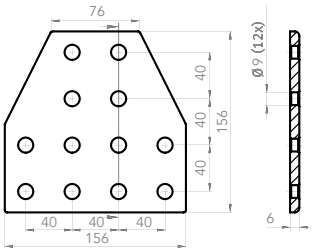
SA205021



SA205022



SA205023

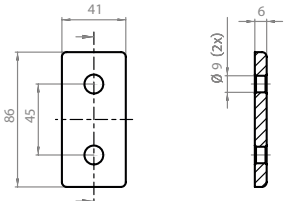


SA205024

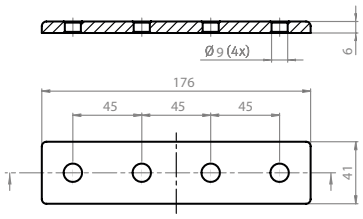


DESCRIPTION	*MATERIAL*	*WEIGHT (g)*	*CODE*
40x80	*ANODIZED ALUMINUM*	42	SA205017
40x160	*ANODIZED ALUMINUM*	86	SA205018
80x80	*ANODIZED ALUMINUM*	90	SA205019
80x160	*ANODIZED ALUMINUM*	185	SA205020
120x120	*ANODIZED ALUMINUM*	168	SA205021
160x160	*ANODIZED ALUMINUM*	340	SA205022
120x120	*ANODIZED ALUMINUM*	160	SA205023
160x160	*ANODIZED ALUMINUM*	330	SA205024

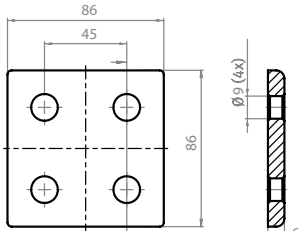
3.11 *FIXING PLATE*



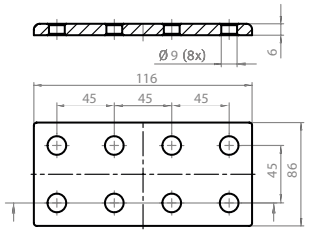
SA205025



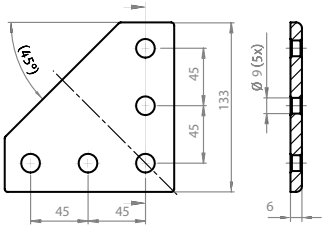
SA205026



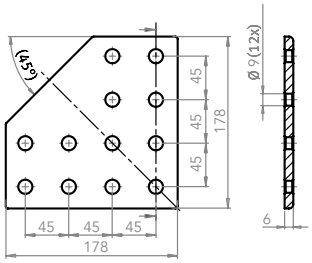
SA205027



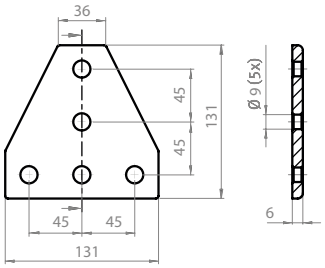
SA205028



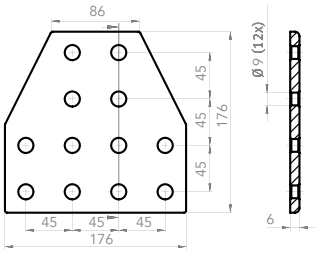
SA205029



SA205030



SA205031

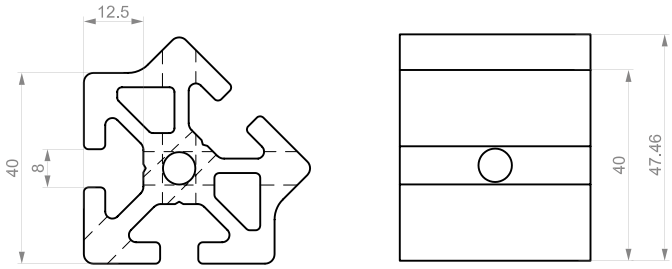


SA205032

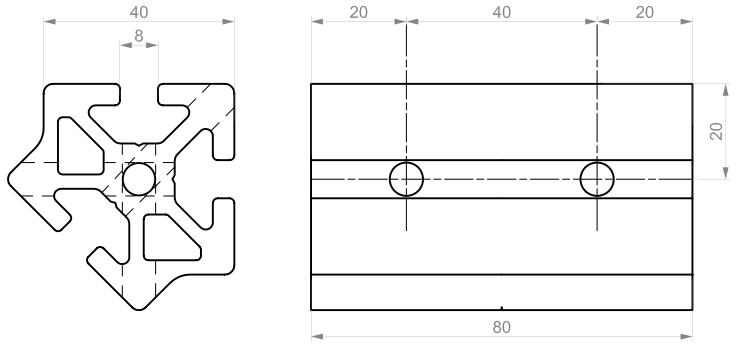


DESCRIPTION	*MATERIAL*	*WEIGHT (g)*	*CODE*
45x90	*ANODIZED ALUMINUM*	55	SA205025
45x180	*ANODIZED ALUMINUM*	112	SA205026
90x90	*ANODIZED ALUMINUM*	115	SA205027
90x180	*ANODIZED ALUMINUM*	240	SA205028
135x135	*ANODIZED ALUMINUM*	215	SA205029
180x180	*ANODIZED ALUMINUM*	435	SA205030
135x135	*ANODIZED ALUMINUM*	210	SA205031
180x180	*ANODIZED ALUMINUM*	425	SA205032

3.12 *45° PROFILE CONNECTOR*



SA206001

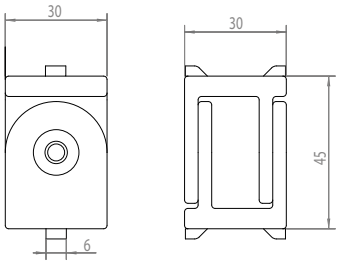


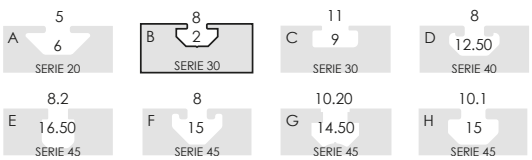
SA206002



DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
ANGOLAR CONNECTOR 40x40x45°	ANODIZED ALUMINUM	92	SA206001
ANGOLAR CONNECTOR 40x80x45°	ANODIZED ALUMINUM	184	SA206002

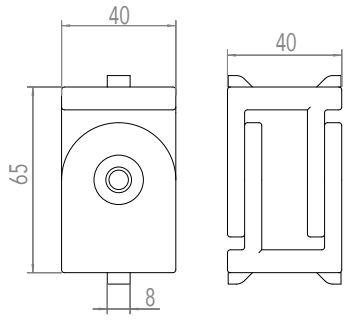
3.13 *SWIVEL CONNECTOR*

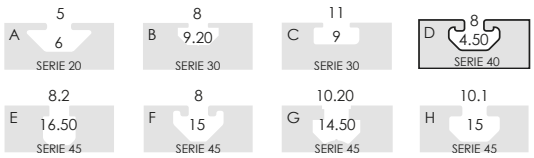




DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
SERIES 30 SWIVEL CONNECTOR	SANDBLASTED ALUMINUM	55	SA208001

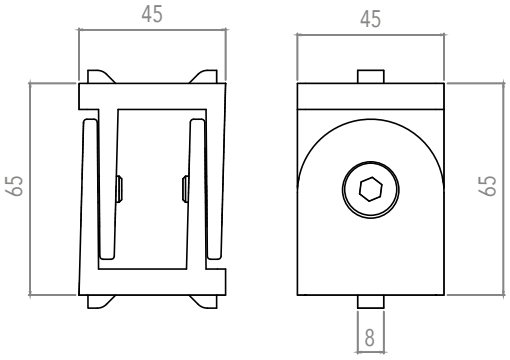
3.13 *SWIVEL CONNECTOR*

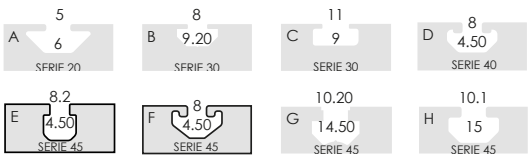




DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
SERIES 40 SWIVEL CONNECTOR	SANDBLASTED ALUMINUM	146	SA208002

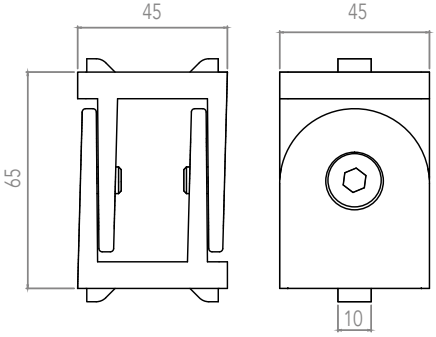
3.13 *SWIVEL CONNECTOR*

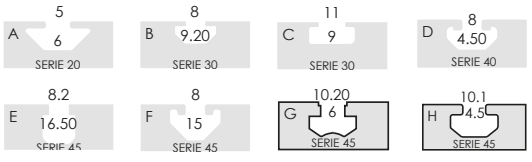




DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
SERIES 40 SLOT 8 SWIVEL CONNECTOR	SANDBLASTED ALUMINUM	210	SA208003

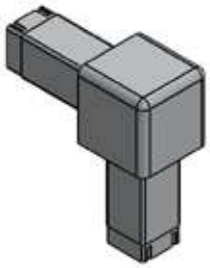
3.13 *SWIVEL CONNECTOR*



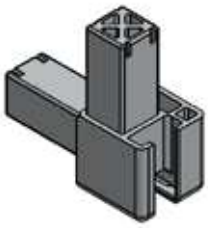


DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
SERIES 40 SLOT 10 SWIVEL CONNECTOR	SANDBLASTED ALUMINUM	210	SA208004

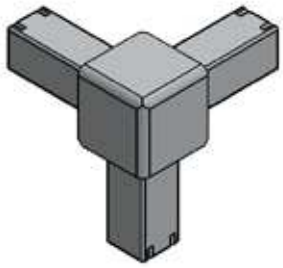
3.14 FRAME CONNECTORS



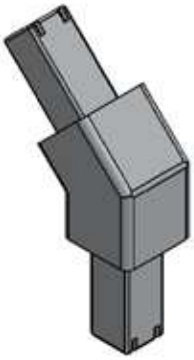
SA207001G/SA207001N



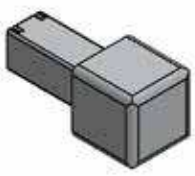
SA207002G/SA207002N



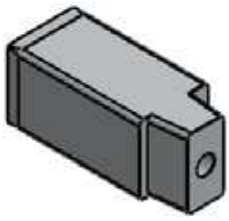
SA207003G/SA207003N



SA207004G/SA207004N



SA207005G/SA207005N

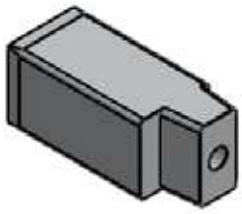


SA207006G/SA207006N

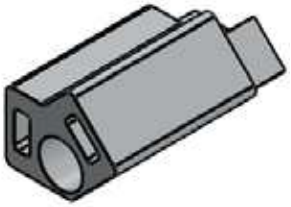


DESCRIPTION	COLOUR	CODE
2 WAYS CONNECTOR 90 GR	GREY/BLACK	SA207001G
		SA207001N
2 WAYS CONNECTOR 90 GR	GREY/BLACK	SA207002G
		SA207002N
3 WAYS CONNECTOR 90 GR	GREY/BLACK	SA207003G
		SA207003N
2 WAYS CONNECTOR 135 GR	GREY/BLACK	SA207004G
		SA207004N
CONNECTOR (CAP)	GREY/BLACK	SA207005G
		SA207005N
DOUBLE CONNECTOR 30X30	GREY/BLACK	SA207006G
		SA207006N

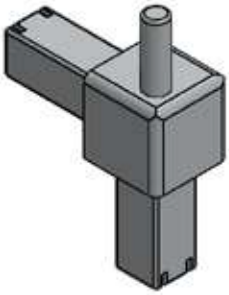
3.14 FRAME CONNECTORS



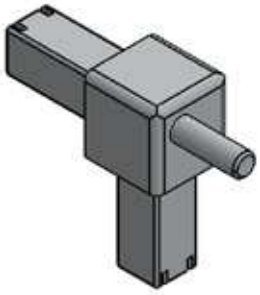
SA207007G/SA207007N



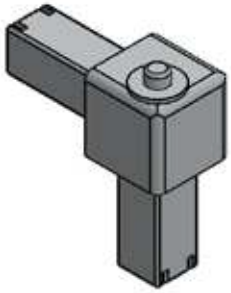
SA207008G/SA207008N



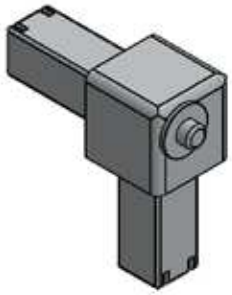
SA207009G/SA207009N



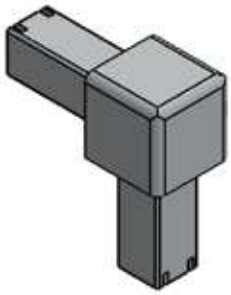
SA207010G/SA207010N



SA207011G/SA207011N



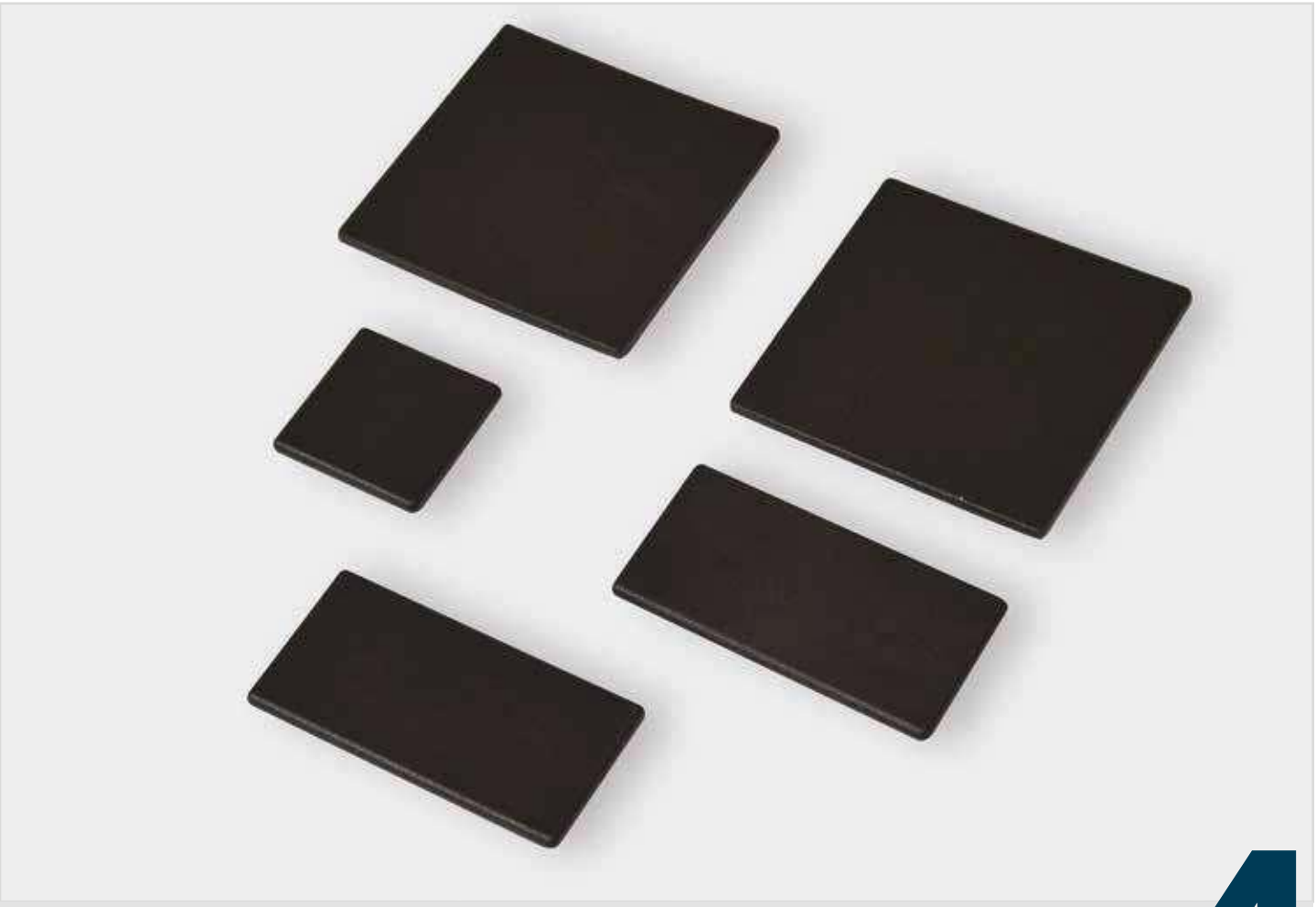
SA207012G/SA207012N



SA207013G/SA207013G



DESCRIPTION	COLOUR	CODE
DOUBLE CONNECTOR 40X21	GREY/BLACK	SA207007G
		SA207007N
ACCESS. 135 INNER CONNECTOR	GREY/BLACK	SA207008G
		SA207008N
2 WAYS PIN DX L27 90 GR. CONNECTOR	GREY/BLACK	SA207009G
		SA207009N
2 WAYS PIN SX L27 90 GR. CONNECTOR	GREY/BLACK	SA207010G
		SA207010N
2 WAYS RIGHT SCREW 90 GR. CONNECTOR	GREY/BLACK	SA207011G
		SA207011N
2 WAYS LEFT SCREW 90 GR. CONNECTOR	GREY/BLACK	SA207012G
		SA207012N
2 WAYS MAGNET 90 GR. CONNECTOR	GREY/BLACK	SA207013G
		SA207013N

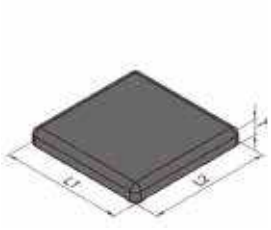


4

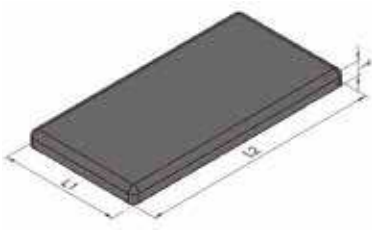
CLOSING ACCESSORIES

4.1 *CAPS FOR PROFILES*

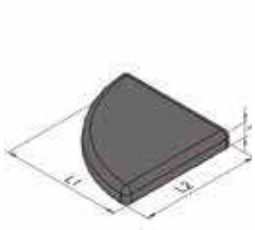




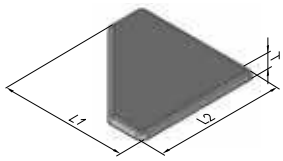
A



B



C



D

CAP TYPE	*CAP CODE*	*MOUNTING ON*	L1 (mm)	L2 (mm)	T (mm)
A	SA301001	SA020020AL0205M	20	20	3
		SA020020AL0305M			
		SA020020AL0405M			
B	SA301002	SA020032AL0108M	20	32	3
		SA020032AL0208M			
B	SA301003	SA020040AL0208M	20	40	3
A	SA30104	SA030030AL0208M	30	30	3
		SA030030AL0308M			
		SA030030AL0408M			
		SA030030AL0408B			
B	SA301005	SA030060AL0608M	30	60	3
		SA030060AL0608B			
B	SA301006	SA030070AL0608M	30	70	3
A	SA301008	SA040040AX0108M	40	40	3
		SA040040AX0208M			
		SA040040AX0308M			
		SA040040AX0408M			
B	SA301011	SA040080AX0608M	40	80	3
A	SA301008	SA040040AL0208M	40	40	3
		SA040040AL0308M			
		SA040040AL0408M			
C	SA301009	SA040040RL0208M	40	40	3
D	SA301010	SA040040BL0208M	40	40	3
B	SA301011	SA040080AL0308M	40	80	3
		SA040080AL0408M			
		SA040080AL0608M			

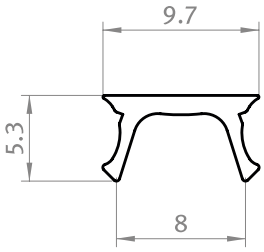
4.1 *CAPS FOR PROFILES*

CAP TYPE	*CAP CODE*	*MOUNTING ON*	L1 (mm)	L2 (mm)	T (mm)
B	SA301008+SA301011	SA040120AL0808M	40	120	3
B	2 SA301011	SA040160AL1008M	40	160	3
A	SA301007	SA060060AL0408M	60	60	3
A	SA301012	SA080080AL0808M	80	80	3
B	SA301011+SA301012	SA080120AL1008M	80	120	3
B	2 SA301012	SA080160AL1208M	80	160	3
A	SA301008	SA040040PP0408M	40	40	3
D	SA301010	SA040040BP0208M	40	40	3
		SA040040CP0308M			
B	SA301011	SA040080PP0608M	40	80	3
B	SA301008+SA301011	SA040120PP0808M	40	120	3
A	SA301012	SA080080PP0808M	80	80	3
B	SA301011+SA301012	SA080120PP1008M	80	120	3
B	2 SA301012	SA080160AP1208M	80	160	3
B	SA301013	SA185032AL0108T	18,5	32	2,5
B	SA301014	SA185045AL0208T	18,5	45	2,5
B	SA301015	SA185045AL0308T	18,5	45	2,5
A	SA301016	SA032032AL0208T	32	32	2,5
	SA301017	SA032032RL0208T	32	32	2,5
B	SA301018	SA045225AL0210M	22,5	45	3
		SA045225VL0208M			
B	SA301019	SA045032AL0308T	32	45	2,5
A	SA301020	SA045045AL0108T	45	45	2,5
		SA045045AL0208T			
		SA045045AL0308T			
		SA045045AL0408T			
		SA045045AL0408X			
A	SA301021	SA045045VL0408M	45	45	3
		SA045045AL0410M			
A	SA301022	SA045045AL0410B	45	45	2,5
A	SA301021	SA045045VL0410M	45	45	3
D	SA301022	SA045045BL0208T	45	45	2,5
C	SA301023	SA045045RL0208T	45	45	2,5
B	SA301024	SA045060AL0410B	45	60	2,5
B	SA301025	SA045060AL0410M	45	60	3
B	SA301026	SA045060AL0408T	45	60	2,5
B	SA301027	SA045090AL0608T	45	90	3
B	SA301028	SA045090AL0610M			

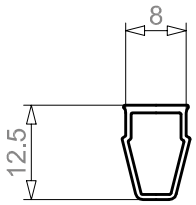
4.1 *CAPS FOR PROFILES*

CAP TYPE	*CAP CODE*	*MOUNTING ON*	L1 (mm)	L2 (mm)	T (mm)
B	SA301029	SA045090AL0610B	45	90	2,5
B	SA301028	SA045090VL0608M	45	90	3
		SA045090VL0610M			
B	SA301021+SA301028	SA045135VL0808M	45	135	3
A	SA301030	SA090090AL0810B	90	90	2,5
A	SA301034	SA090090AL0808T	90	90	2,5
A	SA301031	SA090090VL0808M	90	90	3
		SA090090AL1008M			
B	2 SA301031	SA090180AL1208M	90	180	3
B	SA301035	SA185180AP0908T	18,5	180	2,5
A	SA301032	SA045045AP0208T	45	45	3
A	SA301021	SA045045AP0410M	45	45	3
A	SA301032	SA045045AP0408T	45	45	2,5
B	SA301033	SA045090AP0608T	45	90	2,5
B	SA301028	SA045090AP0610M	45	90	3
B	SA301033	SA045135AP0808T	45	135	2,5
B	SA301021+SA301028	SA045135AP0810M	45	135	3
A	SA301031	SA090090AP0810M	90	90	3
A	SA301034	SA090090AP0808T	90	90	2,5

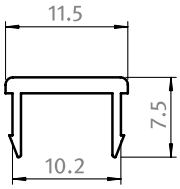
4.2 *CLOSING PROFILE*



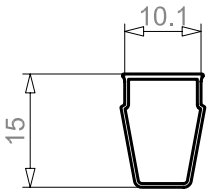
SA302001



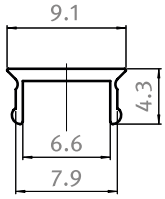
SA302002



SA302003



SA302004



SA302005

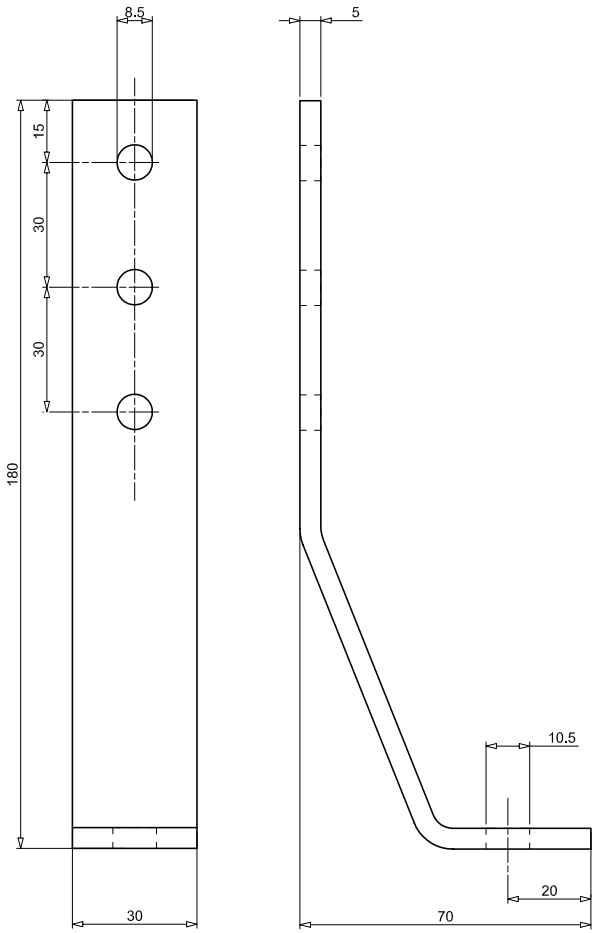
DESCRIPTION	*COLOUR* - MATERIALE	COMMERCIAL LENGTH	CODE
CLOSING PROFILE SERIES 30 - SLOT B	*BLACK - PLASTIC*	*2 METERS*	SA302001
CLOSING PROFILE SERIES 30 - SLOT D	*BLACK - PLASTIC*	*3 METERS*	SA302002
CLOSING PROFILE SERIES 30 - SLOT E	*BLACK - PLASTIC*	*3 METERS*	SA302002
CLOSING PROFILE SERIES 30 - SLOT F	*BLACK - PLASTIC*	*2 METERS*	SA302001
CLOSING PROFILE SERIES 30 - SLOT G	*BLACK - PLASTIC*	*3 METERS*	SA302003
CLOSING PROFILE SERIES 30 - SLOT H	*BLACK - PLASTIC*	*2 METERS*	SA302004
CLOSING PROFILE - SLOT 8 MM	*GREY - ALLUMINUM*	*2 METERS*	SA302005



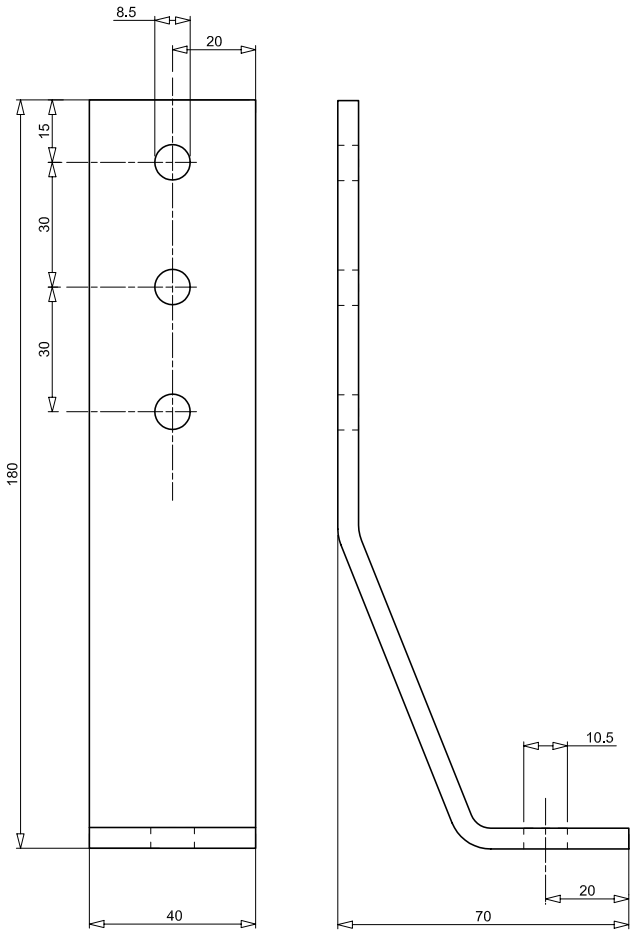
5

FIXING FLOOR ACCESSORIES

5.1 *FLOOR ANCHOR BRACKET*



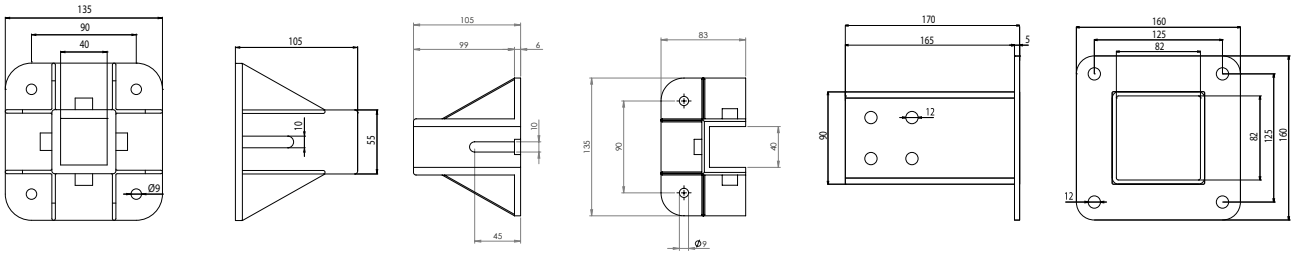
SA401001



SA401002

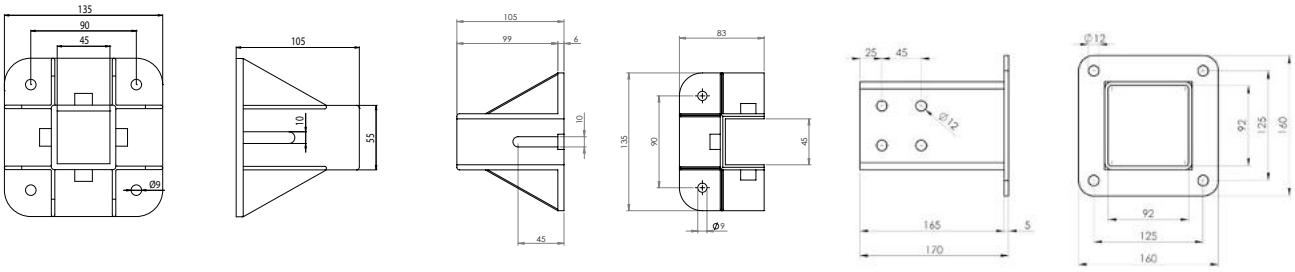
DESCRIPTION	*MATERIAL*	*WEIGHT (g)*	*CODE*
FLOOR ANCHOR BRACKET SERIES 30	*ZINC PLATED STEEL*	250	SA401001
FLOOR ANCHOR BRACKET SERIES 40/45	*ZINC PLATED STEEL*	320	SA401002

5.2 *FLOOR ANCHOR BASE*



SA402001 SA402002 SA402003

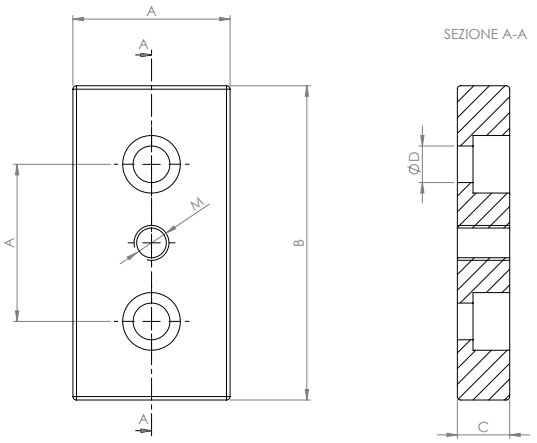
DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
FLOOR ANCHOR BASE 40X40	CAST SANDBLASTED ALUMINUM	661	SA402001
FLOOR ANCHOR BASE 40X80	CAST SANDBLASTED ALUMINUM	800	SA402002
FLOOR ANCHOR BASE 80X80	CAST SANDBLASTED ALUMINUM	2360	SA402003



SA402004 SA402005 SA402006

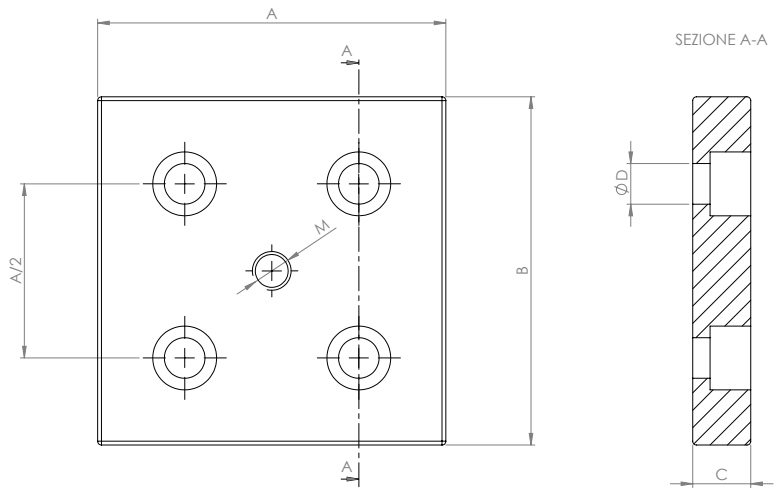
DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
FLOOR ANCHOR BASE 45X45	CAST SANDBLASTED ALUMINUM	562	SA402004
FLOOR ANCHOR BASE 45X90	CAST SANDBLASTED ALUMINUM	672	SA402005
FLOOR ANCHOR BASE 90X90	CAST SANDBLASTED ALUMINUM	2364	SA402006

5.3 *FEET AND WHEELS FIXING FLANGE*



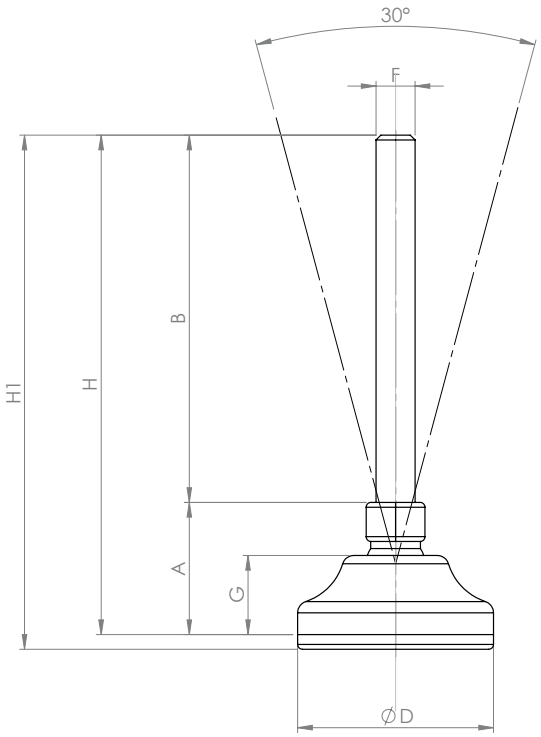
DESCRIPTION	*MATERIAL*	*WEIGHT (g)*	A (mm)	B (mm)	C (mm)	D (mm)	M	*CODE*
FEET BASE PROFILE 30X60	ZAMA	100	30	60	12	9 (M8)	M12	SA403001
FEET BASE PROFILE 30X60	ZAMA	98	30	60	12	9 (M8)	M16	SA403002
FEET BASE PROFILE 30X60	ZAMA	96	30	60	12	9 (M8)	M10	SA403003
FEET BASE PROFILE 40X80	ZAMA	213	40	80	16	9 (M8)	M12	SA403004
FEET BASE PROFILE 40X80	ZAMA	211	40	80	16	9 (M8)	M16	SA403005
FEET BASE PROFILE 40X80	ZAMA	209	40	80	16	9 (M8)	M10	SA403006
FEET BASE PROFILE 40X80	ZAMA	199	40	80	16	9 (M8)	M12	SA403007
FEET BASE PROFILE 45X90	ZAMA	280	45	90	16	9 (M8)	M16	SA403008
FEET BASE PROFILE 45X90	ZAMA	276	45	90	16	9 (M8)	M8	SA403009
FEET BASE PROFILE 45X90	ZAMA	266	45	90	16	9 (M8)	M10	SA403010
FEET BASE PROFILE 45X90	*TUMBLED ALUMINUM*	150	45	90	15	10.50 (M10)	M12	SA403011
FEET BASE PROFILE 45X90	*TUMBLED ALUMINUM*	146	45	90	15	10.50 (M10)	M8	SA403012
FEET BASE PROFILE 45X90	*TUMBLED ALUMINUM*	140	45	90	15	10.50 (M10)	M10	SA403013
FEET BASE PROFILE 45X90	ZAMA	257	45	90	16	14.50 (M12)	M12	SA403014
FEET BASE PROFILE 45X90	ZAMA	255	45	90	16	14.50 (M12)	M16	SA403015
FEET BASE PROFILE 45X90	ZAMA	247	45	90	16	14.50 (M12)	M10	SA403016

5.3 *FEET AND WHEELS FIXING FLANGE*



DESCRIPTION	*MATERIAL*	*WEIGHT (g)*	A (mm)	B (mm)	C (mm)	D (mm)	M	*CODE*
FEET BASE PROFILE 80X80	ZAMA	483	80	80	16	9 (M8)	M8	SA403017
FEET BASE PROFILE 80X80	ZAMA	436	80	80	16	9 (M8)	M10	SA403018
FEET BASE PROFILE 80X80	ZAMA	433	80	80	16	9 (M8)	M12	SA403019
FEET BASE PROFILE 80X80	ZAMA	425	80	80	16	9 (M8)	M16	SA403020
FEET BASE PROFILE 90X90	ZAMA	522	90	90	16	9 (M8)	M10	SA403021
FEET BASE PROFILE 90X90	ZAMA	520	90	90	16	9 (M8)	M12	SA403022
FEET BASE PROFILE 90X90	ZAMA	516	90	90	16	9 (M8)	M16	SA403023
FEET BASE PROFILE 90X90	*TUMBLED ALUMINUM*	300	90	90	15	10.50 (M10)	M10	SA403024
FEET BASE PROFILE 90X90	*TUMBLED ALUMINUM*	296	90	90	15	10.50 (M10)	M12	SA403025
FEET BASE PROFILE 90X90	*TUMBLED ALUMINUM*	290	90	90	15	10.50 (M10)	M16	SA403026
FEET BASE PROFILE 90X90	ZAMA	482	90	90	16	10.50 (M12)	M10	SA403027
FEET BASE PROFILE 90X90	ZAMA	480	90	90	16	10.50 (M12)	M12	SA403028
FEET BASE PROFILE 90X90	ZAMA	471	90	90	16	10.50 (M12)	M16	SA403029

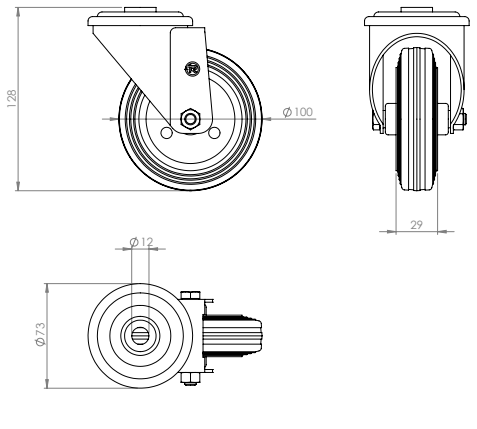
5.4 *PLASTIC FEET WITH STEEL SWIVEL 30°*



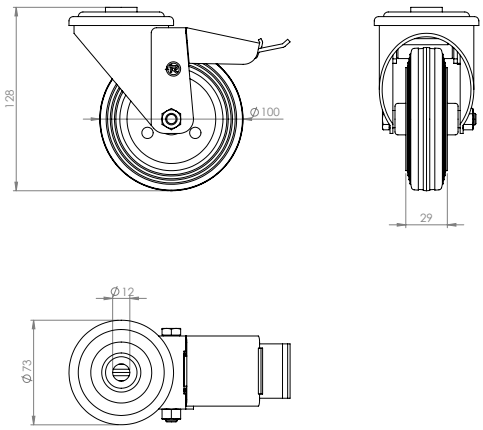
* Anchorable to the ground with M8 screw (after drilling)

DESCRIPTION	DIMENSION (mm)								STATIC LOAD (N)	CODE	
	A mm	B mm	D mm	KEY mm	F mm	G mm	H mm	H1 mm		STANDARD	ANTISLIP
BASE Ø 40 M8x75	27	75	40	12	M8	16,5	102	105	10000	SA404001	SA404002
BASE Ø 40 M10x100	27	100	40	12	M10	16,5	127	130	10000	SA404003	SA404004
BASE Ø 40 M12x100	27	100	40	12	M12	16,5	127	130	10000	SA404005	SA404006
BASE Ø 65 M10x100	33	100	65	14	M10	23	133	136	11000	SA404007	SA404008
BASE Ø 65 M12x100	33	100	65	14	M12	23	133	136	11000	SA404009	SA404010
BASE Ø 65 M16x100	33	100	65	16	M16	23	133	136	15000	SA404011	SA404012
BASE Ø 83 M10x100	38	100	83	14	M10	27	138	141	15000	SA404013*	SA404014*
BASE Ø 83 M12x100	38	100	83	14	M12	27	138	141	15000	SA404015*	SA404016*
BASE Ø 83 M16x100	38	100	83	16	M16	27	138	141	20000	SA404017*	SA404018*

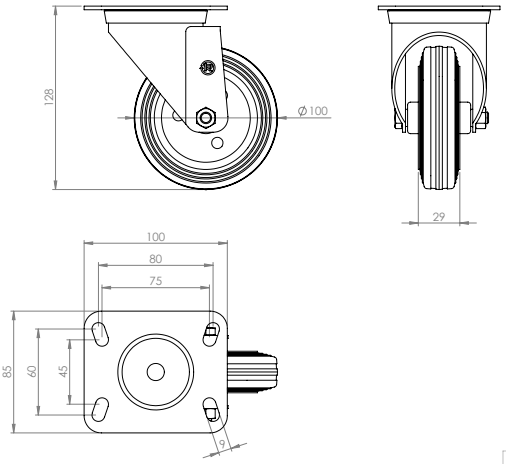
5.5 *CASTOR*



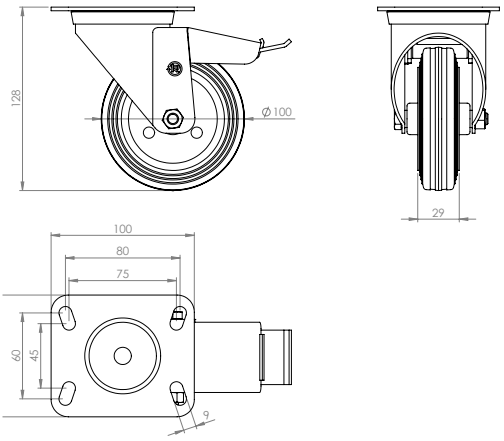
SA405001



SA405002



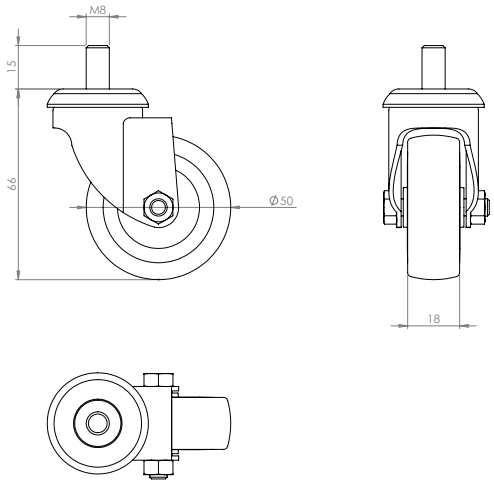
SA405003



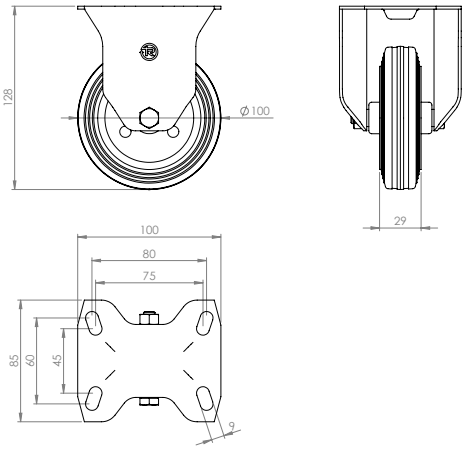
SA405004

DESCRIPTION	*MATERIAL*	*WEIGHT (g)*	*LOAD*	*CODE*
SWEIVEL CASTOR Ø 100	*STEEL/RUBBER*	740	800 N	SA405001
SWEIVEL CASTOR Ø 100 AND BRAKE	*STEEL/RUBBER*	940	800 N	SA405002
CASTOR Ø 100 WITH SWEIVEL PLATE	*STEEL/RUBBER*	820	800 N	SA405003
CASTOR Ø 100 WITH BRAKE AND SWEIVEL PLATE	*STEEL/RUBBER*	1000	800 N	SA405004

5.5 CASTOR



SAMA 1324



SAMA 1329

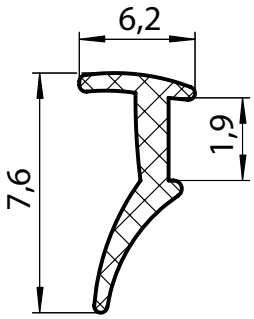
DESCRIPTION	MATERIAL	WEIGHT (g)	LOAD (4 Km/h)	CODE
SWEIVEL CASTOR Ø 50 AND M8 PIN	STEEL/RUBBER	180	350 N	SA405005
CASTOR Ø 100 WITH FIXED PLATE	STEEL/RUBBER	620	800 N	SA405006



6

PANEL INSTALLATION ACCESSORIES

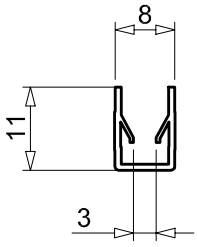
6.1 *GASKET SERIES 20 SLOT A*



PANEL THICKNESS (mm)	COLOUR	MATERIAL	WEIGHT (g)	CODE
2-3	BLACK	TPE RUBBER	16	SA501001

6.2 *GASKET SERIES 30 SLOT B*

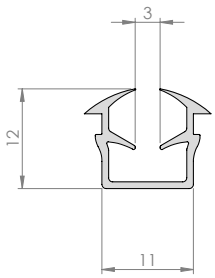




PANEL THICKNESS (mm)	COLOUR	MATERIAL	WEIGHT (g)	CODE
3	BLACK	TPE RUBBER	64	SA501002
4	BLACK	TPE RUBBER	50	SA501003
5	BLACK	TPE RUBBER	50	SA501004
NET DIAMETER 3 mm	BLACK	HARD PVC	44	SA501005

6.3 GASKET SERIES 30 SLOT C

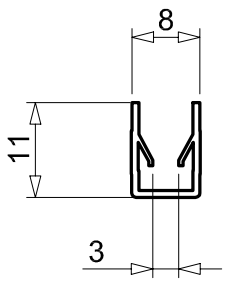




PANEL THICKNESS (mm)	COLOUR	MATERIAL	WEIGHT (g)	CODE
3	BLACK	SOFT PVC	96	SA501006N
3	GREY	SOFT PVC	96	SA501006G
4	BLACK	SOFT PVC	96	SA501006N
4	GREY	SOFT PVC	96	SA501006G
5	BLACK	SOFT PVC	57	SA501007N
5	GREY	SOFT PVC	57	SA501007G
6	BLACK	SOFT PVC	57	SA501007N
6	GREY	SOFT PVC	57	SA501007G
NET DIAMETER 3 mm	BLACK	HARD PVC	54	SA501008N
NET DIAMETER 3 mm	GREY	HARD PVC	54	SA501008G

6.4 GASKET SERIES 40 SLOT D

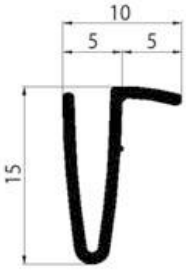


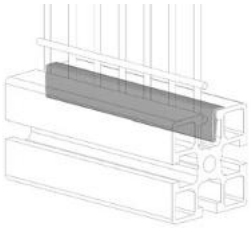


PANEL THICKNESS (mm)	COLOUR	MATERIAL	WEIGHT (g)	CODE
3	BLACK	TPE RUBBER	50	SA501009
4	BLACK	TPE RUBBER	50	SA501010
5	BLACK	TPE RUBBER	34	SA501011
NET DIAMETER 3 mm	BLACK	HARD PVC	44	SA501005

6.5 GASKET SERIES 45 SLOT E



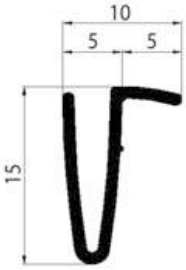


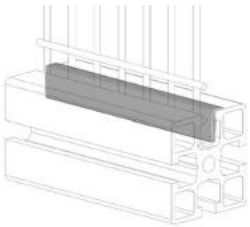


PANEL THICKNESS (mm)	COLOUR	MATERIAL	WEIGHT (g)	CODE
3	BLACK	TPE RUBBER	50	SA501009
4	BLACK	TPE RUBBER	50	SA501010
5	BLACK	TPE RUBBER	34	SA501011
NET DIAMETER 3 MM	GREY	HARD PVC	58,5	SA501012

6.6 GASKET SERIES 45 SLOT F

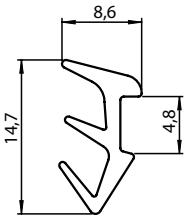


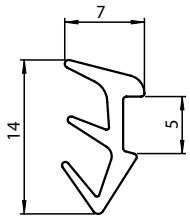


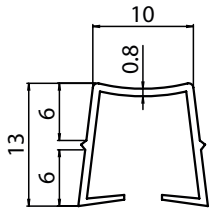


PANEL THICKNESS (mm)	COLOUR	MATERIAL	WEIGHT (g)	CODE
3	BLACK	TPE RUBBER	50	SA501009
4	BLACK	TPE RUBBER	50	SA501010
5	BLACK	TPE RUBBER	34	SA501011
NET DIAMETER 3 MM	GREY	HARD PVC	58,5	SA501012

6.7 GASKET SERIES 45 SLOT G

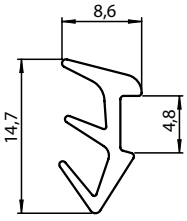


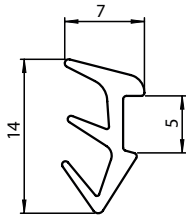


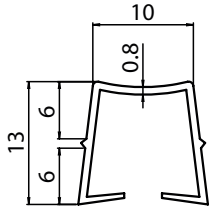


PANEL THICKNESS (mm)	COLOUR	MATERIAL	WEIGHT (g)	CODE
4	BLACK	TPE RUBBER	53	SA501013
5	BLACK	TPE RUBBER	53	SA501013
6	BLACK	HARD PVC	40	SA501014
NET DIAMETER 3 MM	BLACK	HARD PVC	34	SA501015

6.8 GASKET SERIES 45 SLOT H

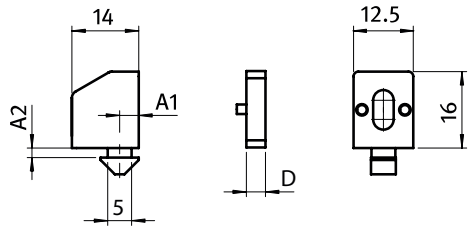


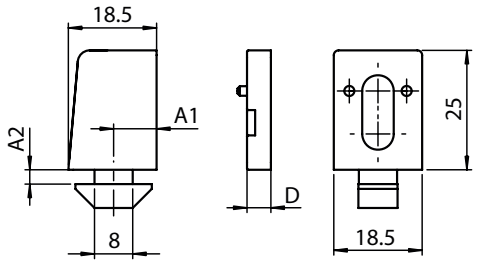




PANEL THICKNESS (mm)	COLOUR	MATERIAL	WEIGHT (g)	CODE
4	BLACK	TPE RUBBER	53	SA501013
5	BLACK	TPE RUBBER	53	SA501013
6	BLACK	HARD PVC	40	SA501014
NET DIAMETER 3 MM	BLACK	HARD PVC	34	SA501015

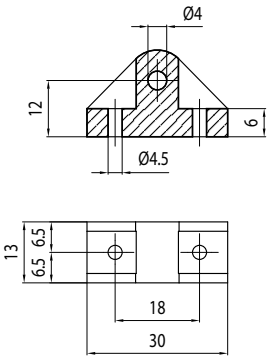
6.9 *PANEL INSTALLATION ELEMENTS*





SLOT	SCREW	DIMENSION (mm)			WEIGHT (g)	CODE
		A1	A2	D		
A	M4	4	1,6		2,6	SA502001
				1	0,5	SA502002*
				2	0,8	SA502003*
				3	1,3	SA502004
				4	1,8	SA502005
B	M4	7	1,9		8,3	SA502006
B	M5	7	1,9		8,4	SA502007
B	M6	7	1,9		8,6	SA502008
				2	1	SA502009*
				3	1,2	SA502010
				5	2,1	SA502011

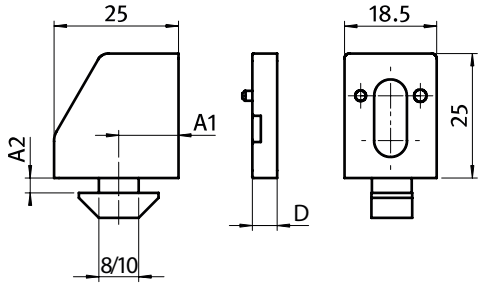
*Not overlapping





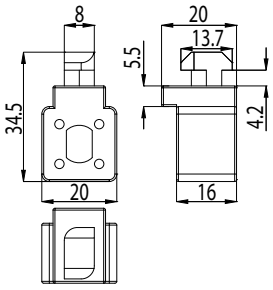
SLOT	SCREW	DESCRIPTION	MATERIAL	WEIGHT (g)	CODE
C	M5	*SCREEN STOPPER*	*GREY POLYAMIDE*	4	SA502012
		WASHER	*GREY POLYAMIDE*	1	SA502013

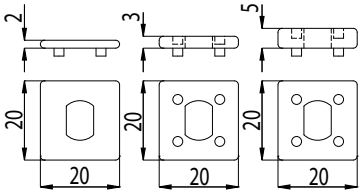
6.9 *PANEL INSTALLATION ELEMENTS*



SLOT	SCREW	DIMENSION (mm)			WEIGHT (g)	CODE
		A1	A2	D		
D	M4	12	4,4		9,8	SA502014
D	M5	12	4,4		9,7	SA502015
D	M6	12	4,4		9,6	SA502016
F	M4	14	4,6		10	SA502017
F	M5	14	4,6		9,9	SA502018
F	M6	14	4,6		9,8	SA502019
H	M4	14	6		10,4	SA502020
H	M5	14	6		10,3	SA502021
H	M6	14	6		10,2	SA502022
				2	1	SA502009*
				3	1,2	SA502010
				5	2,1	SA502011

*Not overlapping

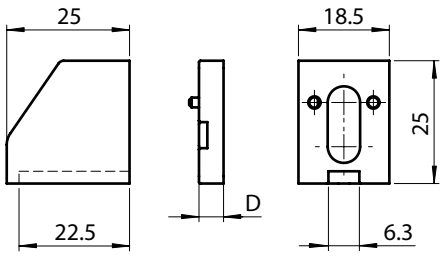




SLOT	SCREW	COLOUR	MATERIAL	WEIGHT (g)	CODE
E	M6	*GREY POLYAMIDE*		10	SA502023
		BLACK POLYAMIDE	2	1	SA502024*
		BLACK POLYAMIDE	3	1	SA502025
		BLACK POLYAMIDE	5	2	SA502026

*Not overlapping

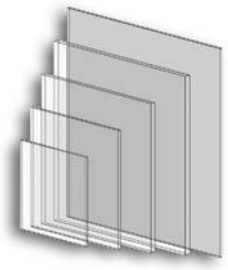
6.9 *PANEL INSTALLATION ELEMENTS*



SLOT	*SCREW*	*MATERIAL*	D (mm)	*WEIGHT (g)*	*CODE*
UNIVERSAL	M4	NYLON PA		10	SA502027
	M5	NYLON PA		10	SA502028
	M6	NYLON PA		10	SA502029
			2	1	SA502009*
			3	1,2	SA502010
			5	2,1	SA502011

*Not overlapping

6.10 *PANEL TYPES - POLYCARBONATE*

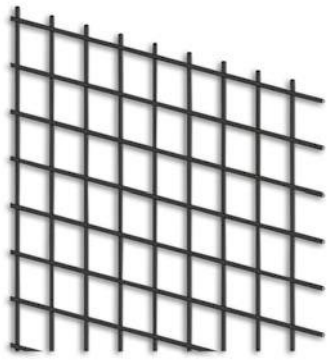


COLOUR	*THICKNESS (mm)*	*PANEL MAX DIMENSIONS (mm)*	*WEIGHT (Kg/m$_2$)*	*CODE*
TRANSPARENT	3	2050x3050	3,6	SAL 3
TRANSPARENT	4	2050x3050	4,8	SAL 4
TRANSPARENT	5	2050x3050	6	SAL 5
FUME*	3	2050x3050	3,6	SAL 3F
FUME*	4	2050x3050	4,8	SAL 4F

6.12 *GALVANIZED AND PAINT ELECTROWELDED NET*



SARZ-SARZAQ



SARV

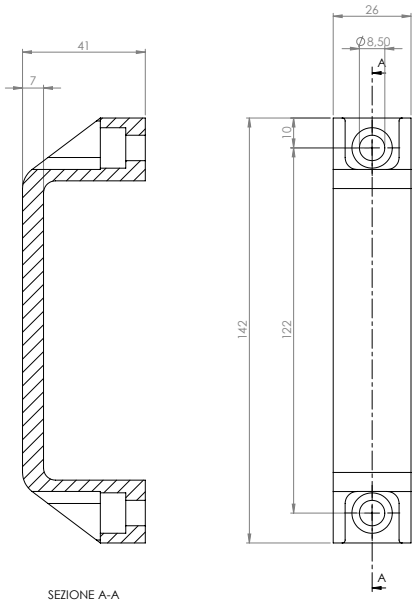
DESCRIPTION	*COLOUR*	*D WIRE*	*PANEL MAX DIMENSIONS (mm)*	*WEIGHT (Kg/m²)*	*CODE*
GALVANIZED ELECTROWELDED NET TEC 15X105	*ZINC PLATED STEEL*	Ø 3 mm	1240x2400	4,9	SARZ
GALVANIZED ELECTROWELDED NET TEC 15X105	*ZINC PLATED STEEL*	Ø 3 mm	1240x2400	4,9	SARZAQ
PAINTED NET 30X30	*YELLOW RAL1018*	Ø 3 mm	1200x2400 /1000x2000	3,8	SARV



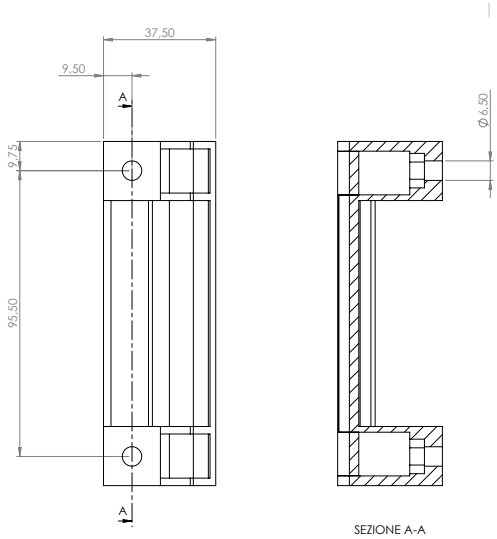
7

DOORS AND PANELS ACCESSORIES

7.1 *HANDLES*



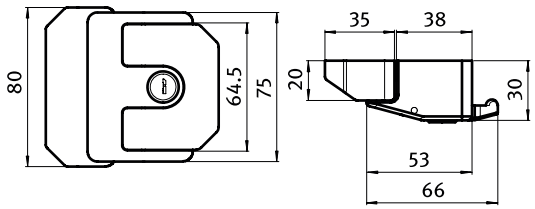
SA601001

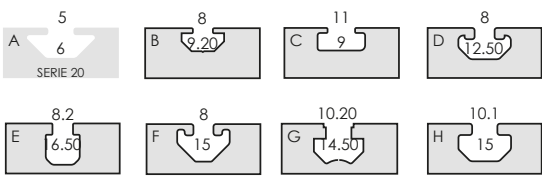


SA601002

DESCRIPTION	MATERIAL	*WEIGHT (g)*	*CODE*
HANDLES	PA	44	SA601001
SAFETY HANDLES	PA	33	SA601002

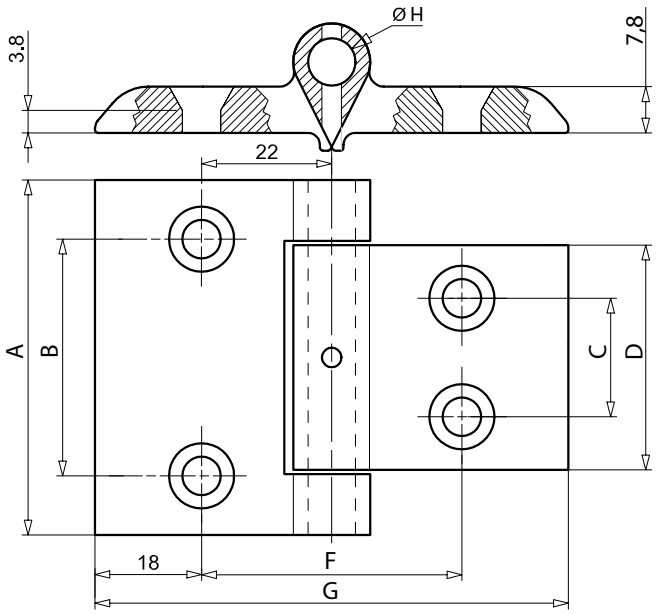
7.2 *LOCKS*





DESCRIPTION	MATERIAL	*WEIGHT (g)*	*CODE*
KEY LOCK	*ZINC PLATED STEEL*	560	SA601003

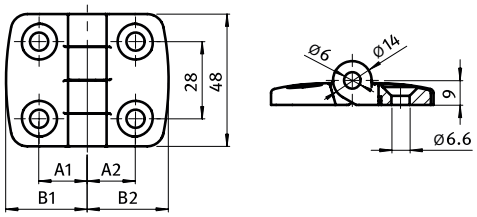
7.3 *HINGES*



*HINGE FOR PIN D.8 mm MICRO

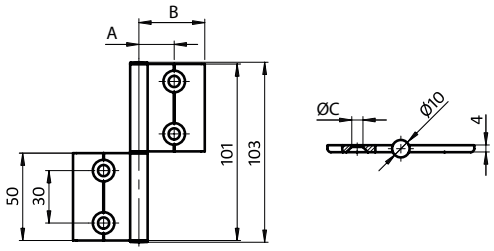
DESCRIPTION	DIMENSION (mm)								CODE
	A	B	C	D	E	F	G	H	
HINGE FOR FRAME PROFILES	60	44	20	38	17	31	60	7	SA602001
HINGE FOR FRAME PROFILES	60	44	20	38	17	31	60	8	SA602002*
HINGE FOR 30X30 PROFILES	60	40	20	38	17	34	60	7	SA602003
HINGE FOR 40X30 PROFILES	60	40	20	38	22	39	70	7	SA602004
HINGE FOR 40X40 PROFILES	60	40	20	38	22	44	80	7	SA602005
HINGE FOR 40X40 PROFILES	60	40	20	38	22	44	80	8	SA602006*
HINGE FOR 40 X PROFILES	60	40	20	38	22	36,25	69,8	7	SA602007
HINGE FOR 40 X PROFILES	60	40	20	38	22	36,2	69,8	8	SA602008*
HINGE FOR 45X45 PROFILES	60	40	20	38	24,5	49	80	7	SA602009
HINGE FOR 45X45 PROFILES	60	40	20	38	24,5	49	80	8	SA602010*

7.3 *HINGES*



DESCRIPTION	MATERIAL	*DIMENSION (mm)*				*WEIGHT (g)*	*CODE*
		A1	A2	B1	B2		
HINGES FOR 30X30 PROFILES	*ANODIZED ALUMINUM*	17,5	17,5	29,5	29,5	65	SA602011
HINGES FOR 30X40 PROFILES	*ANODIZED ALUMINUM*	17,5	22,5	29,5	36	67	SA602012
HINGES FOR 30X45 PROFILES	*ANODIZED ALUMINUM*	17,5	25	29,5	43,5	69	SA602013
HINGES FOR 40X40 PROFILES	*ANODIZED ALUMINUM*	22,5	22,5	36	36	71	SA602014
HINGES FOR 40X45 PROFILES	*ANODIZED ALUMINUM*	22,5	25	36	43,5	71	SA602015
HINGES FOR 45X45 PROFILES	*ANODIZED ALUMINUM*	25	25	43,5	43,5	73	SA602016

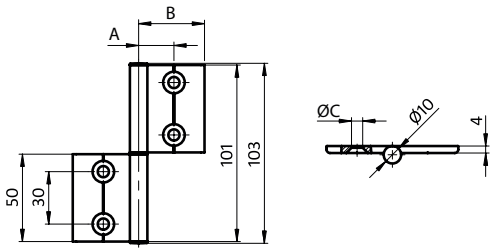
7.4 *INNER HINGES*



*CAN BE SUPPLIED WITH STAINLESS STEEL JOURNAL AND PLASTIC CAP

DESCRIPTION	*MATERIAL*	DIMENSIONI (mm) *DIMENSION (mm)*			*WEIGHT (g)*	*CODE*
		A	B	C		
HINGE FOR 30X30	*ANODIZED ALUMINUM*	19,5	32	Ø 6,4	20	SA602017
HINGE FOR 40X40	*ANODIZED ALUMINUM*	25	42	Ø 6,4	25,3	SA602018
HINGE FOR 45X45	*ANODIZED ALUMINUM*	27	47	Ø 6,4	28	SA602019

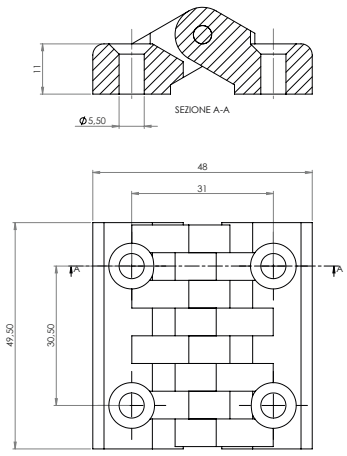
7.5 *OUTER HINGES*



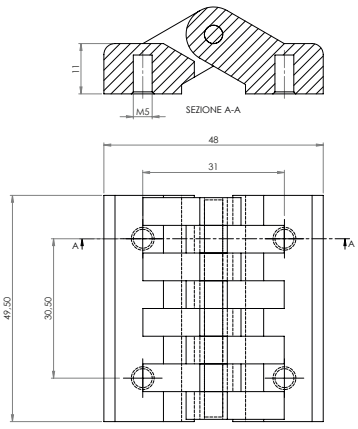
*CAN BE SUPPLIED WITH STAINLESS STEEL JOURNAL AND PLASTIC CAP

DESCRIPTION	MATERIAL	DIMENSION (mm)			WEIGHT (g)	CODE
		A	B	C		
HINGE FOR 30X30	ANODIZED ALUMINUM	15,2	27,7	Ø 6,4	18,2	SA602020
HINGE FOR 40X40	ANODIZED ALUMINUM	20,2	37,7	Ø 6,4	23,6	SA602021
HINGE FOR 45X45	ANODIZED ALUMINUM	22,7	42,7	Ø 6,4	26,3	SA602022

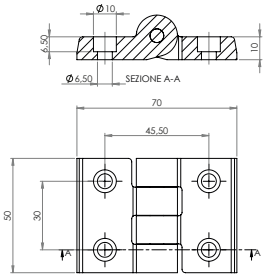
7.6 *HINGES*



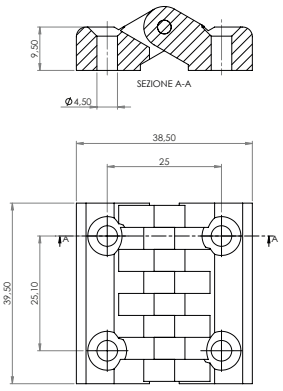
SA609001



SA609002



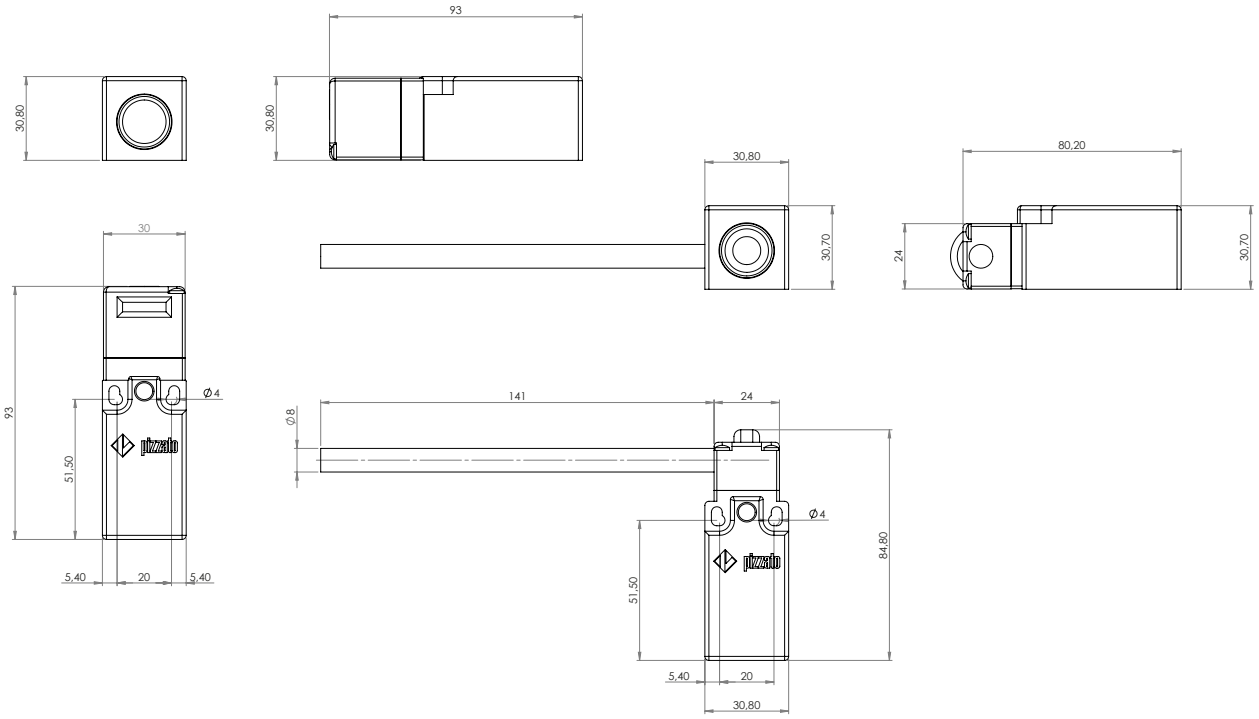
SA609003



SA609004

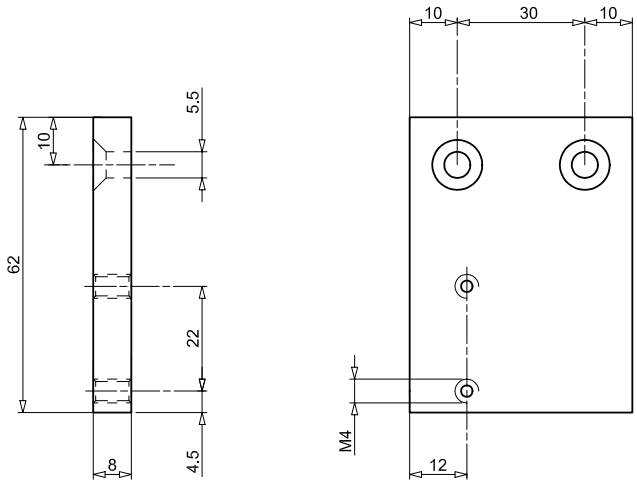
DESCRIPTION	MATERIAL	CODE
HINGE	STAINLESS STEEL-BLACK POLYAMIDE	SA609001
HINGE	STAINLESS STEEL-BLACK POLYAMIDE	SA609002
HINGE	STAINLESS STEEL-BLACK POLYAMIDE	SA609003
HINGE	STAINLESS STEEL-BLACK POLYAMIDE	SA609004

7.7 *DOOR SECURITY SWITCHES*



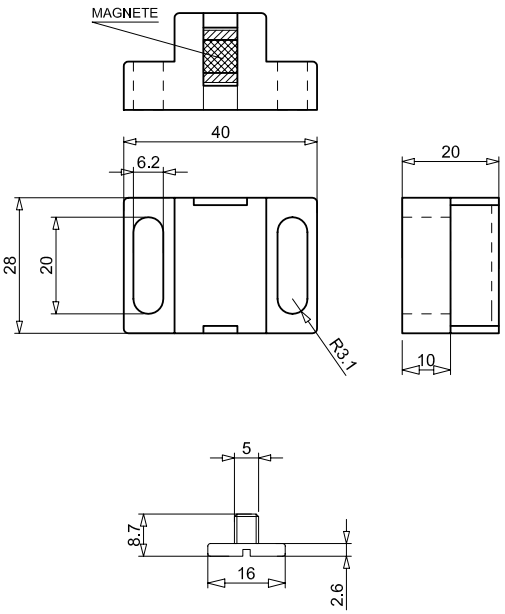
DESCRIPTION	*CODE*
KEY MICRO SWITCH	SA603001
D8 PIN MICRO SWITCH	SA603002

7.8 *SUPPORT FOR DOOR SECURITY SWITCHES*

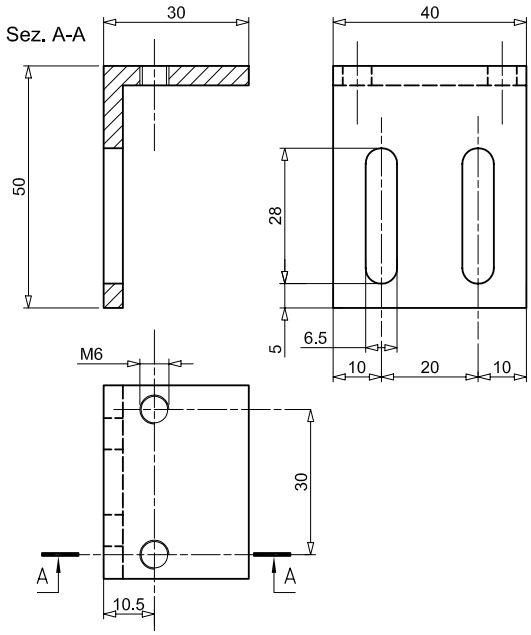


DESCRIPTION	*MATERIAL*	*CODE*
SUPPORT FOR KEY MICRO SWITCH	*TUMBLED ALUMINUM*	SA603003

7.9 *DOOR STOP*



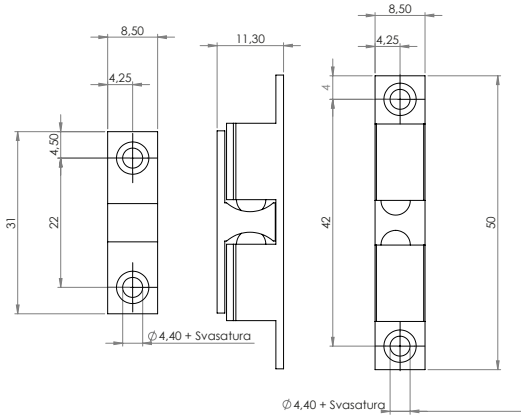
SA604001



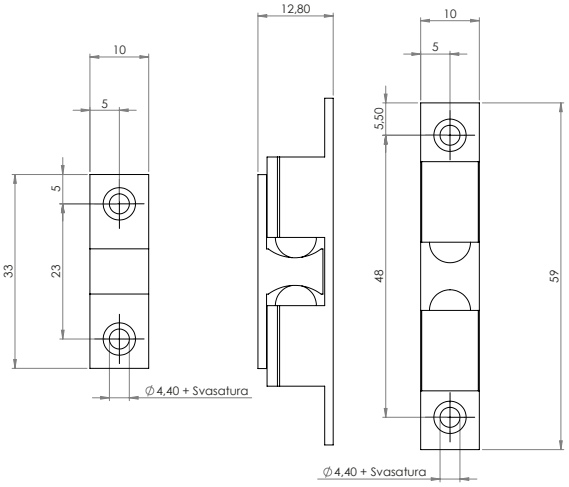
SA604002

DESCRIPTION	MATERIAL	CODE
MAGNET		SA604001
MAGNET SUPPORT	ANODIZED ALUMINUM	SA604002

7.10 *DOOR STOP*



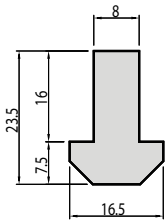
SA604003



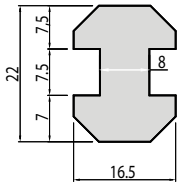
SA604004

DESCRIPTION	MATERIAL	CODE
DOOR STOP 9X49	BRASS	SA604003
DOOR STOP 12X57	BRASS	SA604004

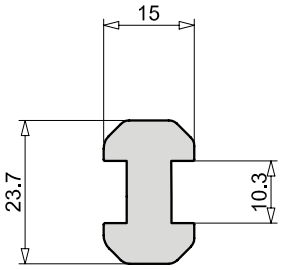
7.11 *MULTIPURPOSE PROFILE SERIES 30 SLOT B*



SA605001



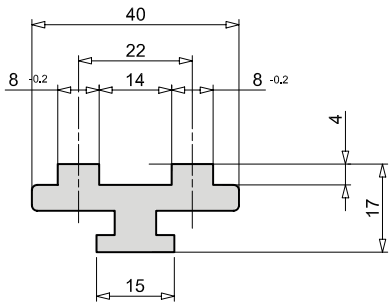
SA605002



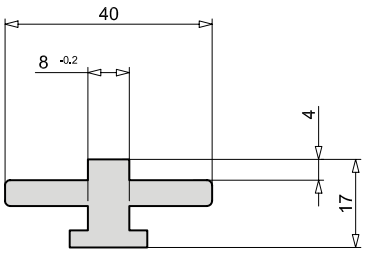
SA605003

DESCRIPTION	MATERIAL	LENGTH (mm)	WEIGHT (gr/m)	CODE
30 SLIDING GUIDE	BLACK POLYETHYLENE	2	258	SA605001
30 SLIDING GUIDE	BLACK POLYETHYLENE	2	293	SA605002
30-30 AND 30-40 SLIDING GUIDE	BLACK POLYETHYLENE	3	233	SA605003

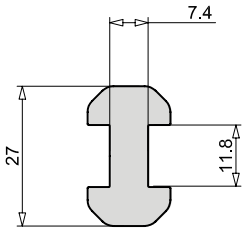
7.12 *MULTIPURPOSE PROFILE SERIES 40 SLOT D*



SA605004



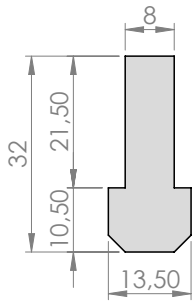
SA605005



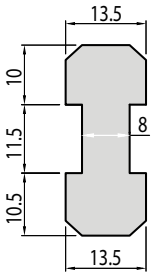
SA605006

DESCRIPTION	MATERIAL	LENGTH (mm)	WEIGHT (gr/m)	CODE
40 SLIDING GUIDE WITH 2 20X32	BLACK POLYETHYLENE	3	333	SA605004
40 SLIDING GUIDE WITH 20X32	BLACK POLYETHYLENE	3	300	SA605005
40 WITH 40 SLIDING GUIDE	BLACK POLYETHYLENE	3	300	SA605006

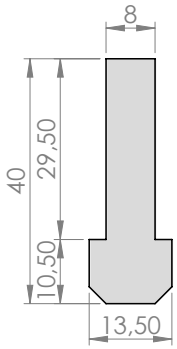
7.13 *MULTIPURPOSE PROFILE SERIES 45 SLOT E*



SA605007



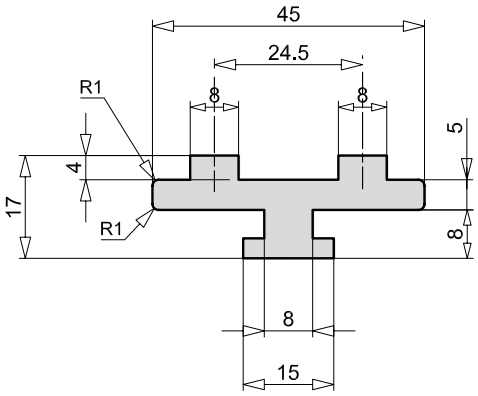
SA605008



SA605009

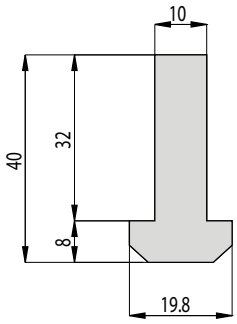
DESCRIPTION	MATERIAL	LENGTH (mm)	WEIGHT (gr/m)	CODE
SLIDING GUIDE	BLACK POLYETHYLENE	2	605	SA605007
SLIDING GUIDE	BLACK POLYETHYLENE	2	390	SA605008
SLIDING GUIDE	BLACK POLYETHYLENE	2	718	SA605009

7.14 *MULTIPURPOSE PROFILE SERIES 45 SLOT F*

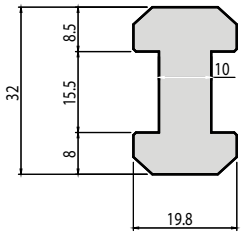


DESCRIPTION	MATERIAL	LENGTH (mm)	WEIGHT (gr/m)	CODE
SLIDING GUIDE SLOT F	BLACK POLYETHYLENE	3	444	SA605010

7.15 *MULTIPURPOSE PROFILE SERIES 45 SLOT G*



SA605011



SA605012

DESCRIPTION	*MATERIAL*	*LENGTH (mm)*	*WEIGHT (gr/m)*	*CODE*
SLIDING GUIDE	*BLACK POLYETHYLENE*	2	750	SA605011
SLIDING GUIDE	*BLACK POLYETHYLENE*	2	503	SA605012

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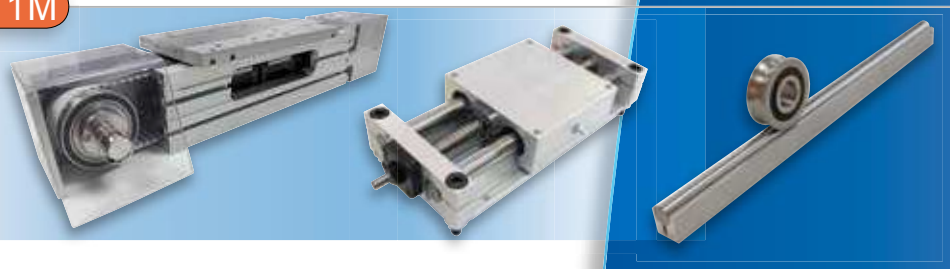
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