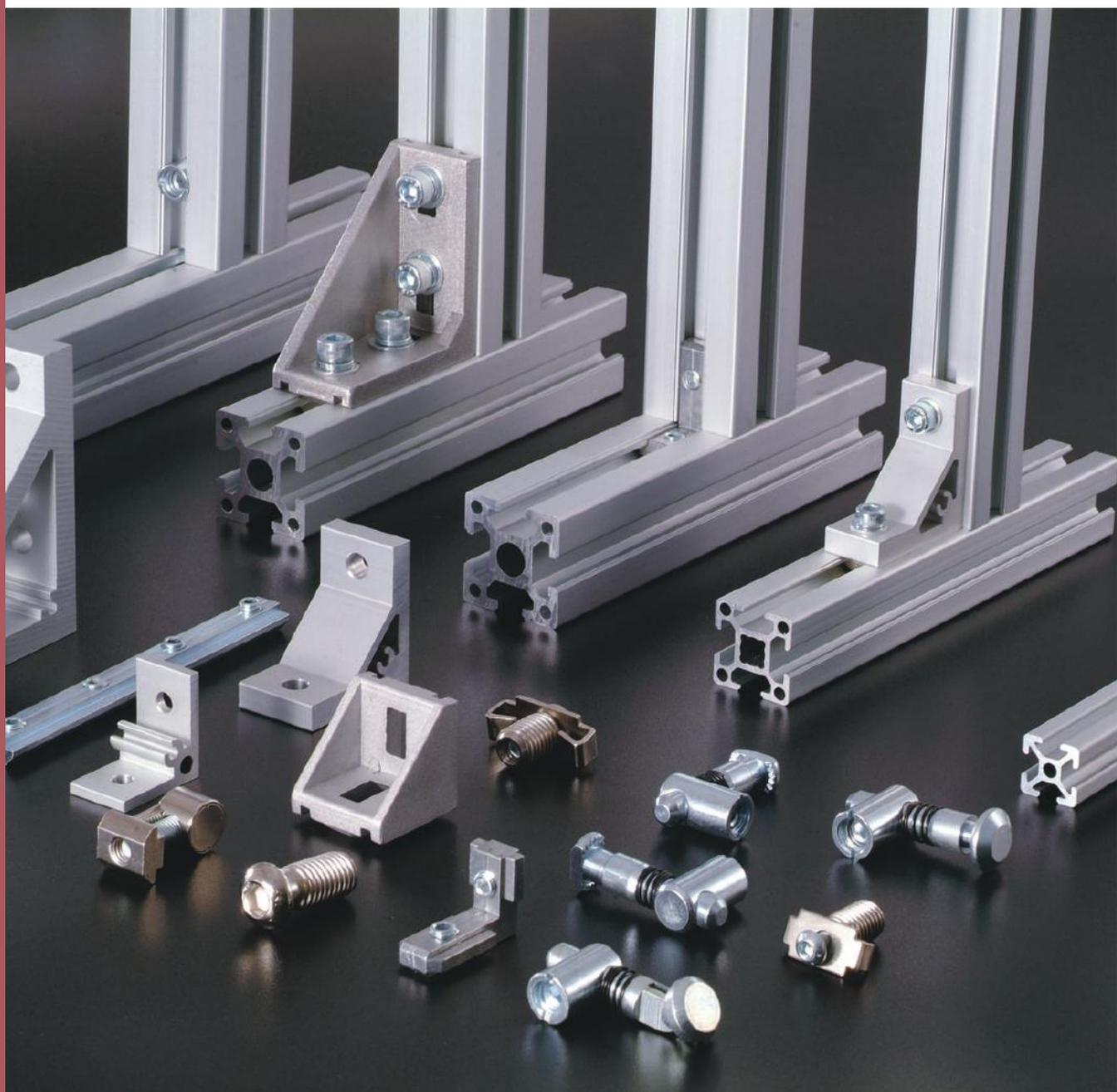


Modular Assembly System

 **alutipo**

Sistema de Ensamble Modular
Modular Assembly System



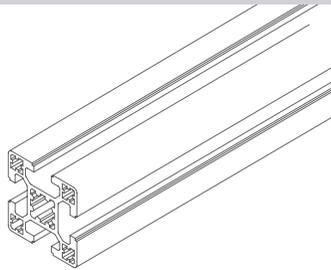


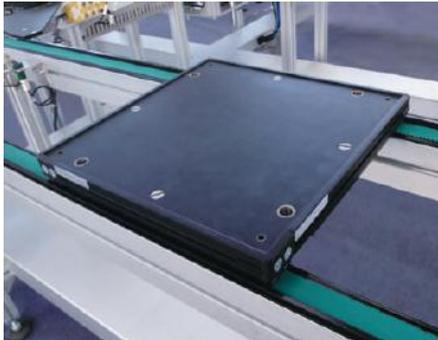
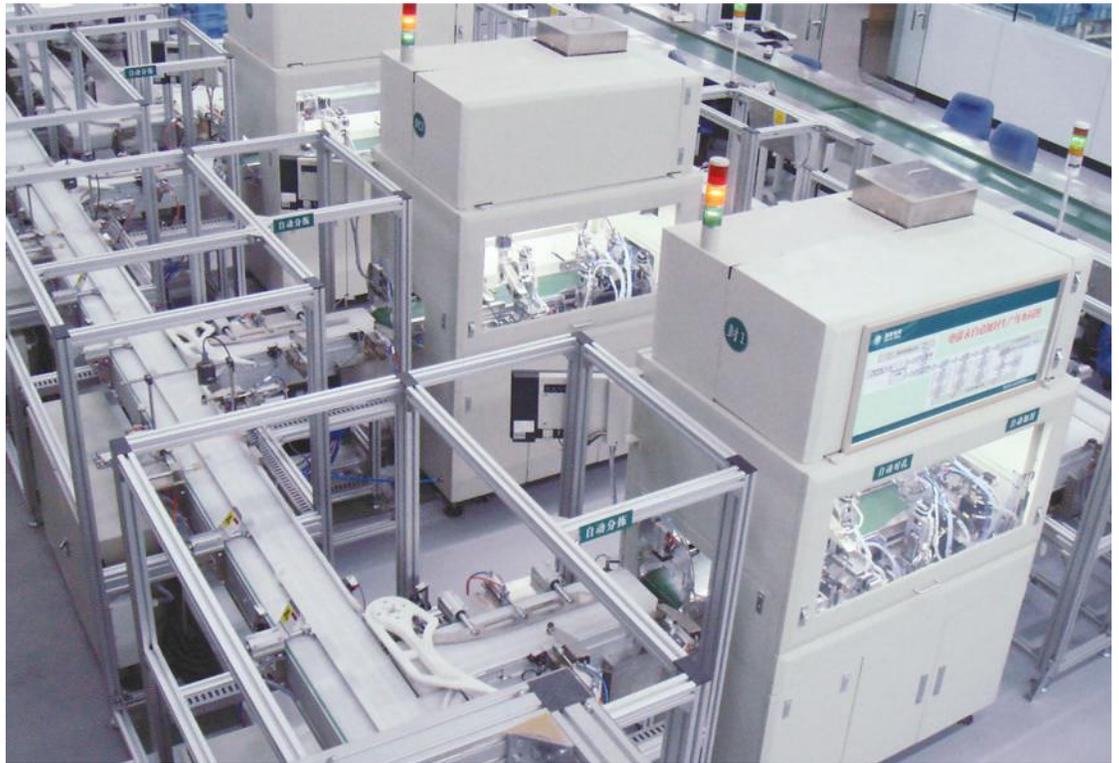
Sistema de Ensamble Modular

Modular Assembly System

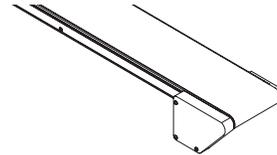


Sistema de Ensamble Modular



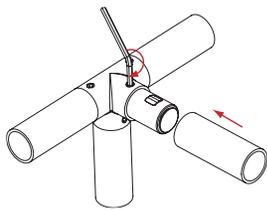


Sistema de Transportadores Modulares





Sistema de Plataformas y Escaleras

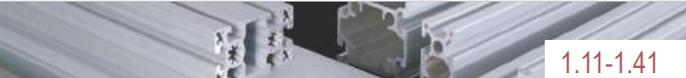




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Código de Maquinado de Perfiles



Dowel bore



Inner connect bore



Screw thread bore



Cross bore



Angle cut



1.11-1.41

Perfiles de Aluminio
Strut Profile

Perfiles de Fijación
Clamping Profile

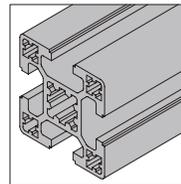
Perfiles para Cerramientos de Seguridad
Protective Grille Profile

Perfiles Ángulo
Angle Profile

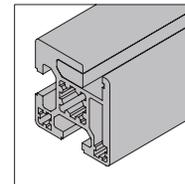
Perfiles Especiales
Special Profile

1

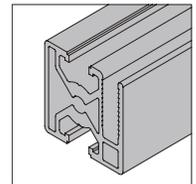
Perfiles de Aluminio
Aluminium Profile



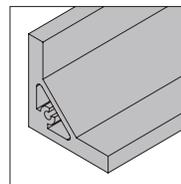
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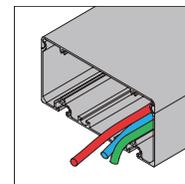
1.21



1.22



1.31



1.41

Información Técnica
Technical Data

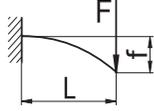
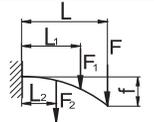
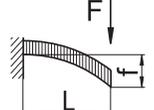
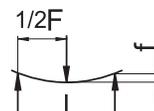
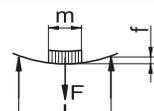
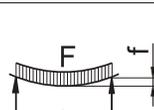
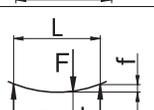
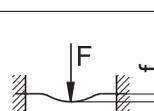
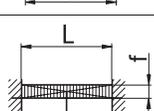
Perfil de aluminio extruido según norma GB5237-2008, superficie anodizada, espesor de capa mínimo $\geq 11\mu$
 El largo estándar de los perfiles es de 5800mm.

Tensión de rotura / *Tensile Strength*: min.260N/mm²
 Tensión de fluencia / *Yield Strength*: min.240N/mm²
 Deformación / *Elongation*: 8%(T \leq 3.2mm) or 10%(T>3.2~25.0mm)
 Módulo de elasticidad / *E-Module*: approx.70,000N/mm²
 Dureza Brinell / *Brinell Hardness*: HB 75 2.5/187.5
 Espesor capa / *Coat Thickness*: $\geq 11\mu$

Resistencia a la flexión / Bending Strength

Para los cálculos de flexión, se deberán considerar las fórmulas siguientes:

f (mm): Flecha
 F (N): Tipo de carga
 L (mm): Largo del perfil
 I (cm⁴): Momento de inercia
 E (N/mm²): Módulo de elasticidad

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

Método aproximado para determinación de la flecha

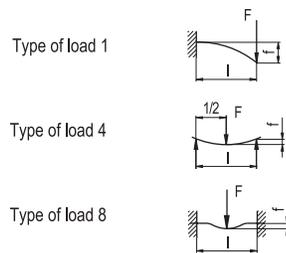
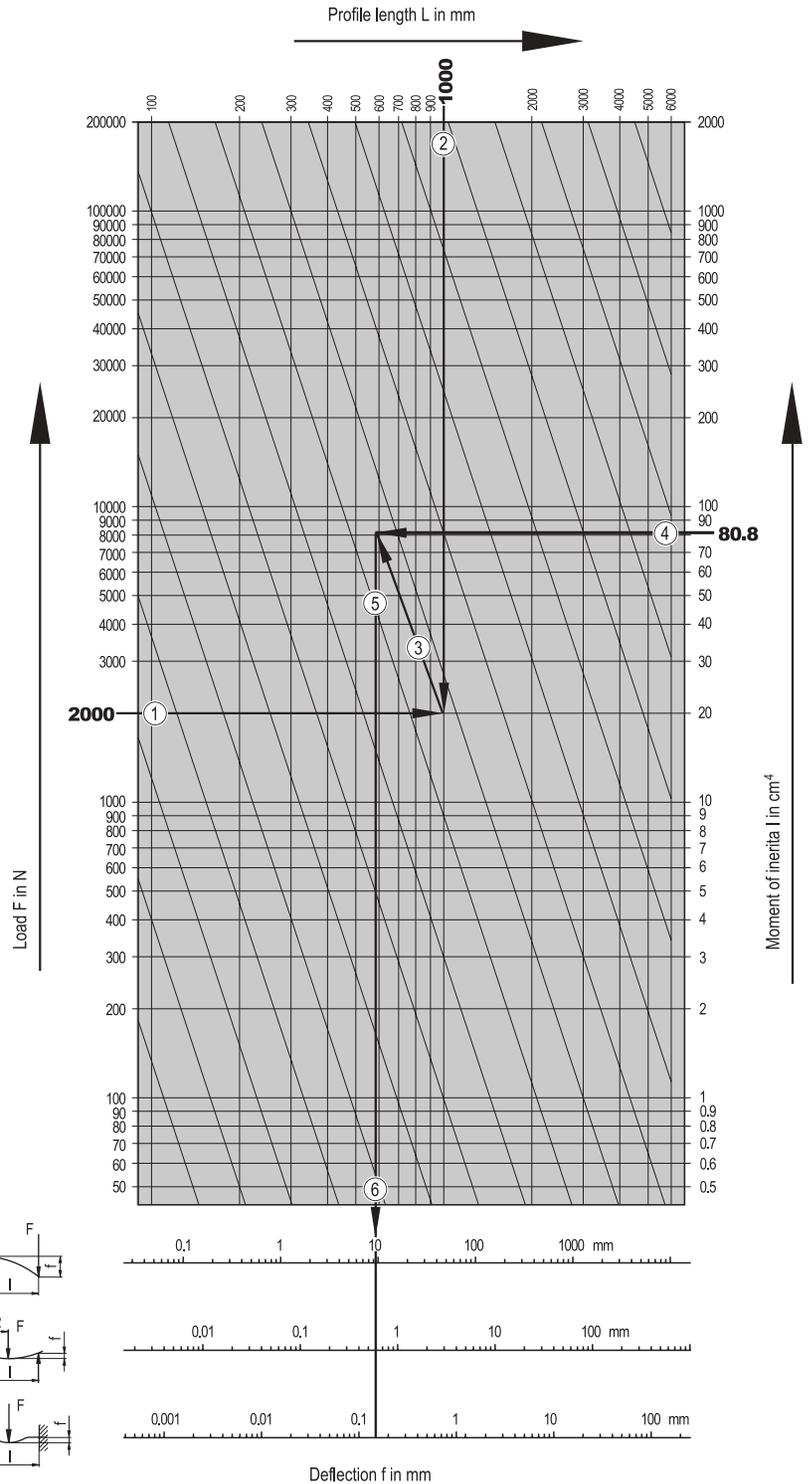
Approximate determination of deflection

1. Tipo de carga F (N)
2. Largo del perfil L (mm)
3. Trazar una diagonal por la intersección entre 1 y 2
4. Momento de inercia del perfil seleccionado I (cm⁴)
5. Trazar una vertical por la intersección entre 3 y 4
6. Flecha f para el tipo de carga específico (mm)

Ejemplo:

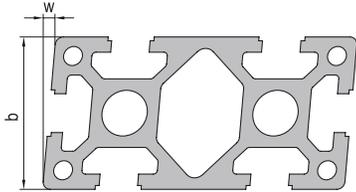
1. $F = 2000\text{ N}$
2. $L = 1000\text{ mm}$
3. Traza diagonal por la intersección entre 1 y 2
4. $I = 80\text{ cm}^4$ para el perfil 40x80 (1.11.40.040080.06H)
5. Trazar una vertical por la intersección entre 3 y 4
6. Flecha f para el tipo de carga específico (mm)

- Tipo de carga 1: $f = 9,5\text{ mm}$
- Tipo de carga 4: $f = 0,6\text{ mm}$
- Tipo de carga 8: $f = 0,15\text{ mm}$



Tolerancias del perfil extruido
Extruded Profile Tolerances

Tolerancia de Paralelismo
Parallelism Tolerance

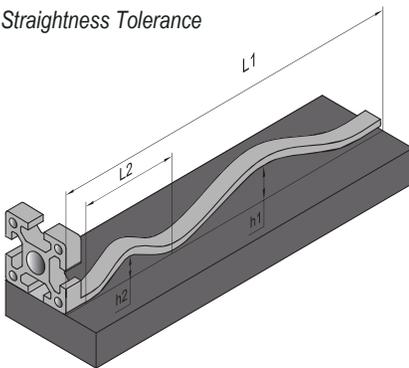


La desviación de paralelismo w se refiere a la distancia entre dos planos verticales que pasan por los vértices de una arista inclinada del perfil.

En función del ancho b del perfil, la tolerancia de paralelismo se indica en la tabla siguiente:

b (mm)	w (mm)
≤ 40	0.3
$>40\sim 80$	0.5
$>80\sim 180$	1.0

Tolerancia de Rectitud
Straightness Tolerance



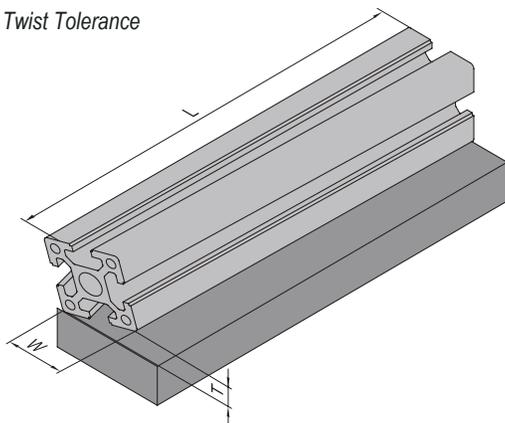
Para medir la desviación de rectitud h , el perfil se debe apoyar sobre una superficie horizontal. La tolerancia de rectitud h tiene dos condiciones:

- En cualquier posición del perfil, para una distancia $L2$ de 300mm, la altura $h2$ de desviación deberá ser menor o igual que 0,3mm.

- Para el largo total del perfil $L1$, la altura $h1$ de desviación deberá ser menor o igual que los valores indicados en la tabla siguiente:

$L1$ (m)	1	2	3	4	5	6
$h1$ (mm)	0.7	1.4	2.1	2.8	3.5	4.2

Tolerancia de Torsión
Twist Tolerance



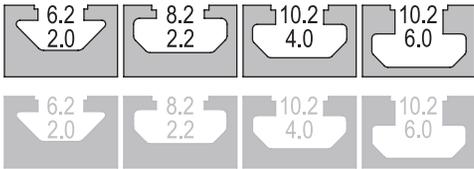
Para medir la desviación de torsión T , el perfil se debe apoyar sobre una superficie horizontal y uno de los extremos se debe fijar haciendo contacto con el plano.

La desviación de torsión T es la mayor distancia que existe desde el perfil al plano medida en el otro extremo del perfil. En función del ancho W y el largo L del perfil, la tolerancia a la torsión se puede calcular según la siguiente tabla:

W (mm)	T (mm)	
	$L\leq 1m$	$L>1m$
≤ 40	$0.052xW$	$0.123xW$
$>40\sim 80$	$0.026xW$	$0.087xW$
$80\sim 180$	$0.017xW$	$0.052xW$

Simbología de la ranura tipo T
T Slot Symbol

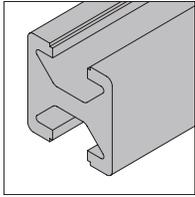
La simbología se utiliza para identificar los componentes y accesorios que son compatibles con la ranura tipo T del perfil seleccionado.



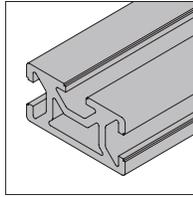
T Slot Symbol	Cross Section	Core Hole Φ	Slot Width	Slot Depth	Wall Thickness	Profile Group
		5.0	6.2	6.0	2.0	PG15 PG20
		10.0	8.2	8.0	2.2	PG30
		12.0	10.2	11.0	4.0	PG40
		12.0	10.2	13.0	6.0	PG45 PG50 PG60

Perfil de Aluminio PG15

Strut Profile PG15



15x15 2 slots

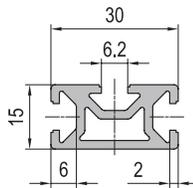
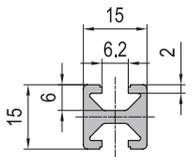


15x30 3 slots

El Perfil de Aluminio PG15 con una ranura tipo T de 6mm se utiliza para la construcción de ensamblajes modulares livianos. A su vez, está desarrollado para complementar la línea de perfiles PG20 y PG30.

15x15 2 slots

15x30 3 slots



Descripción	Momento de Inercia Ix (cm ⁴)	Momento de Inercia Iy (cm ⁴)	Momento Resistente Wx (cm ³)	Momento Resistente Wy (cm ³)	Masa (kg/m)	Part No.
Strut Profile PG15 15x15 2 slots	0.2	0.4	0.3	0.5	0.4	1.11.15.015015.02
Strut Profile PG15 15x30 3 slots	0.7	1.8	0.8	1.2	0.6	1.11.15.015030.03

Selección del tipo de conector:



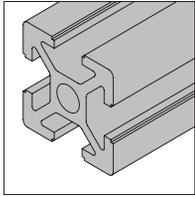
Angle Profile Bracket 3.31



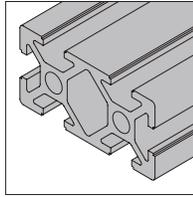
Inner Bracket 3.41



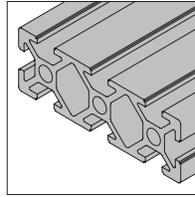
linear bar connector3.51

Perfil de Aluminio PG20
Strut Profile PG20


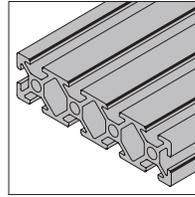
20x20 4 slots



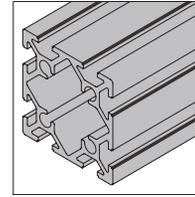
20x40 6 slots



20x60 8 slots



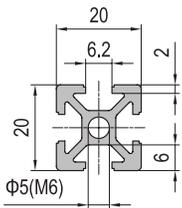
20x80 10 slots



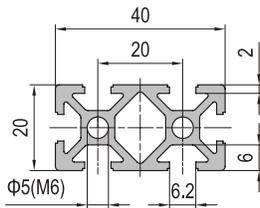
40x40 8 slots

El Perfil de Aluminio PG20 con una ranura tipo T de 6mm se utiliza para la construcción de ensamblajes modulares livianos. A su vez, está desarrollado para complementar la línea de perfiles PG15 y PG30.

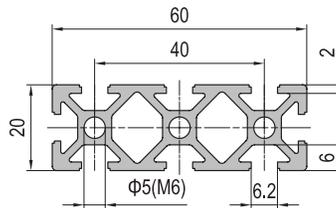
20x20 4 slots



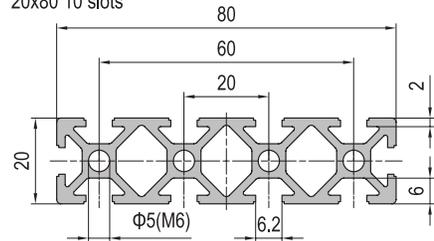
20x40 6 slots



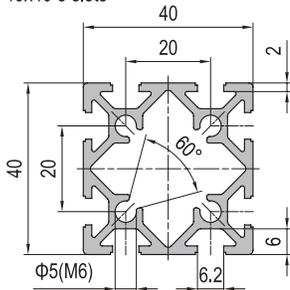
20x60 8 slots



20x80 10 slots



40x40 8 slots


Selección del tipo de conector:


Die Cast Bracket 3.21



Angle Profile Bracket 3.31



linear bar connector 3.51

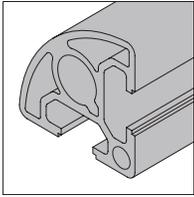


Inner Bracket 3.41

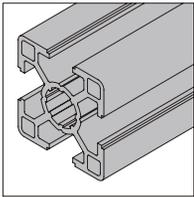
Descripción	Momento de Inercia Ix (cm ⁴)	Momento de Inercia Iy (cm ⁴)	Momento Resistente Wx (cm ³)	Momento Resistente Wy (cm ³)	Masa (kg/m)	Part No.
Strut Profile PG20 20x20 4 slots	0.8	0.8	0.8	0.8	0.5	1.11.20.020020.04
Strut Profile PG20 20x40 6 slots	1.4	5.1	1.4	2.5	0.9	1.11.20.020040.06
Strut Profile PG20 20x60 8 slots	2.0	15.8	2.0	5.3	1.3	1.11.20.020060.08
Strut Profile PG20 20x80 10 slots	2.6	35.9	2.6	9.0	1.7	1.11.20.020080.10
Strut Profile PG20 40x40 8 slots	8.9	8.9	4.5	4.5	1.3	1.11.20.040040.08

Perfil de Aluminio PG30

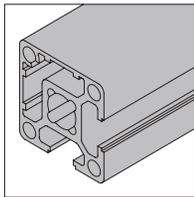
Strut Profile PG30



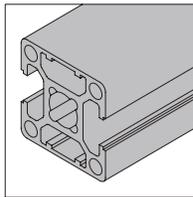
30x30 R90 2 slots



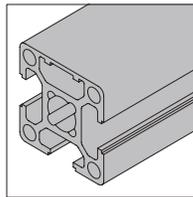
30x30 4 slots Light



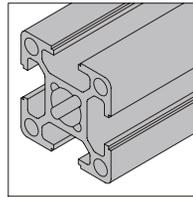
30x30 2 slots Type A



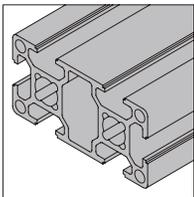
30x30 2 slots Type B



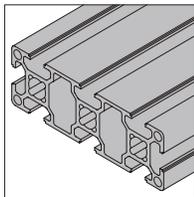
30x30 3 slots



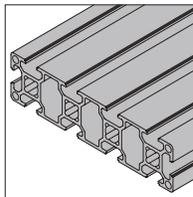
30x30 4 slots



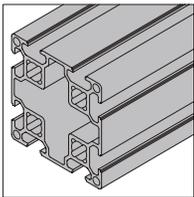
30x60 6 slots



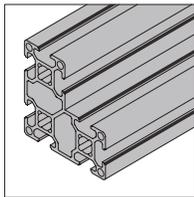
30x90 8 slots



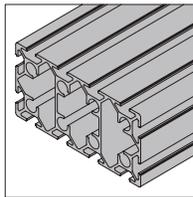
30x120 10 slots



60x60 8 slots



60x60 L 8 slots



60x120 12 slots

El Perfil de Aluminio PG30 con una ranura tipo T de 8mm se utiliza para la construcción de ensamblajes modulares de mediano porte como ser: carros, estaciones de trabajo, cerramientos livianos, etc. También se encuentra disponible el perfil con radio 90° que permite la construcción de equipos más atractivos.

Selección del tipo de conector:



Anchor Connectorast 3.11



Die Cast Bracket 3.21



Angle Profile Bracket 3.31



Inner Bracket 3.41



linear bar connector 3.51

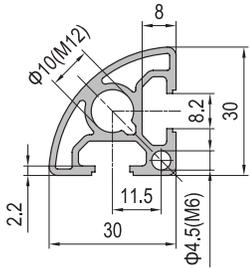


Screw Connector 3.81

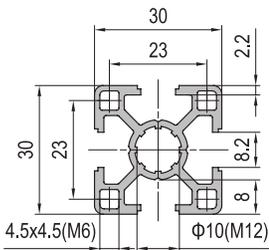
Perfil de Aluminio PG30

Strut Profile PG30

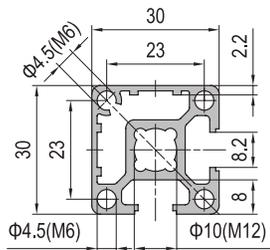
30x30 R90 2 slots



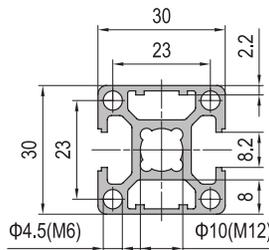
30x30 4 slots Light



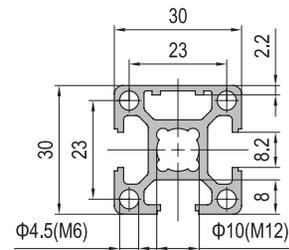
30x30 2 slots Type A



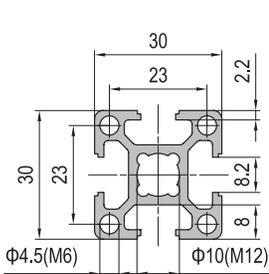
30x30 2 slots Type B



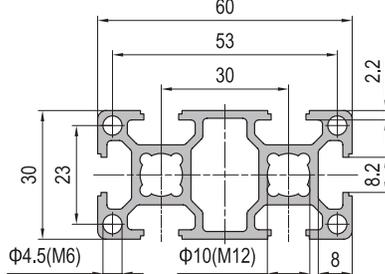
30x30 3 slots



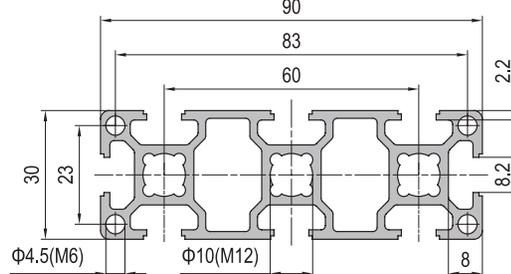
30x30 4 slots



30x60 6 slots



30x90 8 slots

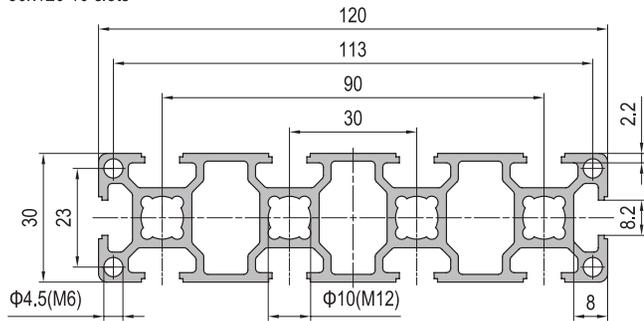


Descripción	Momento de Inercia Ix (cm ⁴)	Momento de Inercia Iy (cm ⁴)	Momento Resistente Wx (cm)	Momento Resistente Wy (cm)	Masa (kg/m)	Part No.
Strut Profile PG30 30x30 R90 2 slots	2.5	1.6	1.2	0.9	0.8	1.11.30.030030.R90.02
Strut Profile PG30 30x30 4 slots Light	2.6	2.6	1.8	1.8	0.8	1.11.30.030030.04L
Strut Profile PG30 30x30 2 slots Type A	2.9	2.9	2.0	2.0	0.9	1.11.30.030030.02A
Strut Profile PG30 30x30 2 slots Type B	2.8	3.2	1.9	2.1	0.9	1.11.30.030030.02B
Strut Profile PG30 30x30 3 slots	3.0	2.9	2.0	1.9	0.9	1.11.30.030030.03
Strut Profile PG30 30x30 4 slots	2.9	2.9	2.0	2.0	0.9	1.11.30.030030.04
Strut Profile PG30 30x60 6 slots	5.3	19.9	3.5	6.7	1.6	1.11.30.030060.06
Strut Profile PG30 30x90 8 slots	7.7	62.0	5.1	13.8	2.2	1.11.30.030090.08

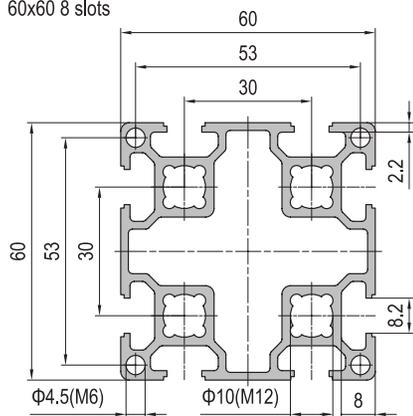
Perfil de Aluminio PG30

Strut Profile PG30

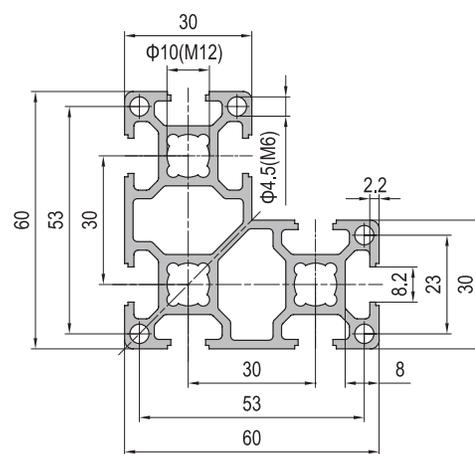
30x120 10 slots



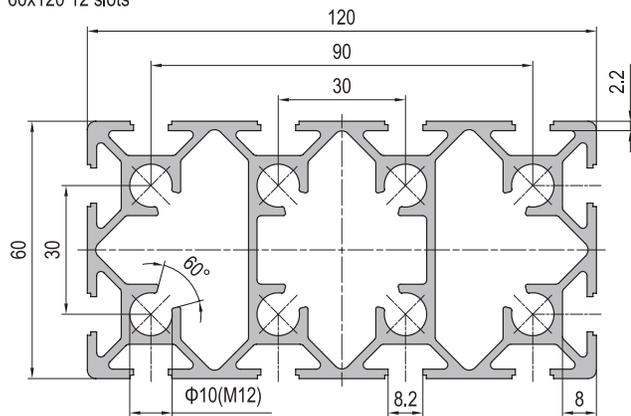
60x60 8 slots



60x60 L 8 slots



60x120 12 slots

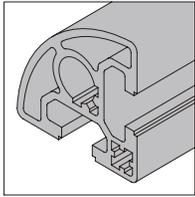


Descripción	Momento de Inercia Ix (cm ⁴)	Momento de Inercia Iy (cm ⁴)	Momento Resistente Wx (cm)	Momento Resistente Wy (cm)	Masa (kg/m)	Part No.
Strut Profile PG30 30x120 10 slots	10,1	139,9	6,7	23,3	2,9	1.11.30.030120.10
Strut Profile PG30 60x60 8 slots	35,3	35,3	11,8	11,8	2,5	1.11.30.060060.08
Strut Profile PG30 60x60 L 8 slots	35,2	17,6	8,5	5,0	2,3	1.11.30.060060L.08
Strut Profile PG30 60x120 12 slots	74,7	252,6	24,9	42,1	4,8	1.11.30.060120.12

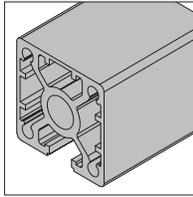
Perfil de Aluminio PG40

Strut Profile PG40

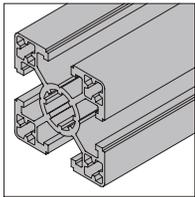
El Perfil de Aluminio PG40 con una ranura tipo T de 10mm se utiliza para la construcción de ensamblajes modulares medianos y pesados como carros, estaciones de trabajo, estructuras para maquinaria, stands de exhibición, etc. Se trata de una opción de buenas prestaciones más económica que la línea PG45.



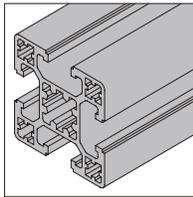
40x40 R90 2 slots



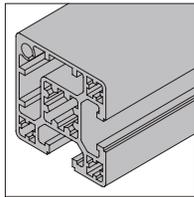
40x40 1 slots



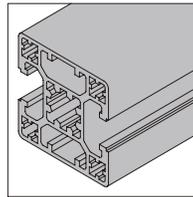
40x40 4 slots Super Light



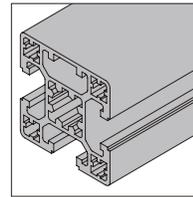
40x40 4 slots Light



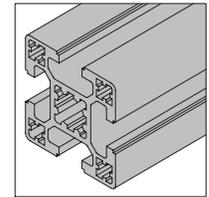
40x40 2 slots Type A



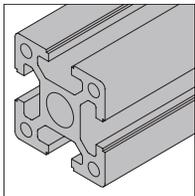
40x40 2 slots Type B



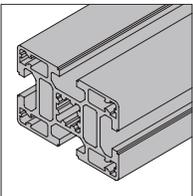
40x40 3 slots



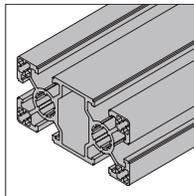
40x40 4 slots



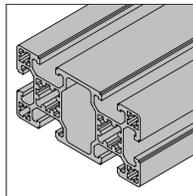
40x40 4 slots Heavy



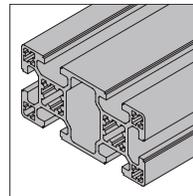
40x60 4 slots



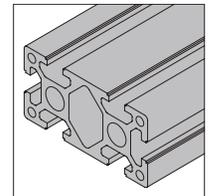
40x80 6 slots Super Light



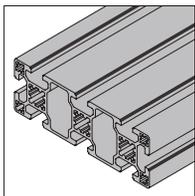
40x80 6 slots Light



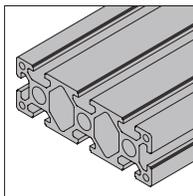
40x80 6 slots



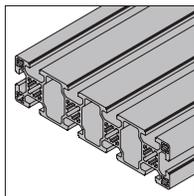
40x80 6 slots Heavy



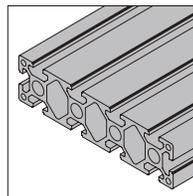
40x120 8 slots



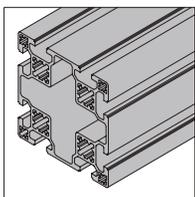
40x120 8 slots Heavy



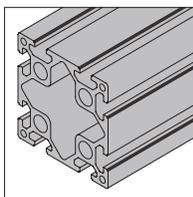
40x160 10 slots



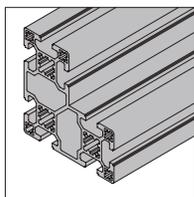
40x160 10 slots Heavy



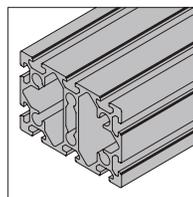
80x80 8 slots



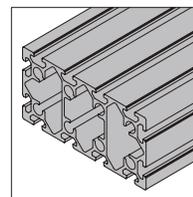
80x80 8 slots Heavy



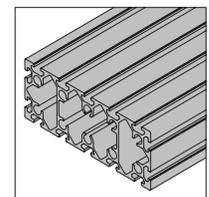
80x80 L 8 slots



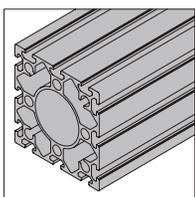
80x120 10 slots



80x160 12 slots



80x200 14 slots



120x120 12 slots

Selección del tipo de conector:



Anchor Connectorast 3.11



Die Cast Bracket 3.21



Angle Profile Bracket 3.31



Inner Bracket 3.41



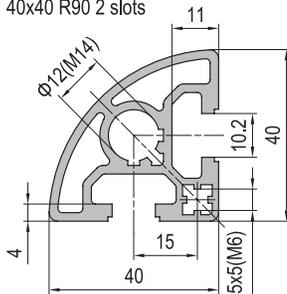
linear bar connector 3.51



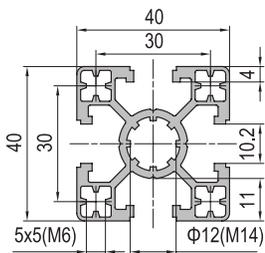
Screw Connector 3.81

Perfil de Aluminio PG40
Strut Profile PG40

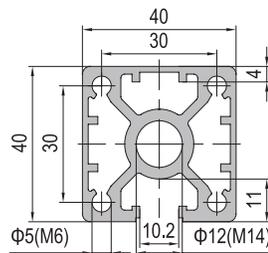
40x40 R90 2 slots



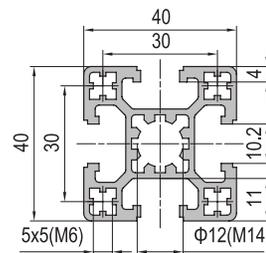
40x40 4 slots Super Light



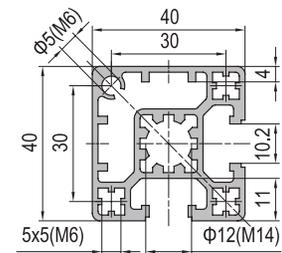
40x40 1 slot



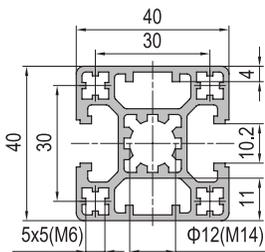
40x40 4 slots Light



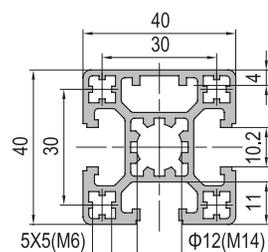
40x40 2 slots Type A



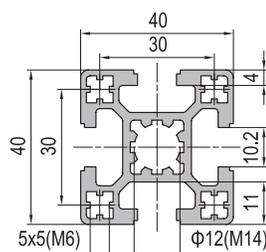
40x40 2 slots Type B



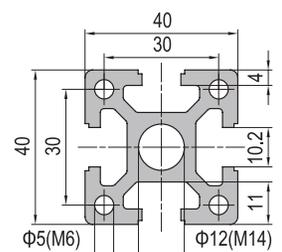
40x40 3 slots



40x40 4 slots



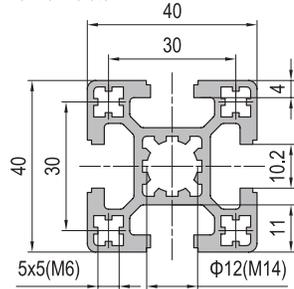
40x40 4 slots Heavy



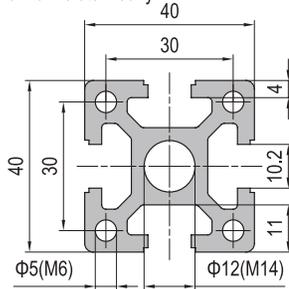
Descripción	Momento de Inercia Ix (cm ⁴)	Momento de Inercia Iy (cm ⁴)	Momento Resistente Wx (cm ³)	Momento Resistente Wy (cm ³)	Masa (kg/m)	Part No.
Strut Profile PG40 40x40 R90 2 slots	8.3	4.8	3.0	1.9	1.3	1.11.40.040040.R90.02
Strut Profile PG40 40x40 4 slots Super Light	7.3	7.3	3.6	3.6	1.3	1.11.40.040040.04SL
Strut Profile PG40 40x40 1 slot	10.4	10.1	5.2	5.0	1.68	1.11.40.040040.01
Strut Profile PG40 40x40 4 slots Light	8.6	8.6	4.3	4.3	1.5	1.11.40.040040.04L
Strut Profile PG40 40x40 2 slots Type A	9.6	9.6	4.5	4.5	1.5	1.11.40.040040.02A
Strut Profile PG40 40x40 2 slots Type B	9.6	8.6	4.8	4.3	1.5	1.11.40.040040.02B
Strut Profile PG40 40x40 3 slots	9.1	8.6	4.5	4.3	1.5	1.11.40.040040.03
Strut Profile PG40 40x40 4 slots	9.1	9.1	4.6	4.6	1.6	1.11.40.040040.04
Strut Profile PG40 40x40 4 slots Heavy	11.5	11.5	5.8	5.8	2.0	1.11.40.040040.04H

Perfil de Aluminio PG40
Strut Profile PG40

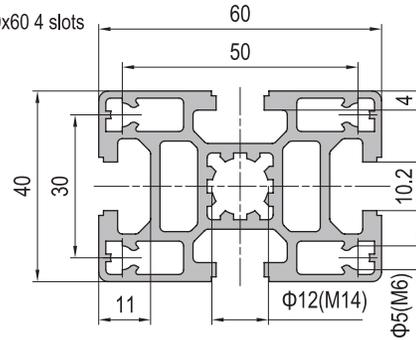
40x40 4 slots



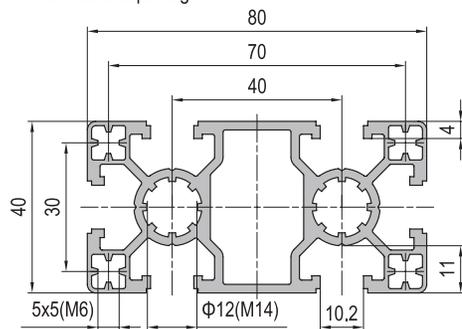
40x40 4 slots Heavy



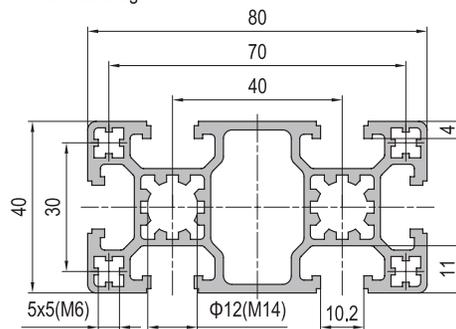
40x60 4 slots



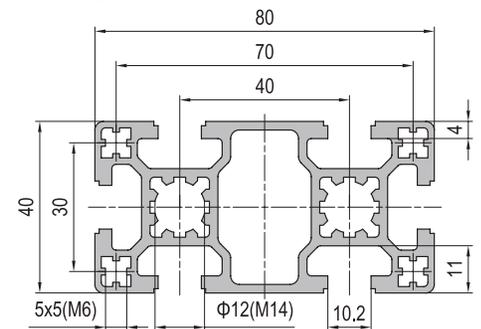
40x80 6 slots Super Light



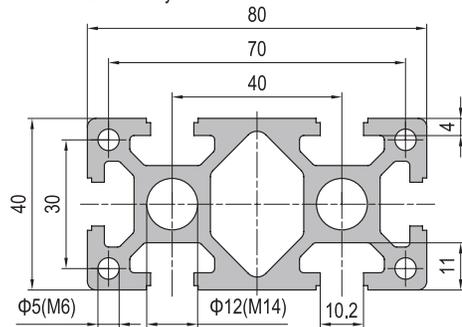
40x80 6 slots Light



40x80 6 slots



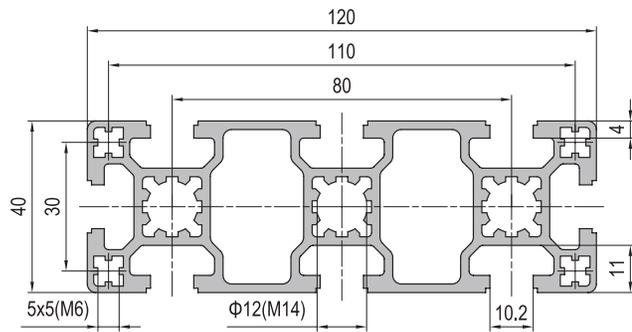
40x80 6 slots Heavy



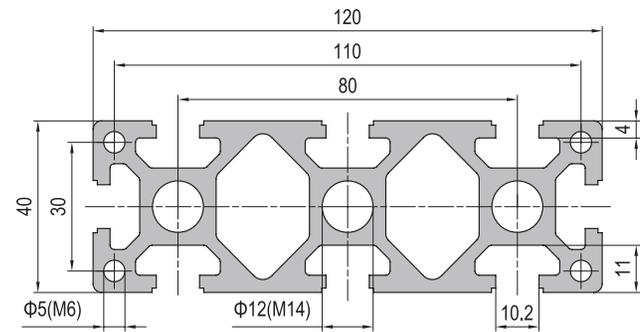
Descripción	Momento de Inercia Ix (cm ⁴)	Momento de Inercia Iy (cm ⁴)	Momento Resistente Wx (cm ³)	Momento Resistente Wy (cm ³)	Masa (kg/m)	Part No.
Strut Profile PG40 40x40 4 slots	9.1	9.1	4.6	4.6	1.6	1.11.40.040040.04
Strut Profile PG40 40x40 4 slots Heavy	11.5	11.5	5.8	5.8	2.0	1.11.40.040040.04H
Strut Profile PG40 40x60 4 slots	13.3	27.6	6.6	9.2	2.3	1.11.40.040060.04
Strut Profile PG40 40x80 6 slots Super Light	14.3	52.0	7.2	13.0	2.3	1.11.40.040080.06SL
Strut Profile PG40 40x80 6 slots Light	15.8	59.1	7.9	14.8	2.5	1.11.40.040080.06L
Strut Profile PG40 40x80 6 slots	16.6	63.2	8.3	15.8	2.7	1.11.40.040080.06
Strut Profile PG40 40x80 6 slots Heavy	22.2	80.8	11.1	20.2	3.6	1.11.40.040080.06H

Perfil de Aluminio PG40
Strut Profile PG40

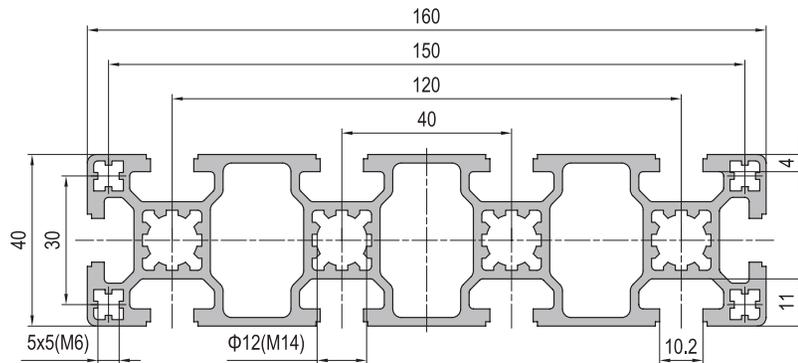
40x120 8 slots



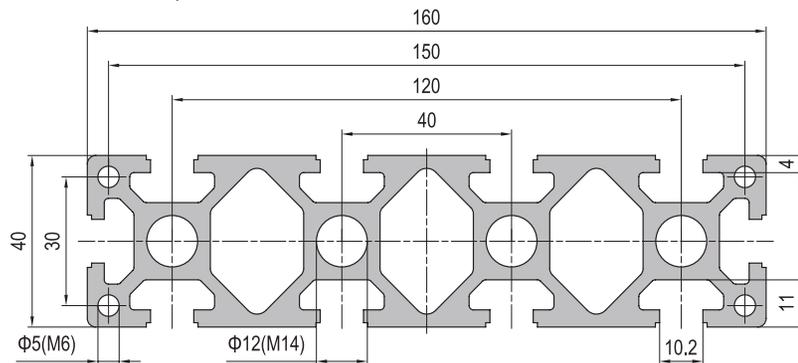
40x120 8 slots Heavy



40x160 10 slots



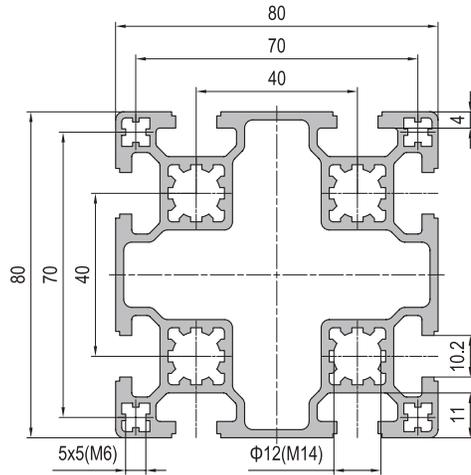
40x160 10 slots Heavy



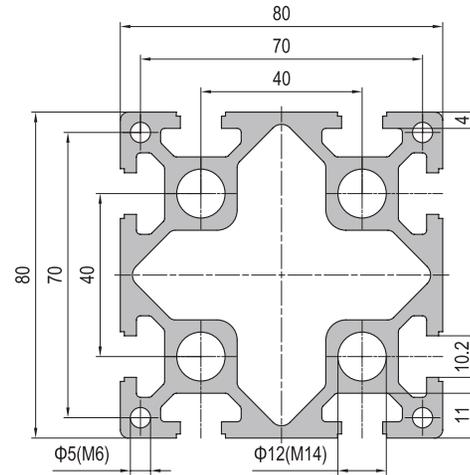
Descripción	Momento de Inercia I _x (cm ⁴)	Momento de Inercia I _y (cm ⁴)	Momento Resistente W _x (cm ³)	Momento Resistente W _y (cm ³)	Masa (kg/m)	Part No.
Strut Profile PG40 40x120 8 slots	24.1	194.8	12.1	32.5	3.8	1.11.40.040120.08
Strut Profile PG40 40x120 8 slots Heavy	33.0	255.3	16.5	42.6	5.2	1.11.40.040120.08H
Strut Profile PG40 40x160 10 slots	31.6	435.7	15.8	54.5	4.8	1.11.40.040160.10
Strut Profile PG40 40x160 10 slots Heavy	43.7	582.2	21.8	72.8	6.8	1.11.40.040160.10H

Perfil de Aluminio PG40
Strut Profile PG40

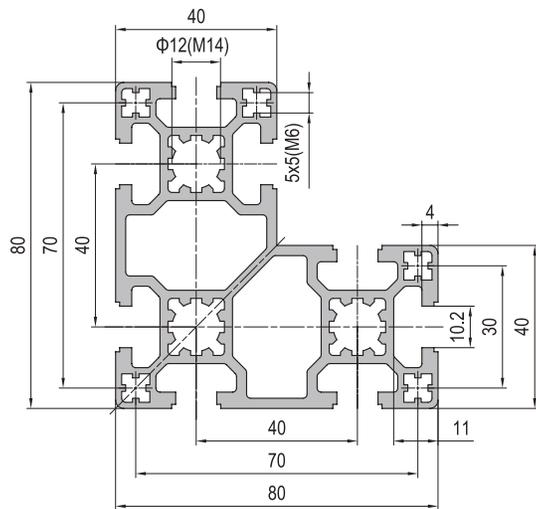
80x80 8 slots



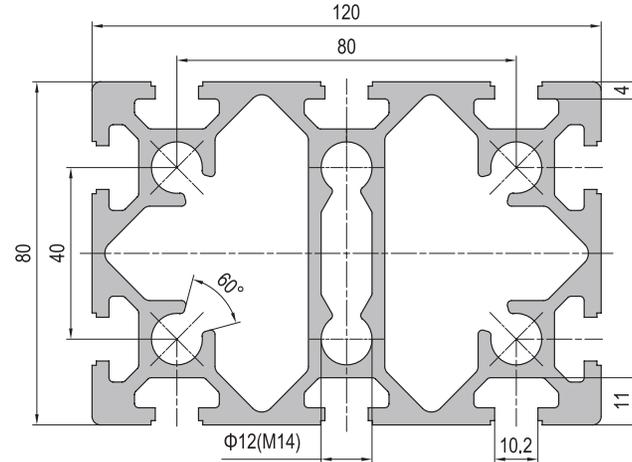
80x80 8 slots Heavy



80x80 L 8 slots



80x120 10 slots

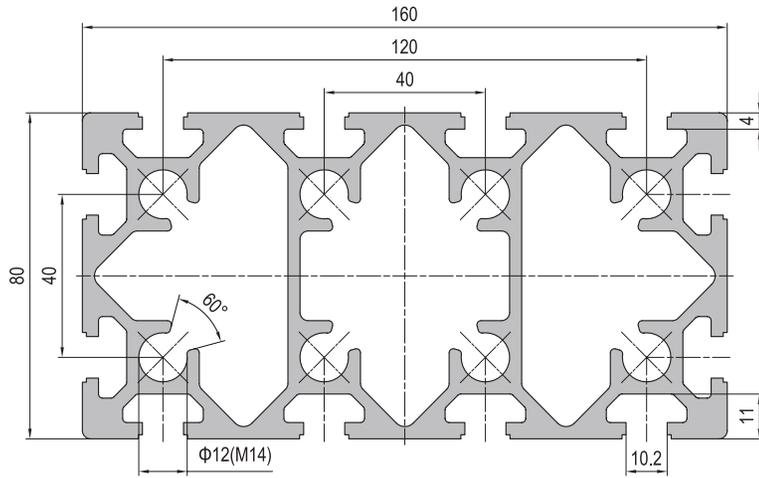


Descripción	Momento de Inercia Ix (cm ⁴)	Momento de Inercia Iy (cm ⁴)	Momento Resistente Wx (cm ³)	Momento Resistente Wy (cm ³)	Masa (kg/m)	Part No.
Strut Profile PG40 80x80 8 slots	109.9	109.9	27.5	27.5	4.2	1.11.40.080080.08
Strut Profile PG40 80x80 8 slots Heavy	148.2	148.2	37.1	37.1	5.7	1.11.40.080080.08H
Strut Profile PG40 80x80 L 8 slots	111.8	56.0	20.1	11.9	4.0	1.11.40.080080L.08
Strut Profile PG40 80x120 10 slots	222.1	449.2	55.5	74.8	8.3	1.11.40.080120.10

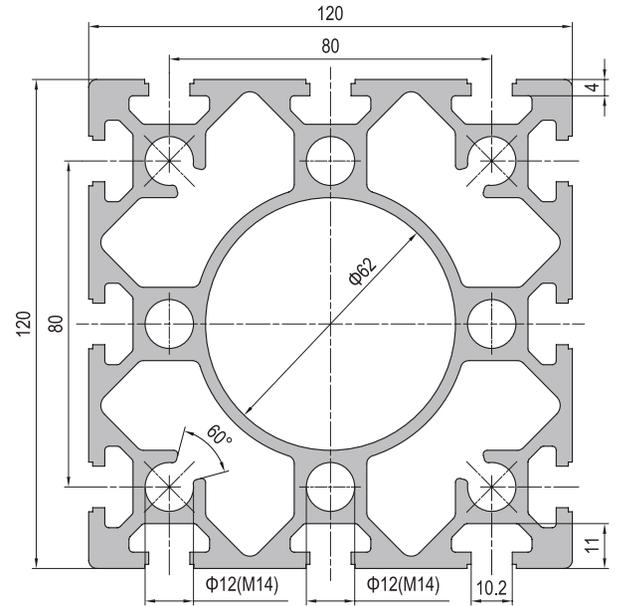
Perfil de Aluminio PG40

Strut Profile PG40

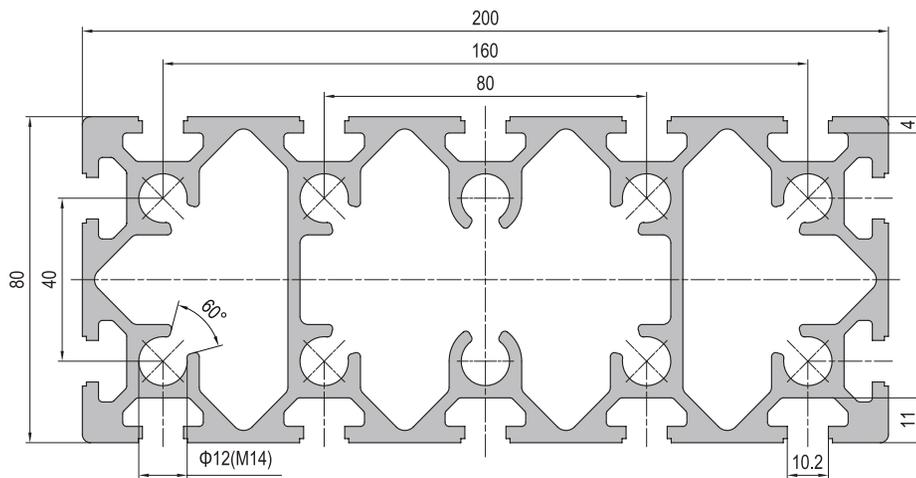
80x160 12 slots



120x120 12 slots



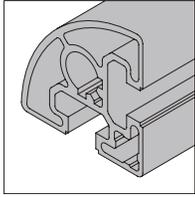
80x200 14 slots



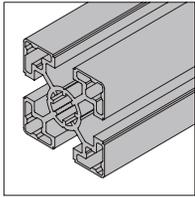
Descripción	Momento de Inercia Ix (cm ⁴)	Momento de Inercia Iy (cm ⁴)	Momento Resistente Wx (cm ³)	Momento Resistente Wy (cm ³)	Masa (kg/m)	Part No.
Strut Profile PG40 80x160 12 slots	287.5	975.5	71.9	121.9	10.4	1.11.40.080160.12
Strut Profile PG40 80x200 14 slots	353.1	1789.8	88.3	179.0	12.3	1.11.40.080200.14
Strut Profile PG40 120x120 12 slots	659.1	659.1	109.9	109.9	11.5	1.11.40.120120.12

Perfil de Aluminio PG45

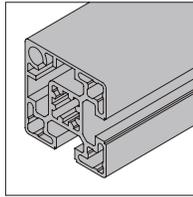
Strut Profile PG45



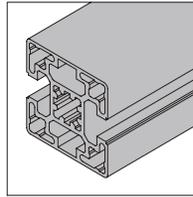
45x45 R90 2 slots



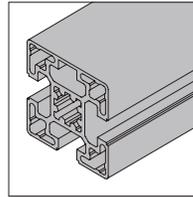
45x45 4 slots Light



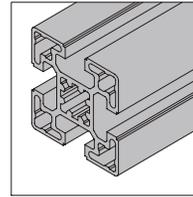
45x45 2 slots Type A



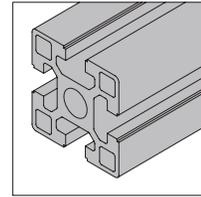
45x45 2 slots Type B



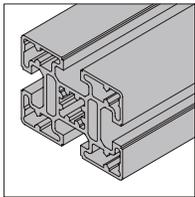
45x45 3 slots



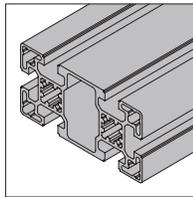
45x45 4 slots



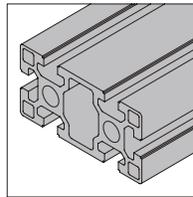
45x45 4 slots Heavy



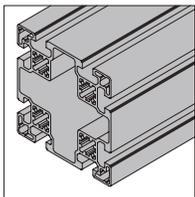
45x60 4 slots



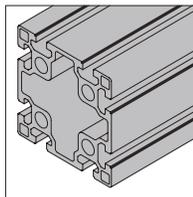
45x90 6 slots



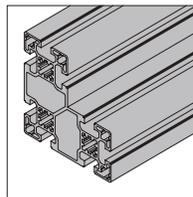
45x90 6 slots Heavy



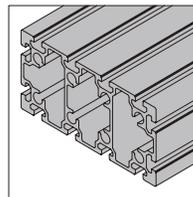
90x90 8 slots



90x90 8 slots Heavy



90x90 L 8 slots



90x180 12 slots

El Perfil de Aluminio PG45 con una ranura tipo T de 10mm se utiliza para la construcción de ensamblajes modulares pesados como ser estructuras para máquinas, estaciones de trabajo, carros de trabajo, estanterías para stock de productos, etc. Los perfiles PG45 son muy populares y extensamente utilizados en Europa.

Selección del tipo de conector:



Anchor Connectorast 3.11



Die Cast Bracket 3.21



Angle Profile Bracket 3.31



Inner Bracket 3.41



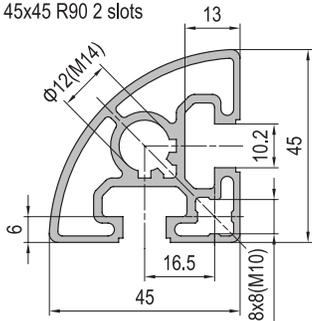
linear bar connector 3.51



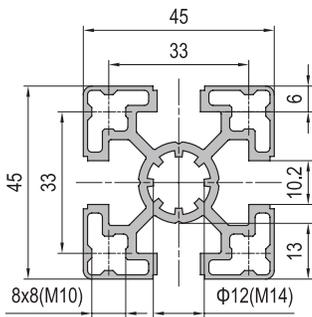
Screw Connector 3.81

Perfil de Aluminio PG45
Strut Profile PG45

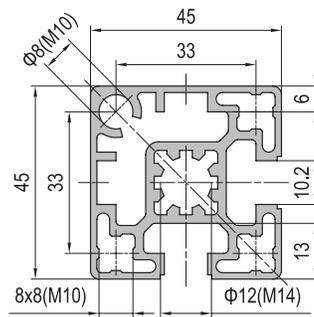
45x45 R90 2 slots



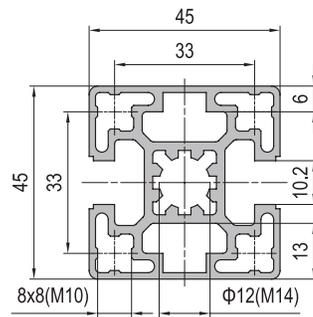
45x45 4 slots Light



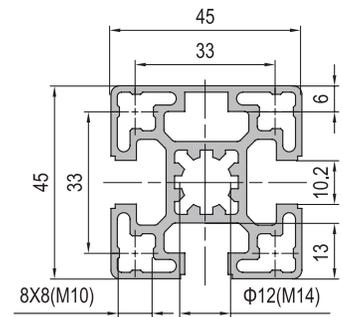
45x45 2 slots Type A



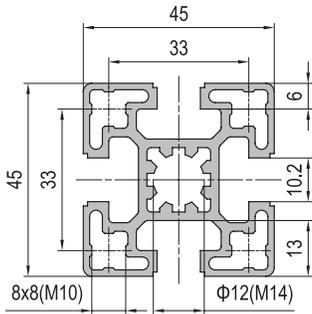
45x45 2 slots Type B



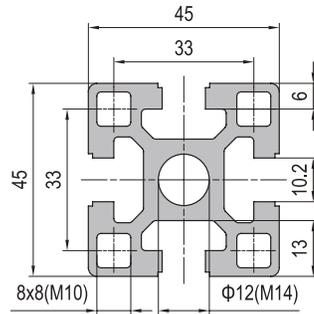
45x45 3 slots



45x45 4 slots



45x45 4 slots Heavy

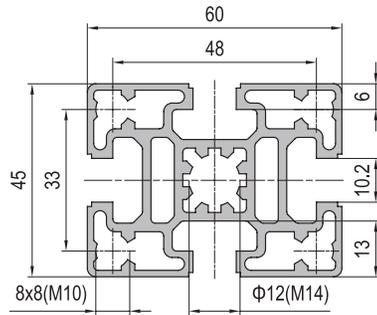


Descripción	Momento de Inercia Ix (cm ⁴)	Momento de Inercia Iy (cm ⁴)	Momento Resistente Wx (cm ³)	Momento Resistente Wy (cm ³)	Masa (kg/m)	Part No.
Strut Profile PG45 45x45 R90 2 slots	10.5	6.4	3.5	2.4	1.5	1.11.45.045045.R90.02
Strut Profile PG45 45x45 4 slots Light	10.5	10.5	4.7	4.7	1.6	1.11.45.045045.04L
Strut Profile PG45 45x45 2 slots Type A	12.9	12.9	5.7	5.7	1.9	1.11.45.045045.02A
Strut Profile PG45 45x45 2 slots Type B	13.7	12.1	6.1	5.4	1.9	1.11.45.045045.02B
Strut Profile PG45 45x45 3 slots	12.9	12.1	5.7	5.4	1.8	1.11.45.045045.03
Strut Profile PG45 45x45 4 slots	12.1	12.1	5.4	5.4	1.8	1.11.45.045045.04
Strut Profile PG45 45x45 4 slots Heavy	16.5	16.5	7.4	7.4	2.4	1.11.45.045045.04H

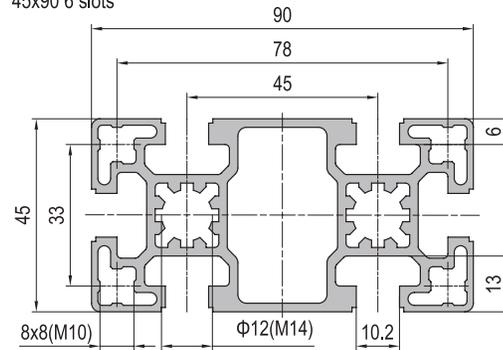
Perfil de Aluminio PG45

Strut Profile PG45

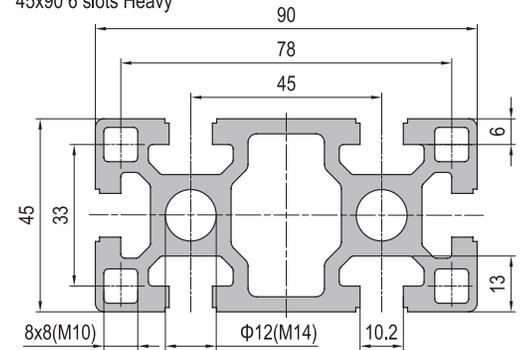
45x60 4 slots



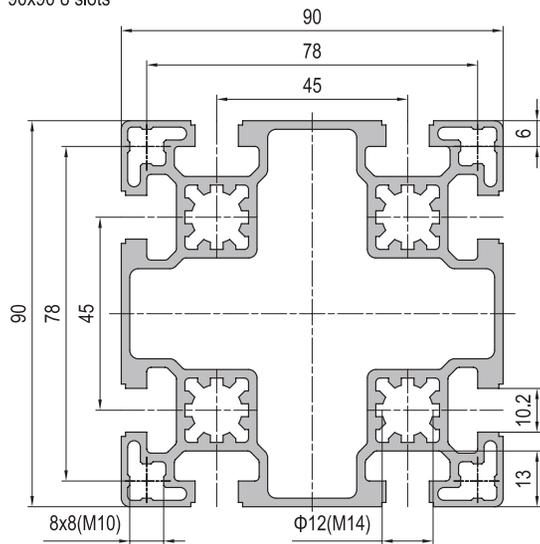
45x90 6 slots



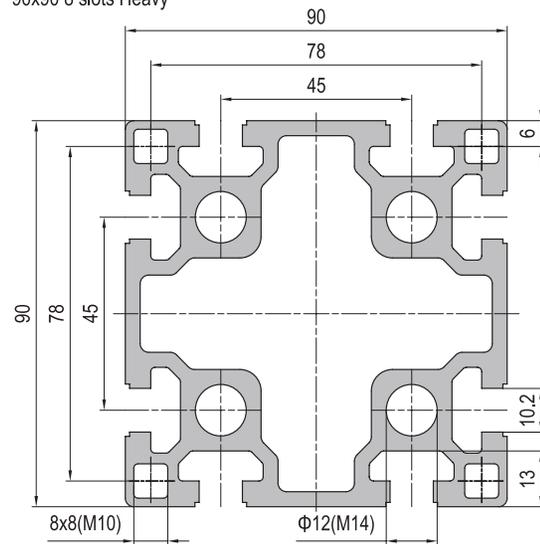
45x90 6 slots Heavy



90x90 8 slots



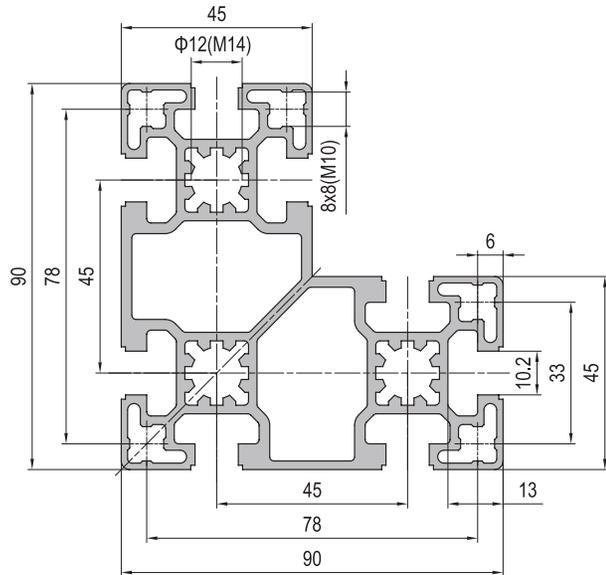
90x90 8 slots Heavy



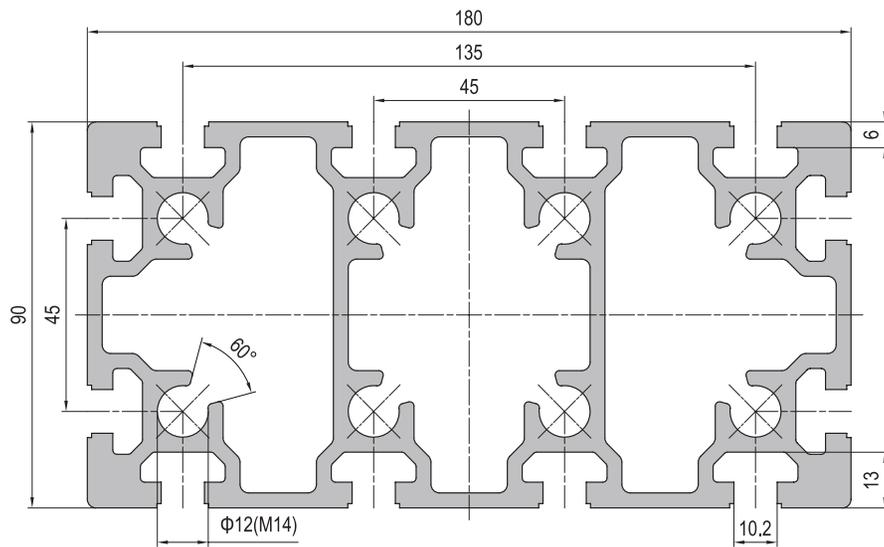
Descripción	Momento de Inercia Ix (cm ⁴)	Momento de Inercia Iy (cm ⁴)	Momento Resistente Wx (cm ³)	Momento Resistente Wy (cm ³)	Masa (kg/m)	Part No.
Strut Profile PG45 45x60 4 slots	16.2	27.8	7.2	9.3	2.4	1.11.45.045060.04
Strut Profile PG45 45x90 6 slots	24.2	89.3	10.8	19.9	3.2	1.11.45.045090.06
Strut Profile PG45 45x90 6 slots Heavy	32.5	122.2	14.5	27.2	4.4	1.11.45.045090.06H
Strut Profile PG45 90x90 8 slots	163.2	163.2	36.3	36.3	5.0	1.11.45.090090.08
Strut Profile PG45 90x90 8 slots Heavy	222.9	222.9	49.6	49.6	6.8	1.11.45.090090.08H

Perfil de Aluminio PG45
Strut Profile PG45

90x90 L 8 slots



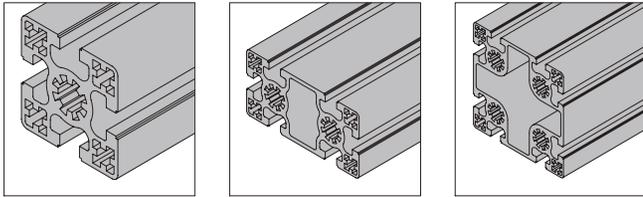
90x180 12 slots



Descripción	Momento de Inercia Ix (cm ⁴)	Momento de Inercia Iy (cm ⁴)	Momento Resistente Wx (cm ³)	Momento Resistente Wy (cm ³)	Masa (kg/m)	Part No.
Strut Profile PG45 90x90 L 8 slots	161.4	80.3	25.6	15.2	4.6	1.11.45.090090L.08
Strut Profile PG45 90x180 12 slots	454.9	1585.7	101.1	176.2	12.7	1.11.45.090180.12

Perfil de Aluminio PG50

Strut Profile PG50



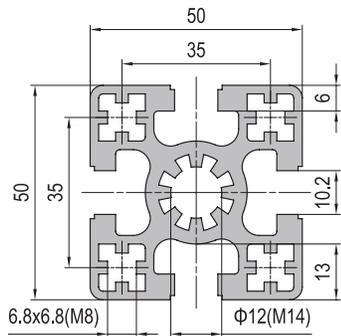
50x50 4 slots

50x100 6 slots

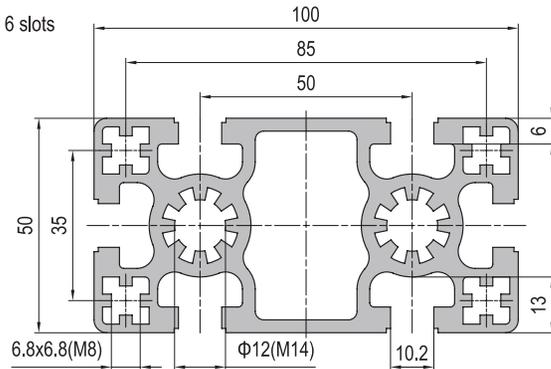
100x100 8 slots

El Perfil de Aluminio PG50 con una ranura tipo T de 10mm se utiliza para la construcción de ensamblajes modulares pesados. A su vez, está desarrollado para complementar la línea de perfiles PG40 y PG45.

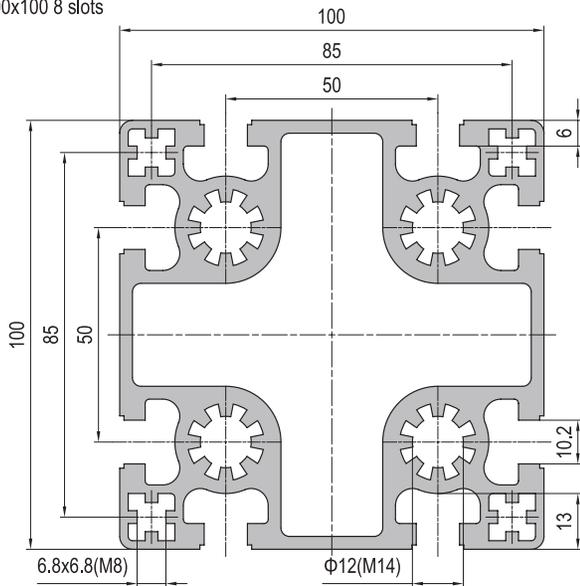
50x50 4 slots



50x100 6 slots



100x100 8 slots



Selección del tipo de conector:



Angle Profile Bracket 3.31



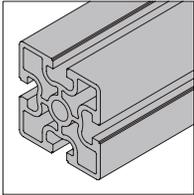
Screw Connector 3.81

Descripción	Momento de Inercia Ix (cm ⁴)	Momento de Inercia Iy (cm ⁴)	Momento Resistente Wx (cm ³)	Momento Resistente Wy (cm ³)	Masa (kg/m)	Part No.
Strut Profile PG50 50x50 4 slots	25.0	25.0	10.0	10.0	3.0	1.11.50.050050.04
Strut Profile PG50 50x100 6 slots	46.2	184.4	18.5	36.9	5.0	1.11.50.050100.06
Strut Profile PG50 100x100 8 slots	331.1	331.1	66.2	66.2	8.5	1.11.50.100100.08

Perfil de Aluminio PG60

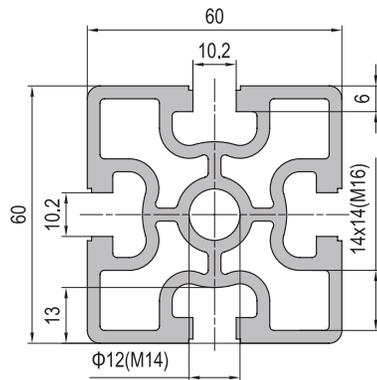
Strut Profile PG60

60x60 4 slots



El Perfil de Aluminio PG60 con una ranura tipo T de 10mm se utiliza para la construcción de ensamblajes modulares pesados. A su vez, está desarrollado para complementar la línea de perfiles PG40 y PG45.

60x60 4 slots



Selección del tipo de conector:



Angle Profile Bracket 3.31

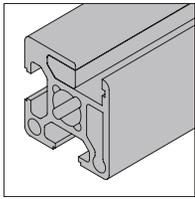


Screw Connector 3.81

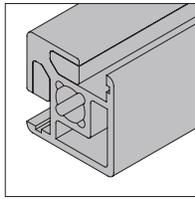
Descripción	Momento de Inercia Ix (cm ⁴)	Momento de Inercia Iy (cm ⁴)	Momento Resistente Wx (cm ³)	Momento Resistente Wy (cm ³)	Masa (kg/m)	Part No.
Strut Profile PG60 60x60 4 slots	47.7	47.7	15.9	15.9	3.8	1.11.60.060060.04

Perfil de Fijación PG30

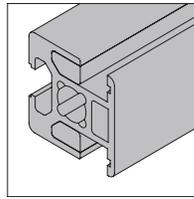
Clamping Profile PG30



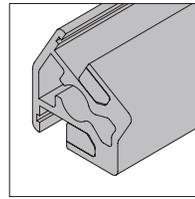
30x30 1 Clamping slot



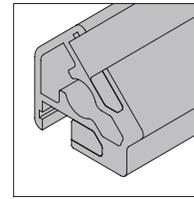
30x30 2 Clamping slots Cross



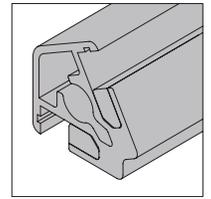
30x30 2 Clamping slots Parallel



R30 2 slots



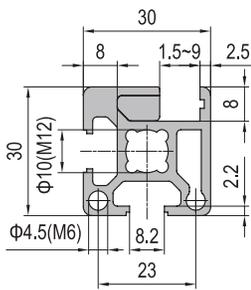
R45 2 slots



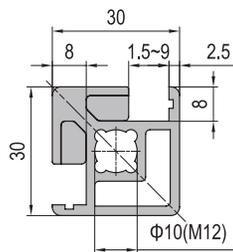
R60 2 slots

El Perfil de Fijación PG30 es utilizado para la construcción de protecciones de maquinaria. Sus características dimensionales son iguales a la línea de perfiles de aluminio correspondiente.

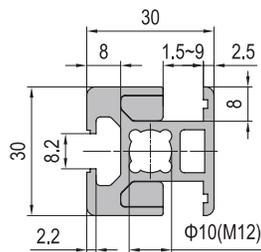
30x30 1 Clamping slot



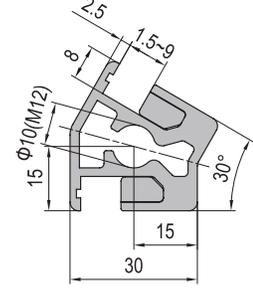
30x30 2 Clamping slots Cross



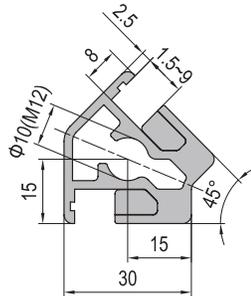
30x30 2 Clamping slots Parallel



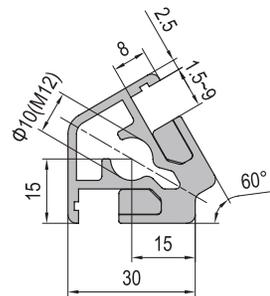
R30 2 slots



R45 2 slots



R60 2 slots



Selección del tipo de conector:



Bushing PPJ30.ST



Hole Reducer Bolt 2.51.12.06

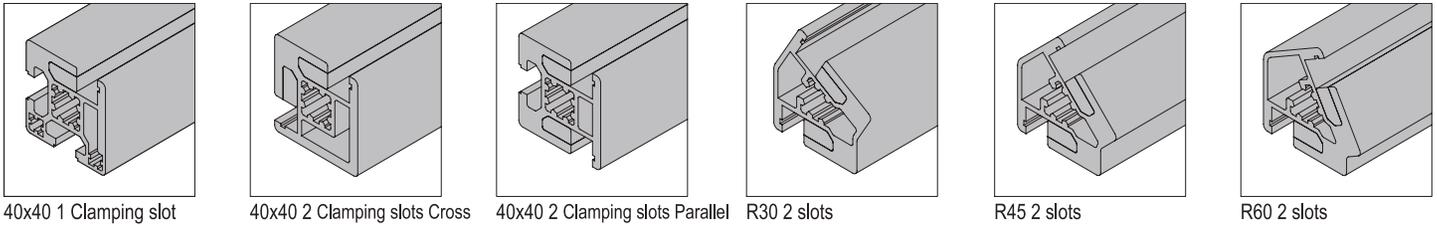


End Cap for clamping profile 4.12.30.3030.SM

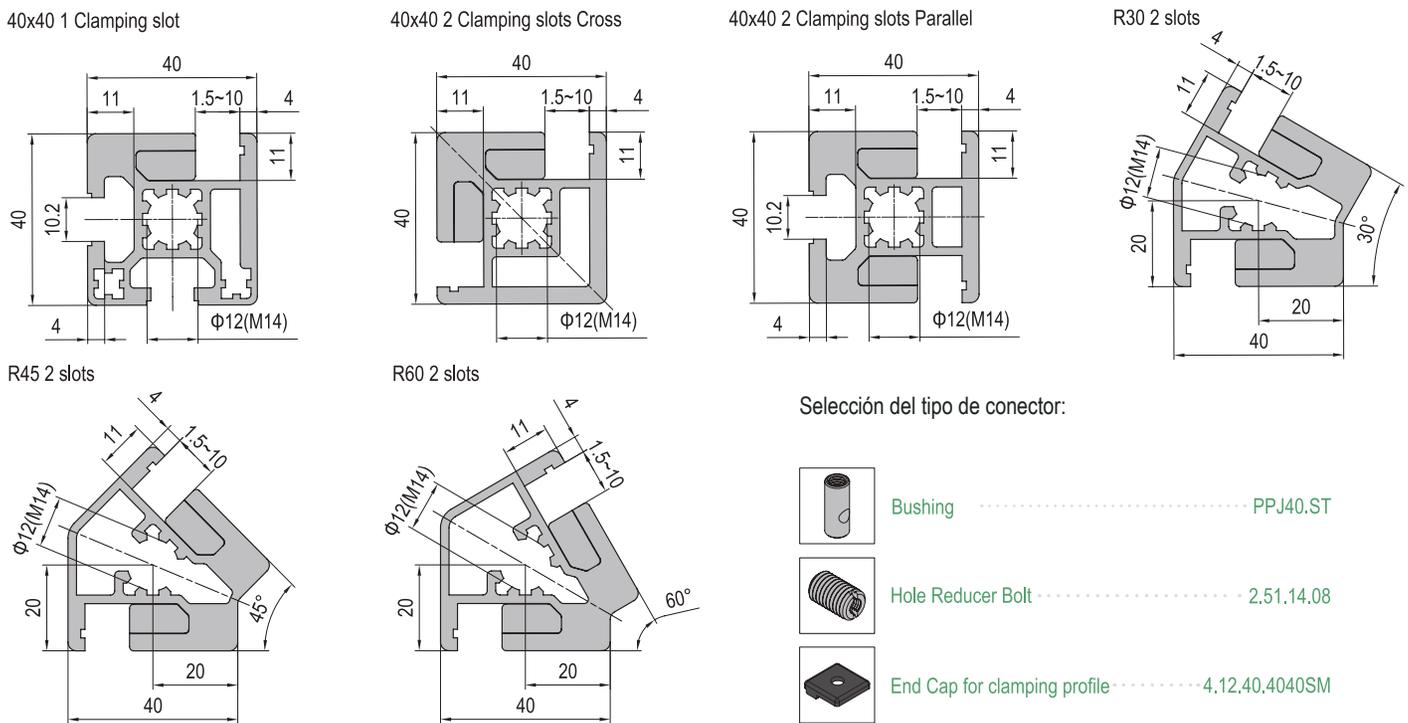
Descripción	Momento de Inercia Ix (cm ⁴)	Momento de Inercia Iy (cm ⁴)	Momento Resistente Wx (cm ³)	Momento Resistente Wy (cm ³)	Masa (kg/m)	Part No.
Clamping Profile PG30 30x30 1 Clamping slot	3.7	2.7	1.8	1.4	1.1	1.21.30.030030.01
Clamping Profile PG30 30x30 2 Clamping slots Cross	4.0	2.6	1.9	1.3	1.3	1.21.30.030030.02C
Clamping Profile PG30 30x30 2 Clamping slots Parallel	3.5	3.3	2.2	2.2	1.3	1.21.30.030030.02P
Clamping Profile PG30 R30 2 Clamping slots	4.2	2.9	2.3	1.5	1.4	1.21.30.030030.R30
Clamping Profile PG30 R45 2 Clamping slots	4.1	2.7	2.2	1.4	1.4	1.21.30.030030.R45
Clamping Profile PG30 R60 2 Clamping slots	4.1	2.6	2.1	1.3	1.4	1.21.30.030030.R60

Perfil de Fijación PG40

Clamping Profile PG40



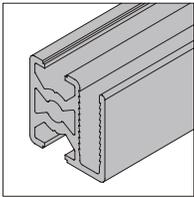
El Perfil de Fijación PG40 es utilizado para la construcción de protecciones de maquinaria. Sus características dimensionales son iguales a la línea de perfiles de aluminio correspondiente.



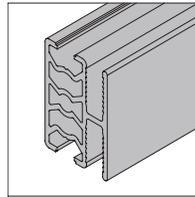
Selección del tipo de conector:

-  Bushing PPJ40.ST
-  Hole Reducer Bolt 2.51.14.08
-  End Cap for clamping profile 4.12.40.4040SM

Descripción	Momento de Inercia Ix (cm ⁴)	Momento de Inercia Iy (cm ⁴)	Momento Resistente Wx (cm)	Momento Resistente Wy (cm)	Masa (kg/m)	Part No.
Clamping Profile PG40 40x40 1 Clamping slot	12.3	9.5	4.4	3.4	2.2	1.21.40.040040.01
Clamping Profile PG40 40x40 2 Clamping slots Cross	14.7	10.0	5.2	3.7	2.6	1.21.40.040040.02C
Clamping Profile PG40 40x40 2 Clamping slots Parallel	12.4	12.1	5.8	6.1	2.6	1.21.40.040040.02P
Clamping Profile PG40 R30 2 Clamping slots	12.2	10.6	4.9	4.4	2.5	1.21.40.040040.R30
Clamping Profile PG40 R45 2 Clamping slots	12.3	10.0	4.7	3.9	2.5	1.21.40.040040.R45
Clamping Profile PG40 R60 2 Clamping slots	12.2	9.5	4.4	3.6	2.5	1.21.40.040040.R60

Perfil para Cerramientos de Seguridad PG30
Protective Grille Profile PG30


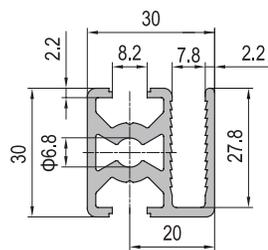
30x30 1 Grille slot



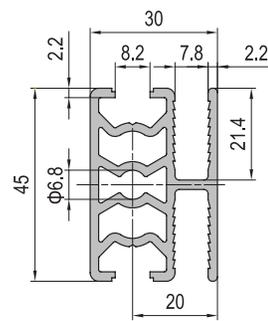
30x45 2 Grille slots

Los Perfiles para Cerramientos de Seguridad PG30 son especialmente diseñados para recibir la malla o panel de protección del cerramiento. Sus características dimensionales son iguales a la línea de perfiles de aluminio correspondiente.

30x30 1 Grille slot



30x45 2 Grille slots



Selección del tipo de conector:



Bolt Connector 3.81.M8.20



Anti-torsion Subsequent Nut 2.32.08.M6

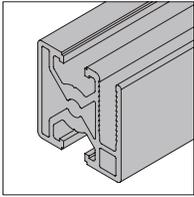


End Cap for grille profile 4.13.30.3030.SM

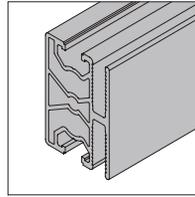
Descripción	Momento de Inercia Ix (cm ⁴)	Momento de Inercia Iy (cm ⁴)	Momento Resistente Wx (cm)	Momento Resistente Wy (cm)	Masa (kg/m)	Part No.
Protective Grille Profile PG30 30x30 1 Grille slot	3.4	2.5	2.2	1.6	1.0	1.22.30.030030.01
Protective Grille Profile PG30 30x45 2 Grille slots	7.2	4.7	4.8	2.1	1.3	1.22.30.030045.02

Perfiles para Cerramientos de Seguridad PG40

Protective Grille Profile PG40



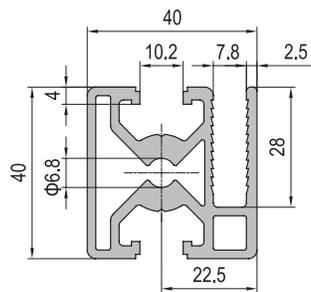
40x40 1 Grille slot



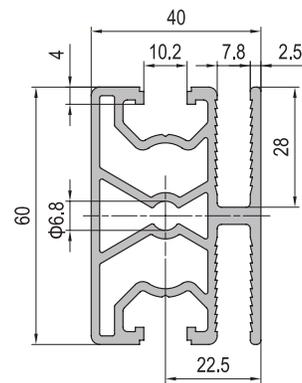
40x60 2 Grille slots

Los Perfiles para Cerramientos de Seguridad PG40 son especialmente diseñados para recibir la malla o panel de protección del cerramiento. Sus características dimensionales son iguales a la línea de perfiles de aluminio correspondiente.

40x40 1 Grille slot



40x60 2 Grille slots



Selección del tipo de conector:



Bolt Connector 3.81.M8.20



Anti-torsion Subsequent Nut 2.32.10.M6

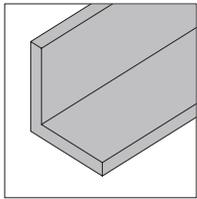


End Cap for grille profile 4.13.40.4040.SM

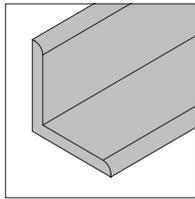
Descripción	Momento de Inercia I_x (cm ⁴)	Momento de Inercia I_y (cm ⁴)	Momento Resistente W_x (cm)	Momento Resistente W_y (cm)	Masa (kg/m)	Part No.
Protective Grille Profile PG40 40x40 1 Grille slot	9.9	8.1	4.9	4.0	1.6	1.22.40.040040.01
Protective Grille Profile PG40 40x60 2 Grille slots	23.3	13.6	11.6	4.5	2.0	1.22.40.040060.02

Perfiles Ángulo

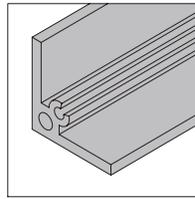
Angle Profile



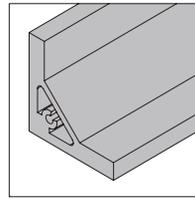
Angle Profile 20x20x3



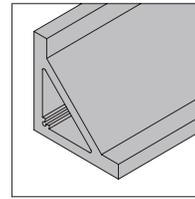
Angle Profile 30x30x4



Angle Profile 35x35x4



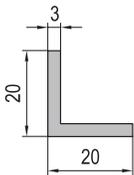
Angle Profile 50x50x9



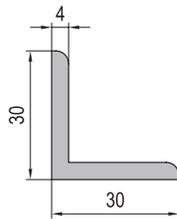
Angle Profile 100x100x15

Los Perfiles Ángulo son utilizados para la generación de perfiles de conexión angulares. También son utilizados para una variedad de soluciones debido a su gran flexibilidad. La superficie del perfil puede tener diferentes terminaciones, como ser anodizado natural, anodizado color negro, pintura electroforética, etc.

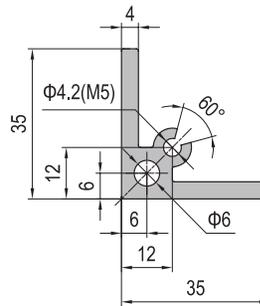
Angle Profile 20x20x3



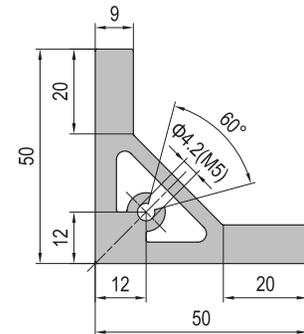
Angle Profile 30x30x4



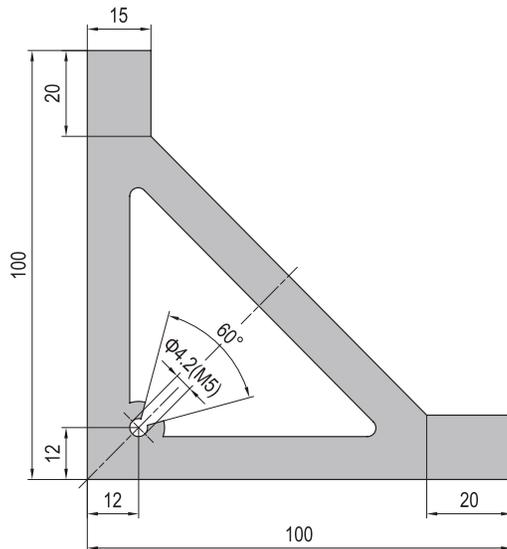
Angle Profile 35x35x4



Angle Profile 50x50x9



Angle Profile 100x100x15



Descripción	Masa (kg/m)	Part No.
Angle Profile 20x20x3	0.3	1.31.2020.03
Angle Profile 30x30x4	0.6	1.31.3030.04
Angle Profile 35x35x4	0.9	1.31.3535.04
Angle Profile 50x50x9	2.3	1.31.5050.09
Angle Profile 100x100x15	8.5	1.31.100100.15

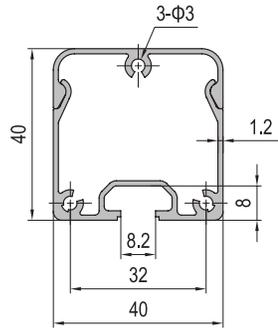
NOTA: El largo máximo del perfil ángulo 100x100x15 es 4000m.
El resto de los perfiles ángulo tienen un largo estándar de 5800mm.

Perfiles Especiales

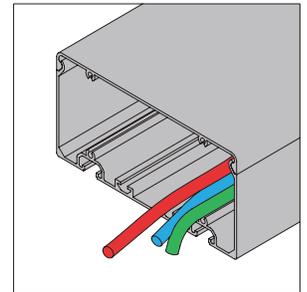
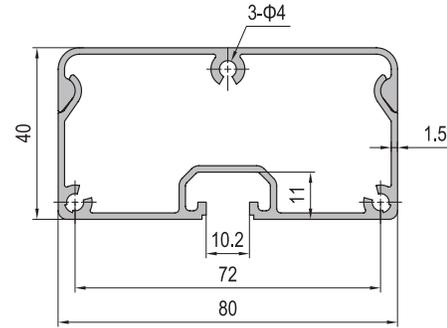
Special Profile

Los perfiles para canalización eléctrica poseen ranuras tipo T que permite la conexión rápida y sencilla a la estructura de la máquina. Su tapa desmontable hace muy práctica la ejecución de la instalación eléctrica.

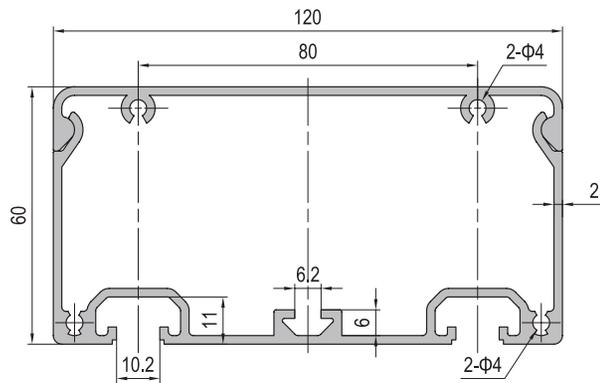
Conduit Profile-40x40



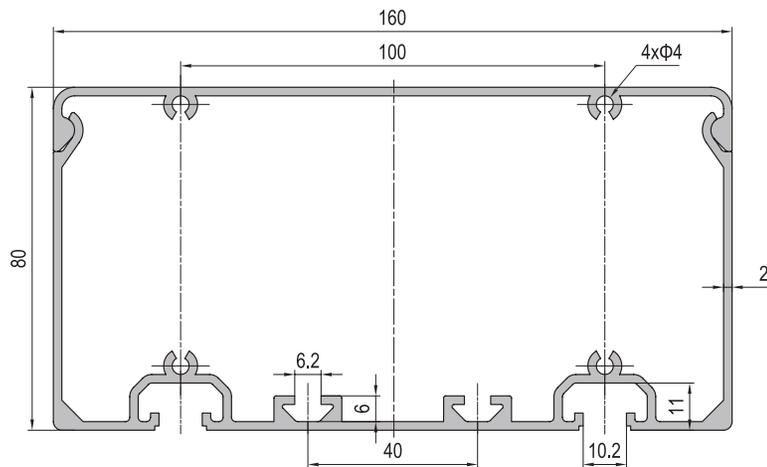
Conduit Profile-40x80



Conduit Profile-60x120



Conduit Profile-80x160



Descripción	Masa (kg/m)	Part No.
Conduit Profile 40x40	0.82	1.41.40.040040
Conduit Profile 40x80	1.41	1.41.40.040080
Conduit Profile 60x120	2.80	1.41.60.060120
Conduit Profile 80x160	3.64	1.41.40.080160



2.11-2.51

Tuerca tipo "Pre-set"
Pre-set Nut

Camisa de Posición para Tuerca tipo "Pre-Set"
Locating Sleeve for Pre-set Nut

Tuerca Cuadrada
Square Nut

Tuerca tipo T
T Nut

Tuerca para Igualar Potencial
Potential Equaliser Nut

Tuerca tipo "Subsequent"
Subsequent Nut

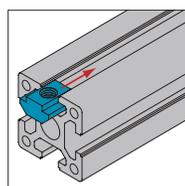
Tuerca Anti-Torsión
Anti-Torsion Subsequent Nut

Perno tipo T
T Bolt

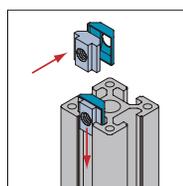
2

Elementos de Fijación

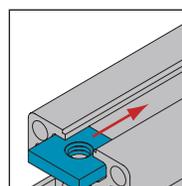
Fastening Elements



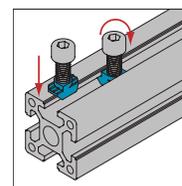
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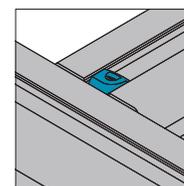
2.11.02



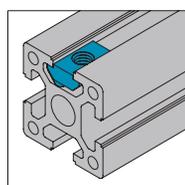
2.12.01



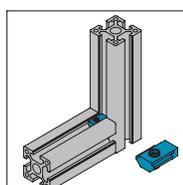
2.21.01



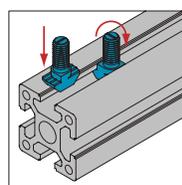
2.22.01



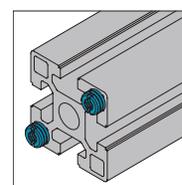
2.31.01



2.32.01



2.41.01



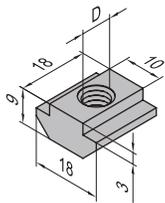
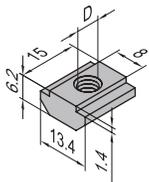
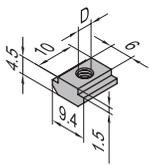
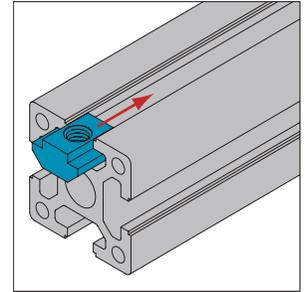
2.51.01

Elementos de Fijación
Fastening Elements

Tuerca tipo "Pre-set"
Pre-set Nut

La Tuerca tipo "Pre-set" puede ser colocada en la ranura tipo T sólo desde el extremo del perfil.

Material: Acero niquelado



Descripción	D	Material	Masa (g/pcs)	Part No.
Pre-set Nut-6-M4	M4	nickel plated steel	3	2.11.06.M4
Pre-set Nut-6-M5	M5	nickel plated steel	3	2.11.06.M5

Descripción	D	Material	Masa (g/pcs)	Part No.
Pre-set Nut-8-M4	M4	nickel plated steel	8	2.11.08.M4
Pre-set Nut-8-M5	M5	nickel plated steel	8	2.11.08.M5
Pre-set Nut-8-M6	M6	nickel plated steel	8	2.11.08.M6

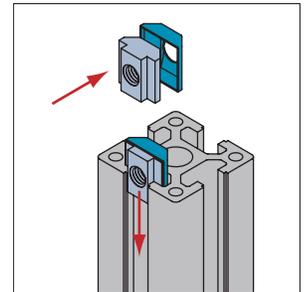
Descripción	D	Material	Masa (g/pcs)	Part No.
Pre-set Nut-10-M4	M4	nickel plated steel	16	2.11.10.M4
Pre-set Nut-10-M5	M5	nickel plated steel	16	2.11.10.M5
Pre-set Nut-10-M6	M6	nickel plated steel	16	2.11.10.M6
Pre-set Nut-10-M8	M8	nickel plated steel	16	2.11.10.M8

Elementos de Fijación

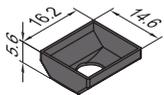
Fastening Elements

Camisa de Posición para Tuerca tipo "Pre-set"
Locating Sleeve for Pre-set Nut

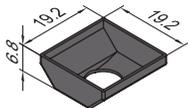
La Camisa de Posición para Tuerca tipo "Pre-set" se utiliza para evitar que la misma no deslice a través de la ranura tipo T del perfil una vez que fue colocada en la posición deseada. Es especialmente útil en ensamblajes que requieren ubicar la tuerca en posición vertical.



Material: EVA



Descripción	Material	Masa (g/pcs)	Part No.
Pre-set Nut Sleeve-8	EVA	0.3	2.11.08.01

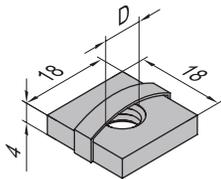
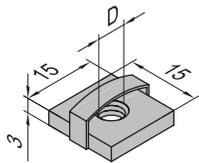
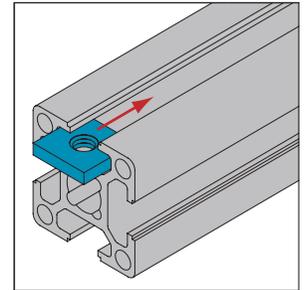


Descripción	Material	Masa (g/pcs)	Part No.
Pre-set Nut Sleeve-10	EVA	0.4	2.11.10.01

Elementos de Fijación
Fastening Elements
Tuerca Cuadrada
Square Nut

La Tuerca Cuadrada puede ser colocada en la ranura tipo T sólo desde el extremo del perfil.

Material: Acero al carbono zincado



Descripción	D	Material	Masa (g/pcs)	Part No.
Square Nut-8-M4	M4	zinc plated steel	5	2.12.08.M4
Square Nut-8-M5	M5	zinc plated steel	5	2.12.08.M5
Square Nut-8-M6	M6	zinc plated steel	5	2.12.08.M6

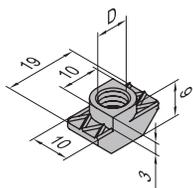
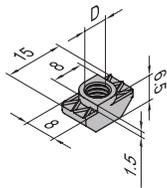
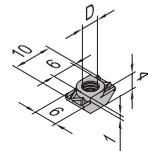
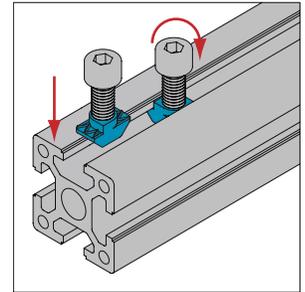
Descripción	D	Material	Masa (g/pcs)	Part No.
Square Nut-10-M4	M4	zinc plated steel	9	2.12.10.M4
Square Nut-10-M5	M5	zinc plated steel	9	2.12.10.M5
Square Nut-10-M6	M6	zinc plated steel	9	2.12.10.M6
Square Nut-10-M8	M8	zinc plated steel	9	2.12.10.M8

Elementos de Fijación
Fastening Elements

Tuerca tipo T
T Nut

La Tuerca Cuadrada puede ser colocada en la ranura tipo T desde cualquier zona del perfil.

Material: Acero al carbono niquelado



Descripción	D	Material	Masa (g/pcs)	Part No.
T Nut-6-M4	M4	nickel plated steel	2	2.21.06.M4
T Nut-6-M5	M5	nickel plated steel	2	2.21.06.M5

Descripción	D	Material	Masa (g/pcs)	Part No.
T Nut-8-M4	M4	nickel plated steel	4	2.21.08.M4
T Nut-8-M5	M5	nickel plated steel	4	2.21.08.M5
T Nut-8-M6	M6	nickel plated steel	3	2.21.08.M6

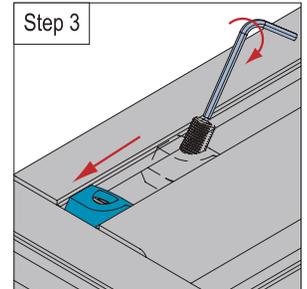
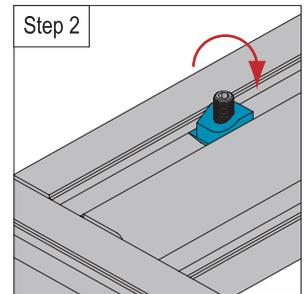
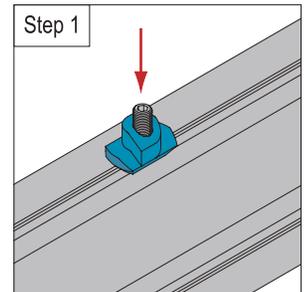
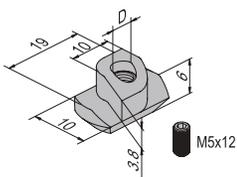
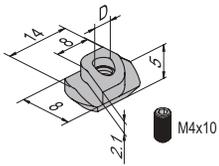
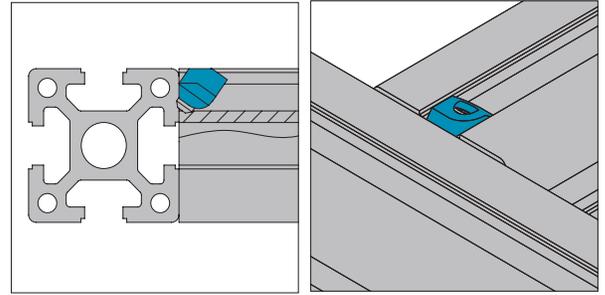
Descripción	D	Material	Masa (g/pcs)	Part No.
T Nut-10-M4	M4	nickel plated steel	8	2.21.10.M4
T Nut-10-M5	M5	nickel plated steel	8	2.21.10.M5
T Nut-10-M6	M6	nickel plated steel	7	2.21.10.M6
T Nut-10-M8	M8	nickel plated steel	6	2.21.10.M8

Elementos de Fijación

Fastening Elements

Tuerca para Igualar Potencial Potential Equaliser Nut

La Tuerca para Igualar Potencial se coloca girada 45° en la ranura T del perfil de aluminio. El prisionero se rosca contra la unión de ambos perfiles para desbastar la capa anódica y crear una conexión que permite conducir electricidad. De esta forma se puede asegurar que las posibles cargas eléctricas que existan en los perfiles individuales queden balanceadas.



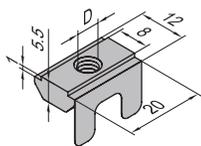
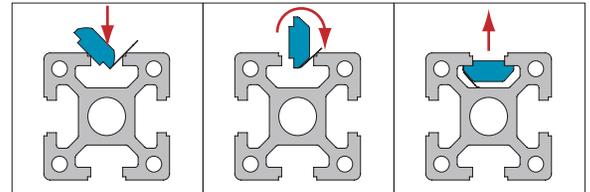
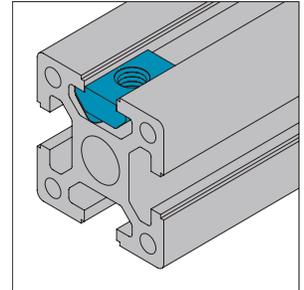
Descripción	D	Material	Masa (g/pcs)	Part No.
Potential Equaliser Nut-8-M4 (with top thread)	M4	diecast zinc	3	2.22.08.M4
Potential Equaliser Nut-10-M5 (with top thread)	M5	diecast zinc	7	2.22.10.M5

Elementos de Fijación
Fastening Elements

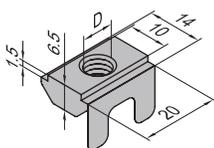
Tuerca tipo "Subsequent"
Subsequent Nut

La Tuerca tipo "Subsequent" puede ser colocada en la ranura tipo T desde cualquier zona del perfil con la característica adicional de la hoja de resorte que la mantiene en su posición.

Material: Acero al carbono zincado



Descripción	D	Material	Masa (g/pcs)	Part No.
Subsequent Nut -8-M4	M4	zinc plated steel	5	2.31.08.M4
Subsequent Nut -8-M5	M5	zinc plated steel	5	2.31.08.M5
Subsequent Nut -8-M6	M6	zinc plated steel	5	2.31.08.M6
Subsequent Nut -8-M8	M8	zinc plated steel	5	2.31.08.M8



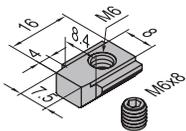
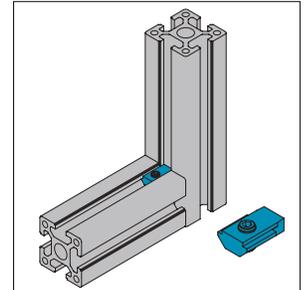
Descripción	D	Material	Masa (g/pcs)	Part No.
Subsequent Nut -10-M4	M4	zinc plated steel	8	2.31.10.M4
Subsequent Nut -10-M5	M5	zinc plated steel	8	2.31.10.M5
Subsequent Nut -10-M6	M6	zinc plated steel	8	2.31.10.M6
Subsequent Nut -10-M8	M8	zinc plated steel	8	2.31.10.M8

Elementos de Fijación
Fastening Elements

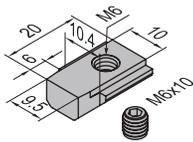
Tuerca tipo "Subsequent" anti-torsión
Anti-torsion Subsequent Nut

La Tuerca tipo "Subsequent" anti-torsión puede ser colocada en la ranura tipo T sólo desde el extremo del perfil y se utiliza para prevenir que la conexión entre dos perfiles pierda la escuadra.

Material: Acero al carbono niquelado



Descripción	Material	Masa (g/pcs)	Part No.
Anti-torsional Subsequent Nut-8 (with top thread)	nickel plated steel	10	2.32.08.M6



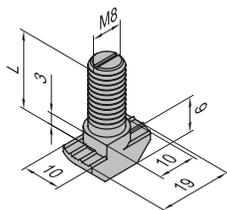
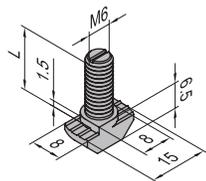
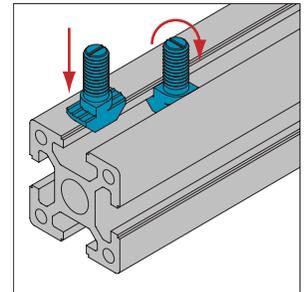
Descripción	Material	Masa (g/pcs)	Part No.
Anti-torsional Subsequent Nut-10 (with top thread)	nickel plated steel	15	2.32.10.M6

Elementos de Fijación
Fastening Elements

Perno tipo T
T Bolt

El Perno tipo T puede ser colocado en la ranura tipo T desde cualquier zona del perfil.

Material: Acero al carbono niquelado.



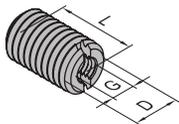
Descripción	L (mm)	Material	Masa (g/pcs)	Part No.
T Bolt-8-16	16	nickel plated steel	7	2.41.08.16
T Bolt-8-20	20	nickel plated steel	8	2.41.08.20
T Bolt-8-25	25	nickel plated steel	9	2.41.08.25

Descripción	L (mm)	Material	Masa (g/pcs)	Part No.
T Bolt-10-20	20	nickel plated steel	13	2.41.10.20
T Bolt-10-25	25	nickel plated steel	15	2.41.10.25
T Bolt-10-30	30	nickel plated steel	17	2.41.10.30

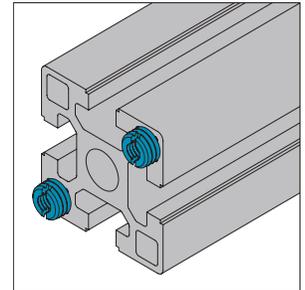
Elementos de Fijación
Fastening Elements

Perno Reductor de Diámetro
Hole Reducer Bolt

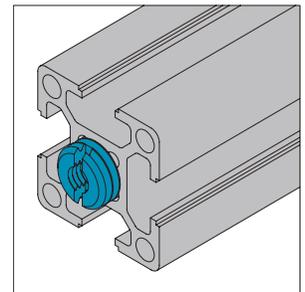
El Perno Reductor de Diámetro permite colocar un tornillo de menor medida que la del agujero existente.



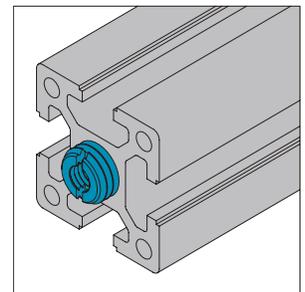
Descripción	D	G	L (mm)	Material	Masa (g/pcs)	Part No.
Hole Reducer Bolt-M10/M6	M10	M6	15	nickel plated steel	8	2.51.10.06
				zinc plated steel		2.52.10.06
Hole Reducer Bolt-M12/M6	M12	M6	20	nickel plated steel	11	2.51.12.06
				zinc plated steel		2.52.12.06
Hole Reducer Bolt-M14/M8	M14	M8	20	nickel plated steel	14	2.51.14.08
				zinc plated steel		2.52.14.08
Hole Reducer Bolt-M16/M8	M16	M8	20	nickel plated steel	19	2.51.16.08
				zinc plated steel		2.52.16.08



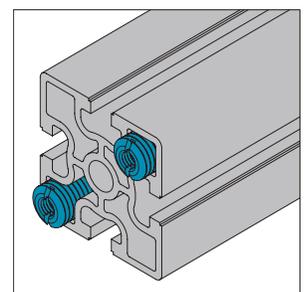
Hole Reducer Bolt M10/M6
PG45 with square corner hole-8x8(M10)



Hole Reducer Bolt M12/M6
PG30 with core hole- Φ 10(M12)



Hole Reducer Bolt M14/M8
PG40/PG45/PG50/PG60 with core hole- Φ 12(M14)



Hole Reducer Bolt M16/M8
PG60 with square corner hole-14x14(M16)



3.11-3.92

Conector de Anclaje
Anchor Connector

Soporte de Fundición
Die Cast Bracket

Soporte de Perfil Ángulo
Angle Profile Bracket

Soporte Interior
Inner Bracket

Barra de Conexión
Linear Bar Connector

Platina de Unión
Joining Plate

Conector de Tope
Butt Connector

Conector de Extremo
End Connector

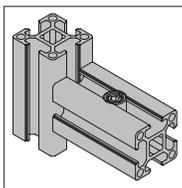
Conector de Tornillo
Screw Connector

Conector Cúbico
Cubic Connector

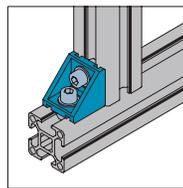
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Elementos de Conexión

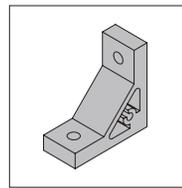
Connecting Elements



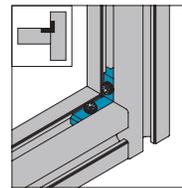
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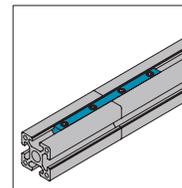
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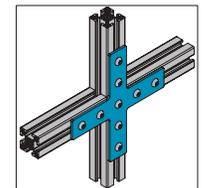
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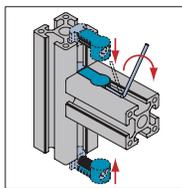
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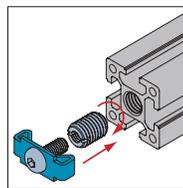
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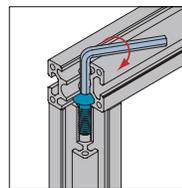
3.53.01



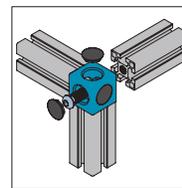
3.61.01



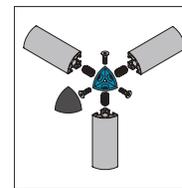
3.71.01



3.81.01



3.91.01



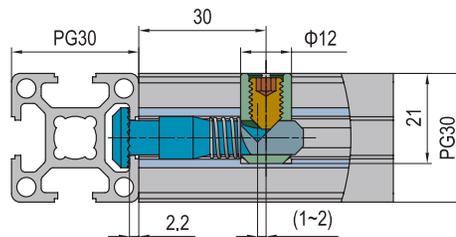
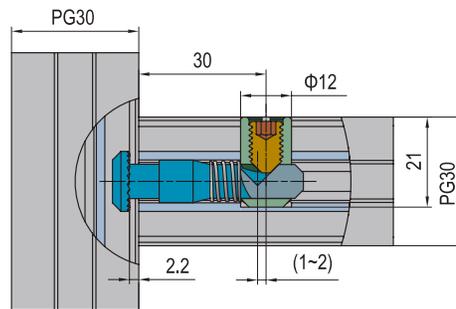
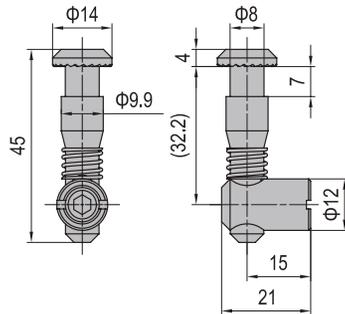
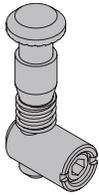
3.92.01

Elementos de Conexión

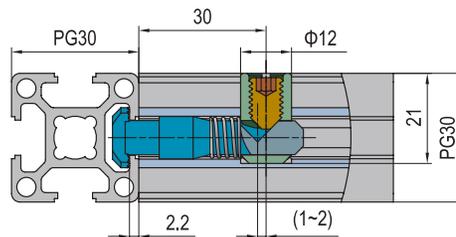
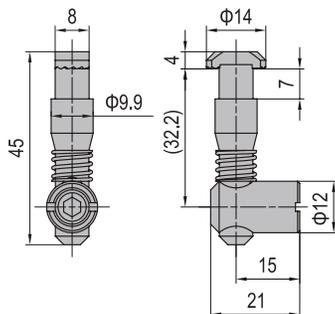
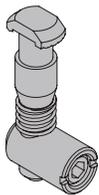
Connecting Elements

 Conector de Anclaje
Anchor Connector

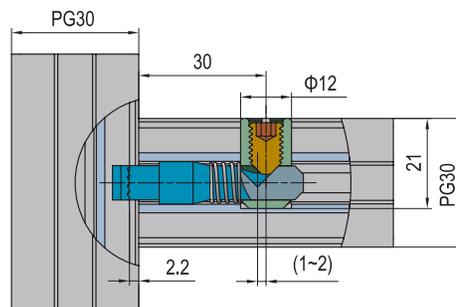
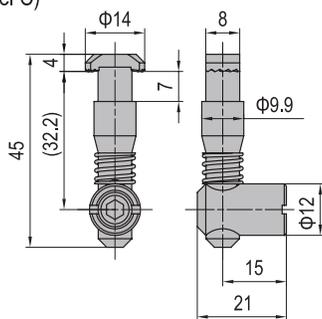
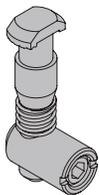

PG30-Universal



PG30-Standard (Model P)



PG30-Standard (Model C)

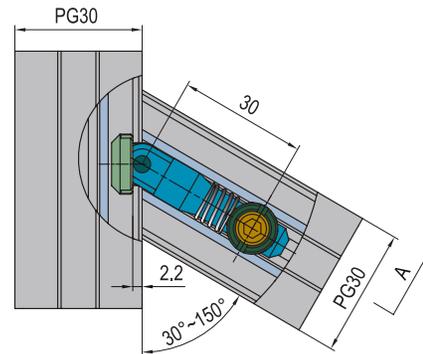
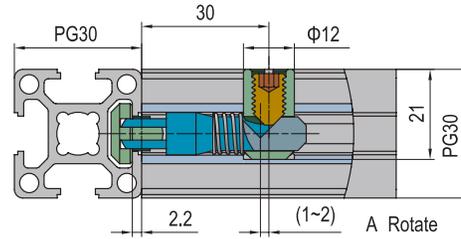
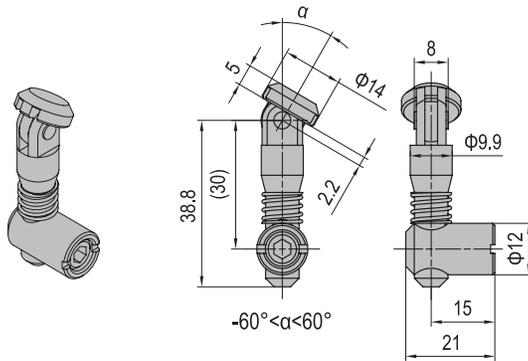


Descripción	Material	Masa (g/unit)	Part No.
Anchor Connector-PG30-Universal	zinc plated steel	39	3.11.30.01
Anchor Connector-PG30-Standard (Model P)	zinc plated steel	38	3.11.30.02
Anchor Connector-PG30-Standard (Model C)	zinc plated steel	38	3.11.30.03

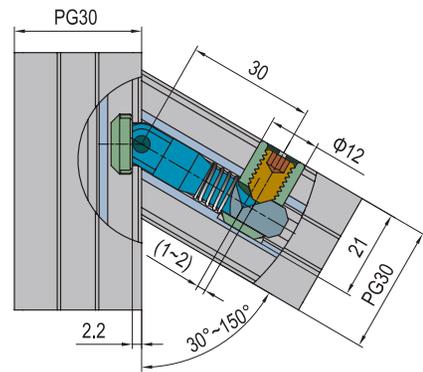
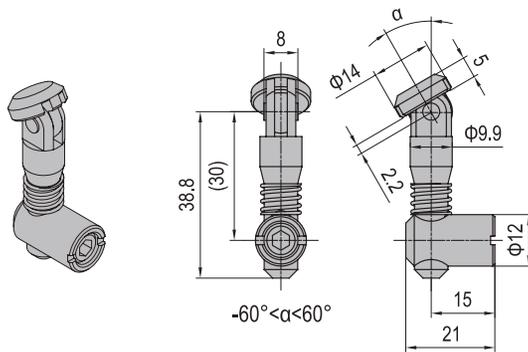
Elementos de Conexión
Connecting Elements

 Conector de Anclaje
 Anchor Connector


PG30-Oblique (Model P)



PG30-Oblique (Model C)



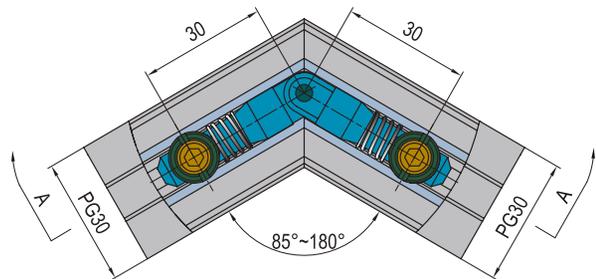
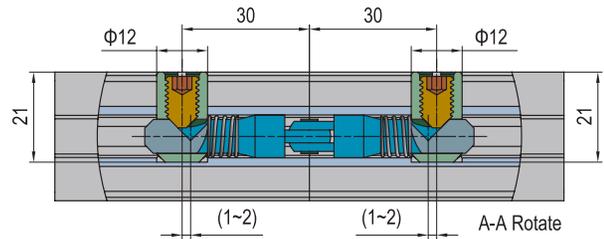
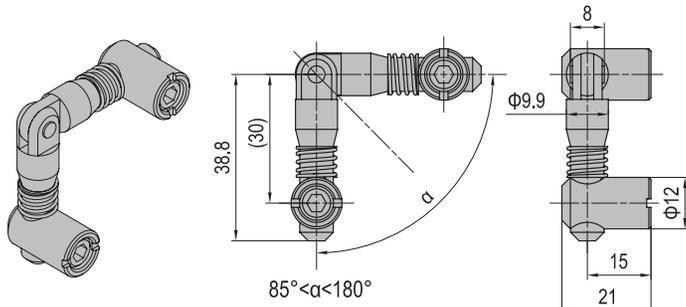
Descripción	Material	Masa (g/unit)	Part No.
Anchor Connector-PG30-Oblique (Model P)	zinc plated steel	55	3.11.30.04
Anchor Connector-PG30-Oblique (Model C)	zinc plated steel	55	3.11.30.05

Elementos de Conexión
Connecting Elements

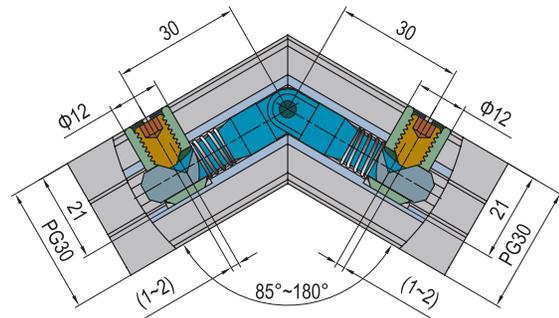
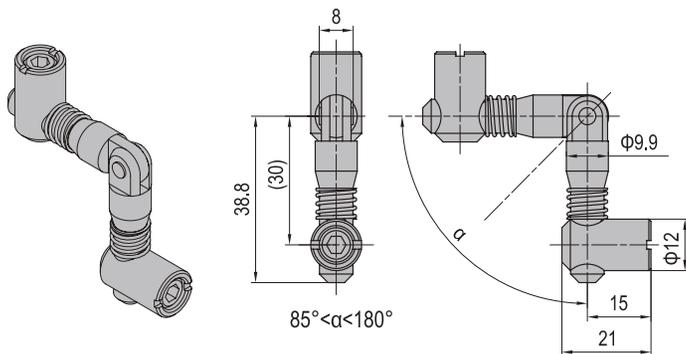
Conector de Anclaje
Anchor Connector



PG30-Miter (Model P)



PG30-Miter (Model C)



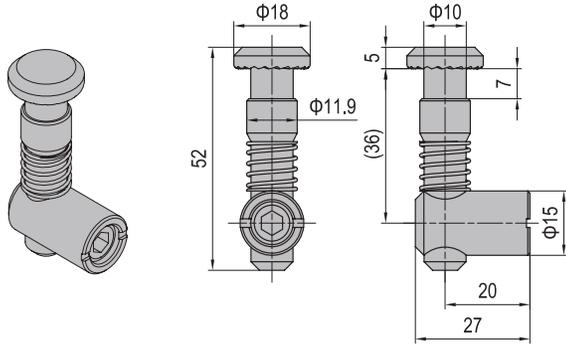
Descripción	Material	Masa (g/unit)	Part No.
Anchor Connector-PG30-Miter (Model P)	zinc plated steel	63	3.11.30.06
Anchor Connector-PG30-Miter (Model C)	zinc plated steel	63	3.11.30.07

Elementos de Conexión
Connecting Elements

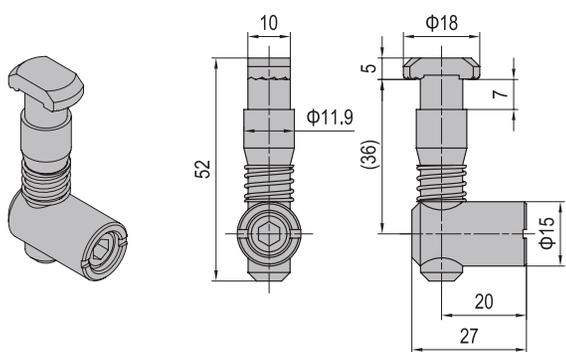
Conector de Anclaje
Anchor Connector



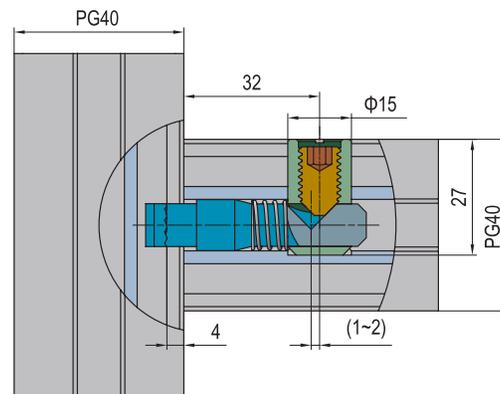
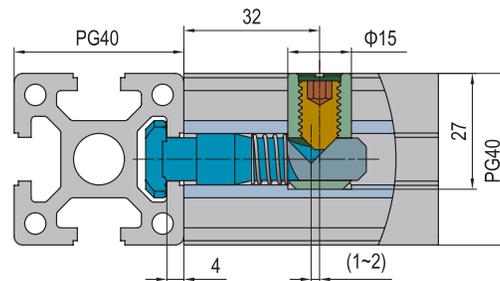
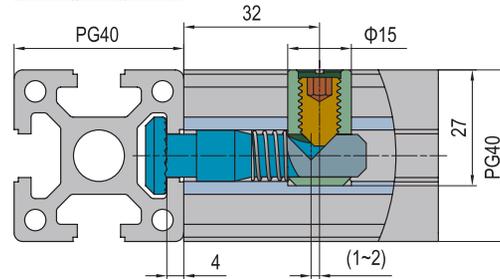
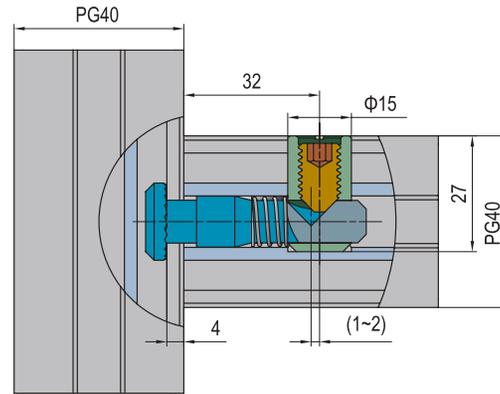
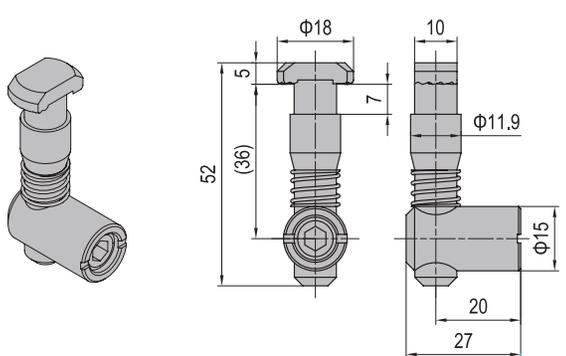
PG40-Universal



PG40-Standard (Model P)



PG40-Standard (Model C)



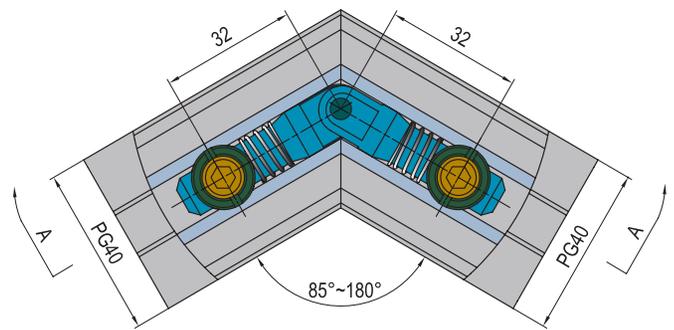
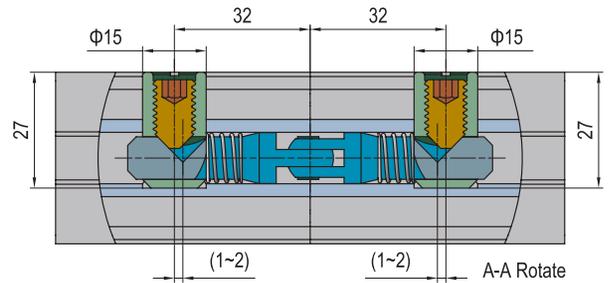
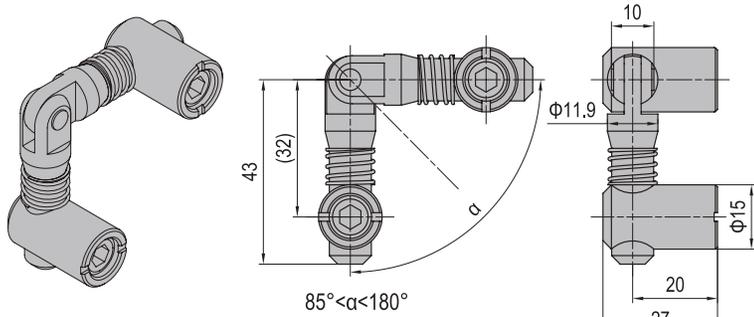
Descripción	Material	Masa (g/unit)	Part No.
Anchor Connector-PG40-Universal	zinc plated steel	62	3.11.40.01
Anchor Connector-PG40-Standard (Model P)	zinc plated steel	58	3.11.40.02
Anchor Connector-PG40-Standard (Model C)	zinc plated steel	58	3.11.40.03

Elementos de Conexión
Connecting Elements

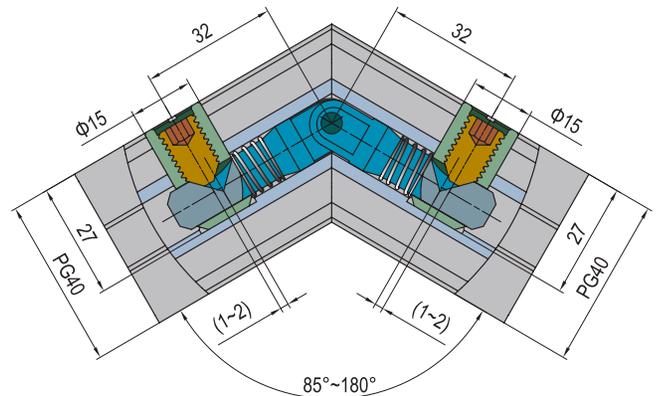
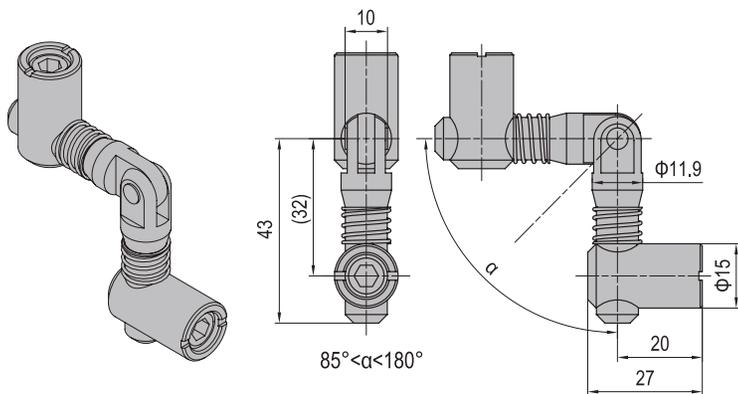
Conector de Anclaje
Anchor Connector



PG40-Miter (Model P)



PG40-Miter (Model C)



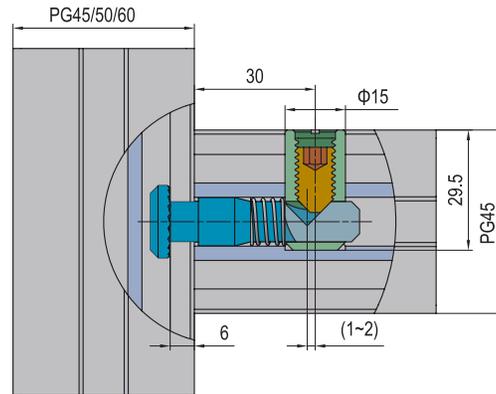
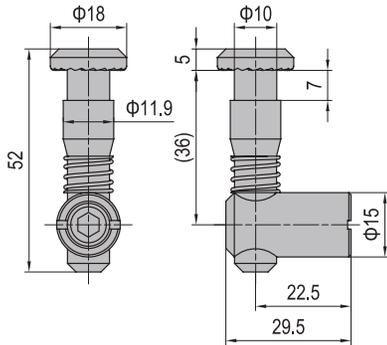
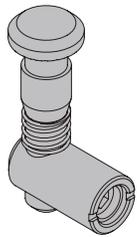
Descripción	Material	Masa (g/unit)	Part No.
Anchor Connector-PG40-Miter (Model P)	zinc plated steel	97	3.11.40.06
Anchor Connector-PG40-Miter (Model C)	zinc plated steel	97	3.11.40.07

Elementos de Conexión
Connecting Elements

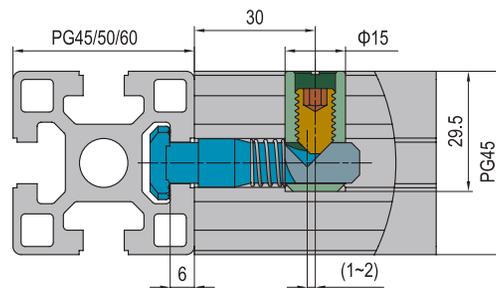
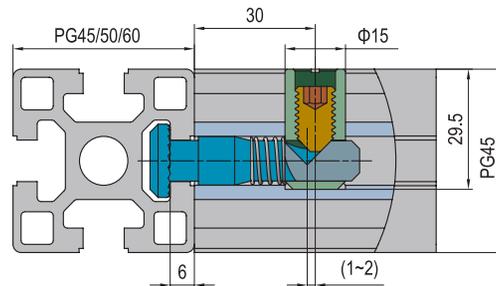
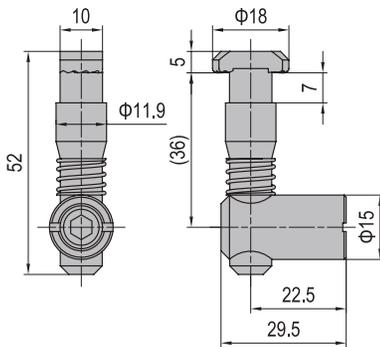
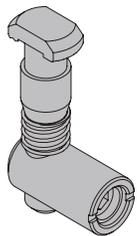
Conector de Anclaje
Anchor Connector



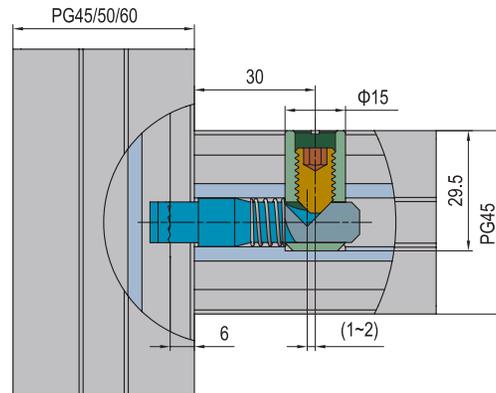
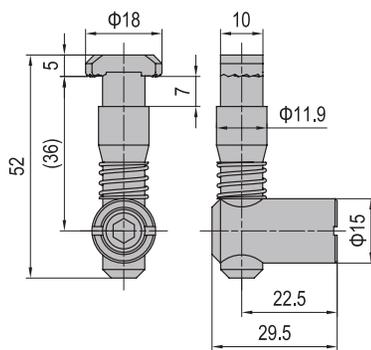
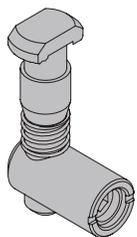
PG45-Universal



PG45-Standard (Model P)



PG45-Standard (Model C)



Descripción	Material	Masa (g/unit)	Part No.
Anchor Connector-PG45-Universal	zinc plated steel	64	3.11.45.01
Anchor Connector-PG45-Standard (Model P)	zinc plated steel	60	3.11.45.02
Anchor Connector-PG45-Standard (Model C)	zinc plated steel	60	3.11.45.03

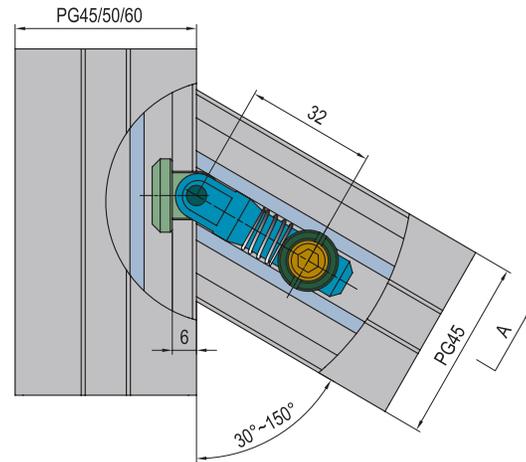
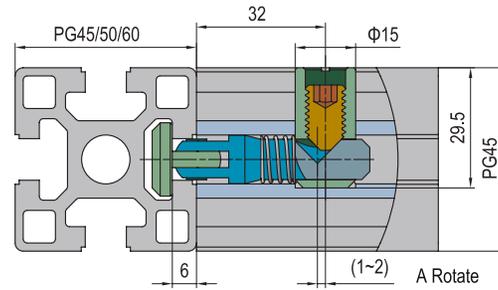
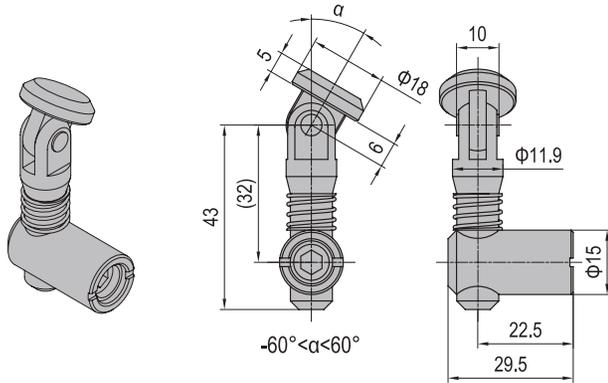
Elementos de Conexión

Connecting Elements

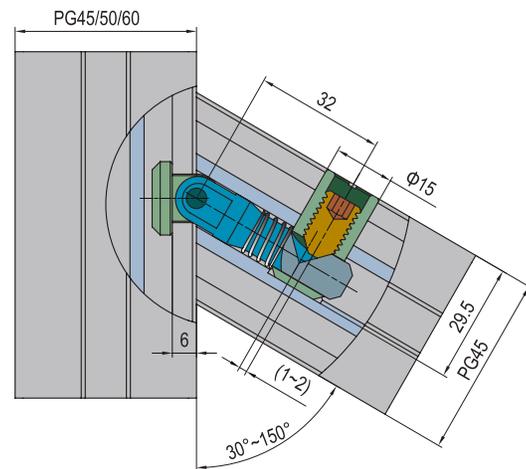
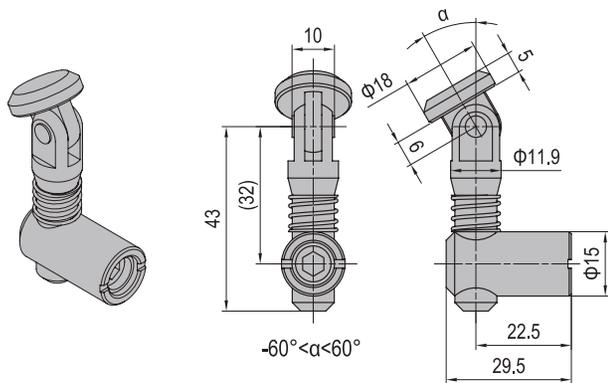
Conector de Anclaje
Anchor Connector



PG45-Oblique (Model P)



PG45-Oblique (Model C)



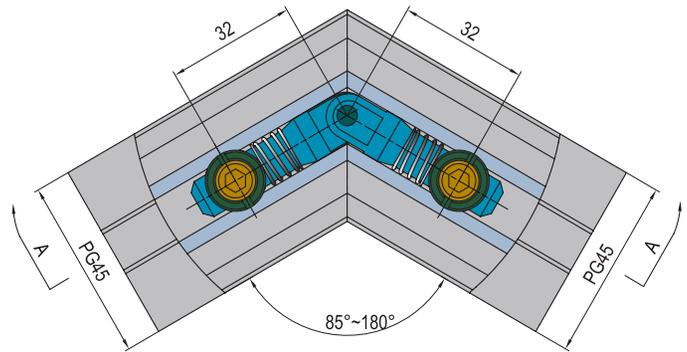
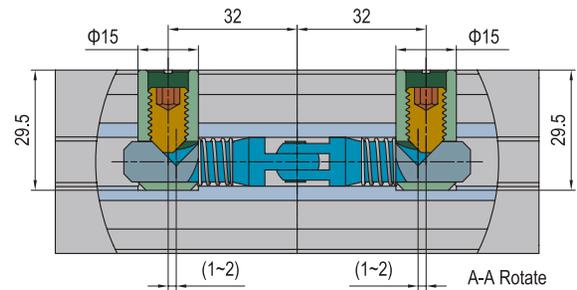
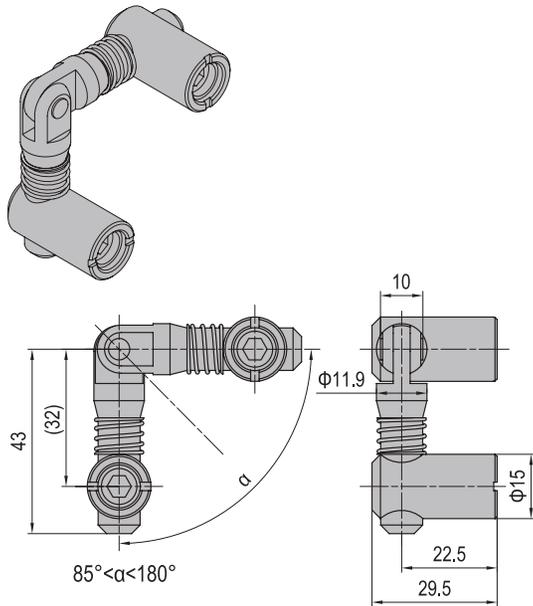
Descripción	Material	Masa (g/unit)	Part No.
Anchor Connector-PG45-Oblique (Model P)	zinc plated steel	78	3.11.45.04
Anchor Connector-PG45-Oblique (Model C)	zinc plated steel	78	3.11.45.05

Elementos de Conexión
Connecting Elements

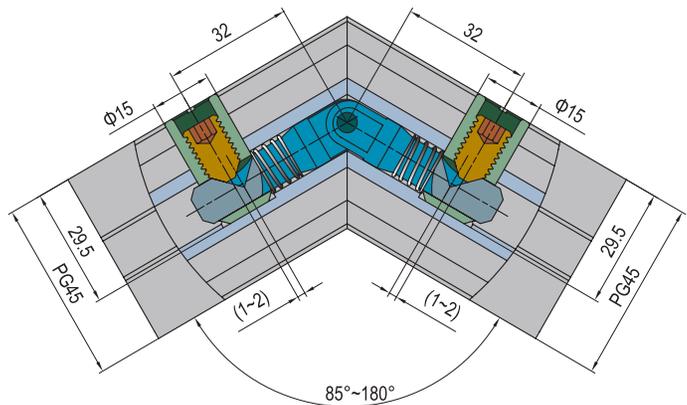
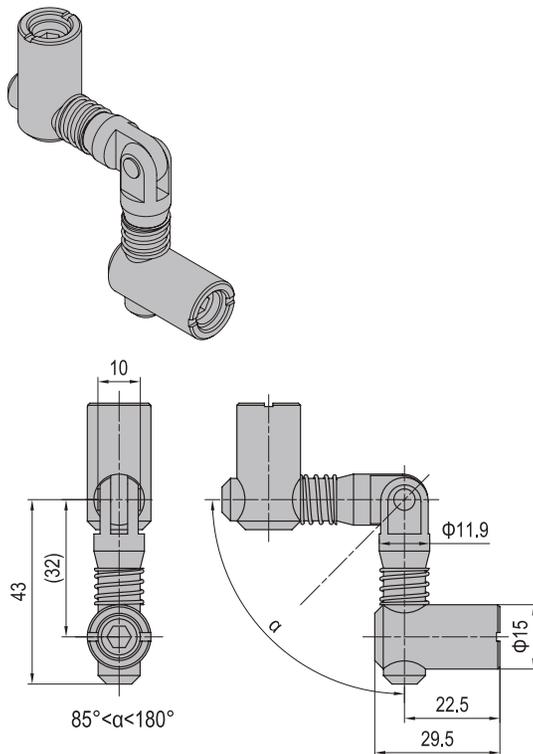
Conector de Anclaje
Anchor Connector



PG45-Miter (Model P)



PG45-Miter (Model C)



Descripción	Material	Masa (g/unit)	Part No.
Anchor Connector-PG45-Miter (Model P)	zinc plated steel	100	3.11.45.06
Anchor Connector-PG45-Miter (Model C)	zinc plated steel	100	3.11.45.07

Elementos de Conexión

Connecting Elements

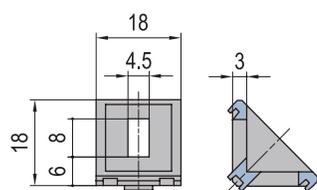
Soporte de fundición PG20

Die Cast Bracket PG20

Material: Fundición de aluminio



PG20-20x20



M	Fastening Set	Z	Fastening Set
	M4x6 Bolt zinc plated		M4x6 Bolt zinc plated
	M4 T Nut nickel plated		M4 Pre-set Nut nickel plated

Descripción	Fastening Set	Masa (g)	Part No.
PG20-20x20 (pcs)		5	3.21.20.2020
PG20-20x20 (set M)	2xM	12	3.21.20.2020.STM
PG20-20x20 (set Z)	2xZ	12	3.21.20.2020.STZ

Elementos de Conexión
Connecting Elements

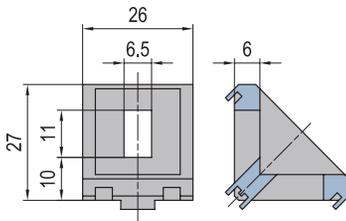
Soporte de fundición PG30
Die Cast Bracket PG30

Material: Fundición de aluminio

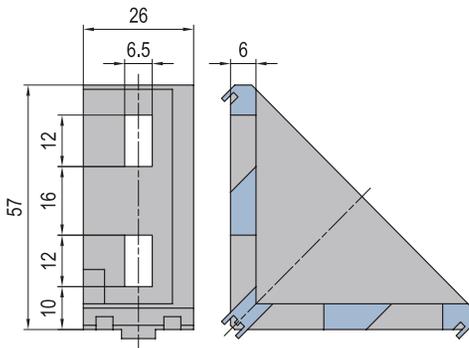


A	Fastening Set	B	Fastening Set
	M6x14 Bolt zinc plated		M6x14 Bolt zinc plated
	M5 Washer zinc plated		M6 Washer zinc plated
	M5 T Nut nickel plated		M6 Pre-set Nut nickel plated

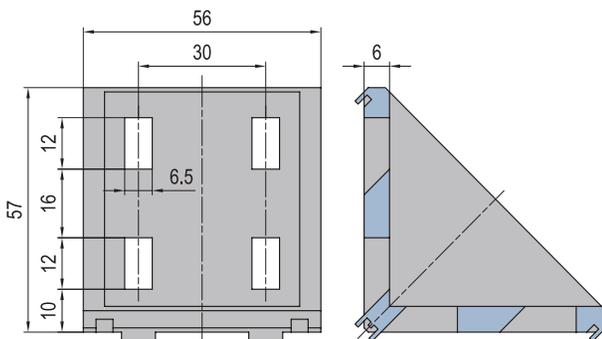
PG30-30x30



PG30-30x60



PG30-60x60



Descripción	Fastening Set	Masa (g)	Part No.
PG30-30x30 (pcs)		21	3.21.30.3030
PG30-30x30 (set A)	2xA	42	3.21.30.3030.STA
PG30-30x30 (set B)	2xB	48	3.21.30.3030.STB
PG30-30x60 (pcs)		53	3.21.30.3060
PG30-30x60 (set A)	4xA	93	3.21.30.3060.STA
PG30-30x60 (set B)	4xB	105	3.21.30.3060.STB
PG30-60x60 (pcs)		120	3.21.30.6060
PG30-60x60 (set A)	8xA	200	3.21.30.6060.STA
PG30-60x60 (set B)	8xB	224	3.21.30.6060.STB

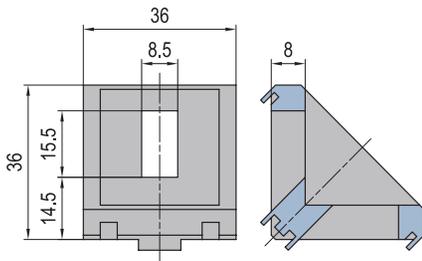
Elementos de Conexión
Connecting Elements

Soporte de fundición PG30
Die Cast Bracket PG30

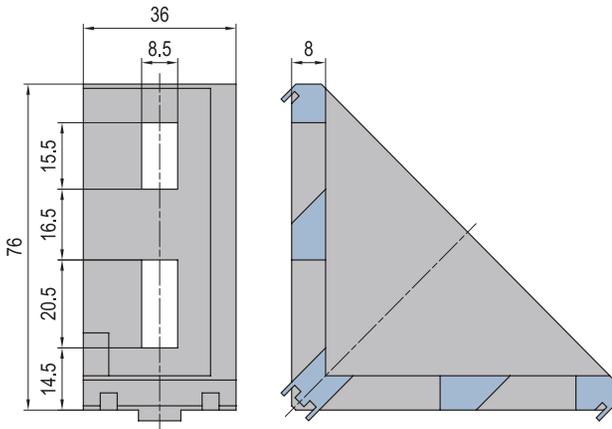
Material: Fundición de aluminio



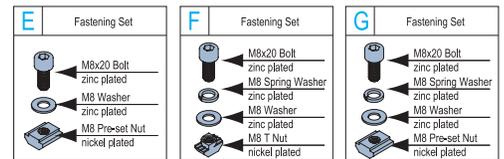
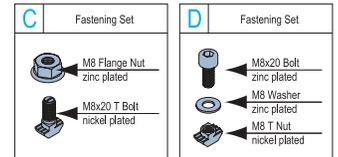
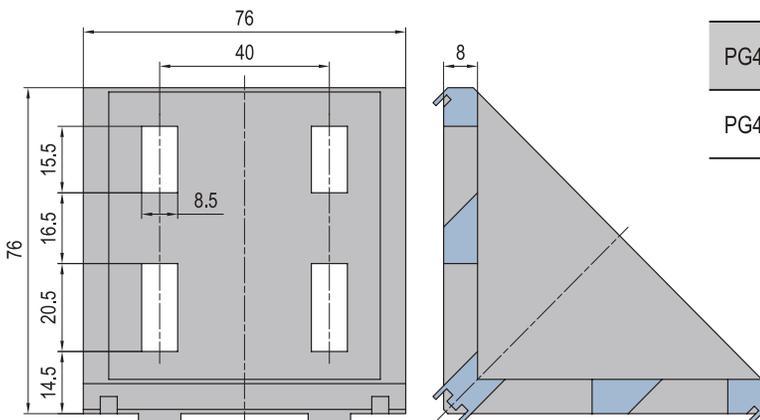
PG40-40x40



PG40-40x80



PG40-80x80

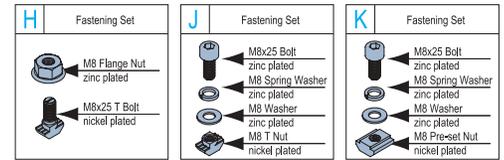


Descripción	Fastening Set	Masa (g)	Part No.
PG40-40x40 (pcs)		50	3.21.40.4040
PG40-40x40 (set C)	2xC	92	3.21.40.4040.STC
PG40-40x40 (set D)	2xD	92	3.21.40.4040.STD
PG40-40x40 (set E)	2xE	106	3.21.40.4040.STE
PG40-40x80 (pcs)		125	3.21.40.4080
PG40-40x80 (set C)	4xC	210	3.21.40.4080.STC
PG40-40x80 (set F)	4xF	220	3.21.40.4080.STF
PG40-40x80 (set G)	4xG	250	3.21.40.4080.STG
PG40-80x80 (pcs)		260	3.21.40.8080
PG40-80x80 (set C)	8xC	428	3.21.40.8080.STC
PG40-80x80 (set F)	8xF	452	3.21.40.8080.STF
PG40-80x80 (set G)	8xG	508	3.21.40.8080.STG

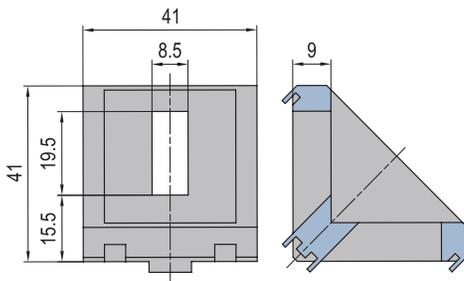
Elementos de Conexión
Connecting Elements

Soporte de fundición PG45
Die Cast Bracket PG45

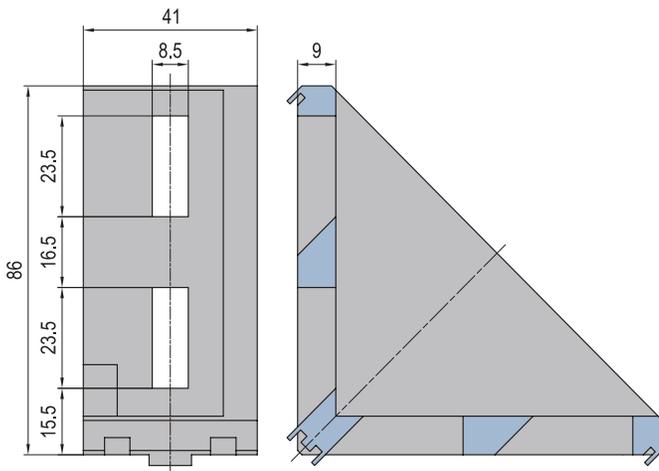
Material: Fundición de aluminio.



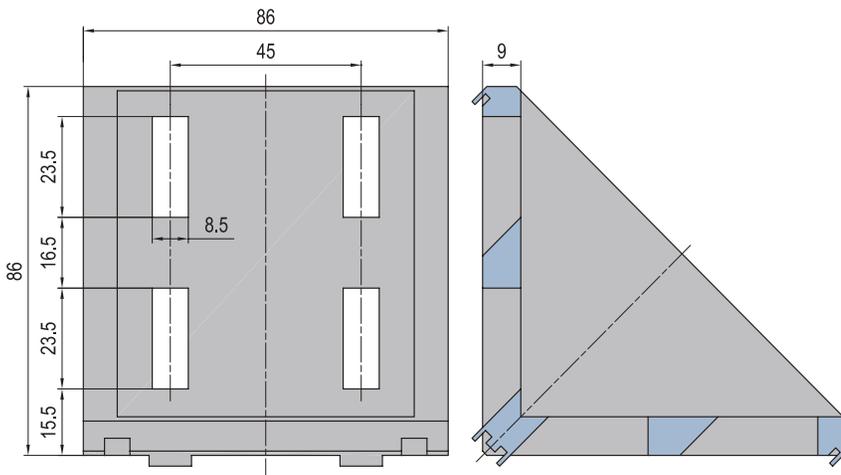
PG45-45x45



PG45-45x90



PG45-90x90



Descripción	Fastening Set	Masa (g)	Part No.
PG45-45x45 (pcs)		72	3.21.45.4545
PG45-45x45 (set H)	2xH	118	3.21.45.4545.STH
PG45-45x45 (set J)	2xJ	122	3.21.45.4545.STJ
PG45-45x45 (set K)	2xK	134	3.21.45.4545.STK
PG45-45x90 (pcs)		190	3.21.45.4590
PG45-45x90 (set H)	4xH	282	3.21.45.4590.STH
PG45-45x90 (set J)	4xJ	290	3.21.45.4590.STJ
PG45-45x90 (set K)	4xK	314	3.21.45.4590.STK
PG45-90x90 (pcs)		390	3.21.45.9090
PG45-90x90 (set H)	8xH	574	3.21.45.9090.STH
PG45-90x90 (set J)	8xJ	590	3.21.45.9090.STJ
PG45-90x90 (set K)	8xK	638	3.21.45.9090.STK

Elementos de Conexión

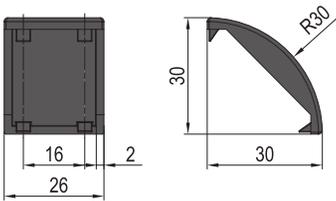
Connecting Elements

Tapa para soporte de fundición PG30
Bracket Cover Cap PG30

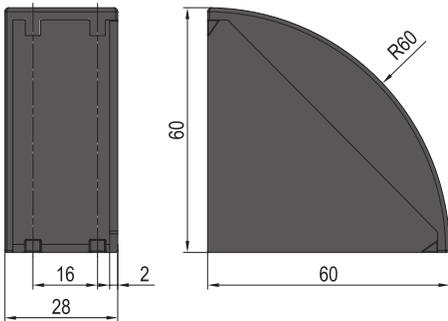
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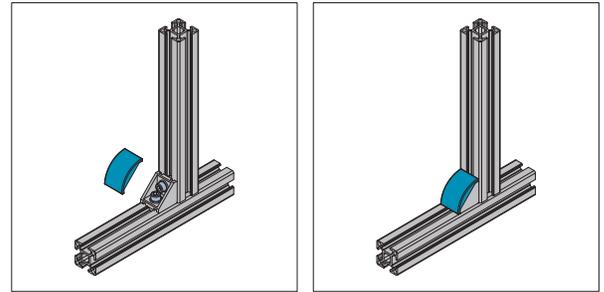
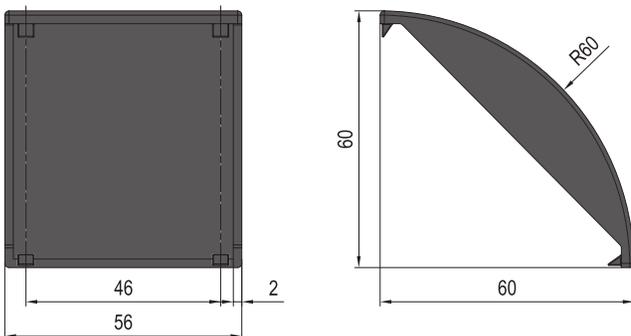
PG30-30x30



PG30-30x60



PG30-60x60



Descripción	Masa (g)	Part No.
PG30-30x30	3	3.22.30.3030
PG30-30x60	12.4	3.22.30.3060
PG30-60x60	13.9	3.22.30.6060

Elementos de Conexión

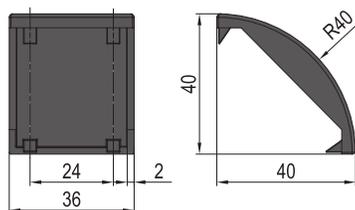
Connecting Elements

Tapa para soporte de fundición PG40
Bracket Cover Cap PG40

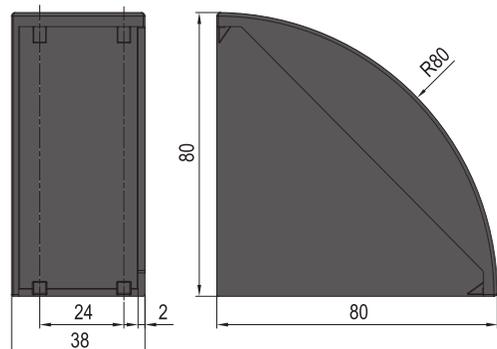
Material y color: ABS negro



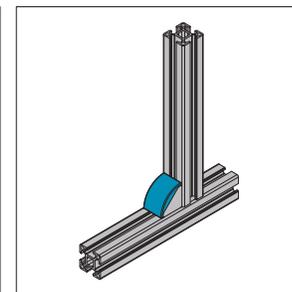
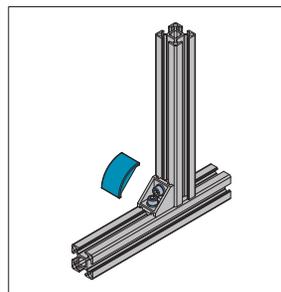
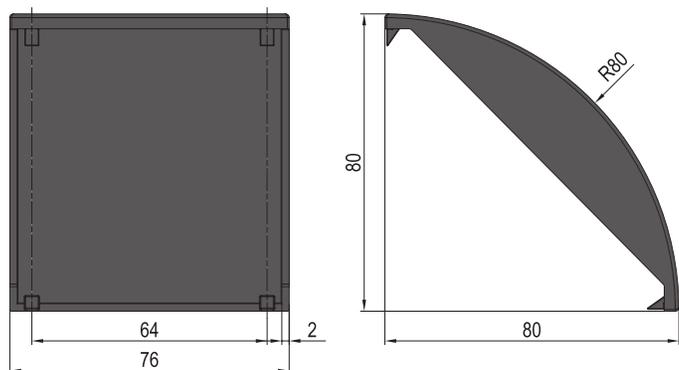
PG40-40x40



PG40-40x80



PG40-80x80



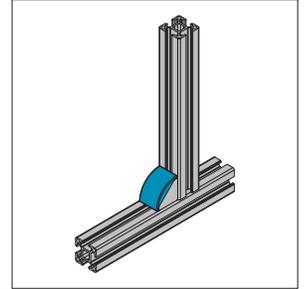
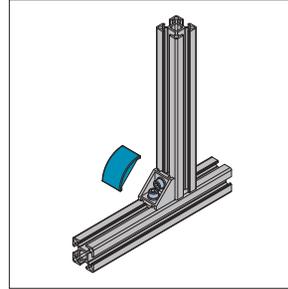
Descripción	Masa (g)	Part No.
PG40-40x40	6	3.22.40.4040
PG40-40x80	22.6	3.22.40.4080
PG40-80x80	25.6	3.22.40.8080

Elementos de Conexión

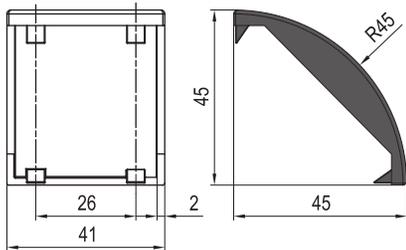
Connecting Elements

Tapa para soporte de fundición PG45
Bracket Cover Cap PG45

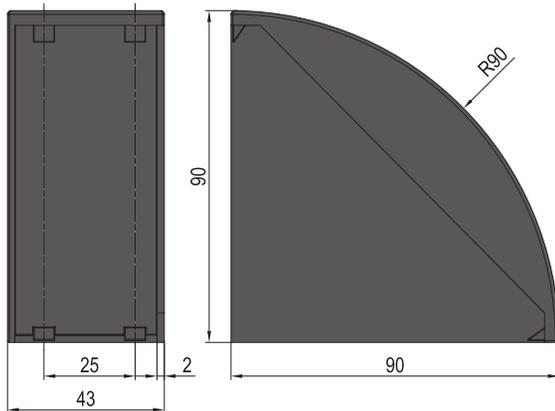
Material y color: ABS negro



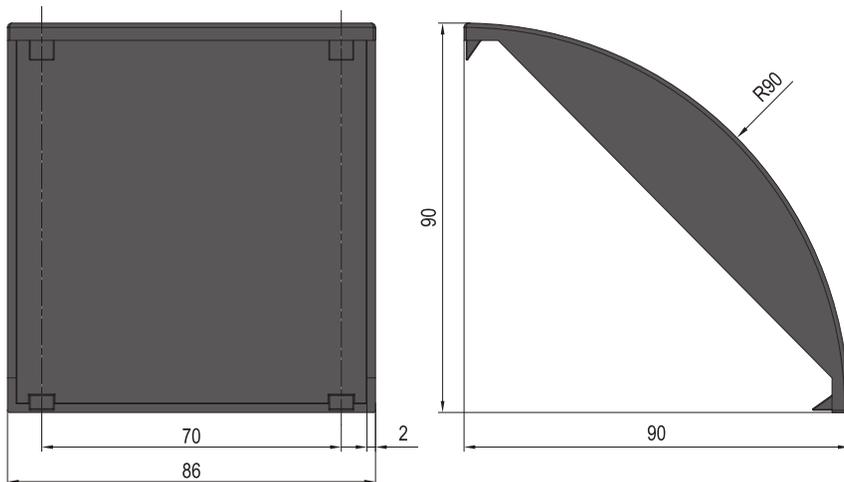
PG45-45x45



PG45-45x90



PG45-90x90



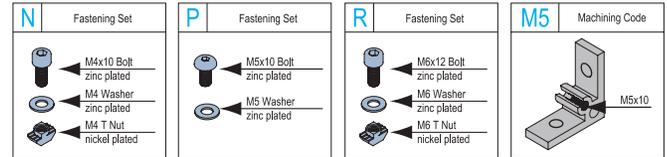
Descripción	Masa (g)	Part No.
PG45-45x45	7.6	3.22.45.4545
PG45-45x90	28.7	3.22.45.4590
PG45-90x90	32.5	3.22.45.9090

Elementos de Conexión

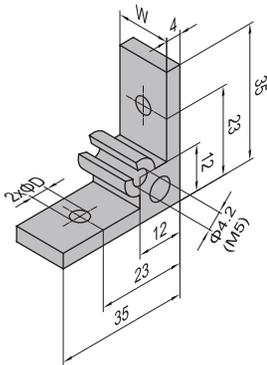
Connecting Elements

Soporte de Perfil Ángulo 35x35x4
Angle Profile Bracket 35x35x4

Material: Aluminio



35x35x4



Aplicación	Descripción	D (mm)	W (mm)	Fastening Set	Machining Code	Masa (g)	Part No.
PG15 15mm 	35-15-15	4.5	10			8	3.31.35.15.15
	35-15-15	4.5	10	2xN		20	3.31.35.15.15.ST
	35-15-15	4.5	10		M5	8	3.31.35.15.15.M5
	35-15-15	4.5	10	2xN+1xP	M5	22	3.31.35.15.15.M5.ST
PG15 30mm 	35-15-30	4.5	25			21	3.31.35.15.30
	35-15-30	4.5	25	2xN		33	3.31.35.15.30.ST
	35-15-30	4.5	25		M5	21	3.31.35.15.30.M5
	35-15-30	4.5	25	2xN+1xP	M5	35	3.31.35.15.30.M5.ST
PG20 20mm 	35-20-20	4.5	14			12	3.31.35.20.20
	35-20-20	4.5	14	2xN		24	3.31.35.20.20.ST
	35-20-20	4.5	14		M5	12	3.31.35.20.20.M5
	35-20-20	4.5	14	2xN+1xP	M5	26	3.31.35.20.20.M5.ST
PG30 30mm 	35-30-30	6.5	22			19	3.31.35.30.30
	35-30-30	6.5	22	2xR		42	3.31.35.30.30.ST
	35-30-30	6.5	22		M5	19	3.31.35.30.30.M5
	35-30-30	6.5	22	2xR+1xP	M5	44	3.31.35.30.30.M5.ST

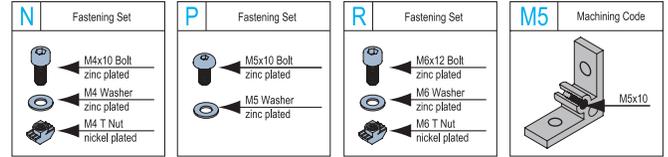
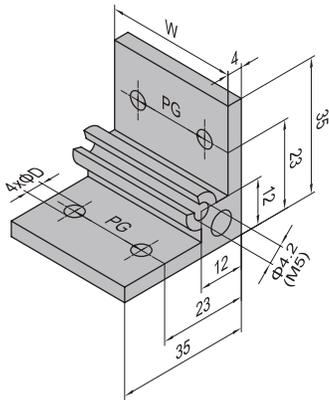
Elementos de Conexión
Connecting Elements

Soporte de Perfil Ángulo 35x35x4
Angle Profile Bracket 35x35x4

Material: Aluminio



35x35x4



Aplicación	Descripción	D (mm)	W (mm)	PG (mm)	Fastening Set	Machining Code	Masa (g)	Part No.
PG20 40mm 	35-20-40	4.5	34	20			29	3.31.35.20.40
	35-20-40	4.5	34	20	4xN		50	3.31.35.20.40.ST
	35-20-40	4.5	34	20		M5	29	3.31.35.20.40.M5
	35-20-40	4.5	34	20	4xN+1xP	M5	52	3.31.35.20.40.M5.ST
PG30 60mm 	35-30-60	6.5	52	30			45	3.31.35.30.60
	35-30-60	6.5	52	30	4xR		88	3.31.35.30.60.ST
	35-30-60	6.5	52	30		M5	45	3.31.35.30.60.M5
	35-30-60	6.5	52	30	4xR+1xP	M5	90	3.31.35.30.60.M5.ST

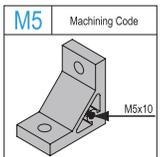
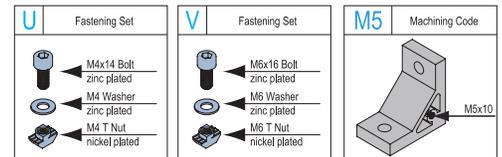
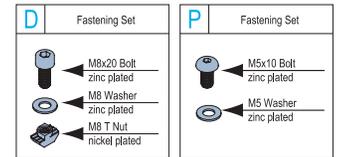
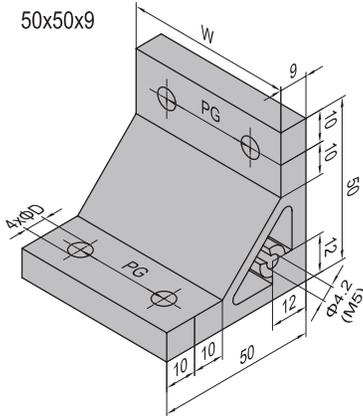
Elementos de Conexión
Connecting Elements

Soporte de Perfil Ángulo 50x50x9
Angle Profile Bracket 50x50x9

Material: Aluminio



50x50x9



Aplicación	Descripción	D (mm)	W (mm)	PG (mm)	Fastening Set	Machining Code	Masa (g)	Part No.
PG20 40mm 	50-20-40 (pcs)	4.5	34	20			75	3.31.50.20.40
	50-20-40 (set)	4.5	34	20	4xU		95	3.31.50.20.40.ST
	50-20-40 (M5)	4.5	34	20		M5	75	3.31.50.20.40.M5
	50-20-40 (M5 set)	4.5	34	20	4xU+1xP	M5	97	3.31.50.20.40.M5.ST
PG30 60mm 	50-30-60 (pcs)	6.5	52	30			114	3.31.50.30.60
	50-30-60 (set)	6.5	52	30	4xV		156	3.31.50.30.60.ST
	50-30-60 (M5)	6.5	52	30		M5	114	3.31.50.30.60.M5
	50-30-60 (M5 set)	6.5	52	30	4xV+1xP	M5	158	3.31.50.30.60.M5.ST
PG40 80mm 	50-40-80 (pcs)	8.5	70	40			154	3.31.50.40.80
	50-40-80 (set)	8.5	70	40	4xD		240	3.31.50.40.80.ST
	50-40-80 (M5)	8.5	70	40		M5	154	3.31.50.40.80.M5
	50-40-80 (M5 set)	8.5	70	40	4xD+1xP	M5	242	3.31.50.40.80.M5.ST
PG45 90mm 	50-45-90 (pcs)	8.5	80	45			176	3.31.50.45.90
	50-45-90 (set)	8.5	80	45	4xD		262	3.31.50.45.90.ST
	50-45-90 (M5)	8.5	80	45		M5	176	3.31.50.45.90.M5
	50-45-90 (M5 set)	8.5	80	45	4xD+1xP	M5	264	3.31.50.45.90.M5.ST
PG50 100mm 	50-50-100 (pcs)	8.5	90	50			198	3.31.50.50.100
	50-50-100 (set)	8.5	90	50	4xD		284	3.31.50.50.100.ST
	50-50-100 (M5)	8.5	90	50		M5	198	3.31.50.50.100.M5
	50-50-100 (M5 set)	8.5	90	50	4xD+1xP	M5	286	3.31.50.50.100.M5.ST

Elementos de Conexión

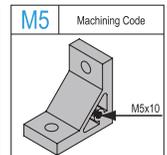
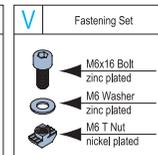
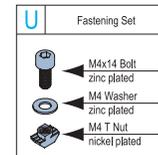
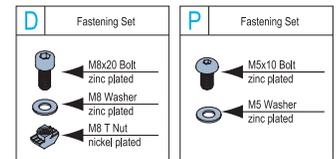
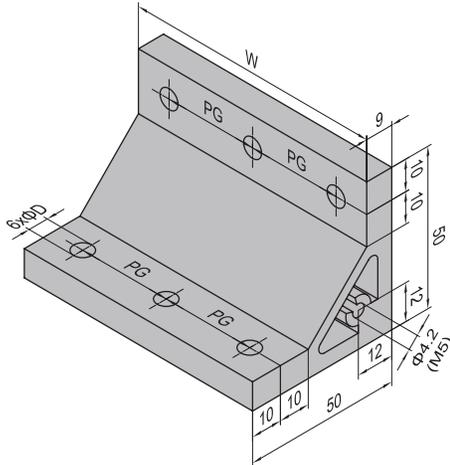
Connecting Elements

Soporte de Perfil Ángulo 50x50x9
 Angle Profile Bracket 50x50x9

Material: Aluminio



50x50x9



Aplicación	Descripción	D (mm)	W (mm)	PG (mm)	Fastening Set	Machining Code	Masa (g)	Part No.
PG20 60mm 	50-20-60 (pcs)	4.5	54	20			119	3.31.50.20.60
	50-20-60 (set)	4.5	54	20	6xU		147	3.31.50.20.60.ST
	50-20-60 (M5)	4.5	54	20		M5	119	3.31.50.20.60.M5
	50-20-60 (M5 set)	4.5	54	20	6xU+1xP	M5	149	3.31.50.20.60.M5.ST
PG30 90mm 	50-30-90 (pcs)	6.5	82	30			180	3.31.50.30.90
	50-30-90 (set)	6.5	82	30	6xV		241	3.31.50.30.90.ST
	50-30-90 (M5)	6.5	82	30		M5	180	3.31.50.30.90.M5
	50-30-90 (M5 set)	6.5	82	30	6xV+1xP	M5	243	3.31.50.30.90.M5.ST
PG40 120mm 	50-40-120 (pcs)	8.5	110	40			242	3.31.50.40.120
	50-40-120 (set)	8.5	110	40	6xD		372	3.31.50.40.120.ST
	50-40-120 (M5)	8.5	110	40		M5	242	3.31.50.40.120.M5
	50-40-120 (M5 set)	8.5	110	40	6xD+1xP	M5	374	3.31.50.40.120.M5.ST

Elementos de Conexión

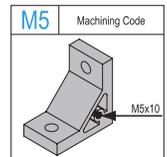
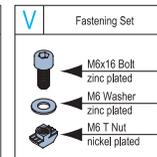
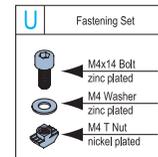
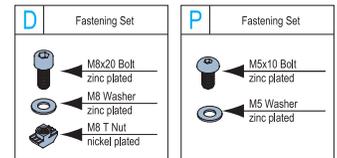
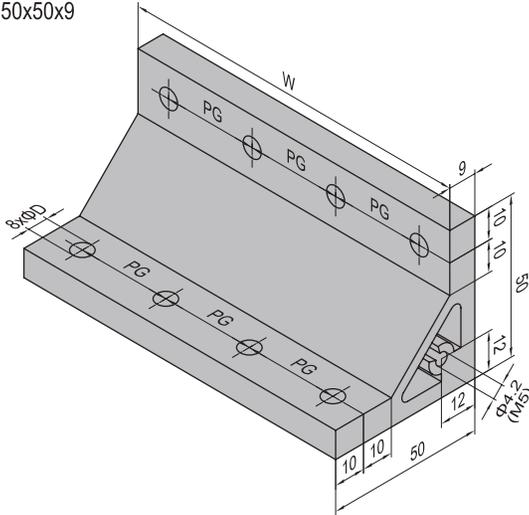
Connecting Elements

Soporte de Perfil Ángulo 50x50x9
Angle Profile Bracket 50x50x9

Material: Aluminio



50x50x9



Aplicación	Descripción	D (mm)	W (mm)	PG (mm)	Fastening Set	Machining Code	Masa (g)	Part No.
PG20 80mm 	50-20-80 (pcs)	4.5	74	20			163	3.31.50.20.80
	50-20-80 (set)	4.5	74	20	8xU		199	3.31.50.20.80.ST
	50-20-80 (M5)	4.5	74	20		M5	163	3.31.50.20.80.M5
	50-20-80 (M5 set)	4.5	74	20	8xU+1xP	M5	201	3.31.50.20.80.M5.ST
PG30 120mm 	50-30-120 (pcs)	6.5	112	30			246	3.31.50.30.120
	50-30-120 (set)	6.5	112	30	8xV		326	3.31.50.30.120.ST
	50-30-120 (M5)	6.5	112	30		M5	246	3.31.50.30.120.M5
	50-30-120 (M5 set)	6.5	112	30	8xV+1xP	M5	328	3.31.50.30.120.M5.ST
PG40 160mm 	50-40-160 (pcs)	8.5	150	40			330	3.31.50.40.160
	50-40-160 (set)	8.5	150	40	8xD		502	3.31.50.40.160.ST
	50-40-160 (M5)	8.5	150	40		M5	330	3.31.50.40.160.M5
	50-40-160 (M5 set)	8.5	150	40	8xD+1xP	M5	504	3.31.50.40.160.M5.ST
PG45 180mm 	50-45-180 (pcs)	8.5	170	45			374	3.31.50.45.180
	50-45-180 (set)	8.5	170	45	8xD		546	3.31.50.45.180.ST
	50-45-180 (M5)	8.5	170	45		M5	374	3.31.50.45.180.M5
	50-45-180 (M5 set)	8.5	170	45	8xD+1xP	M5	548	3.31.50.45.180.M5.ST

Elementos de Conexión

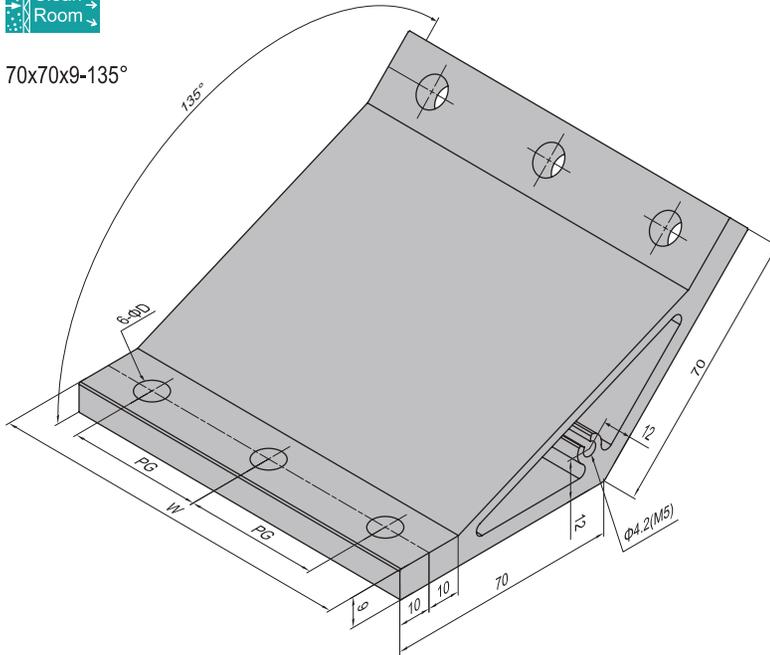
Connecting Elements

Soporte de Perfil Ángulo 70x70x9-135°
 Angle Profile Bracket 70x70x9-135°

Material: Aluminio



70x70x9-135°



D	Fastening Set	P	Fastening Set	V	Fastening Set	M5	Machining Code
	M8x20 Bolt zinc plated		M5x10 Bolt zinc plated		M6x16 Bolt zinc plated		
	M8 Washer zinc plated		M5 Washer zinc plated		M6 Washer zinc plated		
	M8 T Nut nickel plated				M6 T Nut nickel plated		

Aplicación	Descripción	D (mm)	W (mm)	PG (mm)	Fastening Set	Machining Code	Masa (g)	Part No.
PG30 90mm 	70-30-90 (pcs)	7	82	30			270	3.31.70.30.90
	70-30-90 (set)	7	82	30	6xV		331	3.31.70.30.90.ST
	70-30-90 (M5)	7	82	30		M5	270	3.31.70.30.90.M5
	70-30-90 (M5 set)	7	82	30	6xV+1xP	M5	333	3.31.70.30.90.M5.ST
PG40 120mm 	70-40-120 (pcs)	9	110	40			357	3.31.70.40.120
	70-40-120 (set)	9	110	40	6xD		487	3.31.70.40.120.ST
	70-40-120 (M5)	9	110	40		M5	357	3.31.70.40.120.M5
	70-40-120 (M5 set)	9	110	40	6xD+1xP	M5	489	3.31.70.40.120.M5.ST

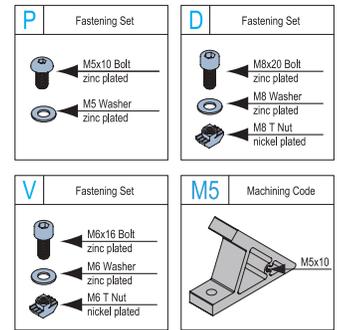
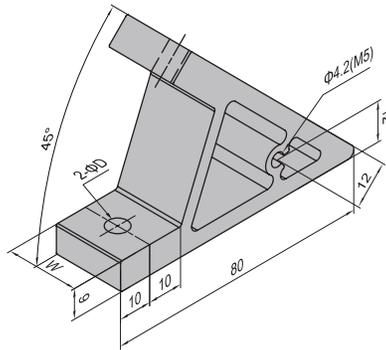
Elementos de Conexión
 Connecting Elements

 Soporte de Perfil Ángulo 80x80x9-45°
 Angle Profile Bracket 80x80x9-45°

Material: Aluminio



80x80x9-45°



Aplicación	Descripción	D (mm)	W (mm)	Fastening Set	Machining Code	Masa (g)	Part No.
PG30 30mm 	80-30-30 (pcs)	7	22			68	3.31.80.30.30
	80-30-30 (set)	7	22	2xV		91	3.31.80.30.30.ST
	80-30-30 (M5)	7	22		M5	68	3.31.80.30.30.M5
	80-30-30 (M5 set)	7	22	2xV+1xP	M5	93	3.31.80.30.30.M5.ST
PG40 40mm 	80-40-40 (pcs)	9	30			89	3.31.80.40.40
	80-40-40 (set)	9	30	2xD		135	3.31.80.40.40.ST
	80-40-40 (M5)	9	30		M5	89	3.31.80.40.40.M5
	80-40-40 (M5 set)	9	30	2xD+1xP	M5	137	3.31.80.40.40.M5.ST
PG40 60mm 	80-40-60 (pcs)	9	50			151	3.31.80.40.60
	80-40-60 (set)	9	50	2xD		197	3.31.80.40.60.ST
	80-40-60 (M5)	9	50		M5	151	3.31.80.40.60.M5
	80-40-60 (M5 set)	9	50	2xD+1xP	M5	199	3.31.80.40.60.M5.ST
PG45 45mm 	80-45-45 (pcs)	9	35			105	3.31.80.45.45
	80-45-45 (set)	9	35	2xD		151	3.31.80.45.45.ST
	80-45-45 (M5)	9	35		M5	105	3.31.80.45.45.M5
	80-45-45 (M5 set)	9	35	2xD+1xP	M5	153	3.31.80.45.45.M5.ST
PG45 60mm 	80-45-60 (pcs)	9	50			151	3.31.80.45.60
	80-45-60 (set)	9	50	2xD		197	3.31.80.45.60.ST
	80-45-60 (M5)	9	50		M5	151	3.31.80.45.60.M5
	80-45-60 (M5 set)	9	50	2xD+1xP	M5	199	3.31.80.45.60.M5.ST
PG50 50mm 	80-50-50 (pcs)	9	50			120	3.31.80.50.50
	80-50-50 (set)	9	50	2xD		166	3.31.80.50.50.ST
	80-50-50 (M5)	9	50		M5	120	3.31.80.50.50.M5
	80-50-50 (M5 Set)	9	50	2xD+1xP	M5	168	3.31.80.50.50.M5.ST
PG60 60mm 	80-60-60 (pcs)	9	50			151	3.31.80.60.60
	80-60-60 (set)	9	50	2xD		197	3.31.80.60.60.ST
	80-60-60 (M5)	9	50		M5	151	3.31.80.60.60.M5
	80-60-60 (M5 Set)	9	50	2xD+1xP	M5	199	3.31.80.60.60.M5.ST

Elementos de Conexión

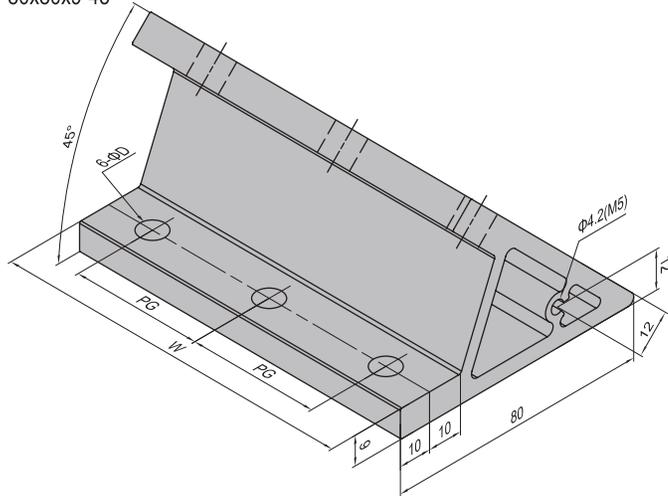
Connecting Elements

Soporte de Perfil Ángulo 80x80x9-45°
Angle Profile Bracket 80x80x9-45°

Material: Aluminio



80x80x9-45°



D	Fastening Set	P	Fastening Set	V	Fastening Set	M5	Machining Code
	M8x20 Bolt zinc plated		M5x10 Bolt zinc plated		M6x16 Bolt zinc plated		M5x10
	M8 Washer zinc plated		M5 Washer zinc plated		M6 Washer zinc plated		
	M8 T Nut nickel plated				M6 T Nut nickel plated		

Aplicación	Descripción	D (mm)	W (mm)	PG (mm)	Fastening Set	Machining Code	Masa (g)	Part No.
PG30 90mm 	80-30-90 (pcs)	7	82	30			247	3.31.80.30.90
	80-30-90 (set)	7	82	30	6xV		308	3.31.80.30.90.ST
	80-30-90 (M5)	7	82	30		M5	247	3.31.80.30.90.M5
	80-30-90 (M5 set)	7	82	30	6xV+1xP	M5	310	3.31.80.30.90.M5.ST
PG40 120mm 	80-40-120 (pcs)	9	110	40			329	3.31.80.40.120
	80-40-120 (set)	9	110	40	6xD		459	3.31.80.40.120.ST
	80-40-120 (M5)	9	110	40		M5	329	3.31.80.40.120.M5
	80-40-120 (M5 set)	9	110	40	6xD+1xP	M5	461	3.31.80.40.120.M5.ST

Elementos de Conexión

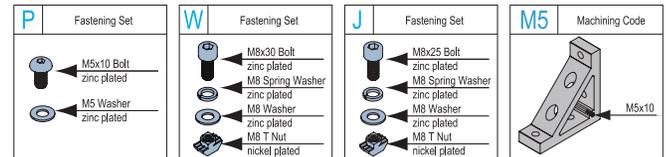
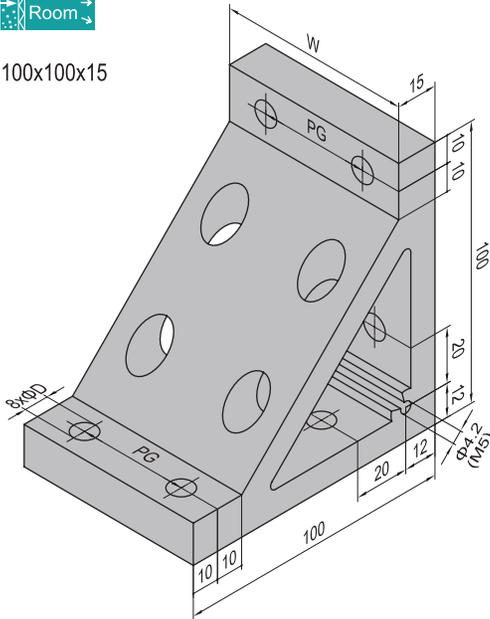
Connecting Elements

Soporte de Perfil Ángulo 100x100x15
 Angle Profile Bracket 100x100x15

Material: Aluminio



100x100x15



Aplicación	Descripción	D (mm)	W (mm)	PG (mm)	Fastening Set	Machining Code	Masa (g)	Part No.
PG40 80mm 	100-40-80 (pcs)	9	70	40			522	3.31.100.40.80
	100-40-80 (set)	9	70	40	4xW+4xJ		730	3.31.100.40.80.ST
	100-40-80 (M5)	9	70	40		M5	522	3.31.100.40.80.M5
	100-40-80 (M5 set)	9	70	40	4xW+4xJ+1xP	M5	732	3.31.100.40.80.M5.ST
PG45 90mm 	100-45-90 (pcs)	9	80	45			605	3.31.100.45.90
	100-45-90 (set)	9	80	45	4xW+4xJ		813	3.31.100.45.90.ST
	100-45-90 (M5)	9	80	45		M5	605	3.31.100.45.90.M5
	100-45-90 (M5 set)	9	80	45	4xW+4xJ+1xP	M5	815	3.31.100.45.90.M5.ST
PG50 100mm 	100-50-100 (pcs)	9	90	50			688	3.31.100.50.100
	100-50-100 (set)	9	90	50	4xW+4xJ		896	3.31.100.50.100.ST
	100-50-100 (M5)	9	90	50		M5	688	3.31.100.50.100.M5
	100-50-100 (M5 set)	9	90	50	4xW+4xJ+1xP	M5	898	3.31.100.50.100.M5.ST

Elementos de Conexión

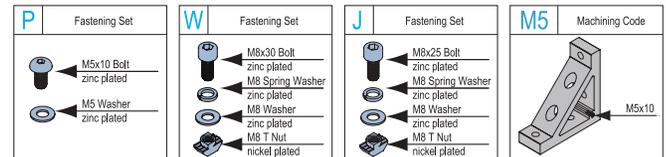
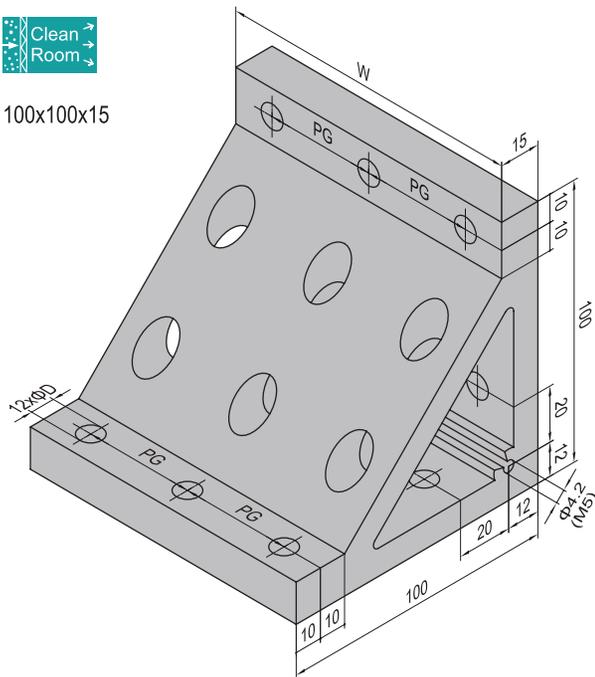
Connecting Elements

Soporte de Perfil Ángulo 100x100x15
 Angle Profile Bracket 100x100x15

Material: Aluminio



100x100x15



Aplicación	Descripción	D (mm)	W (mm)	PG (mm)	Fastening Set	Machining Code	Masa (g)	Part No.
PG40 120mm 	100-40-120 (pcs)	9	110	40			824	3.31.100.40.120
	100-40-120 (set)	9	110	40	6xW+6xJ		1136	3.31.100.40.120.ST
	100-40-120 (M5)	9	110	40		M5	824	3.31.100.40.120.M5
	100-40-120 (M5 set)	9	110	40	6xW+6xJ+1xP	M5	1138	3.31.100.40.120.M5.ST

Elementos de Conexión

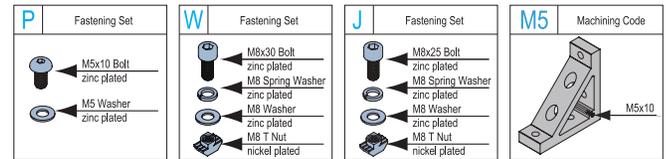
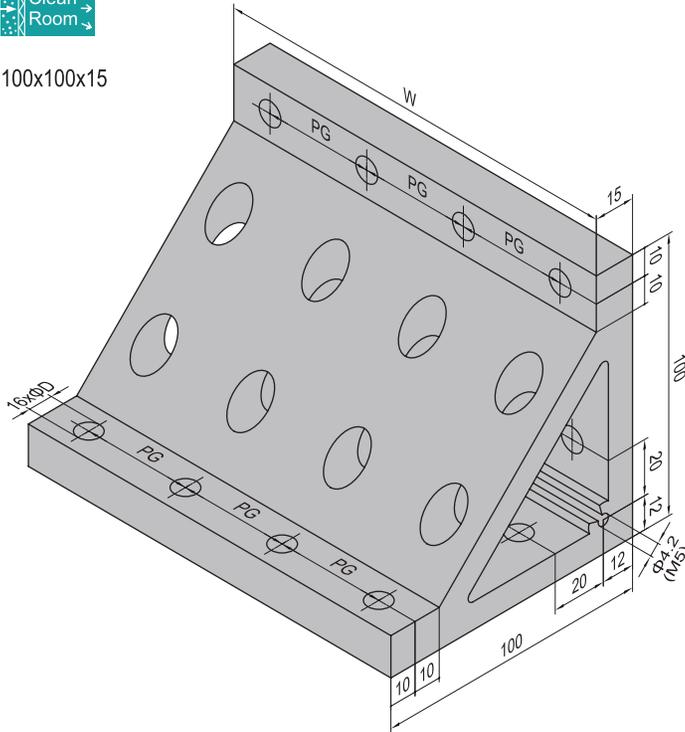
Connecting Elements

Soporte de Perfil Ángulo 100x100x15
 Angle Profile Bracket 100x100x15

Material: Aluminio



100x100x15



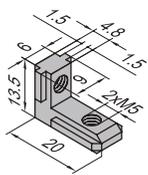
Aplicación	Descripción	D (mm)	W (mm)	PG (mm)	Fastening Set	Machining Code	Masa (g)	Part No.
PG40 160mm 	100-40-160 (pcs)	9	150	40			1127	3.31.100.40.160
	100-40-160 (set)	9	150	40	8xW+8xJ		1543	3.31.100.40.160.ST
	100-40-160 (M5)	9	150	40		M5	1127	3.31.100.40.160.M5
	100-40-160 (M5 set)	9	150	40	8xW+8xJ+1xP	M5	1545	3.31.100.40.160.M5.ST
PG45 180mm 	100-45-180 (pcs)	9	170	45			1293	3.31.100.45.180
	100-45-180 (set)	9	170	45	8xW+8xJ		1709	3.31.100.45.180.ST
	100-45-180 (M5)	9	170	45		M5	1293	3.31.100.45.180.M5
	100-45-180 (M5 set)	9	170	45	8xW+8xJ+1xP	M5	1711	3.31.100.45.180.M5.ST

Elementos de Conexión
Connecting Elements

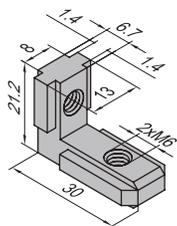
Soporte Interior (roscado)
Inner Bracket (with top thread)

Los Soportes Interiores tipo A y tipo B son usados comunmente en la construcción de marcos de paneles, ventanas, y cerramientos de seguridad debido a que el elemento de conexión queda escondido dentro de la ranura del perfil.

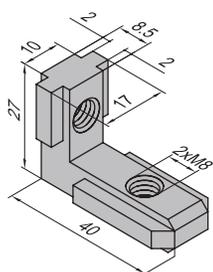
Material: Soporte-fundición de zinc ; tornillería-acero zincado.



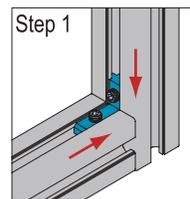
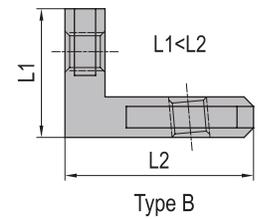
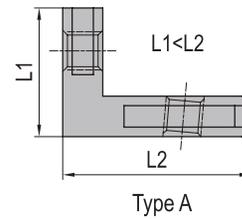
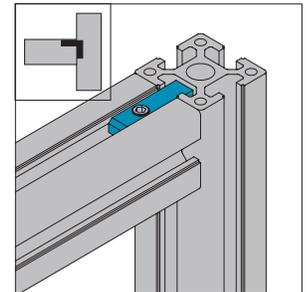
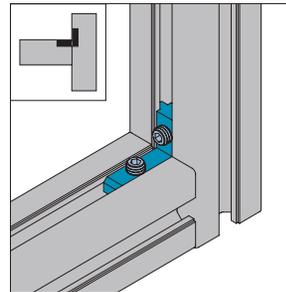
- M5x6
- Inner Bracket 3.41.06A
- Inner Bracket 3.41.06B



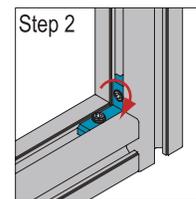
- M6x8
- Inner Bracket 3.41.08A
- Inner Bracket 3.41.08B



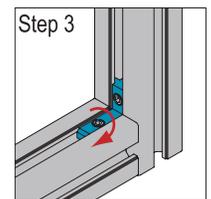
- M8x10
- Inner Bracket 3.41.10A
- Inner Bracket 3.41.10B



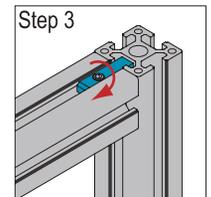
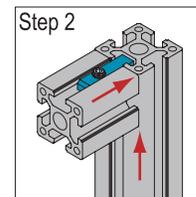
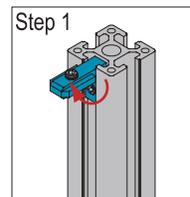
set parts in position



tighten L1 set screw



tighten L2 set screw

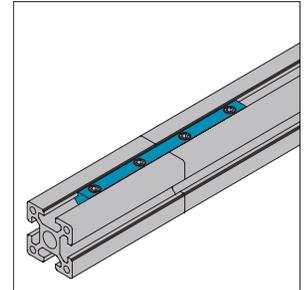


Descripción	Masa (g/pcs)	Part No.
Inner Bracket-6-A (with top thread)	6	3.41.06A
Inner Bracket-6-B (with top thread)	6	3.41.06B
Inner Bracket-8-A (with top thread)	18	3.41.08A
Inner Bracket-8-B (with top thread)	18	3.41.08B
Inner Bracket-10-A (with top thread)	36	3.41.10A
Inner Bracket-10-B (with top thread)	36	3.41.10B

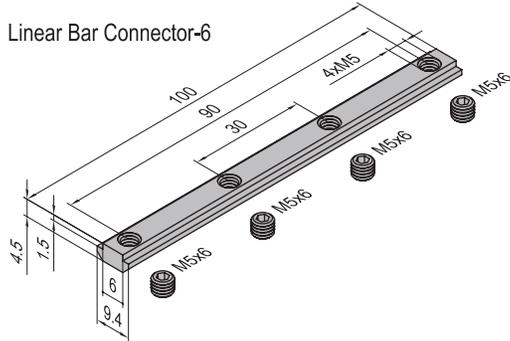
Elementos de Conexión
Connecting Elements

Barra de conexión (roscada)
Linear Bar Connector (with top thread)

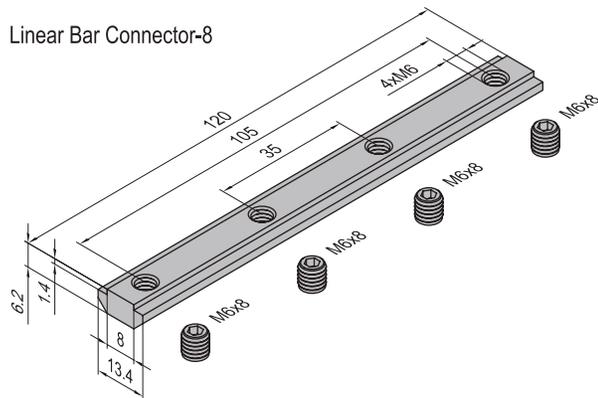
Material: Acero zincado.



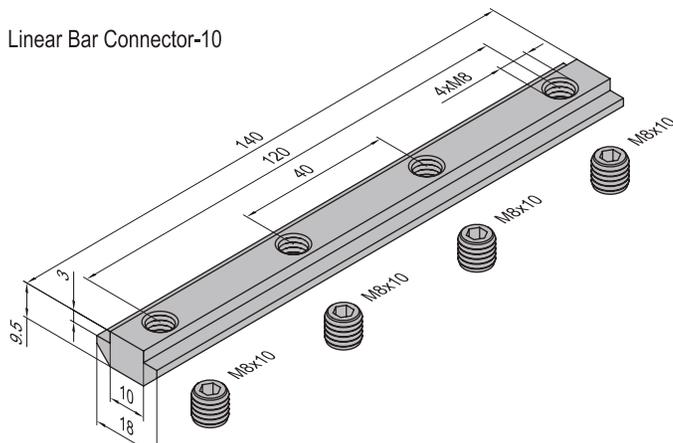
Linear Bar Connector-6



Linear Bar Connector-8



Linear Bar Connector-10



Descripción	Masa (g/pcs)	Part No.
Linear Bar Connector-6 (with top thread)	27	3.51.06
Linear Bar Connector-8 (with top thread)	65	3.51.08
Linear Bar Connector-10 (with top thread)	132	3.51.10

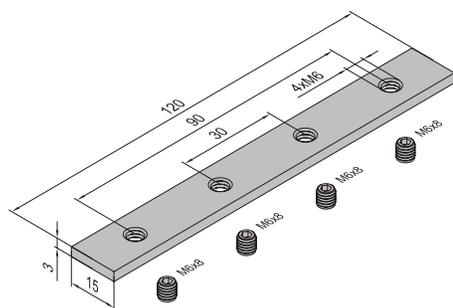
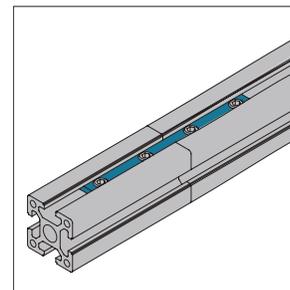
Elementos de Conexión

Connecting Elements

Barra de conexión (roscada)
Linear Bar Connector (with top thread)

Material: Acero zincado

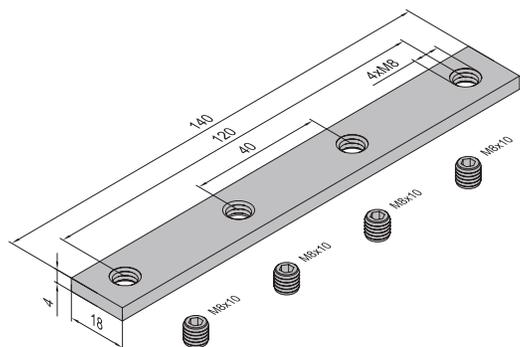
Linear Bar Connector-8



Descripción	Masa (g/pcs)	Part No.
Linear Bar Connector-8 (with top thread)	40	3.52.08
Linear Bar Connector-10 (with top thread)	74	3.52.10



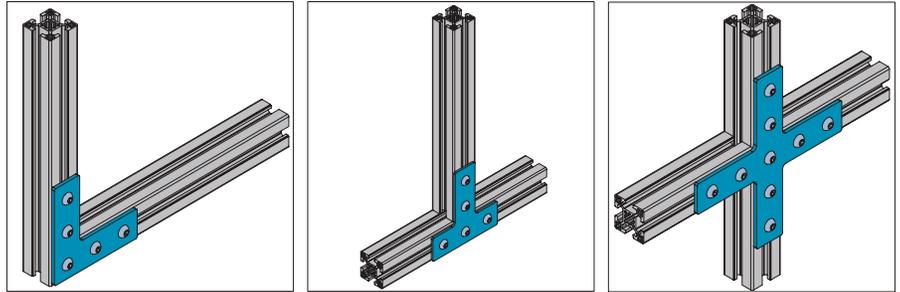
Linear Bar Connector-10



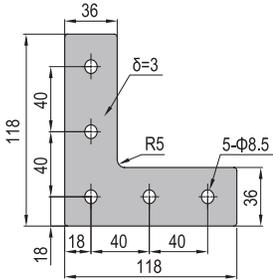
Elementos de Conexión
Connecting Elements

Platina de Unión
Joining Plate

Material: Acero zincado

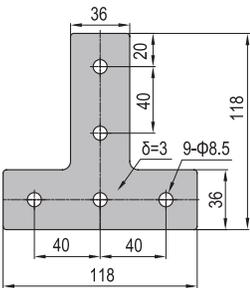


PG40-4040-01

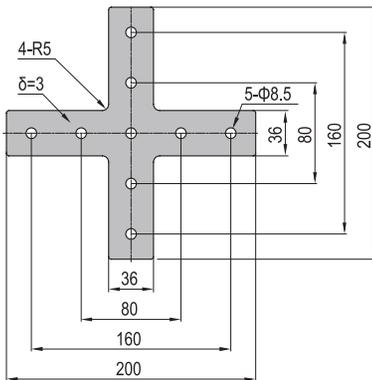


X	Fastening Set	Y	Fastening Set
	M8x12 Bolt zinc plated		M8x12 Bolt zinc plated
	M8 Washer zinc plated		M8 Washer zinc plated
	M8T Nut nickel plated		M8 Pre-set Nut nickel plated

PG40-4040-02



PG40-4040-03

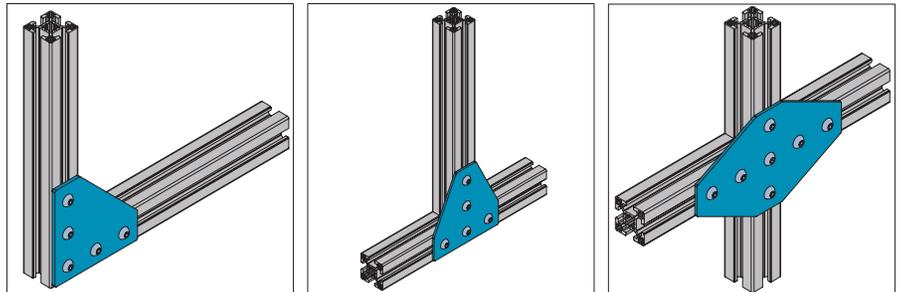


Descripción	Fastening Set	Masa (g)	Part No.
PG40-4040-01 (pcs)		219	3.53.40.4040.01
PG40-4040-01 (set X)	5xX	304	3.53.40.4040.01.STX
PG40-4040-01 (set Y)	5xY	349	3.53.40.4040.01.STY
PG40-4040-02 (pcs)		220	3.53.40.4040.02
PG40-4040-02 (set X)	5xX	305	3.53.40.4040.02.STX
PG40-4040-02 (set Y)	5xY	350	3.53.40.4040.02.STY
PG40-4040-03 (pcs)		400	3.53.40.4040.03
PG40-4040-03 (set X)	9xX	553	3.53.40.4040.03.STX
PG40-4040-03 (set Y)	9xY	634	3.53.40.4040.03.STY

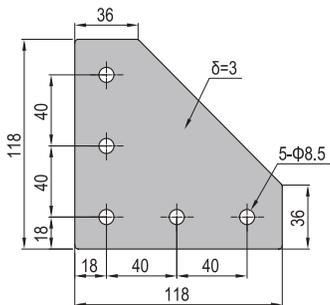
Elementos de Conexión
Connecting Elements

Platina de Unión
Joining Plate

Material: Acero zincado

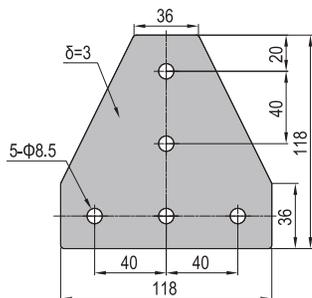


PG40-4040-04

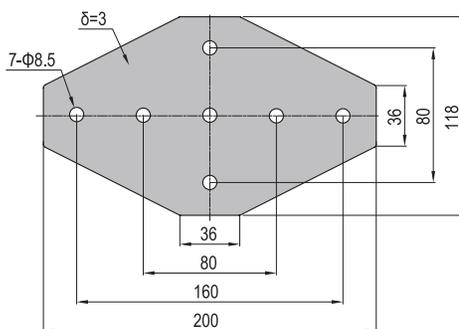


X	Fastening Set	Y	Fastening Set
	M8x12 Bolt zinc plated		M8x12 Bolt zinc plated
	M8 Washer zinc plated		M8 Washer zinc plated
	M8T Nut nickel plated		M8 Pre-set Nut nickel plated

PG40-4040-05



PG40-4040-06

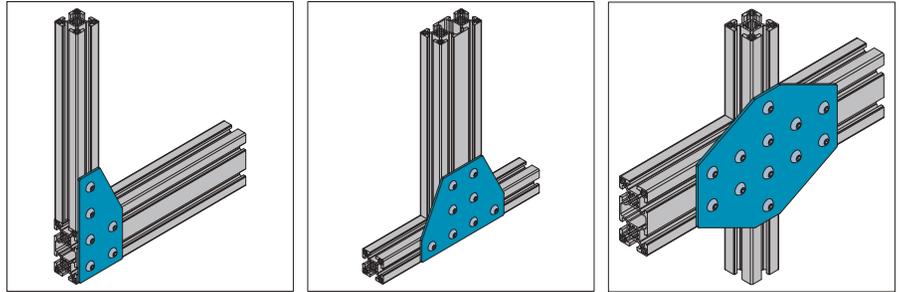


Descripción	Fastening Set	Masa (g)	Part No.
PG40-4040-04 (pcs)		324	3.53.40.4040.04
PG40-40x40-04 (set X)	5xX	409	3.53.40.4040.04.STX
PG40-4040-04 (set Y)	5xY	454	3.53.40.4040.04.STY
PG40-4040-05 (pcs)		324	3.53.40.4040.05
PG40-4040-05 (set X)	5xX	409	3.53.40.4040.05.STX
PG40-4040-05 (set Y)	5xY	454	3.53.40.4040.05.STY
PG40-4040-06 (pcs)		518	3.53.40.4040.06
PG40-4040-06 (set X)	7xX	637	3.53.40.4040.06.STX
PG40-4040-06 (set Y)	7xY	700	3.53.40.4040.06.STY

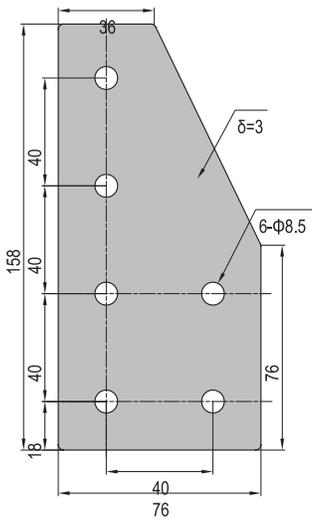
Elementos de Conexión
Connecting Elements

Platina de Unión
Joining Plate

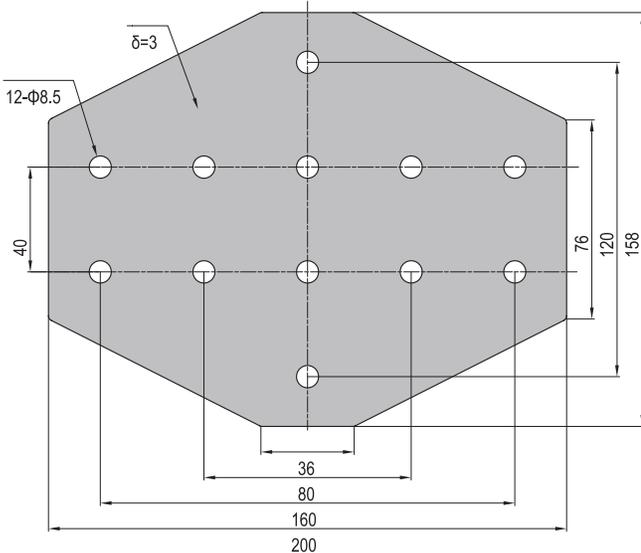
Material: Acero zincado



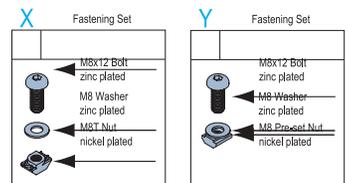
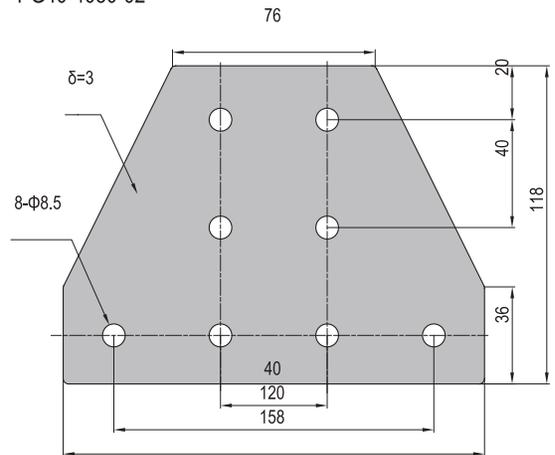
PG40-4080-01



PG40-4080-03



PG40-4080-02

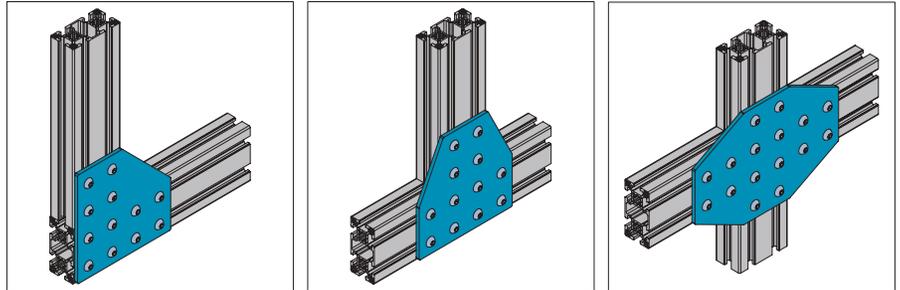


Descripción	Fastening Set	Masa (g)	Part No.
PG40-4080-01 (pcs)		315	3.53.40.4080.01
PG40-4080-01 (set X)	6xX	417	3.53.40.4080.01.STX
PG40-4080-01 (set Y)	6xY	471	3.53.40.4080.01.STY
PG40-4080-02 (pcs)		466	3.53.40.4080.02
PG40-4080-02 (set X)	8xX	602	3.53.40.4080.02.STX
PG40-4080-02 (set Y)	8xY	674	3.53.40.4080.02.STY
PG40-4080-03 (pcs)		762	3.53.40.4080.03
PG40-4080-03 (set X)	12xX	966	3.53.40.4080.03.STX
PG40-4080-03 (set Y)	12xY	1074	3.53.40.4080.03.STY

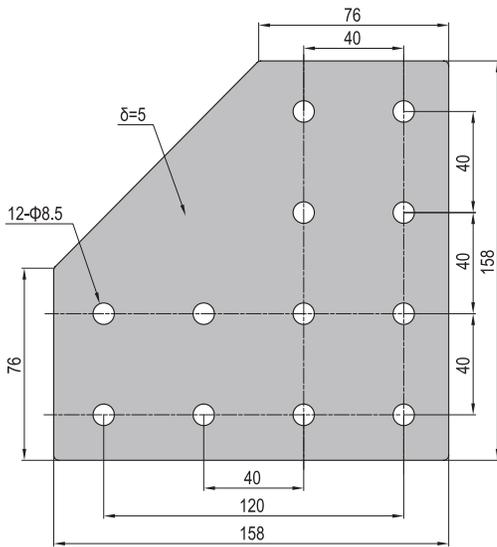
Elementos de Conexión
Connecting Elements

Platina de Unión
Joining Plate

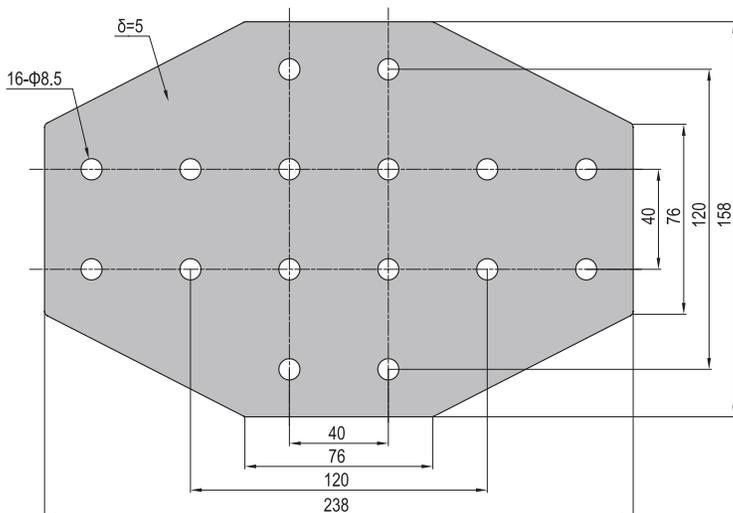
Material: Acero zincado



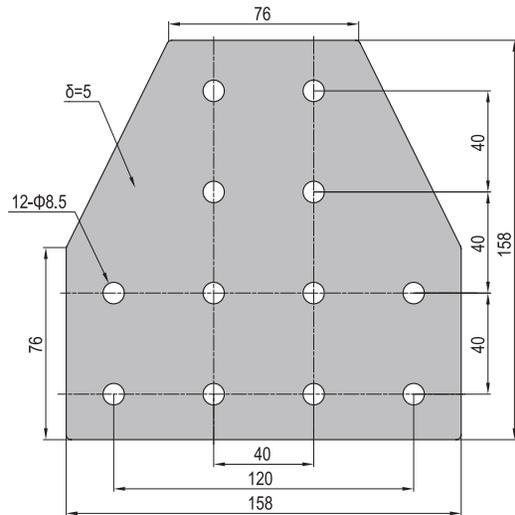
PG40-8080-01



PG40-8080-03



PG40-8080-02



I	Fastening Set	O	Fastening Set
	M8x16 Bolt zinc plated		M8x16 Bolt zinc plated
	M8 Washer zinc plated		M8 Washer zinc plated
	M8T Nut nickel plated		M8 Pre-set Nut nickel plated

Descripción	Fastening Set	Masa (g)	Part No.
PG40-8080-01 (pcs)		656	3.53.40.8080.01
PG40-8080-01 (set I)	12xI	879	3.53.40.8080.01.STI
PG40-8080-01 (set O)	12xO	987	3.53.40.8080.01.STO
PG40-8080-02 (pcs)		656	3.53.40.8080.02
PG40-8080-02 (set I)	12xI	879	3.53.40.8080.02.STI
PG40-8080-02 (set O)	12xO	987	3.53.40.8080.02.STO
PG40-8080-03 (pcs)		945	3.53.40.8080.03
PG40-8080-03 (set I)	16xI	1242	3.53.40.8080.03.STI
PG40-8080-03 (set O)	16xO	1386	3.53.40.8080.03.STO

Elementos de Conexión

Connecting Elements

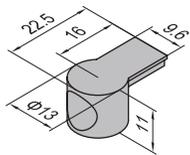
Conector de Tope
Butt Connectors

Los Conectores de Tope son utilizados extensamente para la unión de perfiles en sistemas de sala blanca o sala limpia.

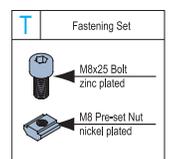
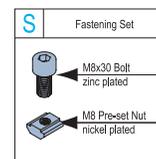
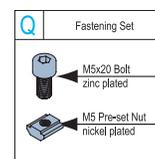
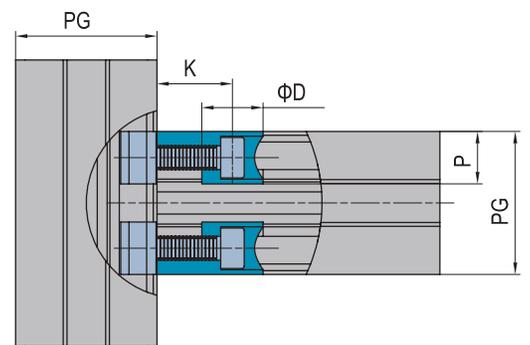
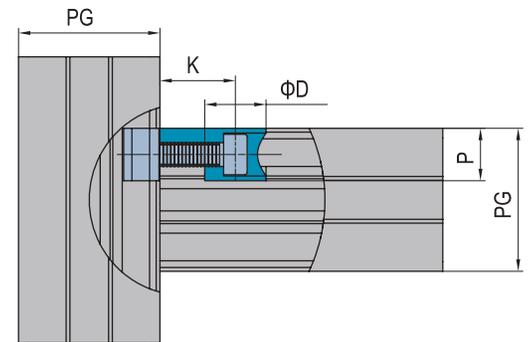
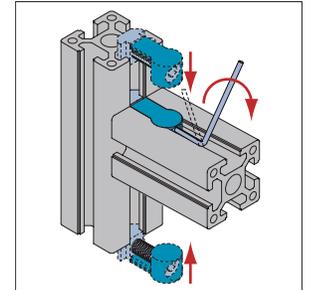
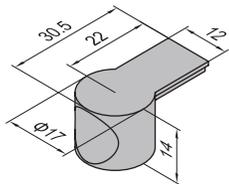
Material: Fundición de zinc niquelada.



Butt Connector-8



Butt Connector-10



Descripción	PG	K (mm)	D (mm)	P (mm)	Fastening Set	Masa (g)	Part No.
Butt Connector-8 (pcs)	PG30	16	13	11		9	3.61.08
Butt Connector-8 (set)	PG30	16	13	11	1xQ	20	3.61.08.ST
Butt Connector-10 (pcs)	PG40/PG45/PG50/PG60	22	17	14		15	3.61.10
Butt Connector-10-4 (set)	PG40	22	17	14	1xT	41	3.61.10.04.ST
Butt Connector-10-6 (set)	PG45/PG50/PG60	22	17	14	1xS	43	3.61.10.06.ST

Elementos de Conexión
Connecting Elements

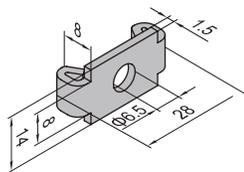
Conector de Extremo
End Connectors

Los Conectores de Extremo también llamados conectores tipo botón mariposa por su forma, pueden ser escondidos completamente en el perfil de aluminio. Son utilizados extensamente para la unión de perfiles en sistemas de sala limpia.

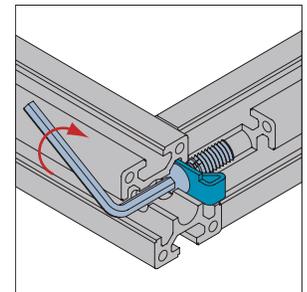
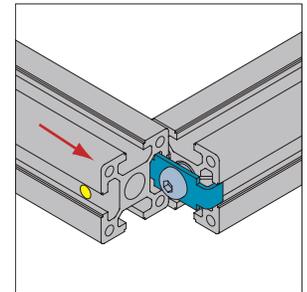
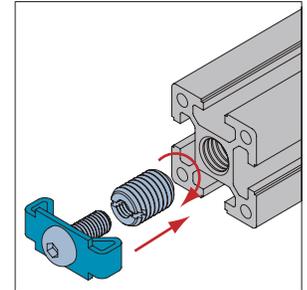
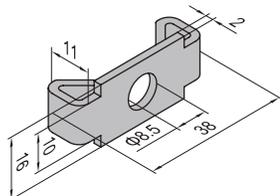
Material: Acero niquelado.



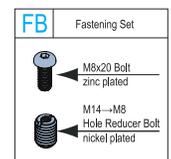
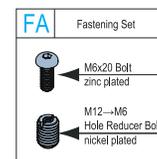
End Connector-8



End Connector-10



Descripción	PG	Fastening Set	Masa (g)	Part No.
End Connector-8 (pcs)	PG30		7	3.71.30
End Connector-8 (set)	PG30	1xFA	23	3.71.30.ST
End Connector-10 (pcs)	PG40		13	3.71.40
End Connector-10 (set)	PG40	1xFB	38	3.71.40.ST

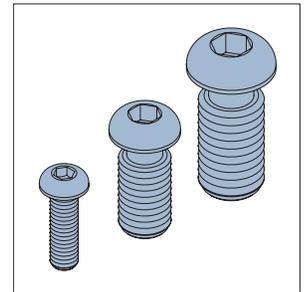
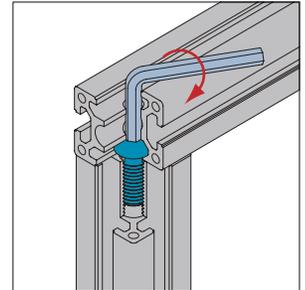


Elementos de Conexión
Connecting Elements

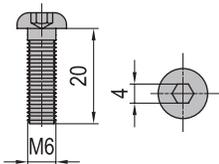
Conector de Tornillo
Screw Connectors

Los Conectores de Tornillo son una forma simple y económica de reemplazar los Conectores de extremo proporcionando una conexión de mayor confiabilidad.

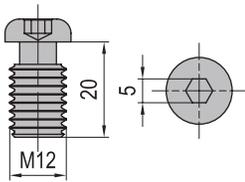
Material: Acero niquelado.



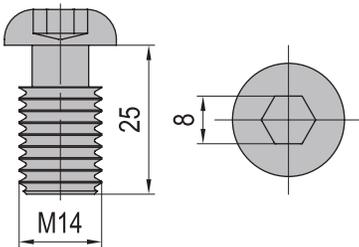
Screw Connector-6



Screw Connector-8



Screw Connector-10



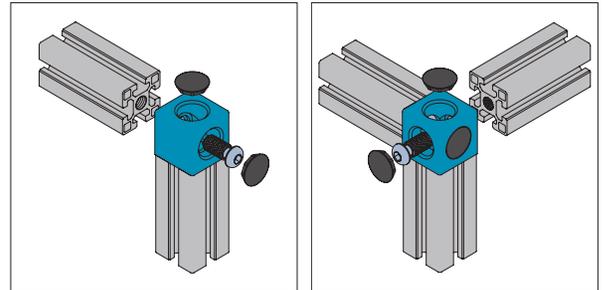
Descripción	Masa (g)	Part No.
Screw Connector-6	7	3.81.06
Screw Connector-8	17	3.81.08
Screw Connector-10	31	3.81.10

Elementos de Conexión

Connecting Elements

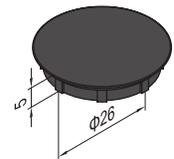
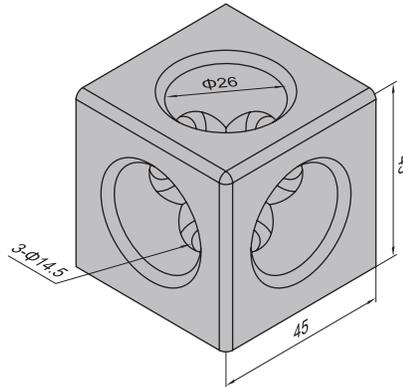
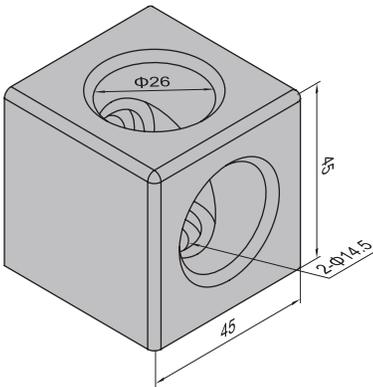
Conector Cúbico
Cubic Connector

Material: Conector-fundición de aluminio ; tapa-ABS negro.



Cubic Connector-4545-2

Cubic Connector-4545-3

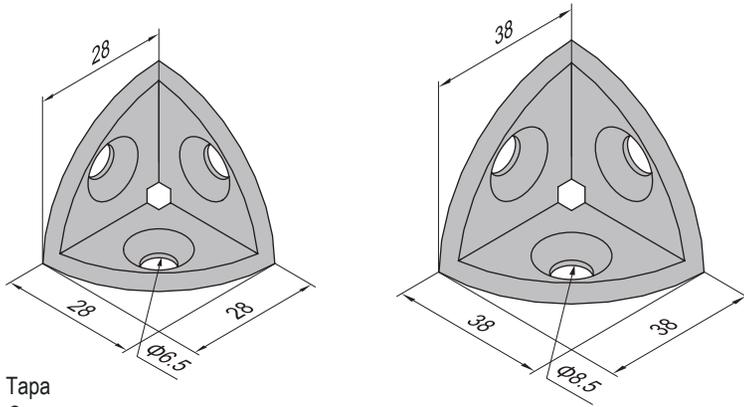


Descripción	Fastening Set	Cap (pcs)	Masa (g)	Part No.
Cubic Connector-4545-2 (pc)		2	135	3.91.4545.02
Cubic Connector-4545-2 (set)	2x(M14x25)	2	201	3.91.4545.02.ST
Cubic Connector-4545-3 (pc)		3	135	3.91.4545.03
Cubic Connector-4545-3 (set)	3x(M14x25)	3	234	3.91.4545.03.ST

Elementos de Conexión
Connecting Elements

Conector Cúbico
Cubic Connector

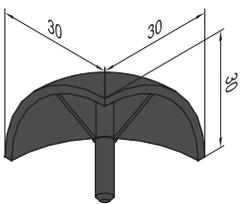
Material: conector-fundición de zinc



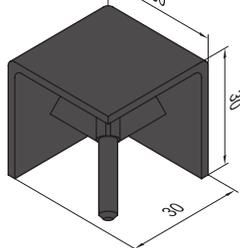
Tapa
Cap

Material y color: ABS negro

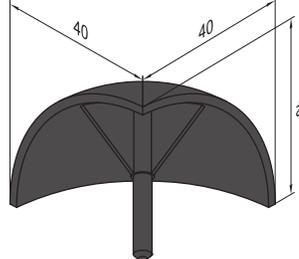
3030-01



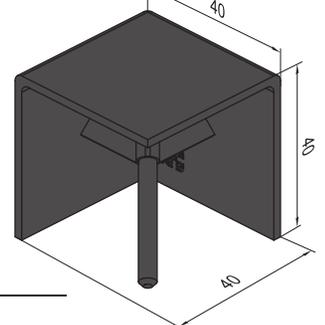
3030-02



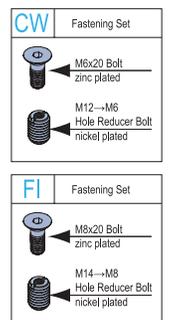
4040-01

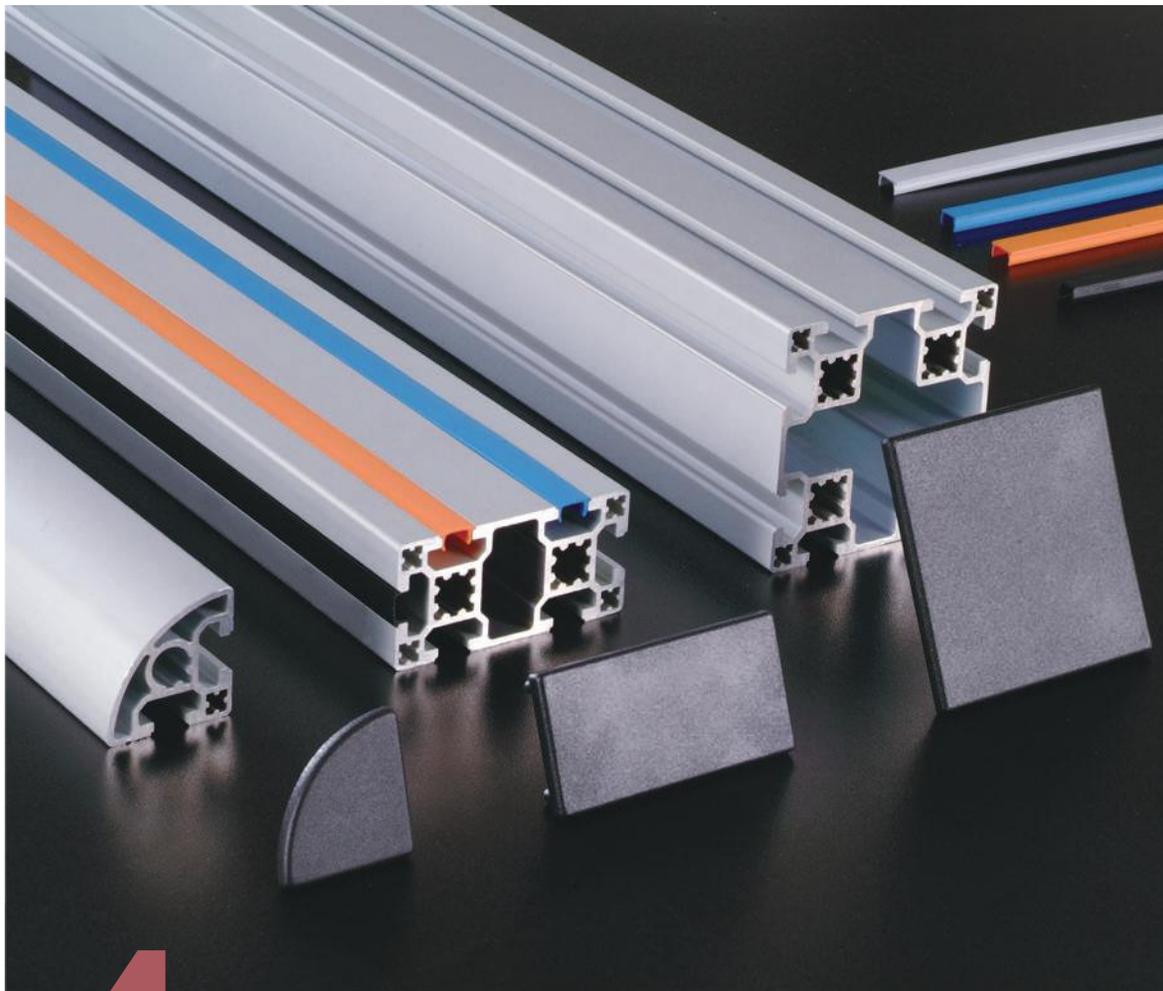


4040-02



Descripción	Fastening Set	Cap (pcs)	Masa (g)	Part No.
Cubic Connector-3030-01 (pc)		1	35	3.92.3030.01
Cubic Connector-3030-01(set)	3xCW	1	105	3.92.3030.01.ST
Cubic Connector-3030-02 (pc)		1	38	3.92.3030.02
Cubic Connector-3030-02 (set)	3xCW	1	108	3.92.3030.02.ST
Cubic Connector-4040-01 (pc)		1	87	3.92.4040.01
Cubic Connector-4040-01(set)	3xFI	1	159	3.92.4040.01.ST
Cubic Connector-4040-02 (pc)		1	92	3.92.4040.02
Cubic Connector-4040-02 (set)	3xFI	1	164	3.92.4040.02.ST



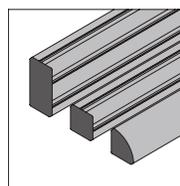


4.11-4.21

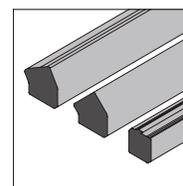
Tapas de Extremo
End Cap

Cobertor de ranura T
T Slot Cover

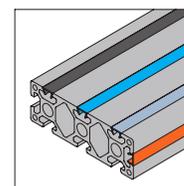
4 Accesorios de Perfiles
Profile Accessories



4.11



4.12



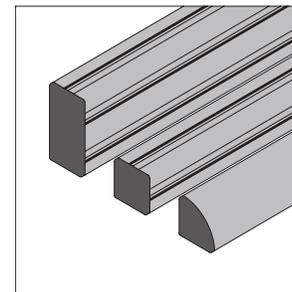
4.21.01

Accesorios de Perfiles
Profile Accessories

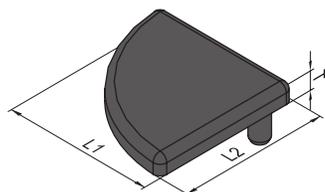
 Tapa de Extremo
 End Cap

La Tapa de Extremo sirve para ocultar bordes filosos y para mejorar la apariencia y terminación de la estructura.

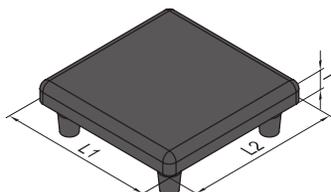
Material y color: ABS negro.



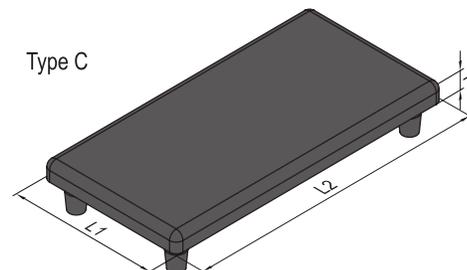
Type A



Type B



Type C



	Descripción	L1 (mm)	L2 (mm)	T (mm)	Masa (g)	Part No.
Type A	End Cap-PG30-3030R	30	30	5	3	4.11.30.3030R
	End Cap-PG40-4040R	40	40	5	6	4.11.40.4040R
	End Cap-PG45-4545R	45	45	5	7	4.11.45.4545R
Type B	End Cap-PG15-1515	15	15	3	1	4.11.15.1515
	End Cap-PG20-2020	20	20	4	2	4.11.20.2020
	End Cap-PG20-4040	40	40	4	6	4.11.20.4040
	End Cap-PG30-3030	30	30	5	3	4.11.30.3030
	End Cap-PG30-6060	60	60	5	15	4.11.30.6060
	End Cap-PG40-4040	40	40	5	6	4.11.40.4040
	End Cap-PG40-8080	80	80	5	22	4.11.40.8080
	End Cap-PG40-120120	120	120	5	64	4.11.40.120120
	End Cap-PG45-4545	45	45	5	8	4.11.45.4545
	End Cap-PG45-9090	90	90	5	28	4.11.45.9090
	End Cap-PG50-5050	50	50	5	10	4.11.50.5050
	End Cap-PG50-100100	100	100	5	44	4.11.50.100100
	End Cap-PG60-6060	60	60	5	14	4.11.60.6060
Type C	End Cap-PG15-1530	15	30	3	1.1	4.11.15.1530
	End Cap-PG20-2040	20	40	4	3	4.11.20.2040
	End Cap-PG20-2060	20	60	4	4	4.11.20.2060
	End Cap-PG20-2080	20	80	4	5	4.11.20.2080
	End Cap-PG30-3060	30	60	5	8	4.11.30.3060
	End Cap-PG30-3090	30	90	5	11	4.11.30.3090
	End Cap-PG30-30120	30	120	5	14	4.11.30.30120
	End Cap-PG30-60120	60	120	5	33	4.11.30.60120
	End Cap-PG40-4060	40	60	5	9	4.11.40.4060
	End Cap-PG40-4080	40	80	5	13	4.11.40.4080
End Cap-PG40-40120	40	120	5	18	4.11.40.40120	

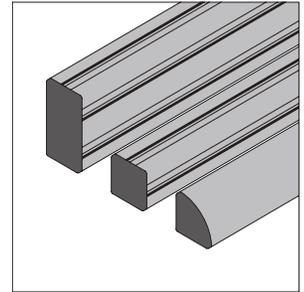
Accesorios de Perfiles

Profile Accessories

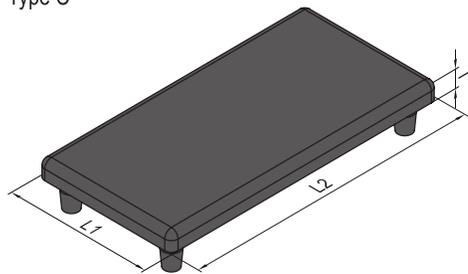
Tapa de Extremo
End Cap

La Tapa de Extremo sirve para ocultar bordes filosos y para mejorar la apariencia y terminación de la estructura.

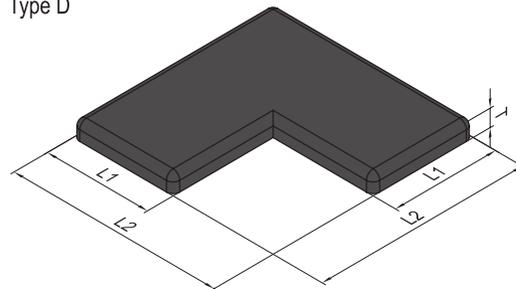
Material y color: ABS negro.



Type C



Type D



Descripción		L1 (mm)	L2 (mm)	T (mm)	Masa (g)	Part No.
Type C	End Cap-PG40-40160	40	160	5	24	4.11.40.40160
	End Cap-PG40-80120	80	120	5	43	4.11.40.80120
	End Cap-PG40-80160	80	160	5	58	4.11.40.80160
	End Cap-PG40-80200	80	200	5	72	4.11.40.80200
	End Cap-PG45-4560	45	60	5	11	4.11.45.4560
	End Cap-PG45-4590	45	90	5	16	4.11.45.4590
	End Cap-PG45-90180	90	180	5	72	4.11.45.90180
	End Cap-PG50-50100	50	100	5	18	4.11.50.50100
Type D	End Cap-PG30-6060L	30	60	5	11	4.11.30.6060L
	End Cap-PG40-8080L	40	80	5	17	4.11.40.8080L
	End Cap-PG45-9090L	45	90	5	22	4.11.45.9090L

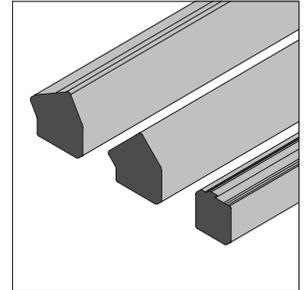
Accesorios de Perfiles

Profile Accessories

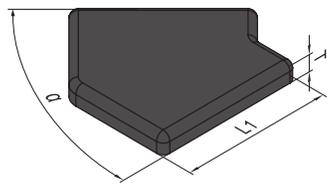
Tapa de Extremo
End Cap

La Tapa de Extremo sirve para ocultar bordes filosos y mejorar la terminación de la estructura.

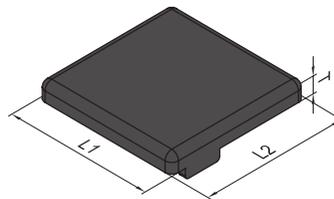
Material y color: ABS negro



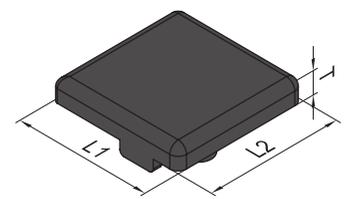
Type E



Type F



Type G



Descripción		L1 (mm)	$\alpha(^{\circ})/L2$ (mm)	T (mm)	Masa (g)	Part No.
Type E	End Cap-Clamping Profile-PG30-3030-R30	30	30	5	4	4.12.30.3030.R30
	End Cap-Clamping Profile-PG30-3030-R45	30	45	5	4	4.12.30.3030.R45
	End Cap-Clamping Profile-PG30-3030-R60	30	60	5	4	4.12.30.3030.R60
	End Cap-Clamping Profile-PG40-4040-R30	40	30	5	6	4.12.40.4040.R30
	End Cap-Clamping Profile-PG40-4040-R45	40	45	5	6	4.12.40.4040.R45
	End Cap-Clamping Profile-PG40-4040-R60	40	60	5	6	4.12.40.4040.R60
Type F	End Cap-Clamping Profile-PG30-3030	30	30	5	4	4.12.30.3030
	End Cap-Clamping Profile-PG40-4040	40	40	5	6	4.12.40.4040
Type G	End Cap-Protective Grille Profile-PG30-3030	30	30	5	4	4.13.30.3030
	End Cap-Protective Grille Profile-PG40-4040	40	40	5	6	4.13.40.4040

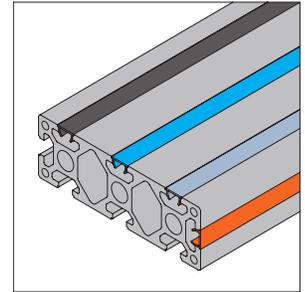
Accesorios de Perfiles

Profile Accessories

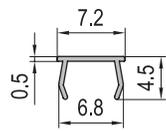
Cobertor de ranura T
T Slot Cover

El Cobertor de Ranura T se utiliza para prevenir acumulación de suciedad en la ranura T y para mejorar la apariencia y terminación de la estructura.

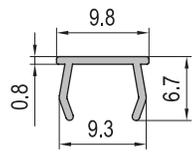
Material y color: PP negro / azul / gris / naranja.



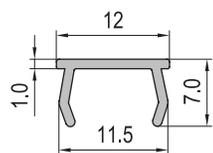
T Slot Cover-6



T Slot Cover-8



T Slot Cover-10



Descripción	Color	Masa (g)	Largo	Part No.
T Slot Cover-6	Black	11	2000mm/bar	4.21.06.BK
T Slot Cover-6	Blue	11	2000mm/bar	4.21.06.BE
T Slot Cover-6	Grey	11	2000mm/bar	4.21.06.GY
T Slot Cover-6	Safety Orange	11	2000mm/bar	4.21.06.SE
T Slot Cover-8	Black	22	2000mm/bar	4.21.08.BK
T Slot Cover-8	Blue	22	2000mm/bar	4.21.08.BE
T Slot Cover-8	Grey	22	2000mm/bar	4.21.08.GY
T Slot Cover-8	Safety Orange	22	2000mm/bar	4.21.08.SE
T Slot Cover-10	Black	38	2000mm/bar	4.21.10.BK
T Slot Cover-10	Blue	38	2000mm/bar	4.21.10.BE
T Slot Cover-10	Grey	38	2000mm/bar	4.21.10.GY
T Slot Cover-10	Safety Orange	38	2000mm/bar	4.21.10.SE



5.11-5.61

Platina de Base
Base Plate

Pata de Nivelación
Leveling Foot

Platina de Pata de Nivelación
Mounting Plate

Platinas de Ruedas Giratorias
Caster Wheel Plate

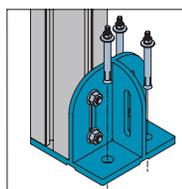
Ruedas Giratorias
Caster Wheel

Ángulo de Refuerzo
Base Angle

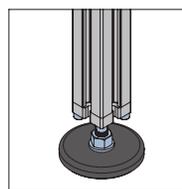
Base con Pata y Rueda Giratoria
Foot and Caster Components

5

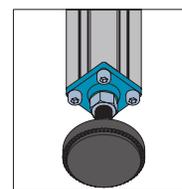
Elementos de Apoyo
Floor Elements



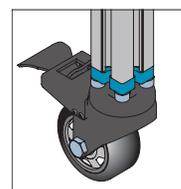
5.11.01



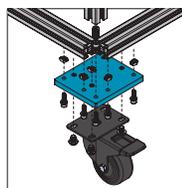
5.21-24



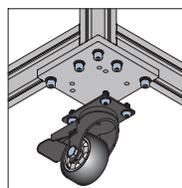
5.31.01



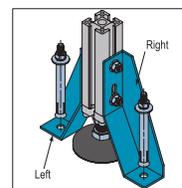
5.32-33



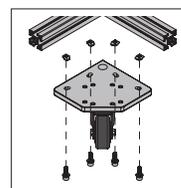
5.34-35



5.41.01



5.51.01



5.61.01

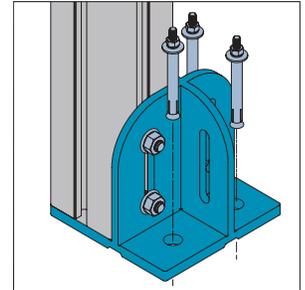
Elementos de Apoyo

Floor Elements

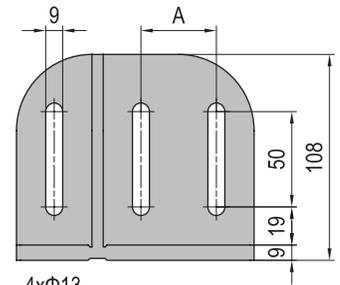
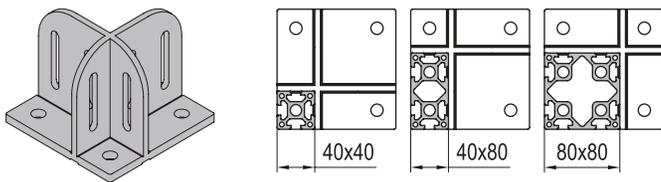
Platina Base
Base Plate

La Platina Base permite fijar las patas de la estructura al suelo mediante la utilización de tacos de expansión. El conjunto instalado ofrece gran estabilidad al sistema.

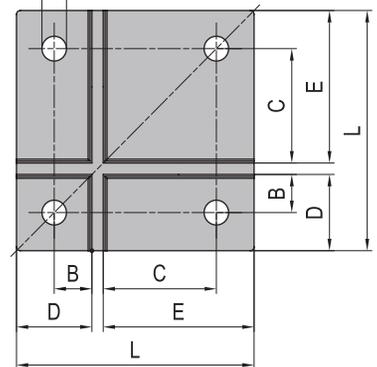
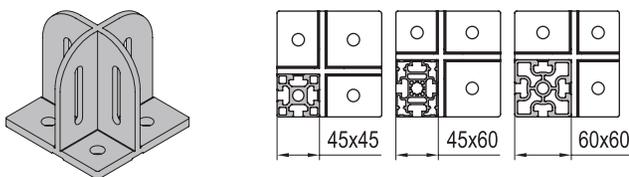
Material y color: Fundición de hierro con terminación de fondo anti-óxido y pintura color gris.



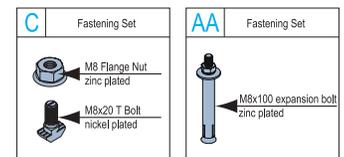
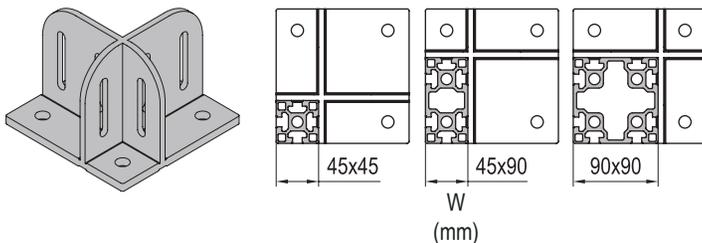
Base Plate-4080



Base Plate-4560



Base Plate-4590



Descripción	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Fastening Set	Masa (g)	Part No.
Base Plate-4080 (pcs)	126	40	20	60	40	80		1930	5.11.4080
Base Plate-4080 (set A)							4x C +3x AA	2240	5.11.4080.STA
Base Plate-4080 (set B)							6x C +3x AA	2290	5.11.4080.STB
Base Plate-4080 (set C)							8x C +3x AA	2340	5.11.4080.STC
Base Plate-4560 (pcs)	111		22.5	30	45	60		1600	5.11.4560
Base Plate-4560 (set)							4x C +3x AA	1910	5.11.4560.ST
Base Plate-4590 (pcs)	141	45	22.5	67.5	45	90		2330	5.11.4590
Base Plate-4590 (set A)							4x C +3x AA	2640	5.11.4590.STA
Base Plate-4590 (set B)							6x C +3x AA	2690	5.11.4590.STB
Base Plate-4590 (set C)							8x C +3x AA	2740	5.11.4590.STC

Elementos de Apoyo
Floor Elements

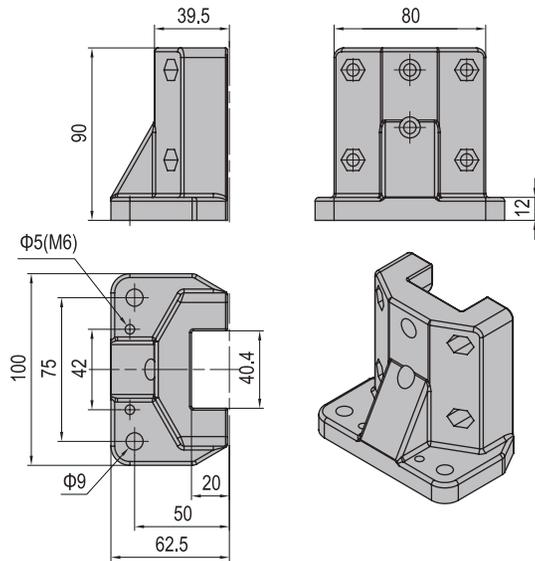
Platina Base
Base Plate

La Platina Base permite fijar las patas de la estructura al suelo mediante la utilización de tacos de expansión. El conjunto instalado ofrece gran estabilidad al sistema.

Material y color: Fundición de hierro con terminación de fondo anti-óxido y pintura color gris.



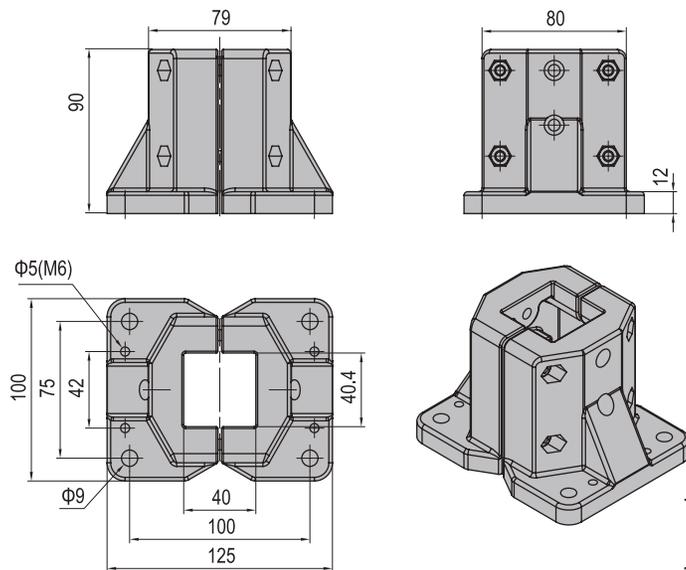
Base Plate-40-A



HV Fastening Set	
	M6x20 Bolt zinc plated
	M6 Pre-set Nut nickel plated

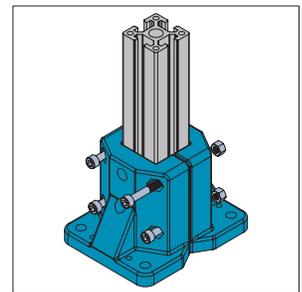
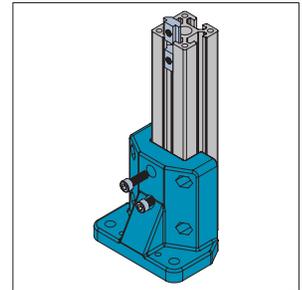
Descripción	Fastening Set	Masa (g)	Part No.
Base Plate-4040 (pc)		445	5.12.4040.PC
Base Plate-4040 (set)	2xHV	490	5.12.4040.STA

Base Plate-40-B



HT Fastening Set	
	M6x45 Bolt zinc plated
	M6 Hex nuts zinc plated

Descripción	Fastening Set	Masa (g)	Part No.
Base Plate-4040 (set)	4xHT	945	5.12.4040.STB



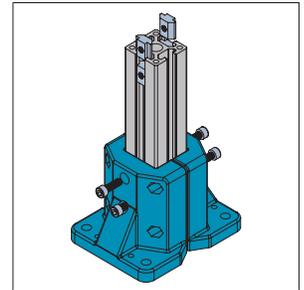
Elementos de Apoyo

Floor Elements

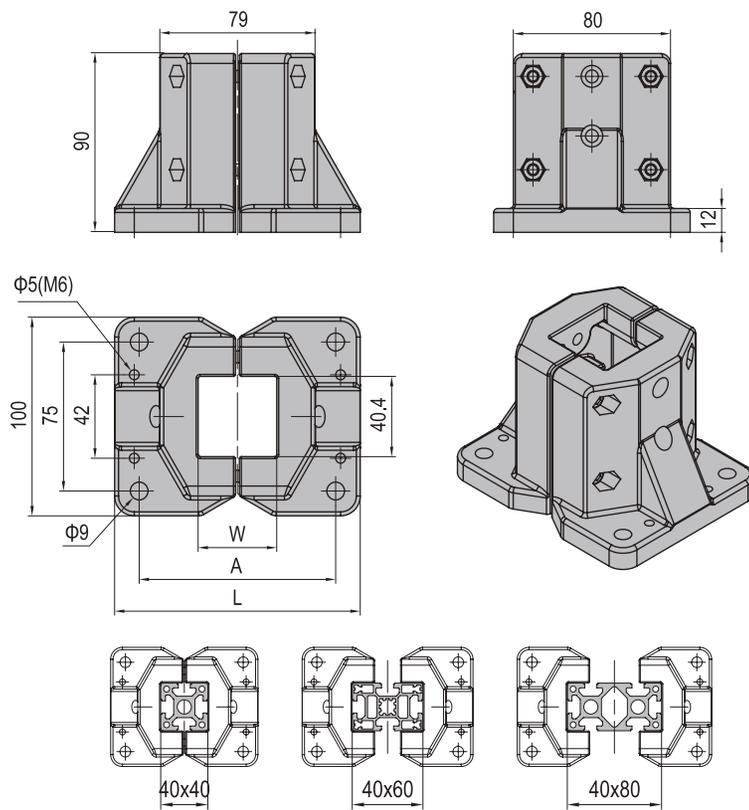
Platina Base
Base Plate

La Platina Base permite fijar las patas de la estructura al suelo mediante la utilización de tacos de expansión. El conjunto instalado ofrece gran estabilidad al sistema.

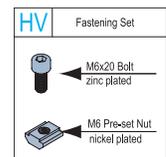
Material y color: Fundición de hierro con terminación de fondo anti-óxido y pintura color gris.



Base Plate-40-C



Descripción	W (mm)	A (mm)	L (mm)	Fastening Set	Masa (g)	Part No.
Base Plate-4040 (set)	40	100	125	4xHV	975	5.12.4040.STC
Base Plate-4060 (set)	60	120	145	4xHV	975	
Base Plate-4080 (set)	80	140	165	4xHV	975	



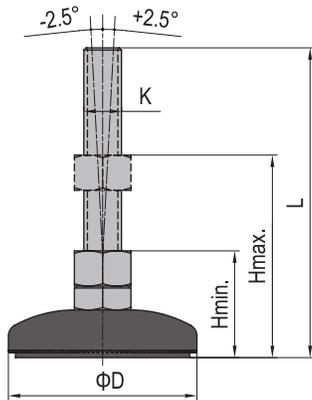
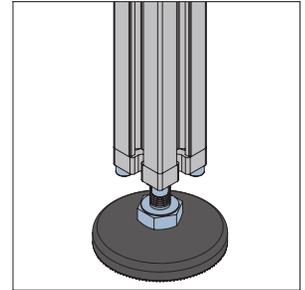
Elementos de Apoyo

Floor Elements

Pata tipo Pivot
Pivot Foot

La Pata tipo Pivot permite apoyar la estructura en zonas que requieren un ajuste gradual de altura. El pequeño ángulo de rotación absorbe las irregularidades del suelo. La conexión entre la base y la varilla roscada se puede desarmar mediante el uso de una herramienta.

Material y color: Varilla roscada-acero al carbono zincado / base-PA6 negro.

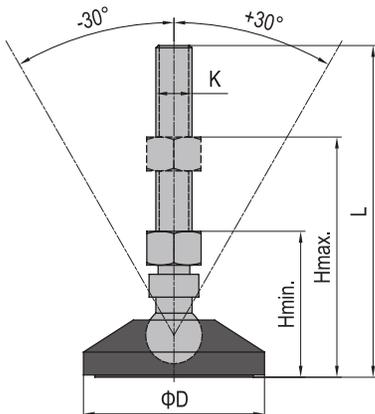
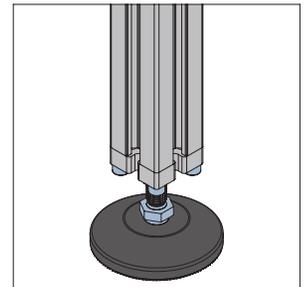


Descripción	D (mm)	K x L (mm)	H mín. (mm)	H máx. (mm)	Carga Estática máx. (N)	Masa (g)	Part No.
Pivot Foot-PA 6 Base	59	M12x90	45	70	10000	152	5.21.60.12.90
	79	M12x90	45	70	10000	188	5.21.80.12.90
	79	M12x130	45	100	10000	218	5.21.80.12.130
	79	M16x130	45	100	10000	328	5.21.80.16.130
	99	M12x130	45	100	10000	326	5.21.100.12.130
	99	M16x130	45	100	10000	436	5.21.100.16.130

Pata tipo Giratoria
Swivel Foot

La Pata tipo Giratoria permite apoyar la estructura en zonas que requieren un ajuste gradual de altura y donde las irregularidades del suelo son grandes. La misma posee una rótula entre la varilla roscada y la base que hace que gire hasta un ángulo de 30°. Son muy útiles en instalaciones donde los equipos se mueven regularmente.

Material y color: Varilla roscada-acero al carbono zincado / base-PA6 negro.

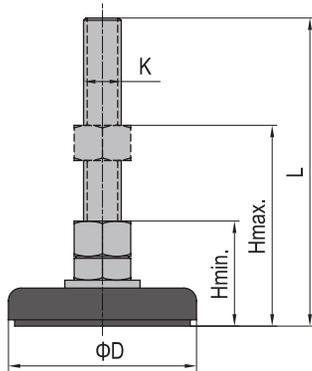
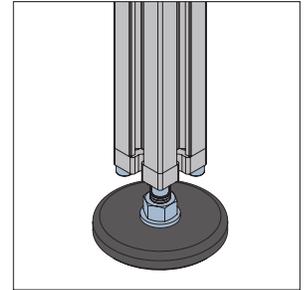


Descripción	D (mm)	K x L (mm)	H mín. (mm)	H máx. (mm)	Carga Estática máx. (N)	Masa (g)	Part No.
Swivel Foot-PA 6 Base	59	M12x90	45	70	10000	162	5.22.60.12.90
	79	M12x90	45	70	10000	198	5.22.80.12.90
	79	M12x130	45	100	10000	228	5.22.80.12.130
	79	M16x130	45	100	10000	338	5.22.80.16.130
	99	M12x130	45	100	10000	336	5.22.100.12.130
	99	M16x130	45	100	10000	446	5.22.100.16.130

Elementos de Apoyo
Floor Elements
Pata Fija
Fixed Foot

La Pata Fija permite apoyar la estructura en zonas que requieren un ajuste gradual de altura. La conexión entre la varilla roscada y la base es rígida.

Material y Color: Varilla roscada-acero al carbono zincado / base-acero al carbono pintada mediante electroforesis color negro.

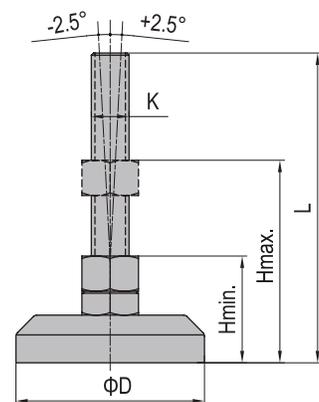
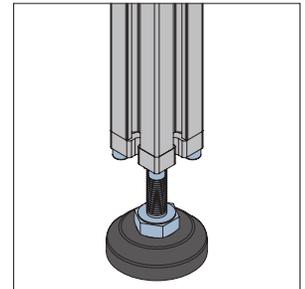


Descripción	D (mm)	K x L (mm)	H mín. (mm)	H máx. (mm)	Carga Estática máx. (N)	Masa (g)	Part No.
Fixed Foot-Steel Base	40	M12x70	35	50	8000	124	5.23.40.12.70
	60	M12x70	35	50	8000	181	5.23.60.12.70
	80	M12x70	35	50	8000	220	5.23.80.12.70
	80	M12x110	35	80	8000	240	5.23.80.12.110
	60	M14x70	38	50	6000	225	5.23.60.14.70
	80	M14x70	38	50	9000	283	5.23.80.14.70

Pata tipo Pivot
Pivot Foot

La Pata tipo Pivot permite apoyar la estructura en zonas que requieren un ajuste gradual de altura. El pequeño ángulo de rotación absorbe las irregularidades del suelo. La conexión entre la base y la varilla roscada se puede desarmar mediante el uso de una herramienta.

Material: Varilla roscada y base en acero al carbono zincado ó en acero inoxidable



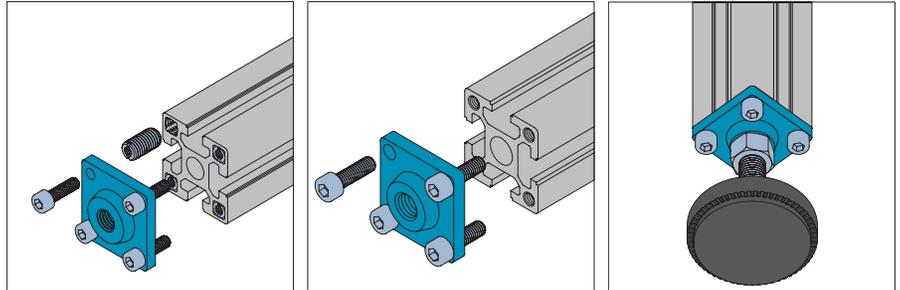
Descripción	D (mm)	K x L (mm)	H mín. (mm)	H máx. (mm)	Carga Estática máx. (N)	Masa (g)	Part No.
Pivot Foot-Zinc Plate Steel	40	M12x128	45	100	25000	241	5.24.40.12.130
	60	M12x128	45	100	25000	475	5.24.60.12.130
	60	M16x158	45	120	30000	596	5.24.60.16.160
	60	M20x178	50	130	35000	796	5.24.60.20.180
	80	M12x128	45	100	25000	670	5.24.80.12.130
	80	M16x158	45	120	30000	780	5.24.80.16.160
	80	M20x178	50	130	35000	945	5.24.80.20.180
Pivot Foot-Stainless Steel	40	M12x128	45	100	25000	240	5.24.40.12.130.SS
	60	M12x128	45	100	25000	480	5.24.60.12.130.SS
	60	M16x158	45	120	30000	600	5.24.60.16.160.SS
	60	M20x178	50	130	35000	803	5.24.60.20.180.SS
	80	M12x128	45	100	25000	675	5.24.80.12.130.SS
	80	M16x158	45	120	30000	785	5.24.80.16.160.SS
	80	M20x178	50	130	35000	950	5.24.80.20.180.SS

Elementos de Apoyo
Floor Elements

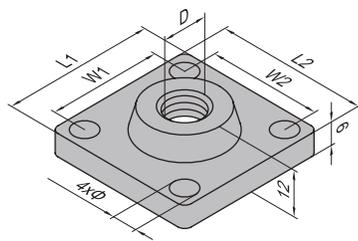
Platina de Montaje
Mounting Plate

La platina permite conectar la pata de nivelación al perfil de aluminio y mejorar la terminación de la estructura.

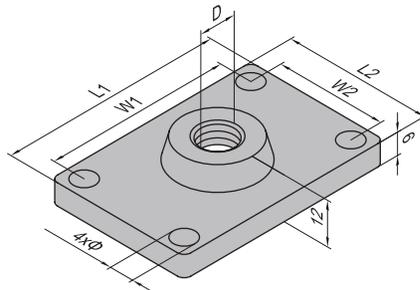
Material y color: Fundición de aluminio.



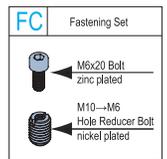
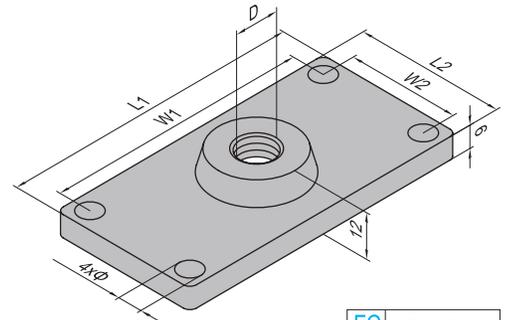
PG40-40x40
PG45-45x45
PG50-50x50



PG40-40x60
PG45-45x60



PG40-40x80
PG45-45x90



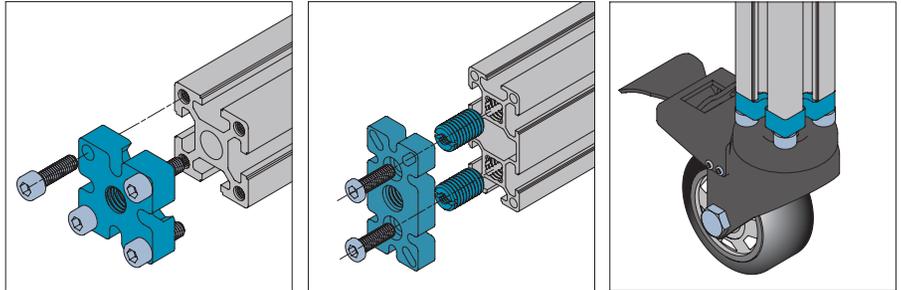
Aplicación	Descripción	D (mm)	Φ	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	Fastening Set	Masa (g)	Part No.
PG40-Profile 4040	PG40-4040	M12	6.5	40	40	30	30	4x(M6x20)	51	5.31.40.4040
PG45-Profile 4545	PG45-4545	M12		45	45	33	33	4xFC	97	5.31.45.4545
PG50-Profile 5050	PG50-5050	M12	8.5	50	50	35	35	4x(M8x30)	130	5.31.50.5050
PG40-Profile 4060	PG40-4060	M12	6.5	60	40	50	30	4x(M6x20)	67	5.31.40.4060
PG45-Profile 4560	PG45-4560	M12		60	45	48	33	4xFC	108	5.31.45.4560
PG40-Profile 4080	PG40-4080	M12		80	40	70	30	4x(M6x20)	78	5.31.40.4080.M12
		M16		80	40	70	30	4x(M6x20)	78	5.31.40.4080.M16
PG45-Profile 4590	PG45-4590	M12	90	45	78	33	4xFC	131	5.31.45.4590.M12	
		M16					4xFC	128	5.31.45.4590.M16	

Elementos de Apoyo

Floor Elements

Platina de Montaje
Mounting Plate

La platina permite conectar tanto las patas como las ruedas al perfil de aluminio y mejorar la terminación de la estructura.



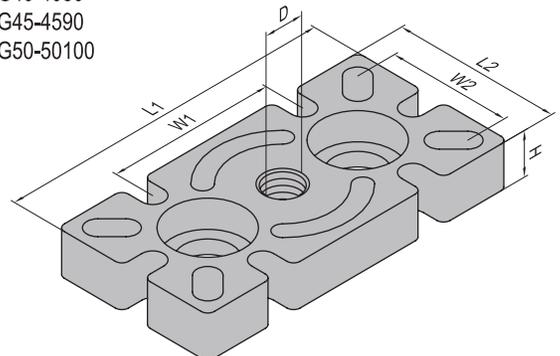
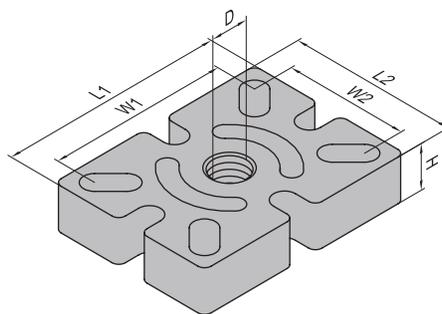
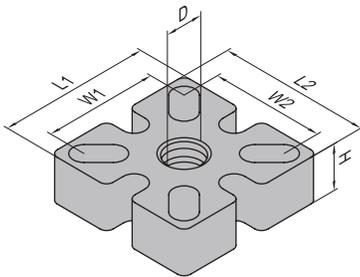
Material y color: fundición de hierro con terminación en pintura gris

PG40-4040
PG45-4545
PG50-5050



PG40-4060
PG45-4560

PG30-3060
PG40-4080
PG45-4590
PG50-50100



FI	Fastening Set	FZ	Fastening Set
	M6x25 Bolt zinc plated		M6x20 Bolt zinc plated
	M10→M6 Hole Reducer Bolt nickel plated		M12→M6 Hole Reducer Bolt nickel plated

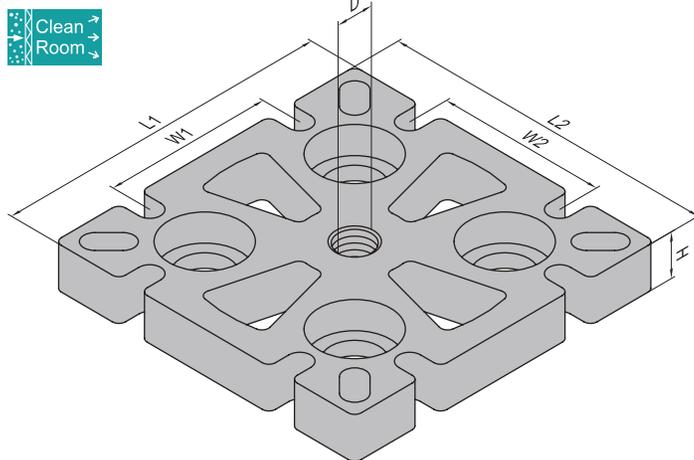
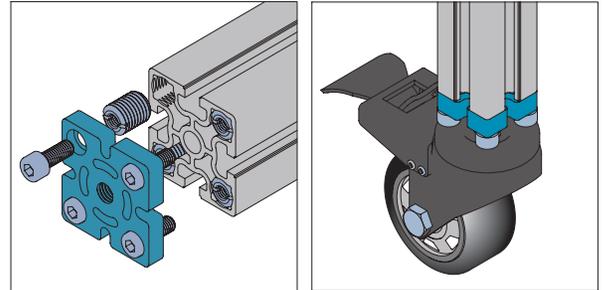
Aplicación	Descripción	D (mm)	Φ	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	Fastening Set	Masa (g)	Part No.
PG40-Profile 4040	PG40-4040	M12	40	40	30	30	12	4x(M6x20)	128	5.32.40.4040
PG45-Profile 4545	PG45-4545	M12	45	45	33	33		4xFI	203	5.32.45.4545
PG50-Profile 5050	PG50-5050	M12	50	50	35	35		4x(M8x20)	218	5.32.50.5050
PG40-Profile 4060	PG40-4060	M12	60	40	50	30		4x(M6x20)	176	5.32.40.4060
PG45-Profile 4560	PG45-4560	M12	60	45	48	33		4xFI	220	5.32.45.4560
PG30-Profile 3060	PG30-3060	M12	60	30	30		10	2xFZ	133	5.32.30.3060
PG40-Profile 4080	PG40-4080	M12	80	40	40	30	12	2x(M14x25)	272	5.32.40.4080.M12
		M16						2x(M14x25)	270	5.32.40.4080.M16
PG45-Profile 4590	PG45-4590	M12	90	45	45	33		2x(M14x25)	332	5.32.45.4590.M12
		M16						2x(M14x25)	330	5.32.45.4590.M16
PG50-Profile 50100	PG50-50100	M12	100	50	50	35		2x(M14x25)	332	5.32.50.50100.M12
		M16						2x(M14x25)	329	5.32.50.50100.M16
		M20						2x(M14x25)	327	5.32.50.50100.M20

Elementos de Apoyo
Floor Elements

Platina de Montaje
Mounting Plate

La platina permite conectar tanto las patas como las ruedas al perfil de aluminio y mejorar la terminación de la estructura.

Material y color: Fundición de hierro con terminación en pintura gris.



FY	Fastening Set	FZ	Fastening Set
	M6x20 Bolt zinc plated		M6x20 Bolt zinc plated
	M16→M8 Hole Reducer Bolt nickel plated		M12→M6 Hole Reducer Bolt nickel plated

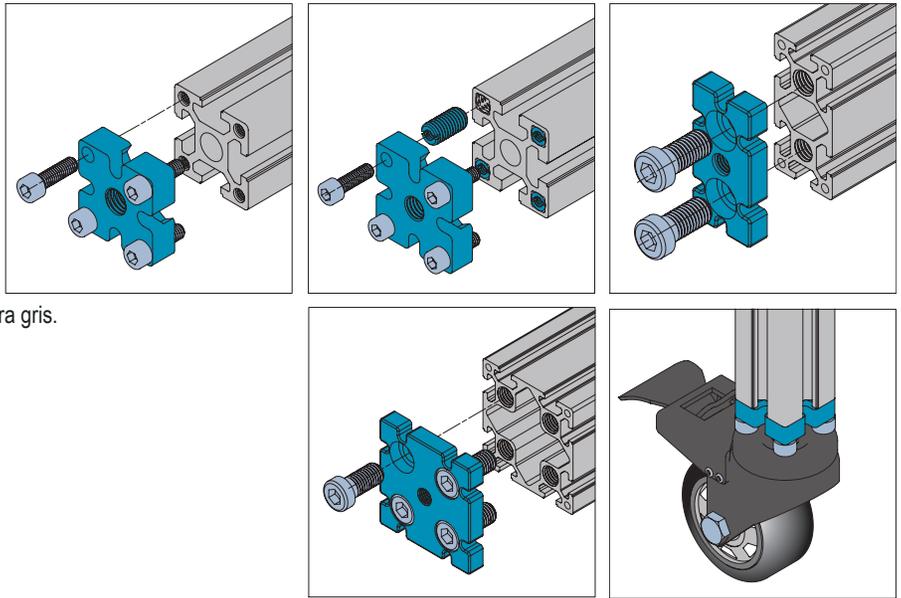
Aplicación	Descripción	D (mm)	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	H (mm)	Fastening Set	Masa (g)	Part No.
PG30-Profile 6060	PG30-6060	M12	60	60	30	30	10	4xFZ	232	5.32.30.6060.M12
		M16							230	5.32.30.6060.M16
PG40-Profile 8080	PG40-8080	M12	80	80	40	40	12	4x(M14x25)	534	5.32.40.8080.M12
		M16						4x(M14x25)	532	5.32.40.8080.M16
		M20						4x(M14x25)	530	5.32.40.8080.M20
PG45-Profile 9090	PG45-9090	M12	90	90	45	45		4x(M14x25)	664	5.32.45.9090.M12
		M16						4x(M14x25)	661	5.32.45.9090.M16
		M20						4x(M14x25)	659	5.32.45.9090.M20
PG50-Profile 100100	PG50-100100	M12	100	100	50	50		4x(M14x25)	725	5.32.50.100100.M12
		M16						4x(M14x25)	722	5.32.50.100100.M16
		M20						4x(M14x25)	720	5.32.50.100100.M20
PG60-Profile 6060	PG60-6060	M12	60	60	40	40		4xFY	330	5.32.60.6060

Elementos de Apoyo
Floor Elements

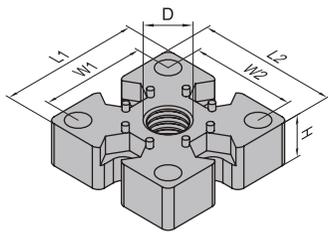
Platina de Montaje
Mounting Plate

La platina permite conectar tanto las patas como las ruedas al perfil de aluminio y mejorar la terminación de la estructura.

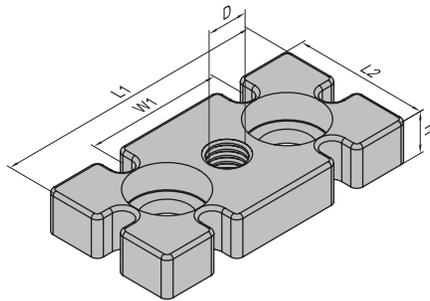
Material y color: Fundición de hierro con terminación en pintura gris.



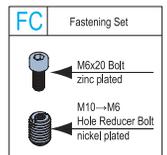
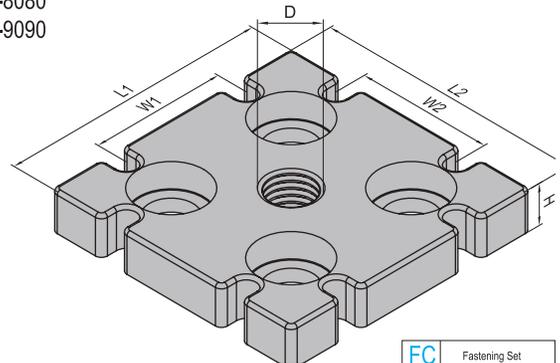
PG40-4040
PG45-4545



PG40-4080
PG45-4590



PG40-8080
PG45-9090



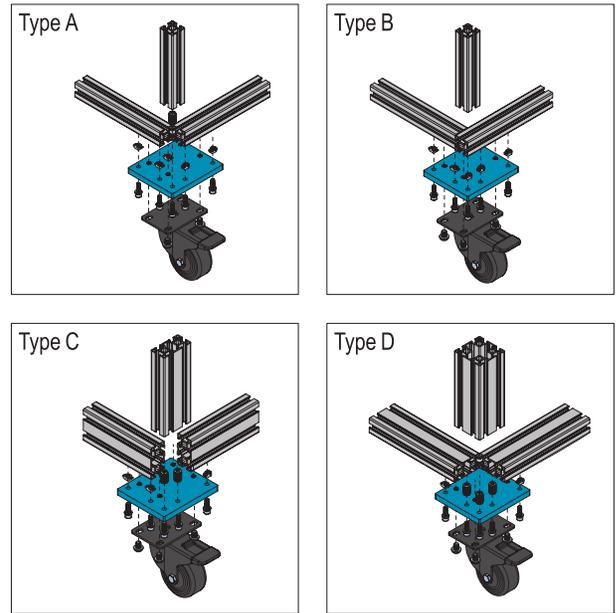
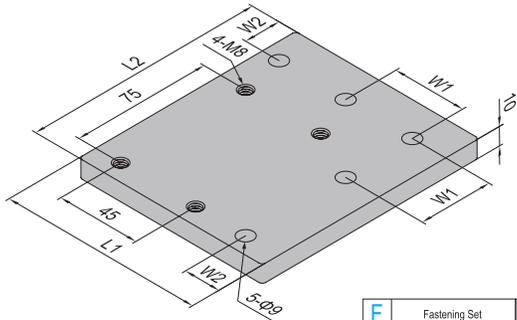
Aplicación	Descripción	D (mm)	Φ	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	Fastening Set	Masa (g)	Part No.
PG40-Profile 4040	PG40-4040	M12	40	40	30	30	12	4x(M6x20)	117	5.33.40.4040
PG45-Profile 4545	PG45-4545	M12	45	45	33	33		4xFC	189	5.33.45.4545
PG40-Profile 4080	PG40-4080	M12	80	40	40			2x(M14x25)	277	5.33.40.4080.M12
		M16						275	5.33.40.4080.M16	
PG45-Profile 4590	PG45-4590	M12	90	45	45			2x(M14x25)	344	5.33.45.4590.M12
		M16							342	5.33.45.4590.M16
PG40-Profile 8080	PG40-8080	M12	80	80	40	40		4x(M14x25)	582	5.33.40.8080.M12
		M16							580	5.33.40.8080.M16
		M20							577	5.33.40.8080.M20
PG45-Profile 9090	PG45-9090	M12	90	90	45	45		4x(M14x25)	714	5.33.45.9090.M12
		M16							712	5.33.45.9090.M16
		M20							709	5.33.45.9090.M20

Elementos de Apoyo
Floor Elements

Platina para Rueda Giratoria
Caster Wheel Plate

La Platina para Rueda Giratoria se utiliza para la conexión de las ruedas giratorias al lateral de los perfiles de aluminio.

Material: Fundición de hierro zincada.



F	Fastening Set	J	Fastening Set	AB	Fastening Set	AC	Fastening Set	AD	Fastening Set	AE	Fastening Set	AF	Fastening Set
	M8x20 Bolt zinc plated		M8x25 Bolt zinc plated		M6x20 Bolt zinc plated		M6 Spring Washer zinc plated		M8x12 Bolt zinc plated		M8 Spring Washer zinc plated		M8 Spring Washer zinc plated
	M8 Washer zinc plated		M8 Washer zinc plated		M6 Washer zinc plated		M6 Washer zinc plated		M8 Washer zinc plated		M8 Washer zinc plated		M8 Washer zinc plated
	M8 T Nut nickel plated		M8 T Nut nickel plated		M6 T Nut nickel plated		M6 T Nut nickel plated		M8 Washer zinc plated		M8 Washer zinc plated		M8 Washer zinc plated
							M12-M6 Hole Reducer Bolt nickel plated				M14-M6 Hole Reducer Bolt nickel plated		M14-M6 Hole Reducer Bolt nickel plated

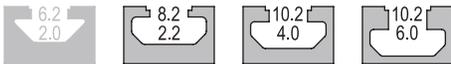
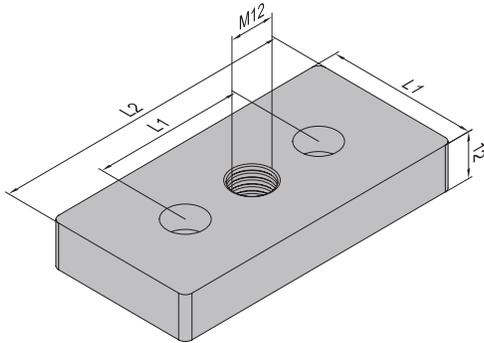
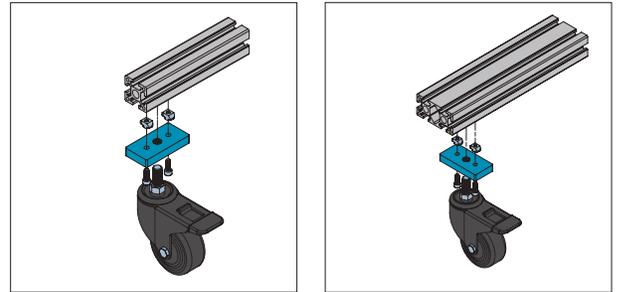
Descripción	L1 (mm)	L2 (mm)	W1 (mm)	W2 (mm)	Fastening Set	Masa (g)	Part No.
PG30 -(set A)	105	120	30	15	4xAB+1xAC+4xAD	1056	5.34.30.STA
PG30 -(set B)	105	120	30	15	5xAB+4xAD	1049	5.34.30.STB
PG30 -(set C)	105	120	30	15	3xAB+2xAC+4xAD	1063	5.34.30.STC
PG30 -(set D)	105	120	30	15	2xAB+3xAC+4xAD	1070	5.34.30.STD
PG40 -(set A)	110	130	40	20	4xF+1xAE+4xAD	1229	5.34.40.STA
PG40 -(set B)	110	130	40	20	5xF+4xAD	1222	5.34.40.STB
PG40 -(set C)	110	130	40	20	3xF+2xAE+4xAD	1236	5.34.40.STC
PG40 -(set D)	110	130	40	20	2xF+3xAE+4xAD	1243	5.34.40.STD
PG45 -(set A)	120	130	45	22.5	4xJ+1xAF+4xAD	1237	5.34.45.STA
PG45 -(set B)	120	130	45	22.5	5xJ+4xAD	1230	5.34.45.STB
PG45 -(set C)	120	130	45	22.5	3xJ+2xAF+4xAD	1244	5.34.45.STC
PG45 -(set D)	120	130	45	22.5	2xJ+3xAF+4xAD	1251	5.34.45.STD

Elementos de Apoyo
Floor Elements

Platina para Rueda Giratoria
Caster Wheel Plate

La Platina para Rueda Giratoria se utiliza para la conexión de las ruedas giratorias al lateral de los perfiles de aluminio.

Material: Fundición de hierro zincada.



CP	Fastening Set	CQ	Fastening Set
	M6x12 Bolt zinc plated		M6x16 Bolt zinc plated
	M6 T Nut nickel plated		M6 T Nut nickel plated

Descripción	L1 (mm)	L2 (mm)	Fastening Set	Masa (g)	Part No.
PG30 -(set)	30	60	2xCP	162	5.35.30.ST
PG40 -(set)	40	80	2xCQ	296	5.35.40.ST
PG45 -(set)	45	90	2xCQ	377	5.35.45.ST

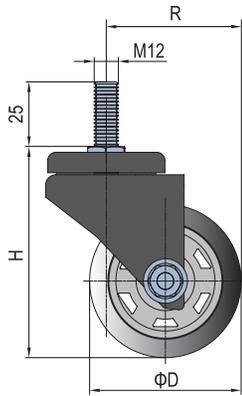
Nota:
Cuando la rueda giratoria se instala como indica la figura, se requiere maquinar el perfil de aluminio con un agujero $\phi 12,5\text{mm}$ y 20mm de profundidad.

Elementos de Apoyo
Floor Elements

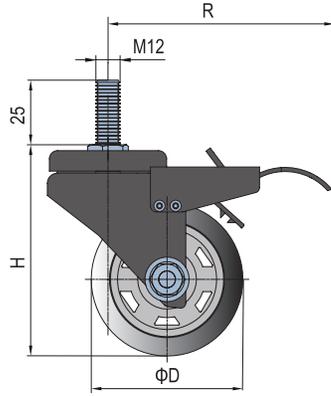
Rueda Giratoria
Caster Wheel

Material: Base-acero al carbono con pintura electrostática color negro / rueda-poliuretano

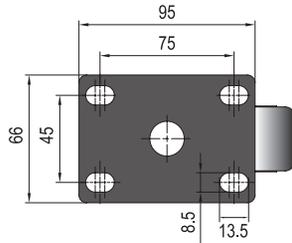
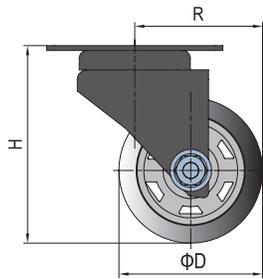
Castor-Thread-Universal



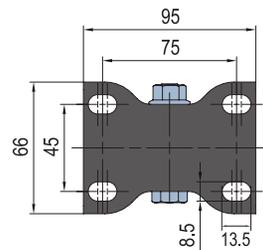
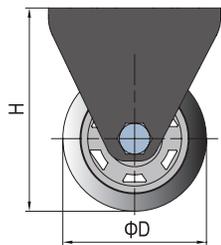
Castor-Thread-Brake



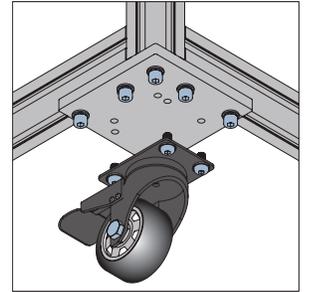
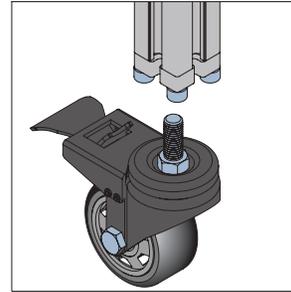
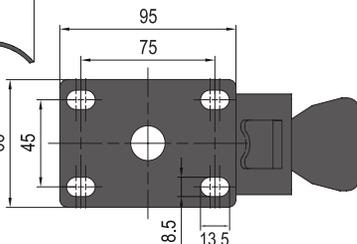
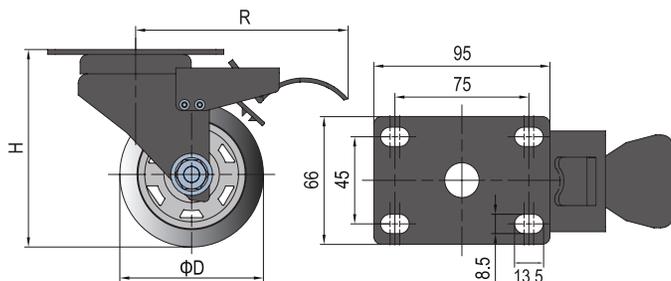
Castor-Plate-Universal



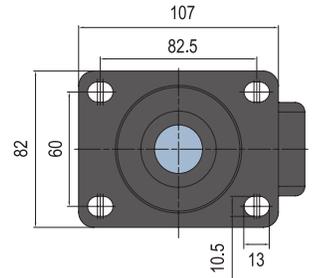
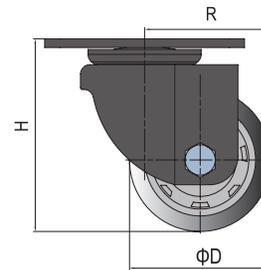
Castor-Plate-Fixed



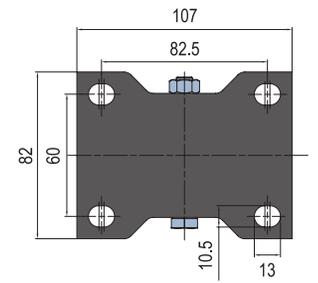
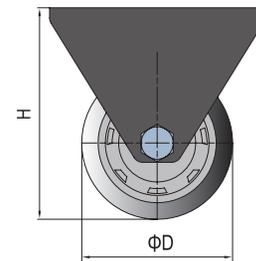
Castor-Plate-Brake



Castor-Plate-Universal-Heavy



Castor-Plate-Fixed-Heavy



Descripción	D (mm)	R (mm)	H (mm)	Carga (N)	Masa (g)	Part No.
Castor-Thread-Universal	63	63	92	800	550	5.41.63.M12
	75	73	107	1050	670	5.41.75.M12
	100	87	130	1350	790	5.41.100.M12
Castor-Thread-Brake	63	103	92	800	650	5.41.63.M12B
	75	103	107	1050	770	5.41.75.M12B
	100	111	130	1350	930	5.41.100.M12B
Castor-Plate-Fixed	63		92	800	370	5.41.63F
	75		107	1050	490	5.41.75F
	100		130	1350	670	5.41.100F
Castor-Plate-Universal	63	63	92	800	570	5.41.63U
	75	73	107	1050	690	5.41.75U
	100	87	130	1350	870	5.41.100U
Castor-Plate-Brake	63	103	92	800	670	5.41.63B
	75	103	107	1050	790	5.41.75B
	100	111	130	1350	970	5.41.100B
Castor-Plate-Universal-Heavy	75	65	104	6000	1150	5.41.75UH
Castor-Plate-Fixed-Heavy	75		104	6000	950	5.41.75FH

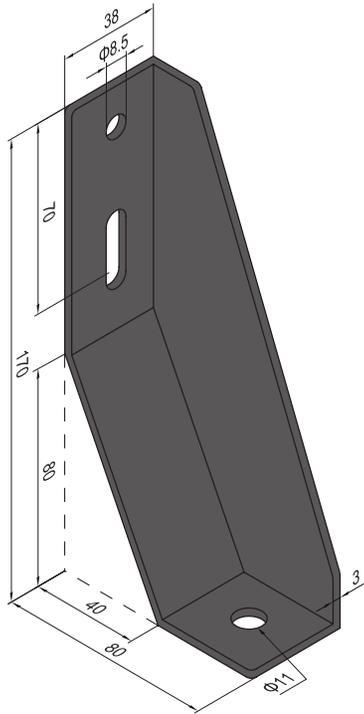
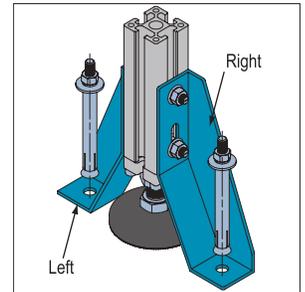
Elementos de Apoyo
Floor Elements

Base de Refuerzo
Base Angle

La Base de Refuerzo permite mejorar la estabilidad de la estructura que apoya sobre patas de nivelación.

Material: Acero al carbono, tratamiento superficial de electrofóresis color negro.

Base Angle-Left/Right



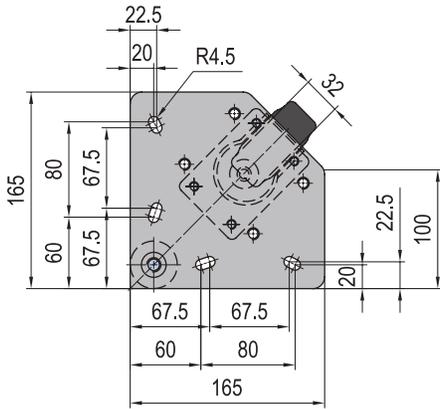
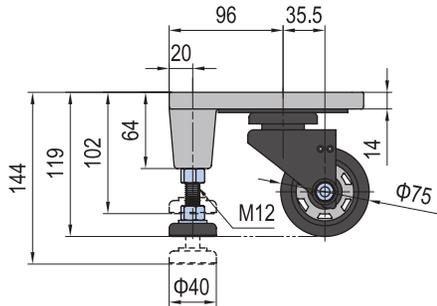
C	Fastening Set	AA	Fastening Set
	M8 Flange Nut zinc plated		M8x100 expansion bolt zinc plated
	M8x20 T Bolt nickel plated		

Descripción	Fastening Set	Masa (g)	Part No.
Base Angle-Left (pcs)		346	5.51.L
Base Angle-Left (set)	2xC+1xAA	443	5.51.L.ST
Base Angle-Right (pcs)		346	5.51.R
Base Angle-Right (set)	2xC+1xAA	443	5.51.R.ST
Base Angle-L+R (pair)		692	5.51.P
Base Angle-L+R (set)	4xC+2xAA	886	5.51.P.ST

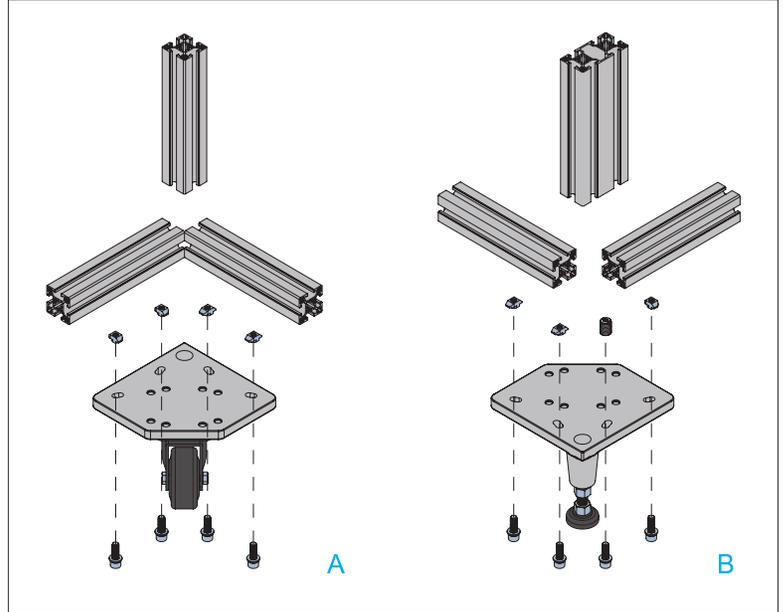
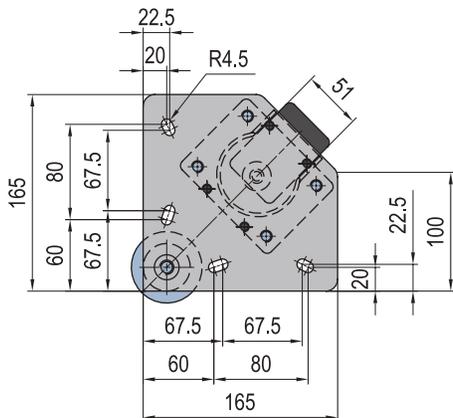
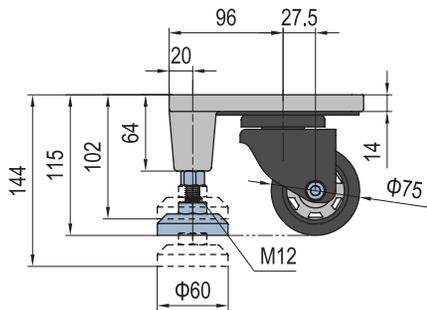
Elementos de Apoyo
Floor Elements

Base con Pata y Rueda Giratoria
Foot and Caster Components

Material: Base-acero al carbono c/tratamiento de electrofóresis color negro
rueda-poliuretano.



Wheel-PA Foot-zinc plated steel



AF	Fastening Set	AG	Fastening Set	J	Fastening Set	W	Fastening Set
	M8x25 Bolt zinc plated		M8x30 Bolt zinc plated		M8x25 Bolt zinc plated		M8x30 Bolt zinc plated
	M8 Spring Washer zinc plated		M8 Spring Washer zinc plated		M8 Spring Washer zinc plated		M8 Spring Washer zinc plated
	M8 Washer zinc plated		M8 Washer zinc plated		M8 Washer zinc plated		M8 Washer zinc plated
	M14-M8 Hole Reducer Bolt nickel plated		M14-M8 Hole Reducer Bolt nickel plated		M8 T Nut zinc plated		M8 T Nut nickel plated

Descripción	Fastening Set	Carga (N)	Masa (g)	Part No.
Light-Weight		1050	3900	5.61.L
	4xJ	1050	3950	5.61.40.L.STA
	3xJ+1xAF	1050	3950	5.61.40.L.STB
	4xW	1050	3950	5.61.45.L.STA
Heavy-Weight	3xW+1xAG	1050	3950	5.61.45.L.STB
		6000	4600	5.61.H
	4xJ	6000	4650	5.61.40.H.STA
	3xJ+1xAF	6000	4650	5.61.40.H.STB
	6000	4650	5.61.45.H.STA	
	3xW+1xAG	6000	4650	5.61.45.H.STB



6.11-6.41

Perfil Reductor de Ranura T
T Slot Reducing Profile

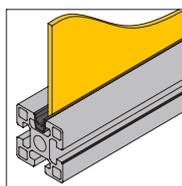
Bloque para Montaje de Panel
Panel Mounting Block

Burlete para Montaje de Panel
Panel Mounting Strip

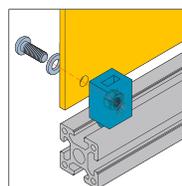
Bloque para Montaje de Malla
Mounting Block

6

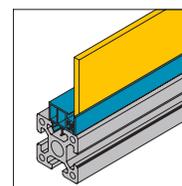
Elementos para Instalación de Paneles *Panel Installation Elements*



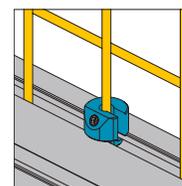
6.11.01



6.21.01



6.31.01



6.41.01

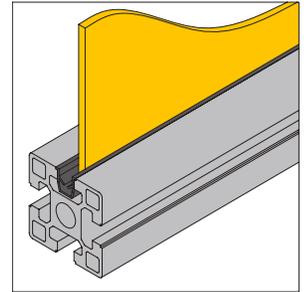
Elementos para Instalación de Paneles

Panel Installation Elements

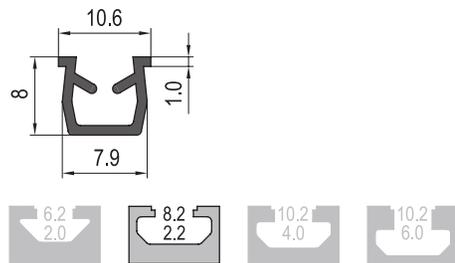
Perfil Reductor de Ranura T
T Slot Reducing Profile

El Perfil Reductor de Ranura T se utiliza para reducir el ancho de la ranura y permitir la instalación de paneles de menor espesor.

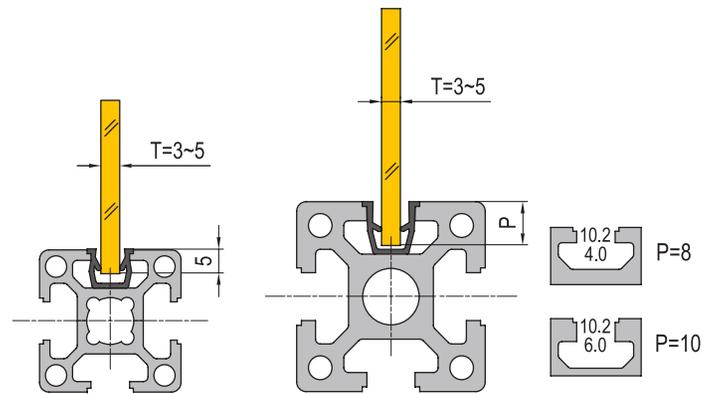
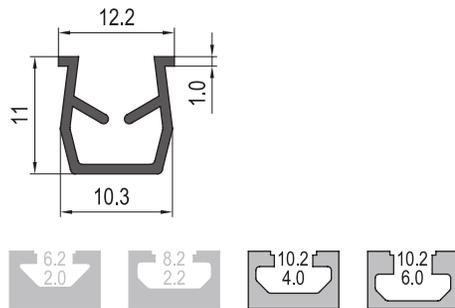
Material y color: PVC negro.



T Slot Reducing Profile-8



T Slot Reducing Profile-10



Descripción	Masa (g/m)	Largo	Part No.
T Slot Reducing Profile-8	51	2000mm/bar	6.11.08
T Slot Reducing Profile-10	64	2000mm/bar	6.11.10

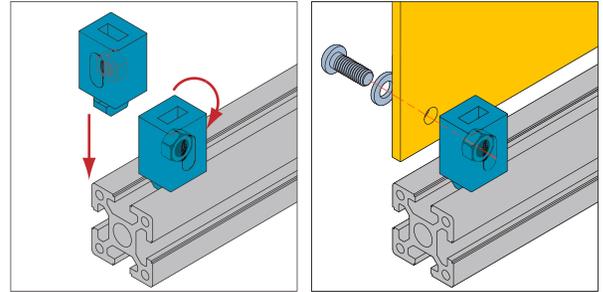
Elementos para Instalación de Paneles

Panel Installation Elements

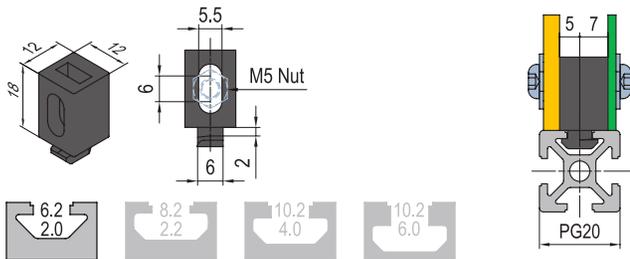
Bloque para Montaje de Panel
Panel Mounting Plate

El Bloque para Montaje de Panel permite conectar el perfil de aluminio a paneles de diferente material y espesor.

Material y color: Bloque-PVC negro / tornillería-acero inoxidable.

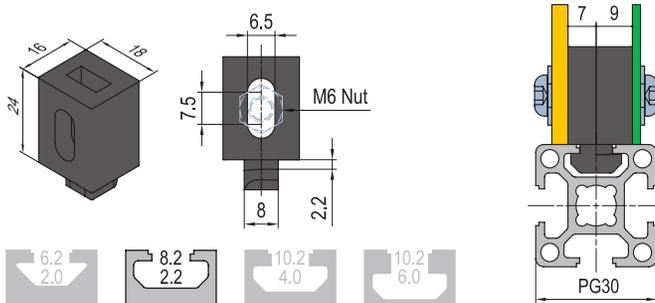


Panel Mounting Block-6

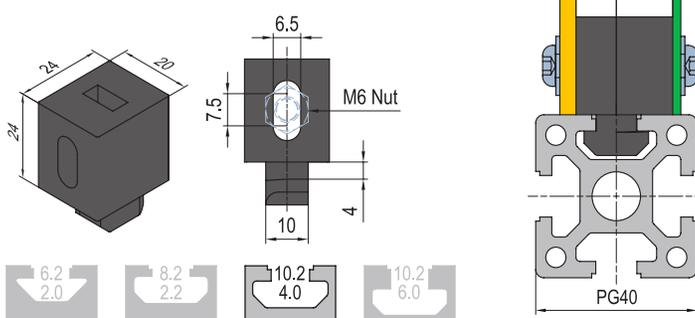


FM	Fastening Set	FN	Fastening Set	FP	Fastening Set
	M5x14 Bolt zinc plated		M6x16 Bolt zinc plated		M6x25 Bolt zinc plated
	M5 Washer zinc plated		M6 Washer zinc plated		M6 Washer zinc plated

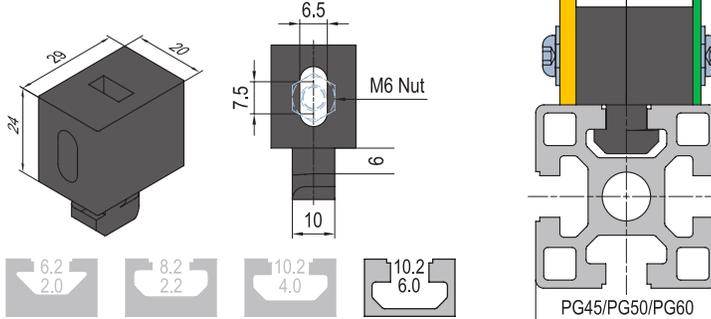
Panel Mounting Block-8



Panel Mounting Block-10-4



Panel Mounting Block-10-6



Descripción	Fastening Set	Masa (g)	Part No.
Panel Mounting Block-6 (pcs)		4.4	6.21.06
Panel Mounting Block-6 (set)	1xFM	7	6.21.06.ST
Panel Mounting Block-8 (pcs)		9	6.21.08
Panel Mounting Block-8 (set)	1xFN	13.5	6.21.08.ST
Panel Mounting Block-10-4 (pcs)		15.8	6.21.10.04
Panel Mounting Block-10-4 (set)	1xFP	23.8	6.21.10.04.ST
Panel Mounting Block-10-6 (pcs)		20	6.21.10.06
Panel Mounting Block-10-6 (set)	1xFP	29	6.21.10.06.ST

Elementos para Instalación de Paneles

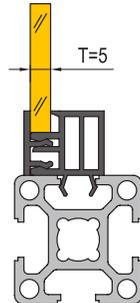
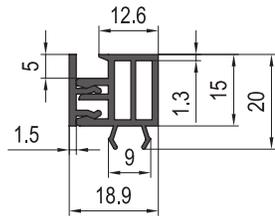
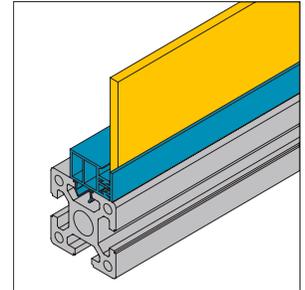
Panel Installation Elements

Burlete para Montaje de Panel
Panel Mounting Strip

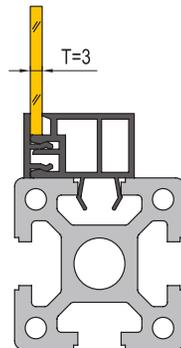
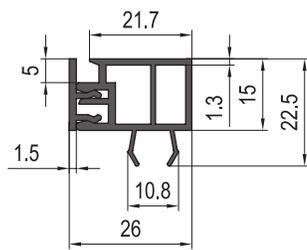
El Burlete para Montaje de Panel es usado extensamente como solución de cerramientos en salas blancas.

Material y color: Bloque-PVC gris

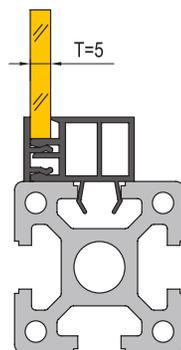
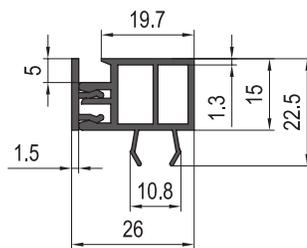
Panel Mounting Strip-8-5



Panel Mounting Strip-10-4-3



Panel Mounting Strip-10-4-5



Descripción	Masa (g/m)	Largo	Part No.
Panel Mounting Strip-8-5	220	2000mm/bar	6.31.08.02
Panel Mounting Strip-10-4-3	273	2000mm/bar	6.31.10.04.01
Panel Mounting Strip-10-4-5	260	2000mm/bar	6.31.10.04.02

Elementos para Instalación de Paneles

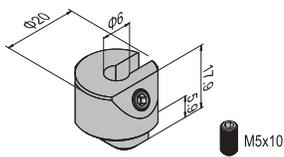
Panel Installation Elements

Bloque para Montaje de Malla Mounting Block

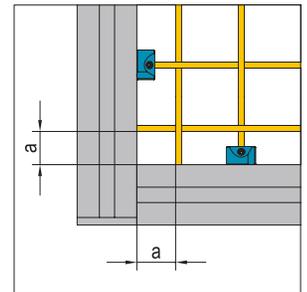
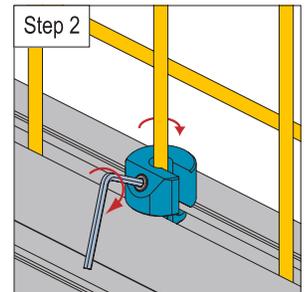
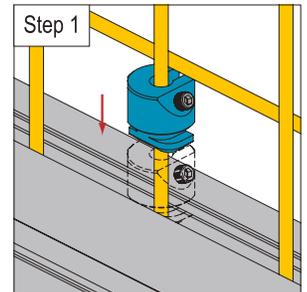
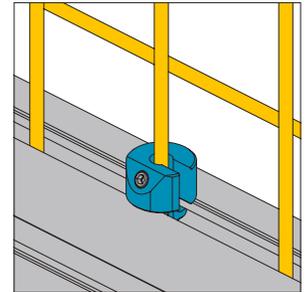
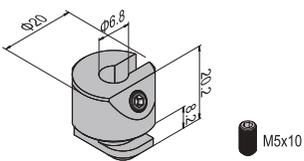
El Bloque para Montaje de Malla es usado para fijar mallas $\phi 4\text{mm}$ a un marco de perfiles de aluminio estándar.

Material: Fundición de zinc.

Mounting Block-8



Mounting Block-10



Nota:

- La distancia (a) entre el perfil y la malla debe ser mayor que 20mm.
- La distancia óptima entre bloques de montaje es 300mm.

Descripción	Masa (g/pcs)	Part No.
Mounting Block-8(with top thread)	20	6.41.08.01
Mounting Block-10(with top thread)	22	6.41.10.01



7.11-7.51

Manija / Asa
Handle

Bisagra
Hinge

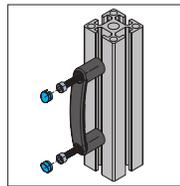
Cerradura
Lock

Cierre Magnético
Magnet Catch

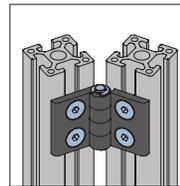
Cerradura de Puerta
Door Locks

Perfil para Ventana Corrediza
Sliding Door Profile

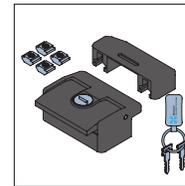
7 Elementos de Puertas y Ventanas
Door and Window Elements



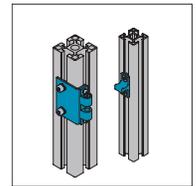
7.11-13



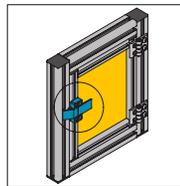
7.21-28



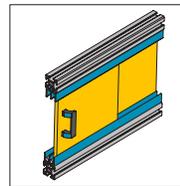
7.31.01



7.41



7.42.01



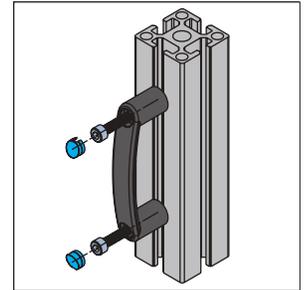
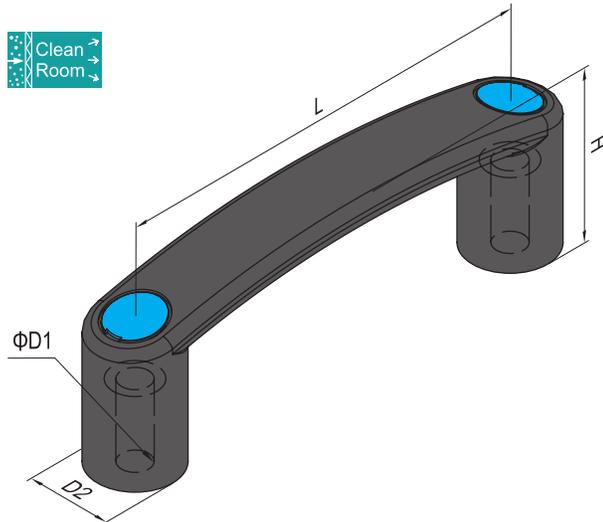
7.51.01

Elementos de Puertas y Ventanas

Door and Window Elements

 Manija / Asa
 Handle

Material y color: Manija-PA6 negro con tapones azules o negros.



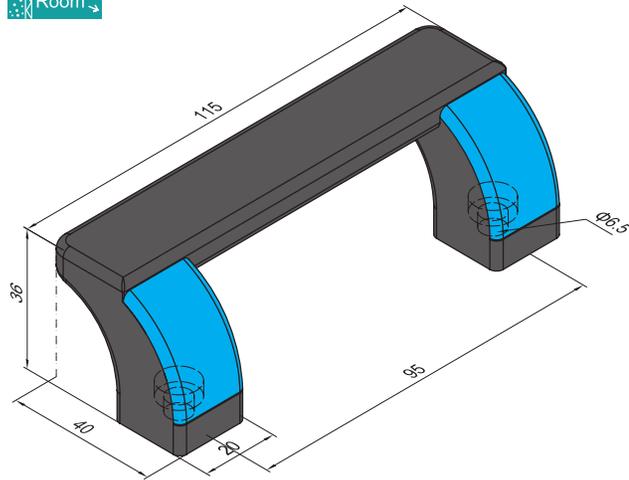
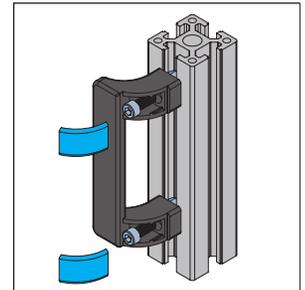
CA	Fastening Set	CB	Fastening Set	CD	Fastening Set	CE	Fastening Set
	M5x25 Bolt zinc plated		M6x25 Bolt zinc plated		M8x25 Bolt zinc plated		M8x30 Bolt zinc plated
	M5 T Nut nickel plated		M6 T Nut nickel plated		M8 T Nut nickel plated		M8 T Nut nickel plated

Aplicación	Descripción	L (mm)	H (mm)	D1 (mm)	D2 (mm)	Fastening Set	Color de Tapa	Masa (g)	Part No.
PG15/20 	PA6 Handle-90 (pcs)	90	36	6.5	18			23	7.11.90.06.BE
	PA6 Handle-90 (set)					2xCA		41	7.11.90.06.BE.ST
	PA6 Handle-90 (pcs)							23	7.11.90.06.BK
	PA6 Handle-90 (set)					2xCA		41	7.11.90.06.BK.ST
PG30 	PA6 Handle-90 (pcs)	90	36	6.5	18			23	7.11.90.08.BE
	PA6 Handle-90 (set)					2xCB		45	7.11.90.08.BE.ST
	PA6 Handle-90 (pcs)							23	7.11.90.08.BK
	PA6 Handle-90 (set)					2xCB		45	7.11.90.08.BK.ST
	PA6 Handle-120 (pcs)	120	40	8.5	25			45	7.11.120.08.BE
	PA6 Handle-120 (set)					2xCB		68	7.11.120.08.BE.ST
	PA6 Handle-120 (pcs)							45	7.11.120.08.BK
	PA6 Handle-120 (set)					2xCB		68	7.11.120.08.BK.ST
PG40 	PA6 Handle-120 (pcs)	120	40	8.5	25			45	7.11.120.10.04.BE
	PA6 Handle-120 (set)					2xCD		88	7.11.120.10.04.BE.ST
	PA6 Handle-120 (pcs)							45	7.11.120.10.04.BK
	PA6 Handle-120 (set)					2xCD		88	7.11.120.10.04.BK.ST
PG45/50/60 	PA6 Handle-120 (pcs)	120	40	8.5	25			45	7.11.120.10.06.BE
	PA6 Handle-120 (set)					2xCE		104	7.11.120.10.06.BE.ST
	PA6 Handle-120 (pcs)							45	7.11.120.10.06.BK
	PA6 Handle-120 (set)					2xCE		104	7.11.120.10.06.BK.ST

Elementos de Puertas y Ventanas
Door and Window Elements

Manija / Asa
Handle

Material y color: Manija-PA6 negro con tapones azules o negros.



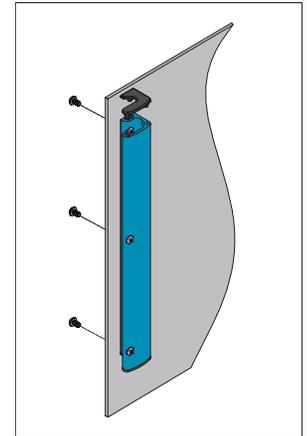
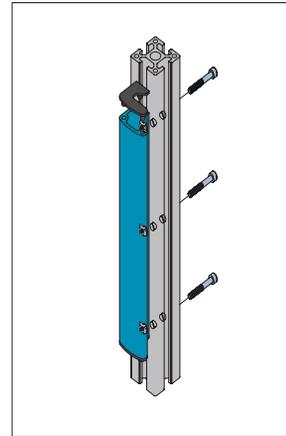
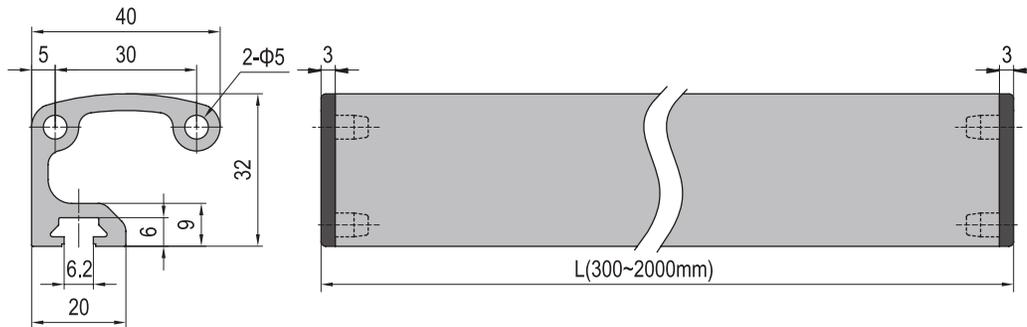
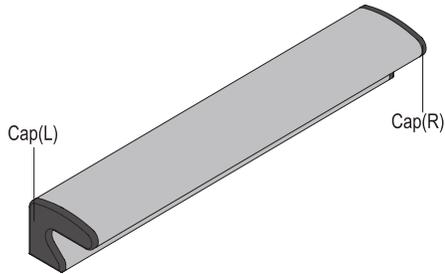
CP	Fastening Set	CQ	Fastening Set
	M6x12 Bolt zinc plated		M6x16 Bolt zinc plated
	M6 T Nut nickel plated		M6 T Nut nickel plated

Aplicación	Descripción	Fastening Set	Color de Tapa	Masa (g)	Part No.
PG30 	Guard Wing Handle -95 (pc)			70	7.12.95.08.BE
	Guard Wing Handle -95 (set)	2xCP		88	7.12.95.08.BE.ST
	Guard Wing Handle -95 (pc)			70	7.12.95.08.BK
	Guard Wing Handle -95 (set)	2xCP		88	7.12.95.08.BK.ST
PG40/45/50/60 	Guard Wing Handle -95 (pc)			70	7.12.95.10.BE
	Guard Wing Handle -95 (set)	2xCQ		96	7.12.95.10.BE.ST
	Guard Wing Handle -95 (pc)			70	7.12.95.10.BK
	Guard Wing Handle -95 (set)	2xCQ		96	7.12.95.10.BK.ST

Elementos de Puertas y Ventanas
Door and Window Elements

Manija / Asa de Aluminio
Aluminum Handle

Material y color: Manija-aluminio / tapa-ABS gris o negro.



PA	Fastening Set	PB	Fastening Set
	M5x10 Bolt zinc plated		M5x35 Bolt zinc plated
	M5 Washer zinc plated		M5 T Nut nickel plated

Aplicación	Descripción	Color de Tapa	L (mm)	Fastening Set	Masa (g)	Part No.	
4mm Panel	Aluminum Handle (pc)		300		216	7.13.P.GY	
	Aluminum Handle (set)			3×PA	224	7.13.P.GY.ST	
	Aluminum Handle (pc)				216	7.13.P.BK	
	Aluminum Handle (set)			3×PA	224	7.13.P.BK.ST	
PG40/45 	Aluminum Handle (pc)					216	7.13.10.GY
	Aluminum Handle (set)			3×PB	231	7.13.10.GY.ST	
	Aluminum Handle (pc)					216	7.13.10.BK
	Aluminum Handle (set)			3×PB	231	7.13.10.BK.ST	

Nota: El largo puede ser personalizado de acuerdo al requerimiento del cliente de 300 ~ 2000mm.
Ejemplo: 7.13.P.GY - 500

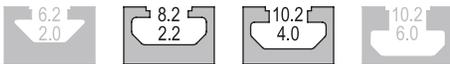
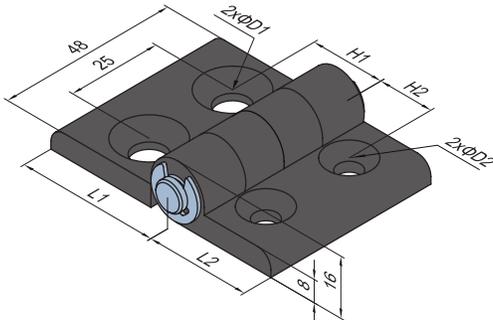
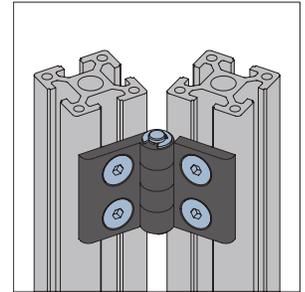


Elementos de Puertas y Ventanas
Door and Window Elements

Bisagra
Hinge

Material y color: PA6 negro

Hinge-PA6



FG	Fastening Set	FL	Fastening Set
	M5x16 Bolt zinc plated		M6x14 Bolt zinc plated
	M8 T Nut nickel plated		M6 T Nut nickel plated

Descripción	H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)	D1 (mm)	D2 (mm)	Fastening Set	Masa (g)	Part No.
30/30 (pcs)	15	15	28	28	6.5	6.5		39	7.21.30.30
30/30 (set)	15	15	28	28	6.5	6.5	4xFL	73	7.21.30.30.ST
30/40 (pcs)	20	15	38	28	8.5	6.5		42	7.21.30.40
30/40 (set)	20	15	38	28	8.5	6.5	2xFG+2xFL	88	7.21.30.40.ST
40/40 (pcs)	20	20	38	38	8.5	8.5		45	7.21.40.40
40/40 (set)	20	20	38	38	8.5	8.5	4xFG	108	7.21.40.40.ST

Elementos de Puertas y Ventanas

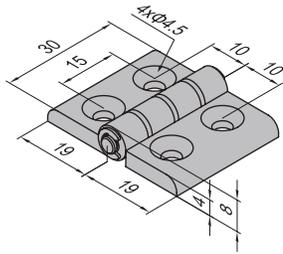
Door and Window Elements

Bisagra
Hinge

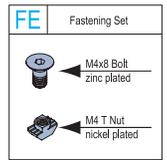
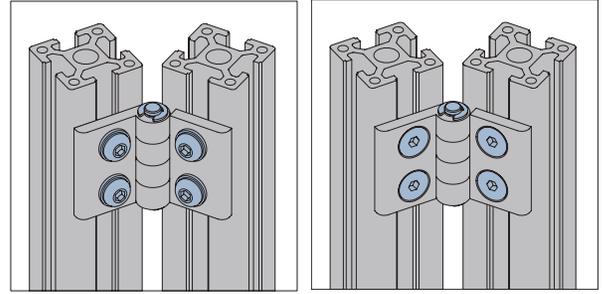
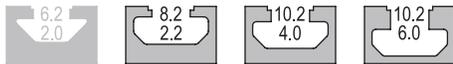
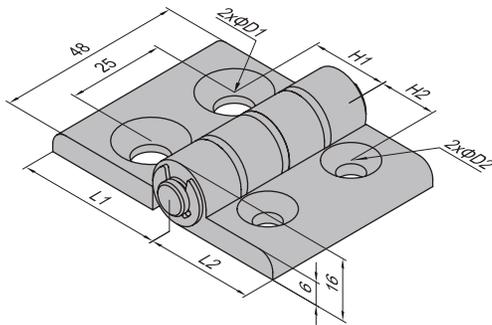
Material y color: Aluminio anodizado gris.



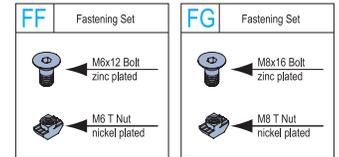
Hinge-Aluminum Countersink Hole



Hinge-Aluminum Countersink Hole



Descripción	H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)	D1 (mm)	D2 (mm)	Fastening Set	Masa (g)	Part No.
20/20 (pcs)								15	7.22.20.20
20/20 (set)							4xFE	25	7.22.20.20.ST



Descripción	H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)	D1 (mm)	D2 (mm)	Fastening Set	Masa (g)	Part No.
30/30 (pcs)	15	15	28	28	6.5	6.5		69	7.22.30.30
30/30 (set)	15	15	28	28	6.5	6.5	4xFF	97	7.22.30.30.ST
30/40 (pcs)	20	15	38	28	8.5	6.5		74	7.22.30.40
30/40 (set)	20	15	38	28	8.5	6.5	2xFF+2xFG	122	7.22.30.40.ST
30/45 (pcs)	22.5	15	38	28	8.5	6.5		74	7.22.30.45
30/45 (set)	22.5	15	38	28	8.5	6.5	2xFF+2xFG	122	7.22.30.45.ST
40/40 (pcs)	20	20	38	38	8.5	8.5		81	7.22.40.40
40/40 (set)	20	20	38	38	8.5	8.5	4xFG	149	7.22.40.40.ST
40/45 (pcs)	22.5	20	38	38	8.5	8.5		81	7.22.40.45
40/45 (set)	22.5	20	38	38	8.5	8.5	4xFG	149	7.22.40.45.ST
45/45 (pcs)	22.5	22.5	38	38	8.5	8.5		81	7.22.45.45
45/45 (set)	22.5	22.5	38	38	8.5	8.5	4xFG	149	7.22.45.45.ST

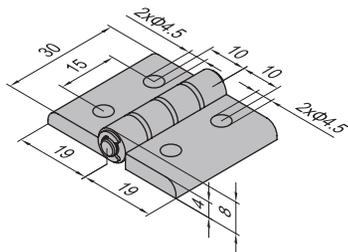
Elementos de Puertas y Ventanas
Door and Window Elements

Bisagra
Hinge

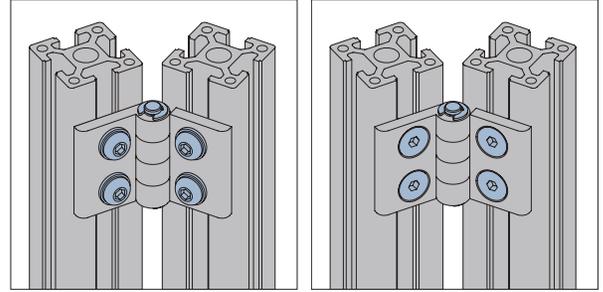
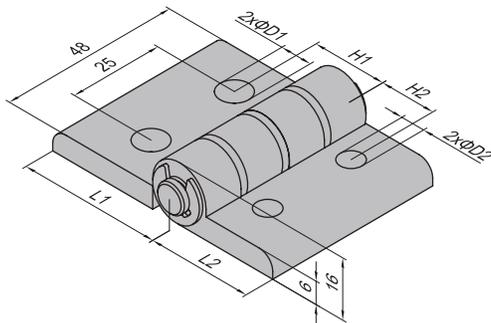
Material y color: Aluminio anodizado gris.



Hinge-Aluminum alloy-Through Hole



Hinge-Aluminum alloy-Through Hole



PC	Fastening Set
	M4x10 Bolt zinc plated
	M4 Washer zinc plated
	M4 T Nut nickel plated

Descripción	H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)	D1 (mm)	D2 (mm)	Fastening Set	Masa (g)	Part No.
20/20 (pcs)								15	7.23.20.20
20/20 (set)							4xPC	29	7.23.20.20.ST

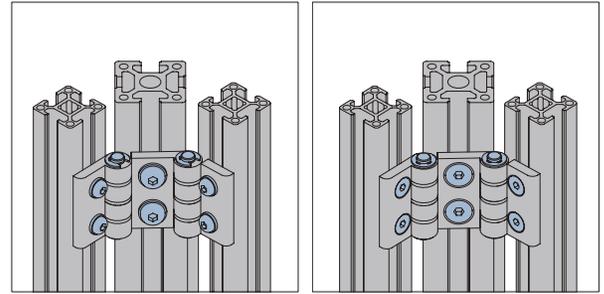
FH	Fastening Set	FJ	Fastening Set	FK	Fastening Set
	M6x14 Bolt zinc plated		M8x16 Bolt zinc plated		M8x20 Bolt zinc plated
	M6 Washer zinc plated		M8 Washer zinc plated		M8 Washer zinc plated
	M6 T Nut nickel plated		M8 T Nut nickel plated		M8 T Nut nickel plated

Descripción	H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)	D1 (mm)	D2 (mm)	Fastening Set	Masa (g)	Part No.
30/30 (pcs)	15	15	28	28	6.5	6.5		71	7.23.30.30
30/30 (set)	15	15	28	28	6.5	6.5	4xFH	99	7.23.30.30.ST
30/40 (pcs)	20	15	38	28	8.5	6.5		76	7.23.30.40
30/40 (set)	20	15	38	28	8.5	6.5	2xFH+2xFJ	124	7.23.30.40.ST
30/45 (pcs)	22.5	15	38	28	8.5	6.5		76	7.23.30.45
30/45 (set)	22.5	15	38	28	8.5	6.5	2xFH+2xFK	127	7.23.30.45.ST
40/40 (pcs)	20	20	38	38	8.5	8.5		83	7.23.40.40
40/40 (set)	20	20	38	38	8.5	8.5	4xFJ	151	7.23.40.40.ST
40/45 (pcs)	22.5	20	38	38	8.5	8.5		83	7.23.40.45
40/45 (set)	22.5	20	38	38	8.5	8.5	2xFJ+2xFK	156	7.23.40.45.ST
45/45 (pcs)	22.5	22.5	38	38	8.5	8.5		83	7.23.45.45
45/45 (set)	22.5	22.5	38	38	8.5	8.5	4xFK	161	7.23.45.45.ST

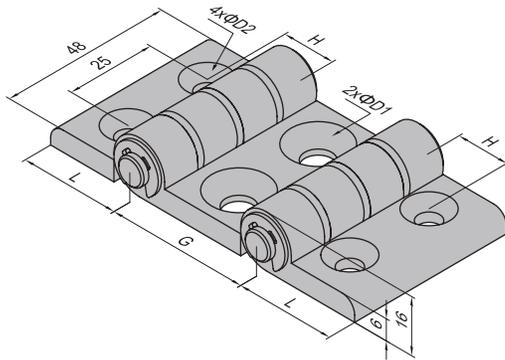
Elementos de Puertas y Ventanas
Door and Window Elements

Bisagra
Hinge

Material y color: Aluminio anodizado gris.



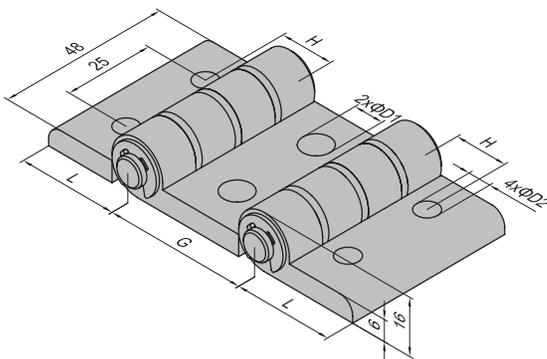
Hinge-Aluminum Countersink Hole



Descripción	G (mm)	H (mm)	L (mm)	D1 (mm)	D2 (mm)	Fastening Set	Masa (g)	Part No.
30/30/30 (pcs)	30	15	28	6.5	6.5		98	7.24.30.30.30
30/30/30 (set)	30	15	28	6.5	6.5	6xFF	140	7.24.30.30.30.ST
30/40/30 (pcs)	40	15	28	8.5	6.5		104	7.24.30.40.30
30/40/30 (set)	40	15	28	8.5	6.5	4xFF+2xFG	166	7.24.30.40.30.ST
30/45/30 (pcs)	45	15	28	8.5	6.5		108	7.24.30.45.30
30/45/30 (set)	45	15	28	8.5	6.5	4xFF+2xFG	170	7.24.30.45.30.ST
40/40/40 (pcs)	40	20	38	8.5	8.5		115	7.24.40.40.40
40/40/40 (set)	40	20	38	8.5	8.5	6xFG	217	7.24.40.40.40.ST
40/45/40 (pcs)	45	20	38	8.5	8.5		119	7.24.40.45.40
40/45/40 (set)	45	20	38	8.5	8.5	6xFG	221	7.24.40.45.40.ST
45/45/45 (pcs)	45	22.5	38	8.5	8.5		119	7.24.45.45.45
45/45/45 (set)	45	22.5	38	8.5	8.5	6xFG	221	7.24.45.45.45.ST

FF	FG	FH	FJ	FK
Fastening Set				

Hinge-Aluminum Through Hole

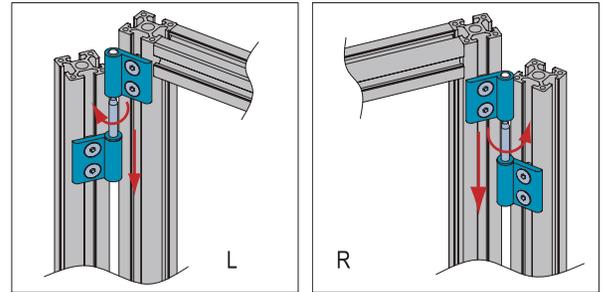


Descripción	G (mm)	H (mm)	L (mm)	D1 (mm)	D2 (mm)	Fastening Set	Masa (g)	Part No.
30/30/30 (pcs)	30	15	28	6.5	6.5		100	7.25.30.30.30
30/30/30 (set)	30	15	28	6.5	6.5	6xFH	142	7.25.30.30.30.ST
30/40/30 (pcs)	40	15	28	8.5	6.5		107	7.25.30.40.30
30/40/30 (set)	40	15	28	8.5	6.5	4xFH+2xFJ	169	7.25.30.40.30.ST
30/45/30 (pcs)	45	15	28	8.5	6.5		111	7.25.30.45.30
30/45/30 (set)	45	15	28	8.5	6.5	4xFH+2xFK	175	7.25.30.45.30.ST
40/40/40 (pcs)	40	20	38	8.5	8.5		121	7.25.40.40.40
40/40/40 (set)	40	20	38	8.5	8.5	6xFJ	213	7.25.40.40.40.ST
40/45/40 (pcs)	45	20	38	8.5	8.5		125	7.25.40.45.40
40/45/40 (set)	45	20	38	8.5	8.5	4xFJ+2xFK	230	7.25.40.45.40.ST
45/45/45 (pcs)	45	22.5	38	8.5	8.5		125	7.25.45.45.45
45/45/45 (set)	45	22.5	38	8.5	8.5	6xFK	245	7.25.45.45.45.ST

Elementos de Puertas y Ventanas
Door and Window Elements

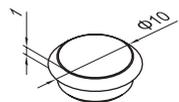
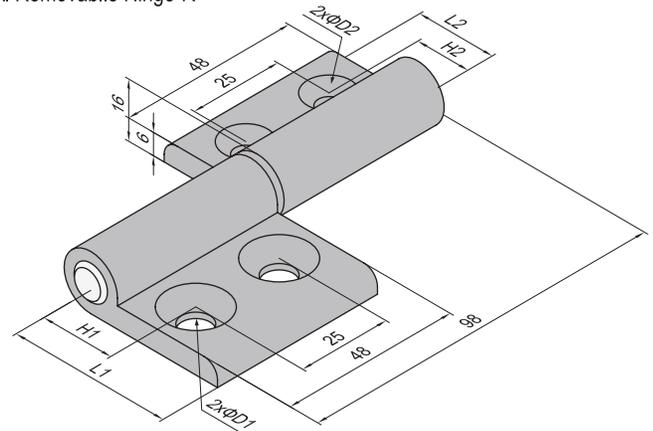
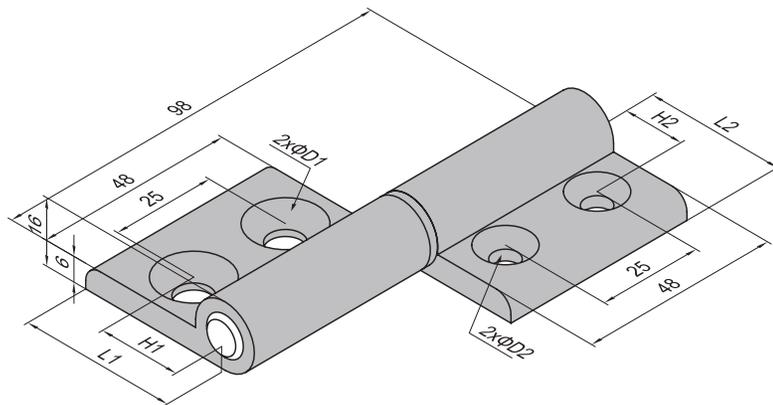
Bisagra
Hinge

Material y color: Aluminio anodizado gris.



Al Removable Hinge-L

Al Removable Hinge-R



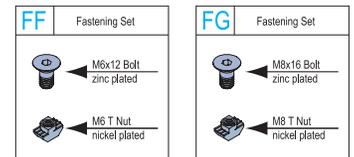
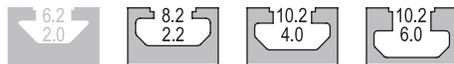
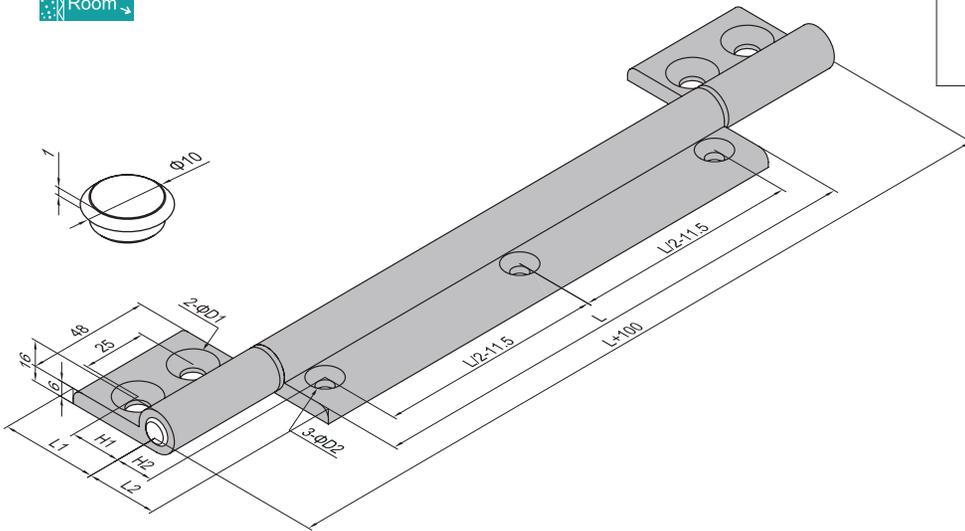
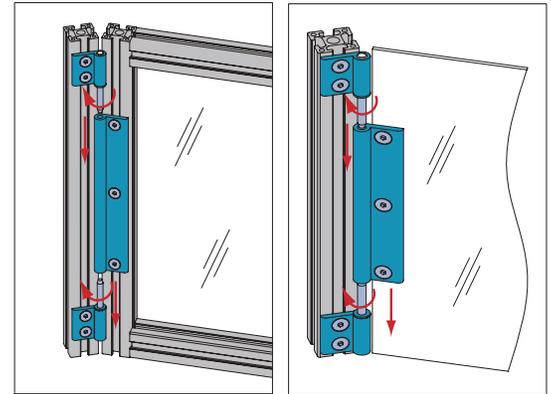
FF	Fastening Set	FG	Fastening Set
	M6x12 Bolt zinc plated		M8x16 Bolt zinc plated
	M6 T Nut nickel plated		M8 T Nut nickel plated

Descripción	H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)	D1 (mm)	D2 (mm)	Fastening Set	Masa (g)	Part No. (L)	Part No. (R)
30/30 (pcs)	15	15	28	28	6.5	6.5		105	7.26.30.30	7.27.30.30
30/30 (set)	15	15	28	28	6.5	6.5	4xFF	133	7.26.30.30.ST	7.27.30.30.ST
30/40 (pcs)	20	15	38	28	8.5	6.5		110	7.26.30.40	7.27.30.40
30/40 (set)	20	15	38	28	8.5	6.5	2xFF+2xFG	158	7.26.30.40.ST	7.27.30.40.ST
30/45 (pcs)	22.5	15	38	28	8.5	6.5		110	7.26.30.45	7.27.30.45
30/45 (set)	22.5	15	38	28	8.5	6.5	2xFF+2xFG	158	7.26.30.45.ST	7.27.30.45.ST
40/40 (pcs)	20	20	38	38	8.5	8.5		118	7.26.40.40	7.27.40.40
40/40 (set)	20	20	38	38	8.5	8.5	4xFG	186	7.26.40.40.ST	7.27.40.40.ST
40/45 (pcs)	22.5	20	38	38	8.5	8.5		118	7.26.40.45	7.27.40.45
40/45 (set)	22.5	20	38	38	8.5	8.5	4xFG	186	7.26.40.45.ST	7.27.40.45.ST
45/45 (pcs)	22.5	22.5	38	38	8.5	8.5		118	7.26.45.45	7.27.45.45
45/45 (set)	22.5	22.5	38	38	8.5	8.5	4xFG	186	7.26.45.45.ST	7.27.45.45.ST

Elementos de Puertas y Ventanas
Door and Window Elements

Bisagra
Hinge

Material y color: Aluminio anodizado gris.



Descripción	H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)	D1 (mm)	D2 (mm)	L (mm)	Fastening Set	Masa (g)	Part No.
30/30 (pcs)	15	15	28	28	6.5	6.5	500		502	7.28.30.30
30/30 (set)	15	15	28	28	6.5	6.5		7×FF	558	7.28.30.30.ST
30/40 (pcs)	20	15	38	28	8.5	6.5			512	7.28.30.40
30/40 (set)	20	15	38	28	8.5	6.5		3×FF+4×FG	604	7.28.30.40.ST
30/45 (pcs)	22.5	15	38	28	8.5	6.5			512	7.28.30.45
30/45 (set)	22.5	15	38	28	8.5	6.5		3×FF+4×FG	604	7.28.30.45.ST
40/40 (pcs)	20	20	38	38	8.5	6.5			587	7.28.40.40
40/40 (set)	20	20	38	38	8.5	6.5		7×FG	706	7.28.40.40.ST
40/45 (pcs)	22.5	20	38	38	8.5	8.5			587	7.28.40.45
40/45 (set)	22.5	20	38	38	8.5	8.5		7×FG	706	7.28.40.45.ST
45/45 (pcs)	22.5	22.5	38	38	8.5	8.5			587	7.28.45.45
45/45 (set)	22.5	22.5	38	38	8.5	8.5		7×FG	706	7.28.45.45.ST

Nota: El largo puede ser personalizado de acuerdo al requerimiento del cliente de 100 ~ 1000mm
Ejemplo: 7.28.30.30 - 500

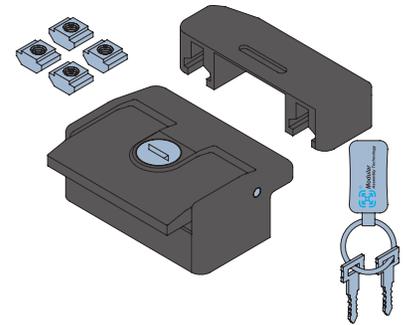
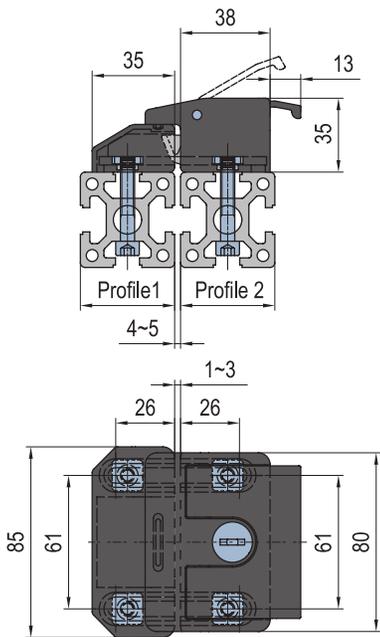
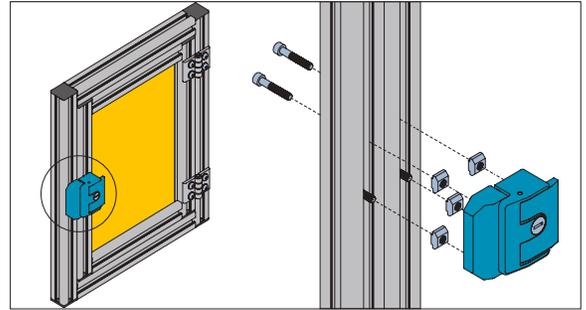


Elementos de Puertas y Ventanas
Door and Window Elements

Cerradura
Lock

Cerradura compacta de metal diseñada para auto trabarse.

Material y color: Fundición de zinc con tratamiento de electrofóresis color negro.



Descripción	Perfil 1	Perfil 2	Fastening Set	Masa (g)	Part No.
Lock-3030	PG30	PG30	4x(M6x30)	719	7.31.30.30
Lock-4030	PG40	PG30	2x(M6x30) 2x(M6x40)	724	7.31.40.30
Lock-4040	PG40	PG40	4x(M6x40)	728	7.31.40.40
Lock-4530	PG45	PG30	2x(M6x30) 2x(M6x45)	726	7.31.45.30
Lock-4540	PG45	PG40	2x(M6x40) 2x(M6x45)	731	7.31.45.40
Lock-4545	PG45	PG45	4x(M6x45)	733	7.31.45.45

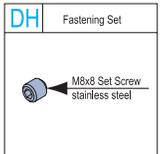
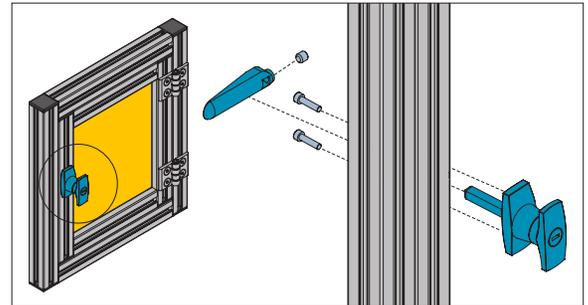
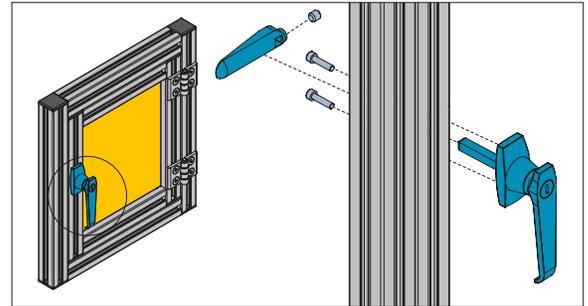
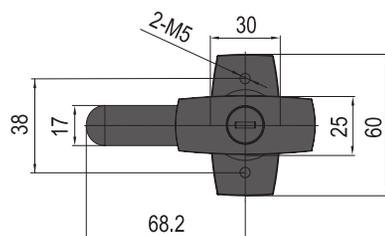
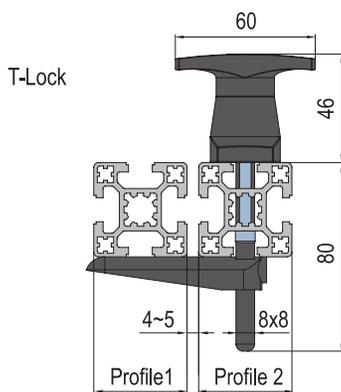
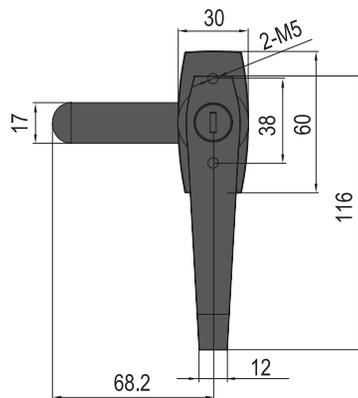
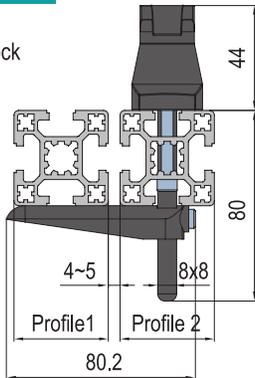
Elementos de Puertas y Ventanas
Door and Window Elements

Cerradura
Lock

Material y color: Fundición de zinc cromado y pulido superficial.



L-Lock



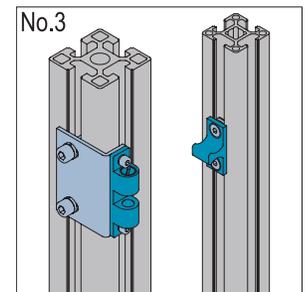
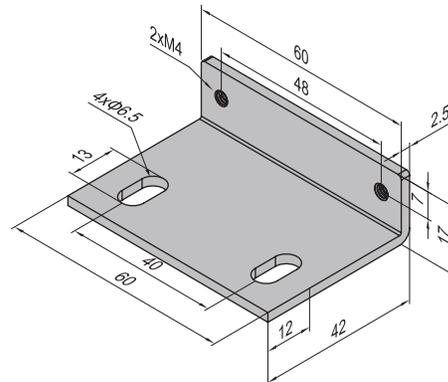
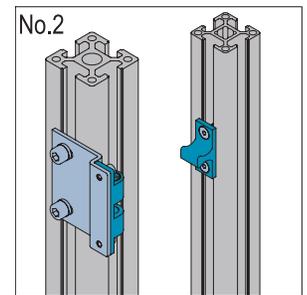
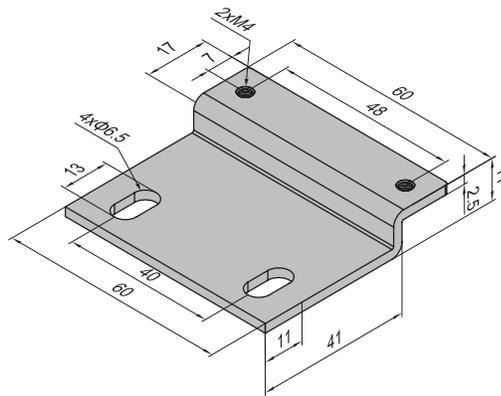
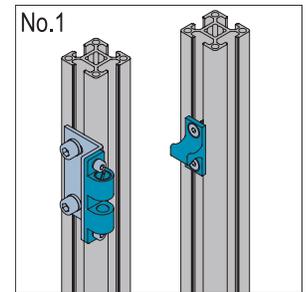
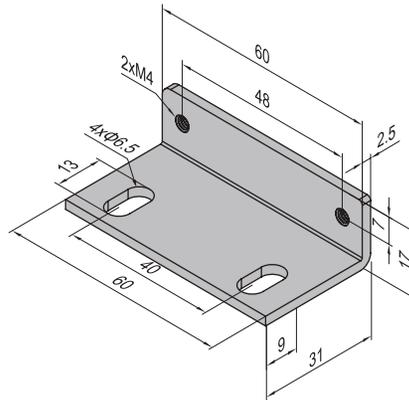
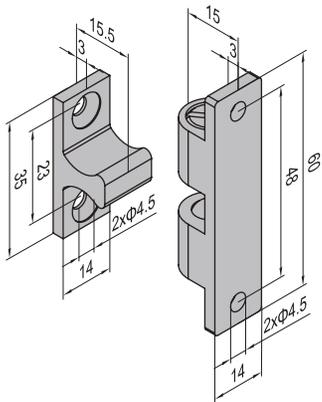
Descripción	Perfil 1	Perfil 2	Fastening Set	Masa (g)	Part No.
L-Lock-3030	PG30	PG30	DH+2x(M5x25)	290	7.32.30.30
L-Lock-4030	PG40	PG30			7.32.40.30
L-Lock-4530	PG40	PG40			7.32.45.30
L-Lock-4040	PG40	PG40	DH+2x(M5x35)	294	7.32.40.40
L-Lock-4540	PG45	PG40			7.32.45.40
L-Lock-4545	PG45	PG45	DH+2x(M5x40)	296	7.32.45.45
T-Lock-3030	PG30	PG30	DH+2x(M5x25)	270	7.33.30.30
T-Lock-4030	PG40	PG30			7.33.40.30
T-Lock-4530	PG40	PG40			7.33.45.30
T-Lock-4040	PG40	PG40	DH+2x(M5x35)	274	7.33.40.40
T-Lock-4540	PG45	PG40			7.33.45.40
T-Lock-4545	PG45	PG45	DH+2x(M5x40)	276	7.33.45.45

Elementos de Puertas y Ventanas

Door and Window Elements

 Cierre Magnético
 Magnet Catch

Material: Cierre-aleación de aluminio / conectores-acero al carbono zincado.



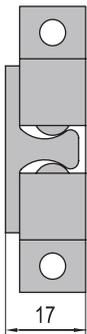
CF	Fastening Set	CH	Fastening Set	CJ	Fastening Set	CK	Fastening Set	CN	Fastening Set
	M4x10 Bolt zinc plated		M4x6 Bolt zinc plated		M6x10 Bolt zinc plated		M6x14 Bolt zinc plated		M6x16 Bolt zinc plated
	M4 T Nut nickel plated		M4 Spring Washer zinc plated		M6 Spring Washer zinc plated		M6 Spring Washer zinc plated		M6 Spring Washer zinc plated
					M6 T Nut nickel plated		M6 T Nut nickel plated		

Descripción	Fastening Set	Masa (g)	Part No.
Magnet Catch-14 (pcs)		26	7.41.14
Magnet Catch-14 (Profile 3030 for Door, Profile 3030 for Doorframe set No.1)	2xCF+2xCH+2xCJ	130	7.41.14.3030.ST
Magnet Catch-14 (Profile 3030 for Door, Profile 4040 for Doorframe set No.2)	2xCF+2xCH+2xCK	139	7.41.14.3040.ST
Magnet Catch-14 (Profile 3030 for Door, Profile 4545 for Doorframe set No.3)	2xCF+2xCH+2xCN	145	7.41.14.3045.ST

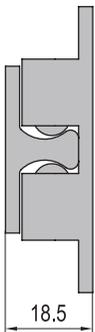
Elementos de Puertas y Ventanas
Door and Window Elements

Cierre Magnético
Magnet Catch

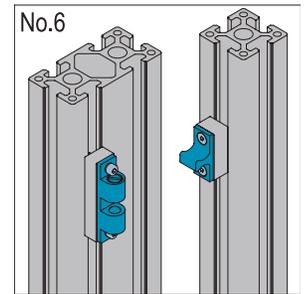
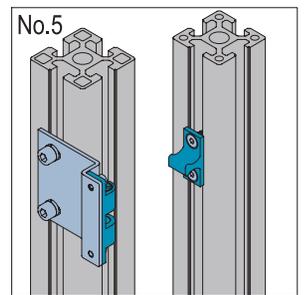
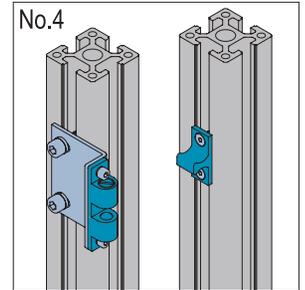
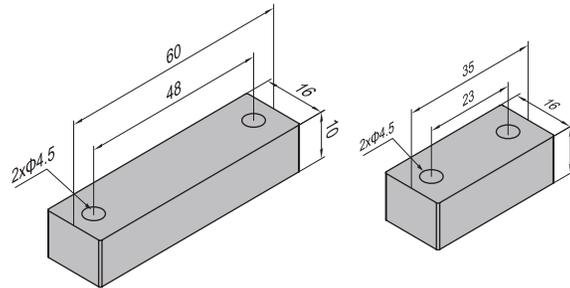
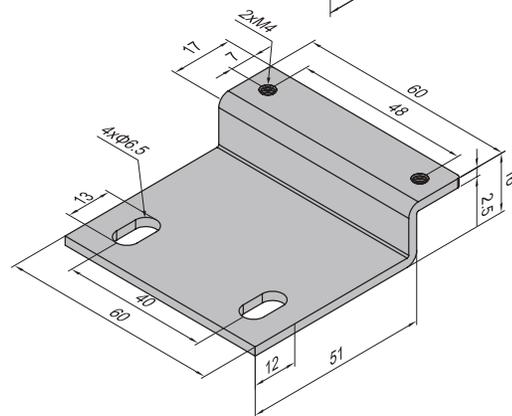
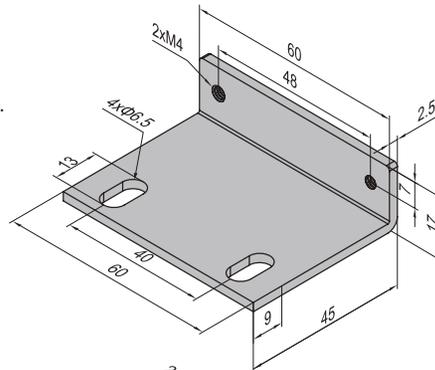
Material: Cierre-aleación de aluminio / conectores-acero al carbono zincado.



Tighten Status 1



Tighten Status 2



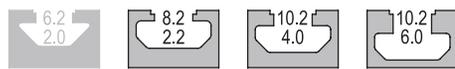
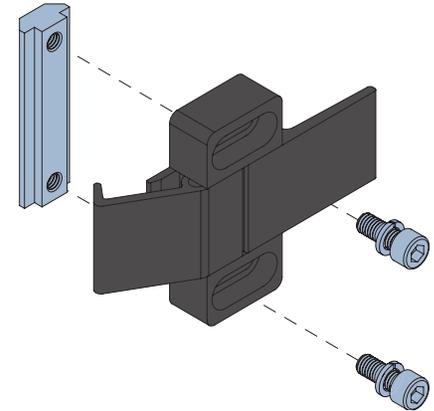
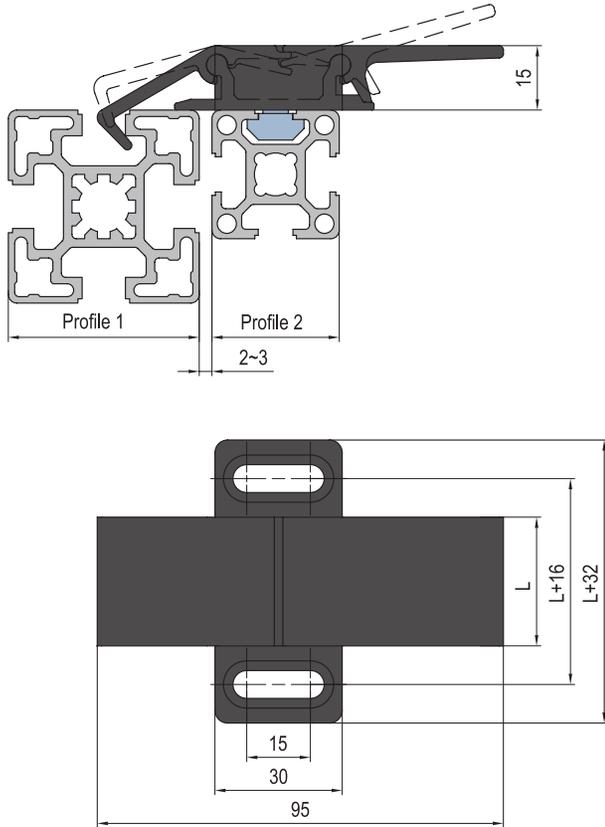
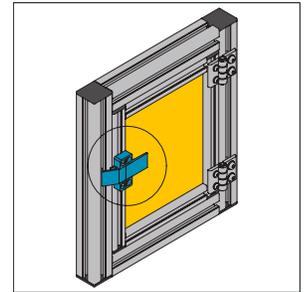
CG Fastening Set M4x14 Bolt zinc plated M4 T Nut nickel plated	CH Fastening Set M4x6 Bolt zinc plated M4 Spring Washer zinc plated	CK Fastening Set M6x14 Bolt zinc plated M6 Spring Washer zinc plated M6 T Nut nickel plated	CL Fastening Set M4x25 Bolt zinc plated M4 Spring Washer zinc plated M4 T Nut nickel plated	CM Fastening Set M4x25 Bolt zinc plated M4 T Nut nickel plated	CN Fastening Set M6x16 Bolt zinc plated M6 Spring Washer zinc plated M6 T Nut nickel plated
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Descripción	Fastening Set	Masa (g)	Part No.
Magnet Catch-14 (Profile 4040 for Door, Profile 4040 for Doorframe set No.4)	2xCG+2xCH+2xCK	147	7.41.14.4040.ST
Magnet Catch-14 (Profile 4040 for Door, Profile 4545 for Doorframe set No.5)	2xCG+2xCH+2xCN	151	7.41.14.4045.ST
Magnet Catch-14 (Profile 4040 for Door, Profile 4080 for Doorframe set No.6)	2xCL+2xCM	255	7.41.14.4080.ST
Magnet Catch-14 (Profile 4545 for Door, Profile 4545 for Doorframe set No.4)	2xCG+2xCH+2xCK	151	7.41.14.4545.ST

Elementos de Puertas y Ventanas
Door and Window Elements

Cerradura de Puerta
Door Lock

Material y color: Fundición de zinc con tratamiento de electroforesis color negro.



CU	Fastening Set	CV	Fastening Set
	M6x16 Bolt zinc plated		M6x20 Bolt zinc plated
	M6 Spring Washer zinc plated		M6 Spring Washer zinc plated

Descripción	Perfil 1	Perfil 2	L (mm)	Fastening Set	Masa (g)	Part No.
Door locks-3040	PG40	PG30	30	2xCU	115	7.42.30.3040
Door locks-3045	PG45	PG30	30	2xCU	115	7.42.30.3045
Door locks-4040	PG40	PG40	30	2xCU	115	7.42.30.4040
Door locks-4045	PG45	PG40	50	2xCU	115	7.42.30.4045
Door locks-4545	PG45	PG45	50	2xCV	120	7.42.30.4545

Nota: El largo puede ser personalizado de acuerdo al requerimiento del cliente de 30 ~ 80mm

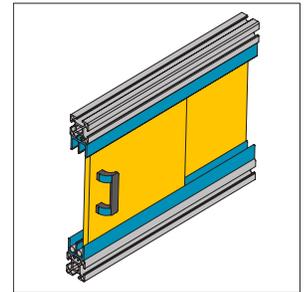
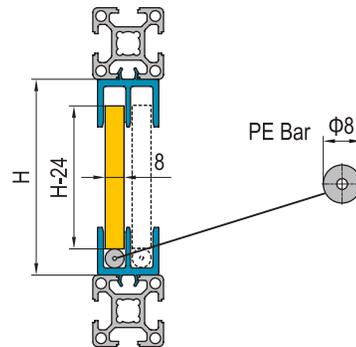
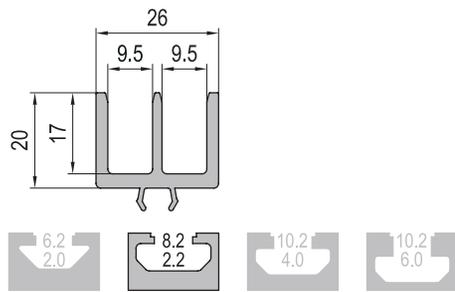
Elementos de Puertas y Ventanas
Door and Window Elements

Perfil de Puerta Corrediza
Sliding Door Profile

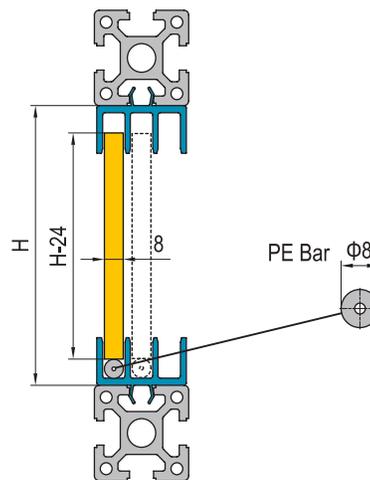
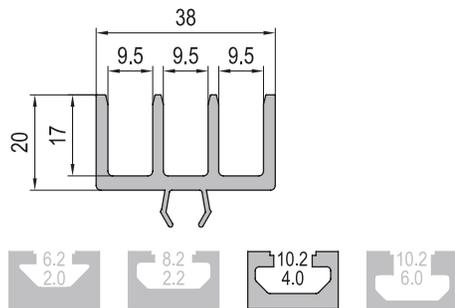
El Perfil de Puerta Corrediza encaja en la ranura T del perfil de aluminio y es apto para puertas corredizas livianas.

Material y color: PVC gris

Sliding door profile-8



Sliding door profile-10-4



Descripción	Masa (g/m)	Largo	Part No.
Sliding Door Profile-8	330	3000mm/bar	7.51.08
Sliding Door Profile-8 (Including PE bar)	390	3000mm/bar	7.51.08.ST
Sliding Door Profile-10-4	450	3000mm/bar	7.51.10.04
Sliding Door Profile-10-4 (Including PE bar)	510	3000mm/bar	7.51.10.04.02.ST
Sliding Door Profile-10-4 (Including PE bar)	540	3000mm/bar	7.51.10.04.03.ST



8.11-8.61

Gancho de Suspensión
Suspended Glider

Platina de Ángulo Giratorio
Swivel Angle Plate

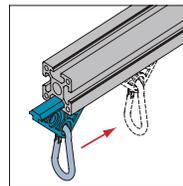
Unión 0-180°
Joint 0-180°

Unión para Bastidores
Frame Joint

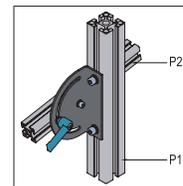
Adaptador p/Montaje de Rodillo
Mounting Adaptor for Roller

8

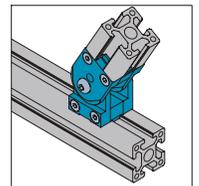
Accesorios Adicionales *Additional Accessories*



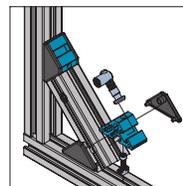
8.11.01



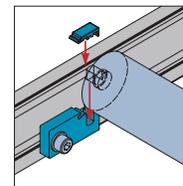
8.21.01



8.31.01



8.41.01



8.51.01



8.61.01

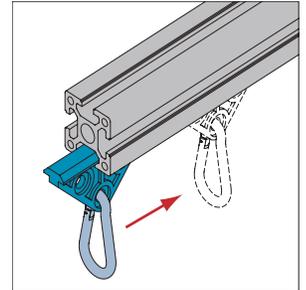
Accesorios Adicionales

Additional Accesories

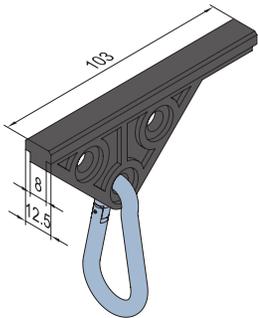
Gancho de Suspensión
Suspended Glider

El Gancho de Suspensión se encaja en el perfil de ranura T y se utiliza para colgar herramientas y demás accesorios.

Material y color: Soporte-PA6 negro / gancho-acero al carbono zincado.

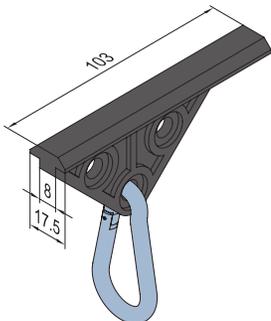


Suspended Glider-8



Descripción	Carga Estática Máx. (N)	Masa (g)	Part No.
Suspended Glider-8	200	48	8.11.08

Suspended Glider -10



Descripción	Carga Estática Máx. (N)	Masa (g)	Part No.
Suspended Glider-10	200	48	8.11.10

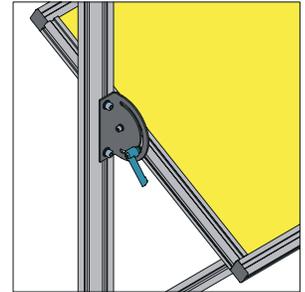
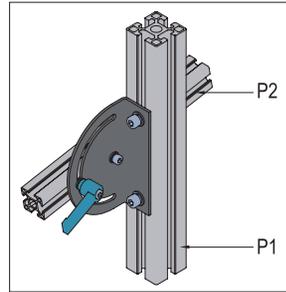
Accesorios Adicionales

Additional Accesories

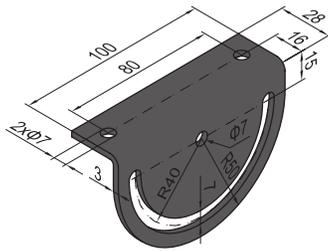
Platina de Ángulo Giratorio
Swivel Angle Plate

La Platina de Ángulo Giratorio permite ajustar la inclinación del perfil conectado a ella.

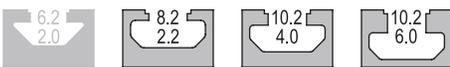
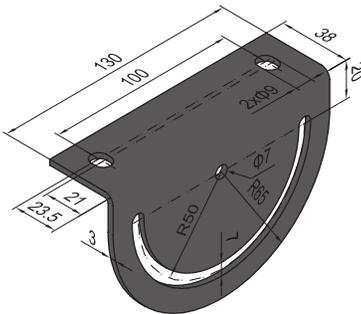
Material y color: acero al carbono con tratamiento de electroforesis color negro



Swivel Angle Plate-PG30



Swivel Angle Plate-PG40/45



FR	FT	FV	FW	R
Fastening Set	Fastening Set	Fastening Set	Fastening Set	Fastening Set
M6x12 Adjustable Handle Elastic coated, black	M6x12 Bolt zinc plated	M6x16 Bolt zinc plated	M6x16 Bolt zinc plated	M6x12 Bolt zinc plated
M6 Washer zinc plated	M6 Washer zinc plated	M6 Washer zinc plated	M6 Washer zinc plated	M6 Washer zinc plated
M6 Pre-set Nut nickel plated	M6 Pre-set Nut nickel plated	M6 T Nut nickel plated	M6 Pre-set Nut nickel plated	M6 T Nut nickel plated

Descripción	P1	P2	Fastening Set	Masa (g)	Part No.
Swivel Angle Plate-PG30 (pcs)				160	8.21.30
Swivel Angle Plate-PG30 (set)	PG30	PG30	1xFR+1xFT+2xR	270	8.21.30.ST
Swivel Angle Plate-PG40/45 (pcs)				288	8.21.40
Swivel Angle Plate-PG40/45-PG30 (set)	PG40/45	PG30	1xFR+1xFT+2xFV	420	8.21.40.30.ST
Swivel Angle Plate-PG40/45-PG40/45 (set)	PG40/45	PG40/45	1xFR+2xFV+1xFW	443	8.21.40.40.ST

Accesorios Adicionales
Additional Accesories

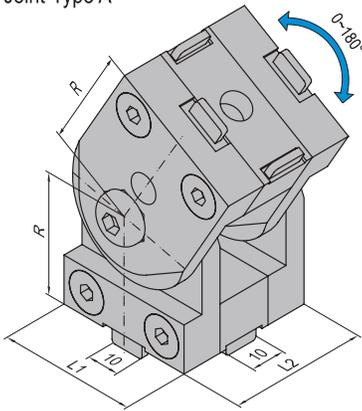
Unión 0-180°
Joint 0-180°

Se utiliza para conectar perfiles que requieren movimiento.

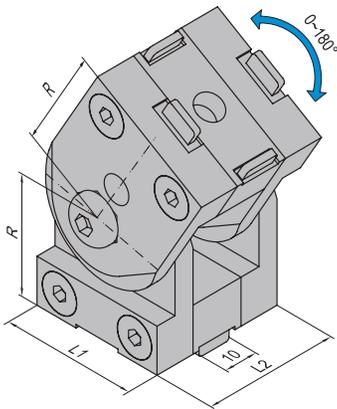
Material y color: Acero al carbono zincado.



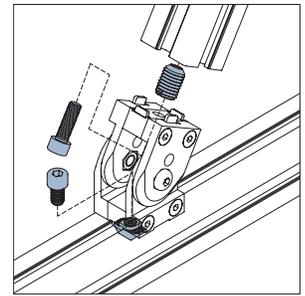
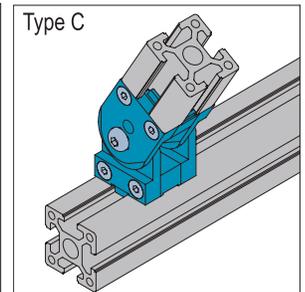
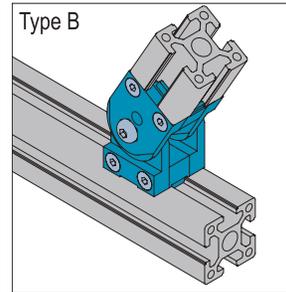
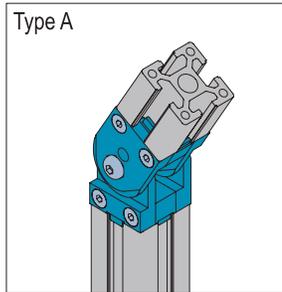
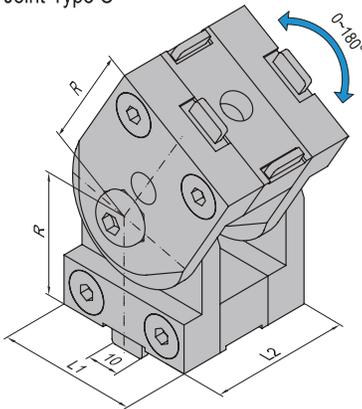
Joint-Type A



Joint-Type B



Joint-Type C



FD	Fastening Set	FX	Fastening Set
	M8x16 Bolt zinc plated		M8x20 Bolt zinc plated
	M8 T Nut nickel plated		M14—M8 Hole Reducer Bolt nickel plated

Descripción	L1 (mm)	L2 (mm)	R (mm)	Fastening Set	Masa (g)	Part No.
Joint-Type A-4040	40	40	35	2xFX	560	8.31.4040A
Joint-Type A-4060	40	60	35	2xFX	680	8.31.4060A
Joint-Type A-4545	45	45	37.5	2xFX	650	8.31.4545A
Joint-Type A-4560	45	60	37.5	2xFX	800	8.31.4560A
Joint-Type B-4040	40	40	35	1xFD+1xFX	575	8.31.4040B
Joint-Type B-4060	40	60	35	1xFD+1xFX	695	8.31.4060B
Joint-Type B-4545	45	45	37.5	1xFD+1xFX	665	8.31.4545B
Joint-Type B-4560	45	60	37.5	1xFD+1xFX	815	8.31.4560B
Joint-Type C-4040	40	40	35	1xFD+1xFX	575	8.31.4040C
Joint-Type C-4060	40	60	35	1xFD+1xFX	695	8.31.4060C
Joint-Type C-4545	45	45	37.5	1xFD+1xFX	665	8.31.4545C
Joint-Type C-4560	45	60	37.5	1xFD+1xFX	815	8.31.4560C

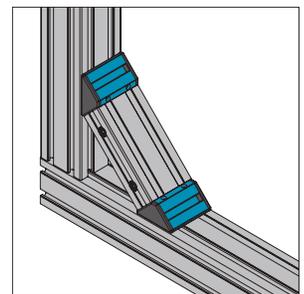
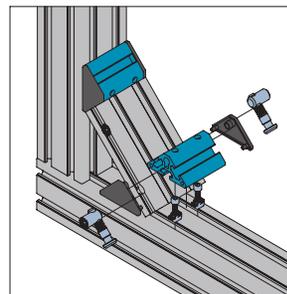
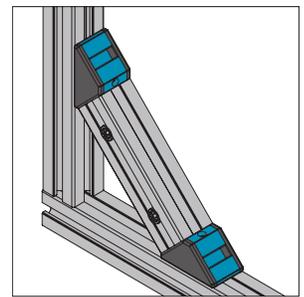
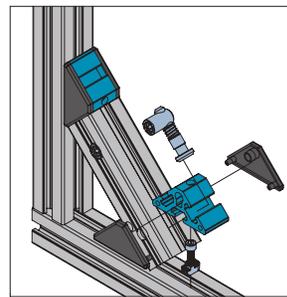
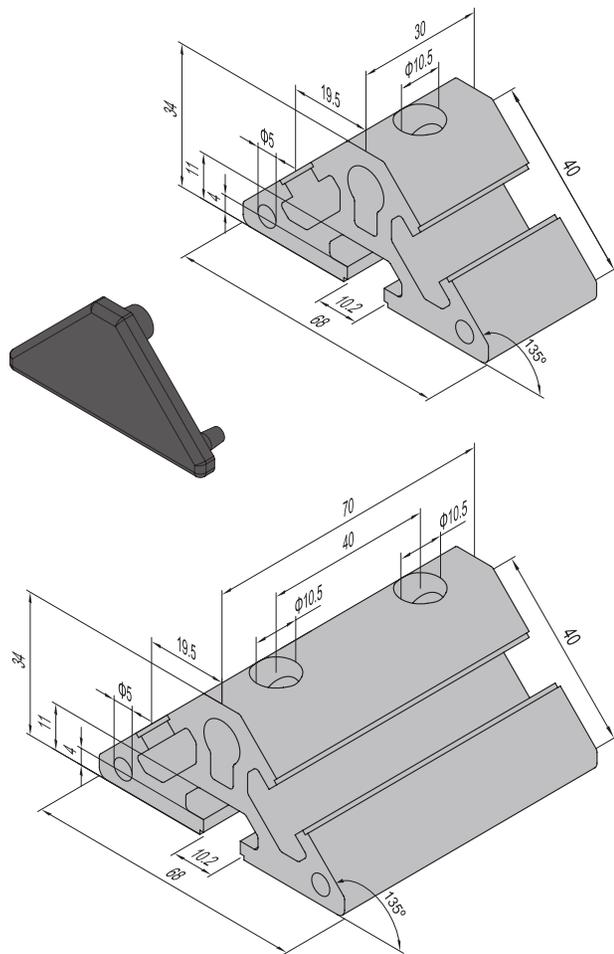
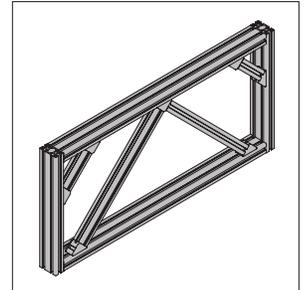
Accesorios Adicionales

Additional Accesories

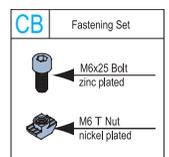
Unión para Bastidores
Frame Joint

La Unión para Bastidores se utiliza para dar rigidez a bastidores de aluminio utilizados en la construcción de máquinas.

Material: Perfil-aluminio / tapa-ABS negro.



Descripción	Fastening Set	Tapa	Masa (g)	Part No.
PG40-4040 (set)	1xCB	2	95	8.41.4040
PG40-4080 (set)	2xCB	2	192	8.41.4080



Accesorios Adicionales

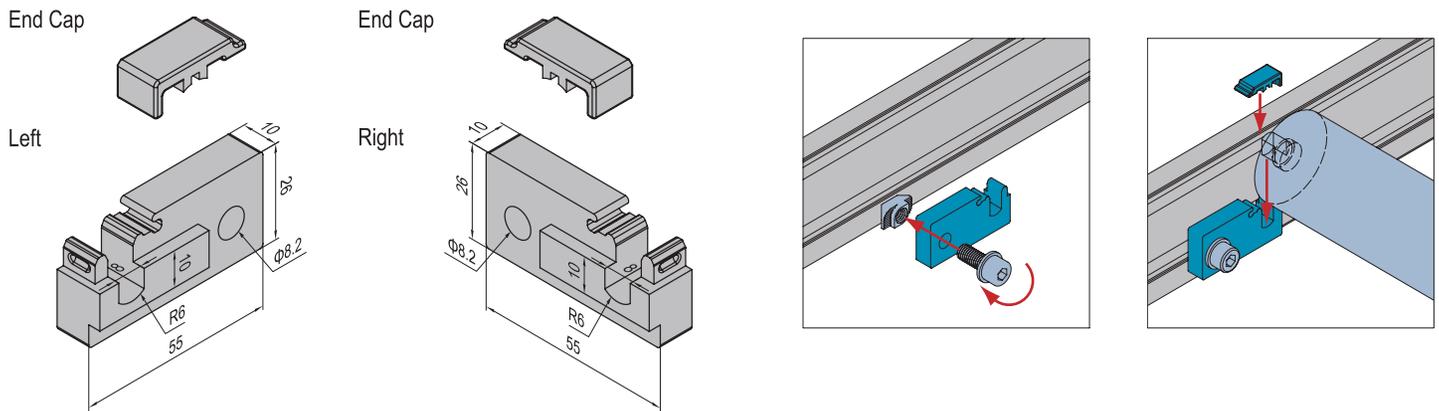
Additional Accesories

Adaptador para Montaje de Rodillos
Mounting Adaptor for Roller

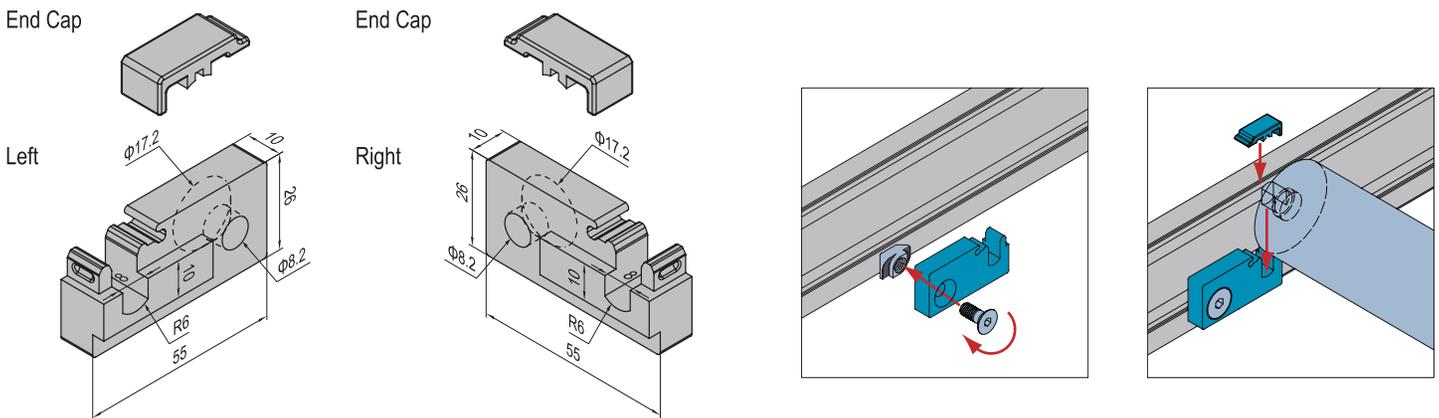
El Adaptador para Montaje de Rodillos permite la instalación rápida y sencilla de rodillos sin necesidad de desmontar la estructura.

Material y color: Adaptador-fundición de hierro zincada / tapa-PA6 negro.

Mounting Adaptor for Roller-A

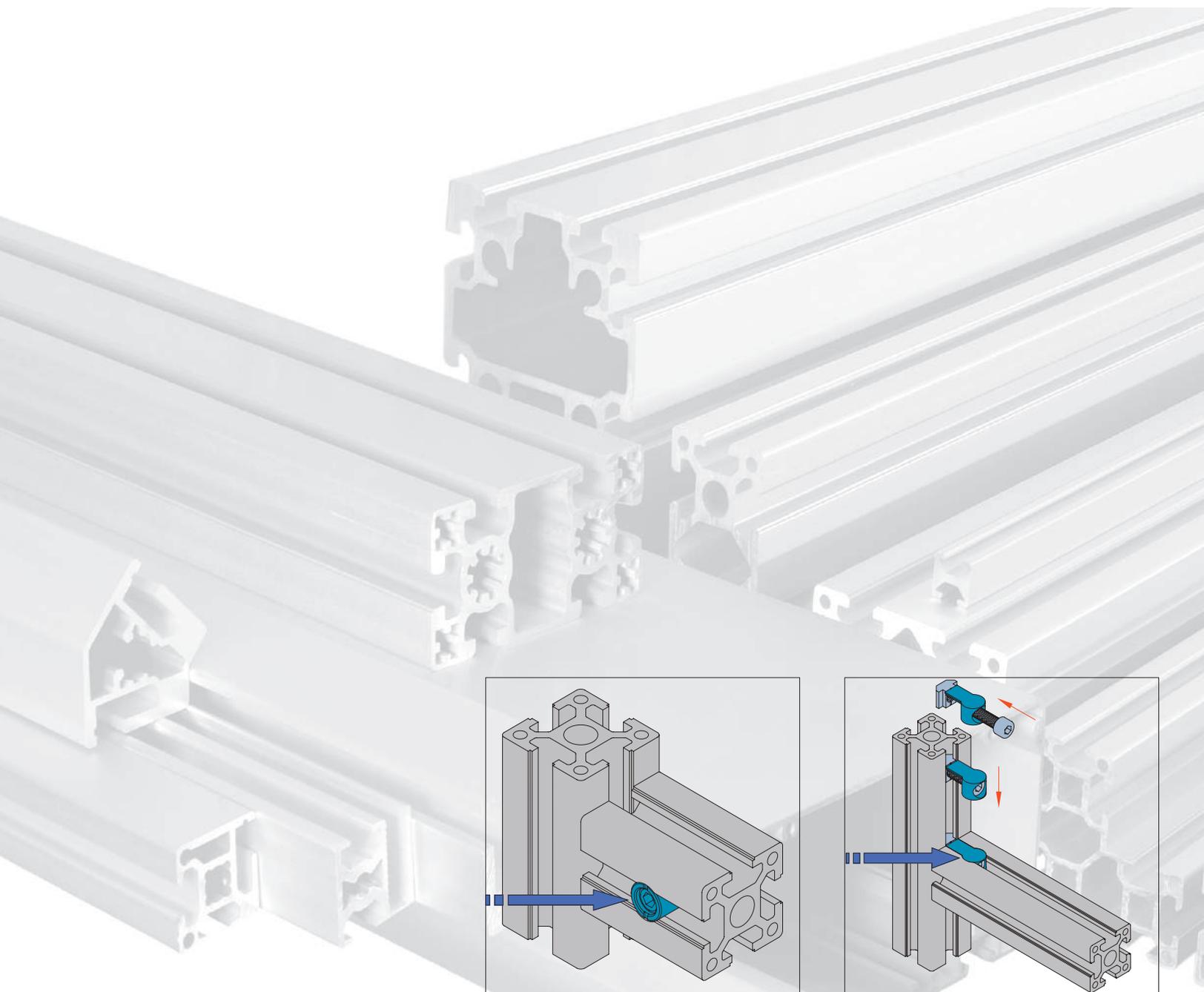


Mounting Adaptor for Roller-B



Descripción	Fastening Set	Tapa	Masa (g)	Part No.
Mounting Adaptor for Roller-A-Left+Right (pcs)		2	200	8.51.01A
Mounting Adaptor for Roller-A-Left+Right (set)	2xD	2	242	8.51.01A.ST
Mounting Adaptor for Roller-B-Left+Right (pcs)		2	194	8.51.01B
Mounting Adaptor for Roller-B-Left+Right (set)	2xFQ	2	226	8.51.01B.ST

D	Fastening Set	FQ	Fastening Set
	M8x20 Bolt zinc plated		M8x20 Bolt zinc plated
	M8 Washer zinc plated		M8 Washer zinc plated
	M8 T Nut nickel plated		M8 T Nut nickel plated

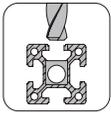
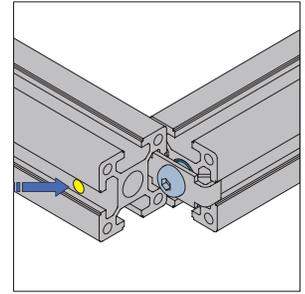
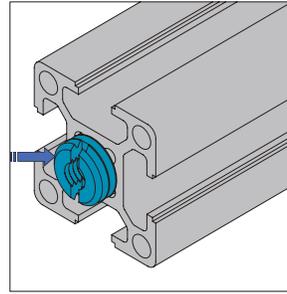
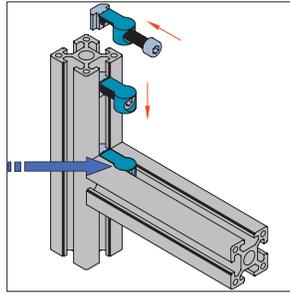
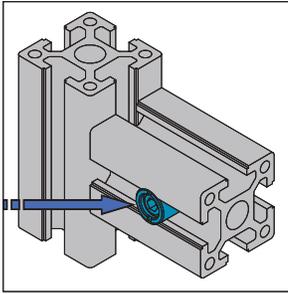


Código de Maquinado de Perfiles
Profile Machining Code

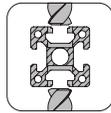
Código de Maquinado de Perfiles

Profile Machining Code

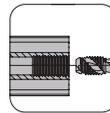
Bore Sort



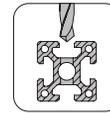
Dowel bore



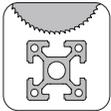
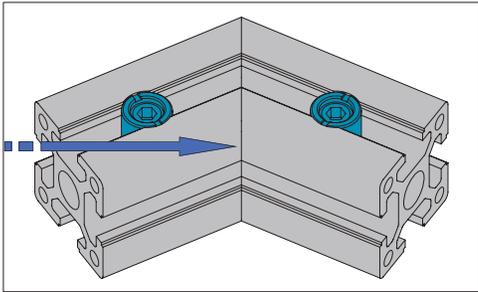
Inner connect bore



Screw thread bore



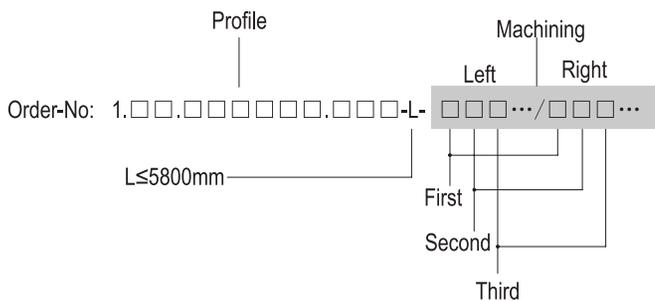
Cross bore



Angle Cut

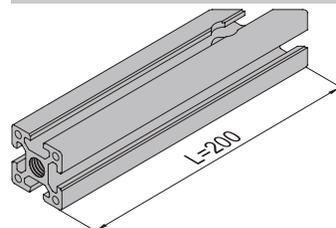
Machining name	Applicability
Dowel bore	Anchor Connector
Inner connect bore	Butt Connector
Screw thread bore	Screw Connector
Cross bore	Screw Connector/End Connector
Angle cut T	Anchor Connector

Code meanings		
First	Second	third
L (left) R (right)	D (Dowel bore)	H (horizontal) V (vertical) P (h+v)
	I (Inner connect bore)	
	S (Screw thread bore)	
	C (Cross bore)	
	(A B C D)T (Angle cut)	30 45 60 (angle)



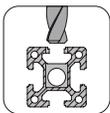
Order Example:

1.11.40.040040.04H-200-LSP/RBT45-RDV

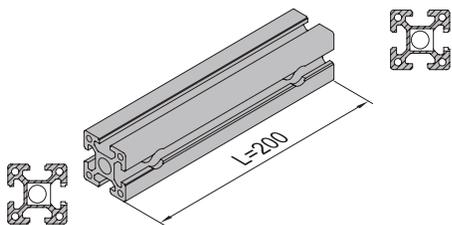


Dowel Bore

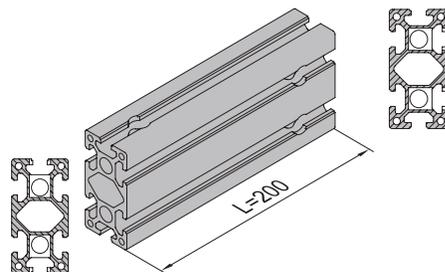
Alterations		Dowel bore			
		Left		Right	
		Horizontal	Vertical	Horizontal	Vertical
Code		LDH	LDV	RDH	RDV
Square					
			—		—
Rectangle			—		—
Arc					
			—		—



Example A: 1. 11. 40.040040.04H-200-LDH/RDH

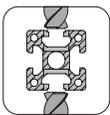


Example B: 1. 11. 40.040080.08H-200-LDV/RDH

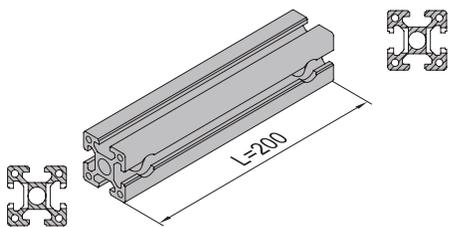


Inner Connect Bore

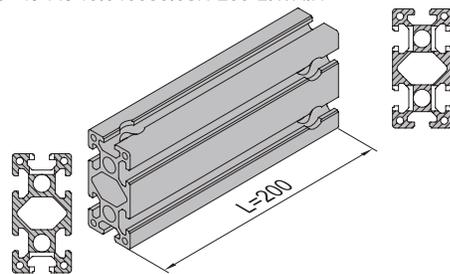
Alterations		Inner connect bore			
		Left		Right	
		Horizontal	Vertical	Horizontal	Vertical
Code		LIH	LIV	RIH	RIV
Square					
		—		—	
			—		—
Rectangle					
Arc					
			—		—



Example A: 1. 11. 40.040040.04H-200-LIH/RIH

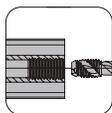


Example B: 1. 11. 40.040080.08H-200-LIV/RIH

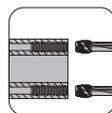


Screw Thread Bore

Alterations		Screw thread bore					
		Left		Right		Left+ Right	
Code		LSP	LMP	RSP	RMP	WSP	WMP
Square							
Rectangle							
Arc							



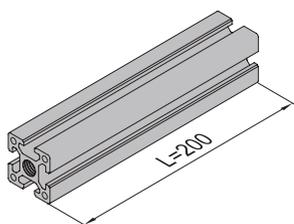
Standard:depth=22mm



Standard:depth=22mm

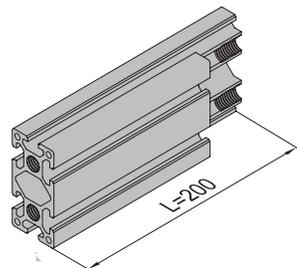
Example A:

1. 11. 40.040040.04H-200-LSP



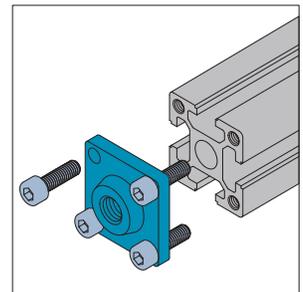
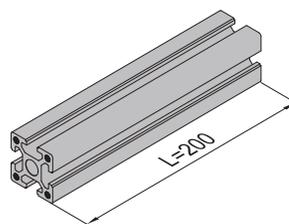
Example B :

1. 11. 40.040080.08H-200-WSP



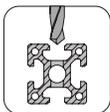
Example C :

1.11.40.040040.04H-200-LMP



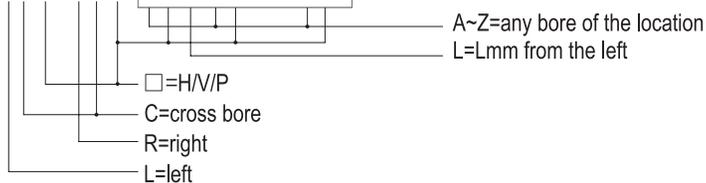
Cross Bore

Alterations		Cross bore					
		Left			Right		
Code	Image	Horizontal	Vertical	H+V	Horizontal	Vertical	H+V
		LCH	LCV	LCP	RCH	RCV	RCP
Square							
Rectangle							

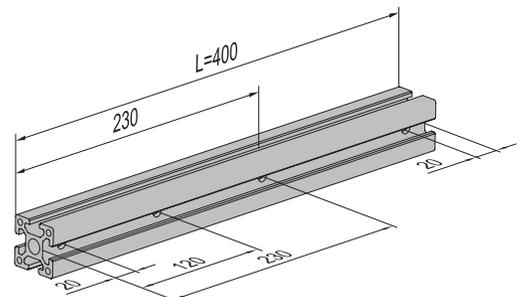


Specified crossing bore code

LC□/RC□-A□L-B□L-...Z□L

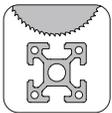


Example: 1. 11. 40.040040.04H-400-LCH/RCH-AH120-BP230



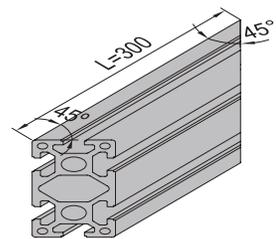
Angle Cut

Alterations		Angle cut	
		Left	Right
Code		LCT(LAT,LBT,LDT)	RCT(RAT,RBT,RDT)
Square			
Rectangle			

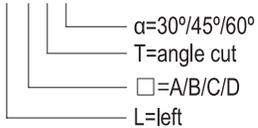


Specified cutting angle code

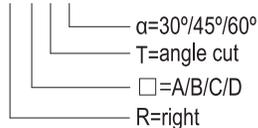
Example: 1. 11. 40. 040060.06H-300-LDT45/RDT45



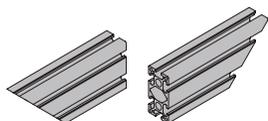
L□Tα:



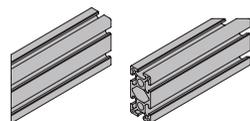
R□Tα:



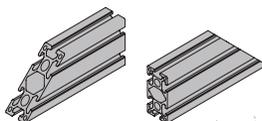
□=A向



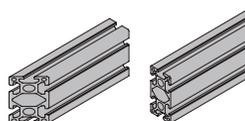
□=B向



□=C向



□=D向





Sistema de Ensamble Modular
Modular Assembly System

MAS



Sistema de Transportadores Modulares
Modular Conveyor System

MCS



Sistema de Plataformas y Escaleras
Stair and Platform System

SPS



Sistema de Cerramientos de Seguridad
Machine Guard System

MGS



Sistema de Estructuras Tubulares
Tubular Framing System

TFS



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Modular Assembly System