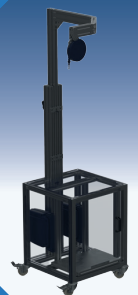
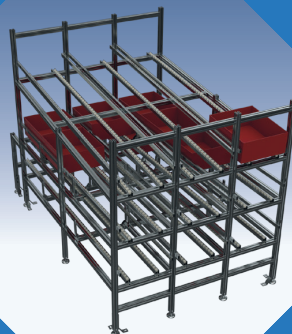
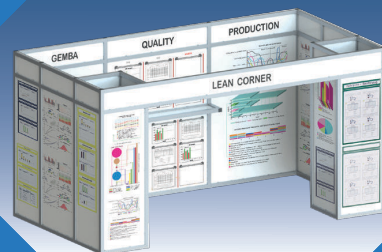
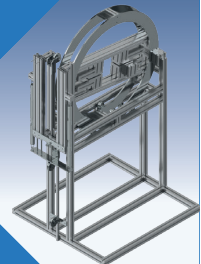
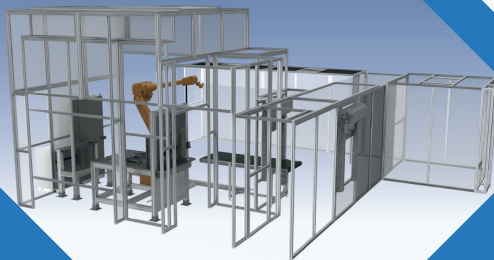
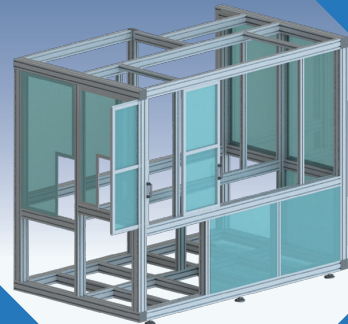
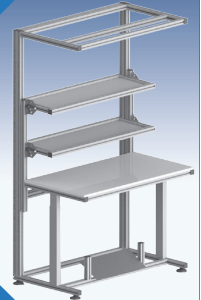


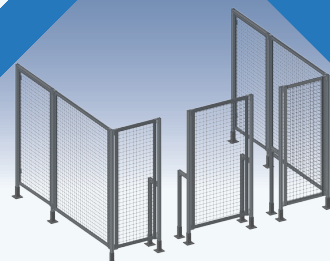
FASTEN SISTEMAS

COMPONENTES PARA MOBILIARIO
Y EQUIPAMIENTOS INDUSTRIALES

COMPONENTS FOR INDUSTRIAL
FURNITURE AND EQUIPMENT



CATÁLOGO
CATALOGUE **V.21**



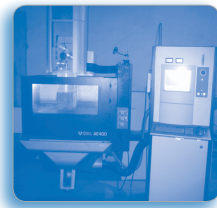
FASTEN S I S T E M A S

Fedra, 12 • 47195 Arroyo de la Encomienda Valladolid España
T: (34) 983 54 70 17 - F: (34) 983 54 70 96 - e-mail: comercial@fasten.es

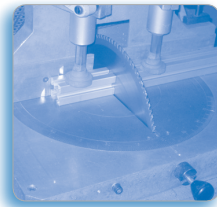


Fasten Sistemas offers a wide range of joining and fastening components, assembly and positioning accessories, plastic and aluminium profiles, especially designed for mechanical engineering. Some of the most usual applications are:

Machine frames, machine enclosures, machine guarding, work stations, roller and belt conveyors, assembly and inspection lines, transfer and supply trolleys, partition and protective walls, protective and work cabins, special shelves, display racks, exhibitors,...

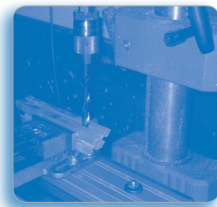


The system is a cost-effective and flexible solution, allowing assembly to come closer to designing and avoiding problems concerning part preparation for welding, deformation, weld cleaning, stabilization of bedplates, painting and other mechanical work. Flexibility offered by this system makes possible the modification at any time of the finished structured, adding or removing components without the use of welding machines, saws or other tools which are difficult to use once the structure has been built.



Custom made parts

We provide design service to meet our customers specific application demands. Apart from our standard catalogue we develop custom made parts being a reliable partner in the industry that requires fast and competitive solutions to customers' problems. Our custom made part process includes product development and design (CAD 2D - 3D), construction and documentation, tool making, sample delivery and finalise into part production. Short and large production series are all welcome.



Cut down service

We also provide our customers a Cut Down service to satisfy specific length requirements. Bar ends are burr-free and do not need to be reworked. We are able to provide cuts ranging from 0 to 90 degrees.

Other operations

Profile processing for each connector or joint is also provided. The position of the bores and threads must be specified when ordering.

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Fasten Sistemas ofrece un completo sistema de elementos de fijación y unión, accesorios de montaje y posicionamiento, perfiles plásticos y de aluminio, especialmente diseñados para el desarrollo de proyectos de ingeniería mecánica.

Algunas de las aplicaciones más comunes de este sistema son:

Bastidores de máquinas, cerramientos de máquinas, protecciones de máquinas, estaciones de trabajo, transportadores de banda y de rodillos, líneas de ensamblaje e inspección, carros de suministro y traslado, paredes divisorias y de protección, cabinas protectoras, estanterías especiales, sistemas de demostración, expositores,...

Este sistema constituye un importante avance en términos de ahorro económico y de tiempo permitiendo acercar el montaje a la fase de diseño y evitando problemas relacionados con la preparación de partes para soldar, las deformaciones, el esmerilado de la soldadura, la estabilización de las bases y otros trabajos mecánicos y de pintado posteriores. Mediante la combinación de perfiles con sus diferentes elementos de unión y fijación pueden construirse todo tipo de estructuras e instalaciones industriales. La flexibilidad y modularidad que ofrece este sistema hace que las estructuras creadas puedan ser modificadas en cualquier momento añadiendo o eliminando elementos de las mismas sin utilizar soldadura, sierra u otros útiles cuya utilización resultaría complicada una vez terminada la estructura.

Piezas especiales

Además de nuestro catálogo de componentes estándar, desarrollamos un completo programa de fabricación de piezas a medida siendo un proveedor solvente en una industria que requiere cada vez más la búsqueda de soluciones competitivas y a medida.

Este servicio tiene como objetivo satisfacer sus necesidades para aplicaciones específicas e incluye el desarrollo y diseño (CAD 2D – 3D), construcción y documentación, envío de muestras y finaliza con la producción en serie.

Corte a medida

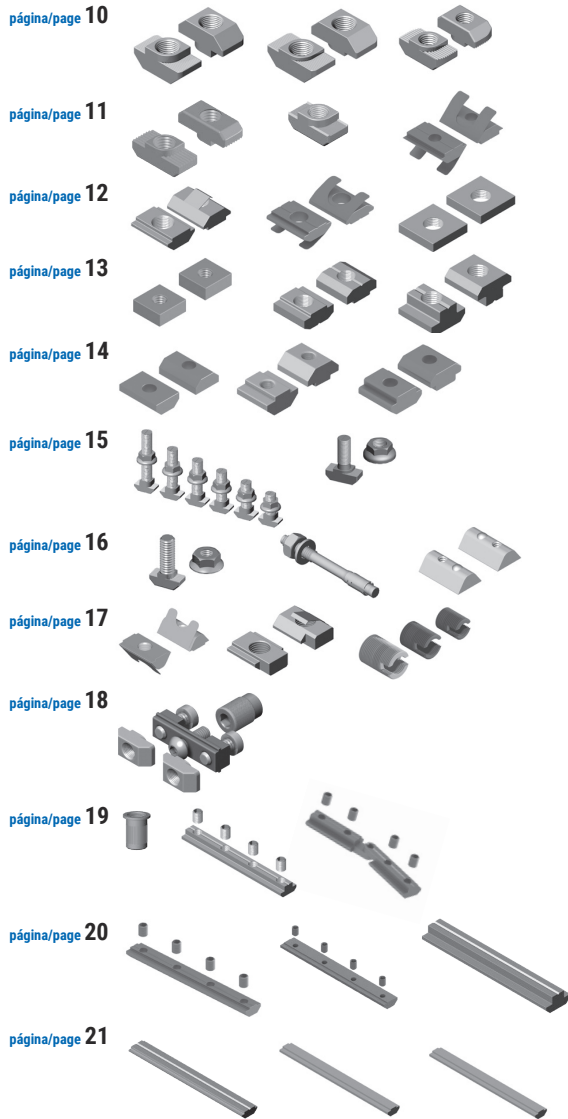
Ofrecemos a nuestros clientes la posibilidad de recibir sus pedidos de perfiles cortados a medida, con ángulos de corte de 0 a 90 grados y libres de rebaba.

Mecanizado

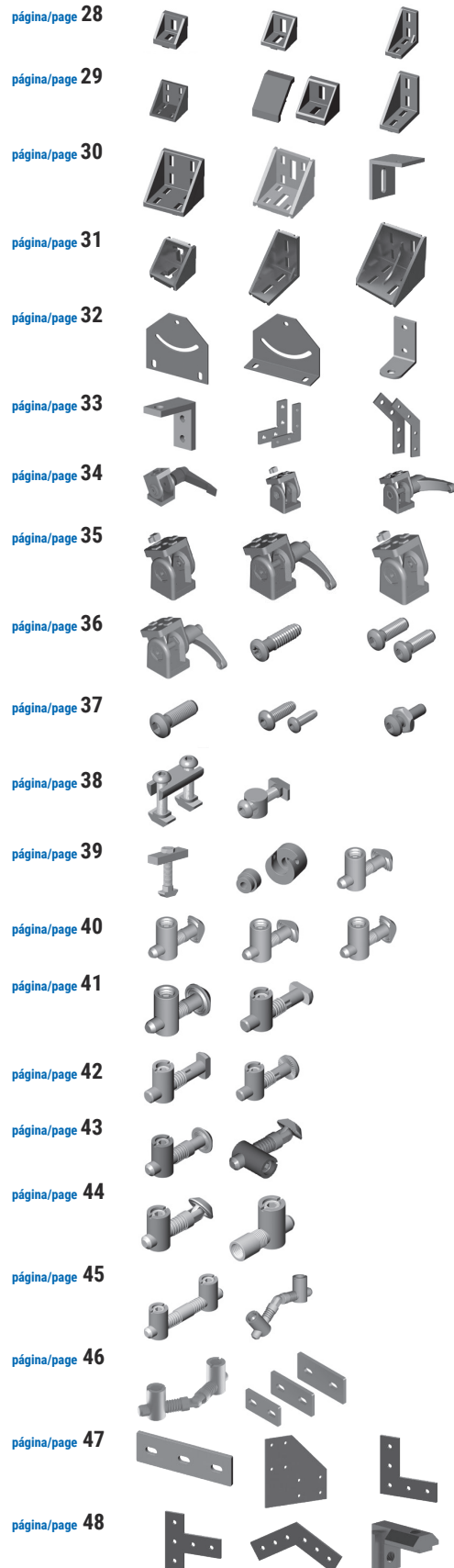
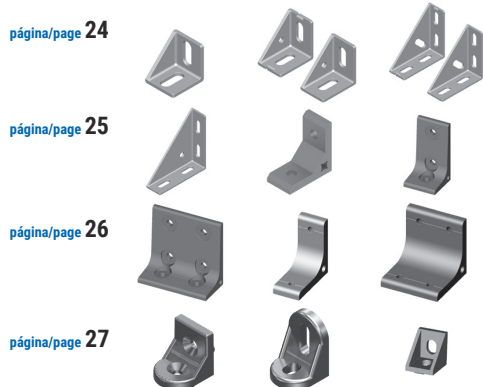
Igualmente en nuestro taller los perfiles pueden ser mecanizados y/o roscados para cada tipo de unión (conectores, pernos, tornillos,...) según sus necesidades indicándolo en el pedido.

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ELEMENTOS DE FIJACIÓN FASTENING ELEMENTS



ELEMENTOS DE UNIÓN JOINING ELEMENTS



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ELEMENTOS DE MONTAJE ASSEMBLY ELEMENTS

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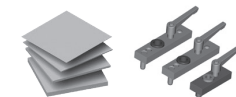
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ELEMENTOS DE POSICIONAMIENTO POSITIONING ELEMENTS

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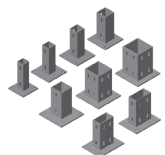
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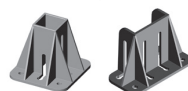
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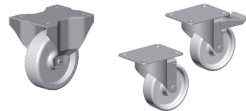
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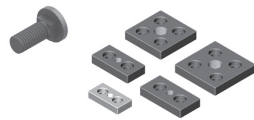
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ACCESORIOS PARA PUERTAS DOOR ACCESSORIES

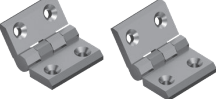
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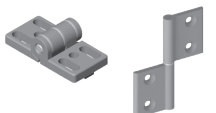
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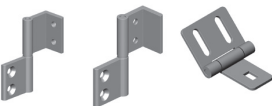
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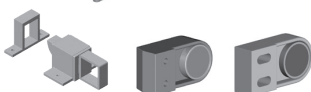
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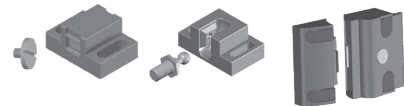
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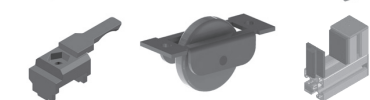
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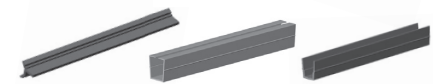


PERFILES PLÁSTICOS PLASTIC PROFILES

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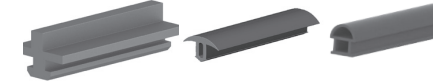
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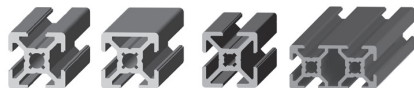
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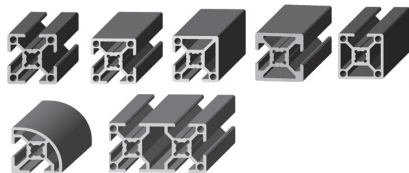
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PERFILES DE ALUMINIO ALUMINIUM PROFILES

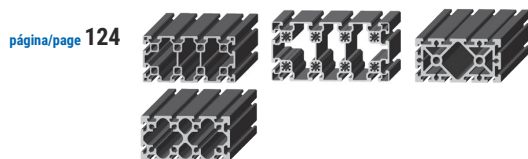
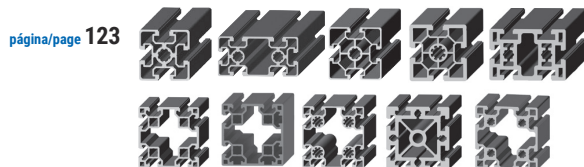
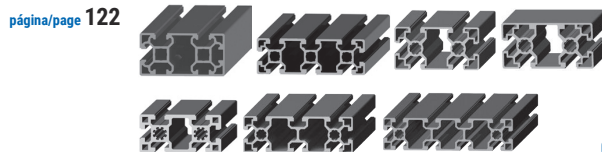
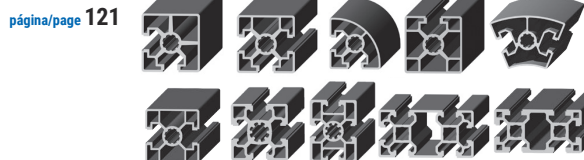
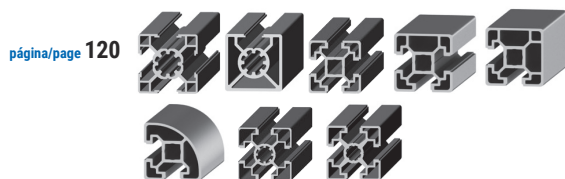
página/page 118 **Serie, canal 6 mm Serie, 6 mm slot**



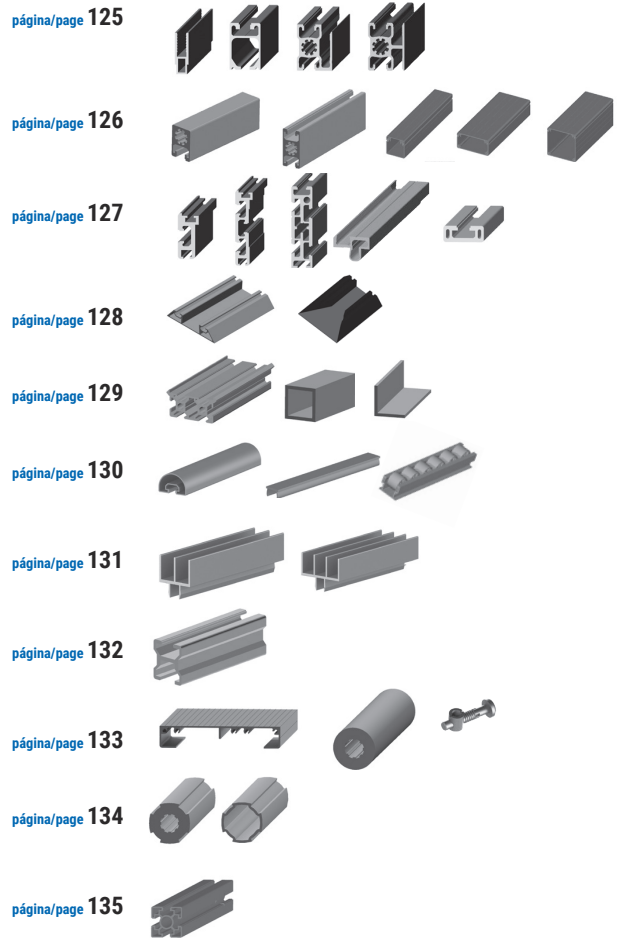
página/page 119 **Serie, canal 8 mm Serie, 8 mm slot**



Serie, canal 10 mm Serie, 10 mm slot



Series especiales Special series



EJEMPLOS DE MONTAJE ASSEMBLY EXAMPLES



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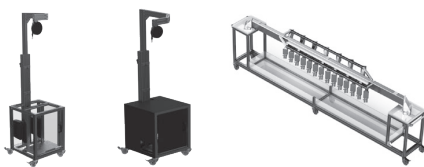
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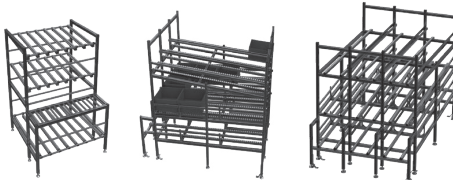
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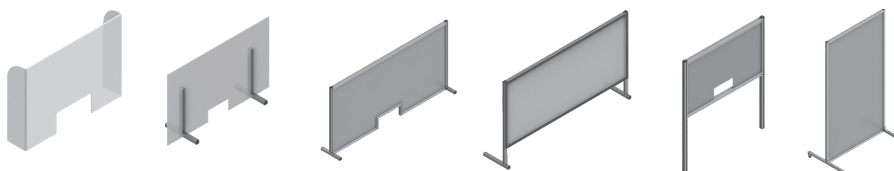
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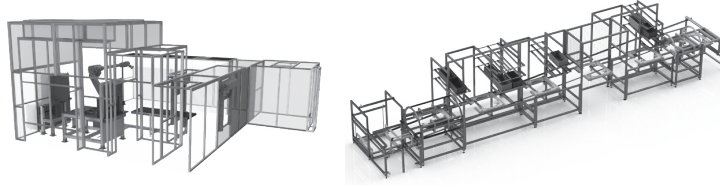


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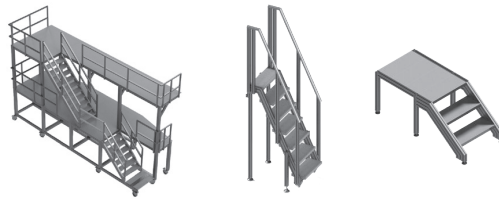


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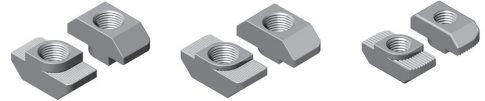
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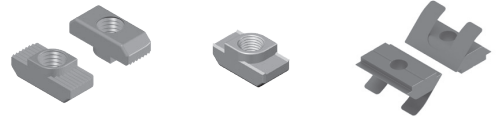
ELEMENTOS DE FIJACIÓN

FASTENING ELEMENTS

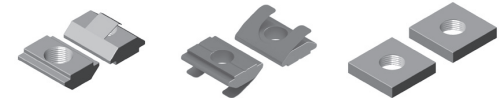
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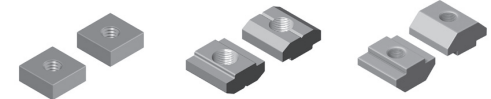
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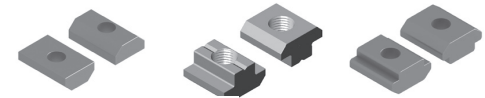
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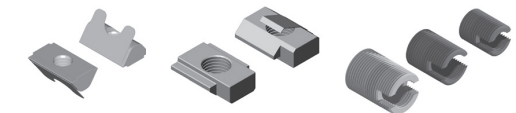
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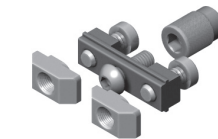
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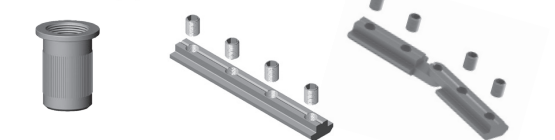
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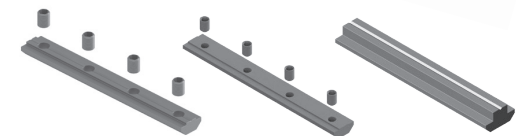
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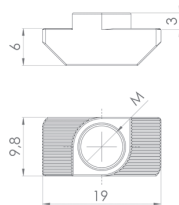
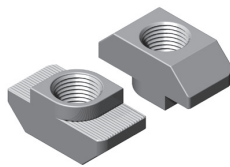


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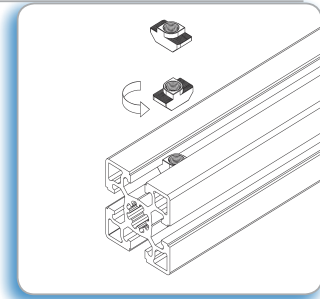


**FASTEN
SISTEMAS**

Tuerca cabeza martillo Acero zincado / Inox
Hammer head nut Zinc plated steel / Stainless



52014	M4	0,008
52015	M5	0,007
52016	M6	0,007
52018	M8	0,006
52016-Inox.	M6	0,007
52018-Inox.	M8	0,006



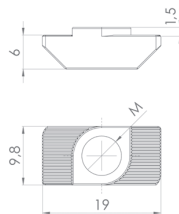
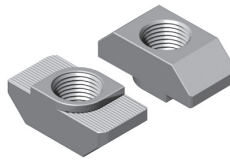
Aplicación

Para fijar elementos a los perfiles con canal de 10 mm. Posibilidad de inserción desde cualquier parte del perfil mediante giro.

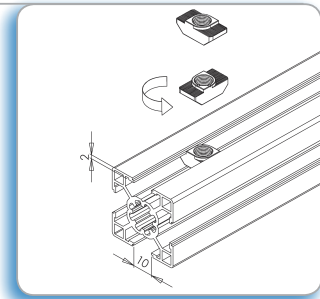
Application

Used for the assembly of accessories on profiles with 10 mm slot. Nuts can be inserted sideways along the profile slot.

Tuerca cabeza martillo baja Acero zincado
Hammer head nut, low neck Zinc plated steel



52064	M4	0,006
52065	M5	0,006
52066	M6	0,005
52068	M8	0,005



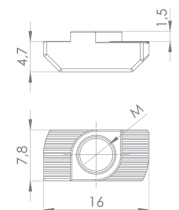
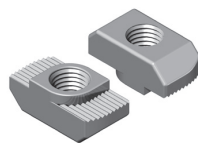
Aplicación

Para fijar elementos a los perfiles con canal de 10 mm y patilla 2 mm. Posibilidad de inserción desde cualquier parte del perfil mediante giro.

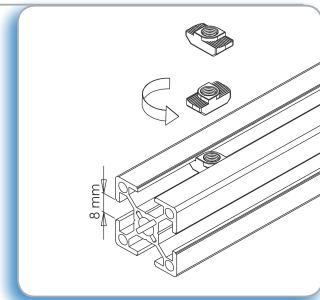
Application

Used for the assembly of accessories on profiles with 10 mm slot and 2mm thickness. Nuts can be inserted sideways along the profile slot.

Tuerca cabeza martillo, canal 8 mm Acero zincado
Hammer head nut, 8 mm slot Zinc plated steel



52074	M4	0,004
52075	M5	0,003
52076	M6	0,003



Aplicación

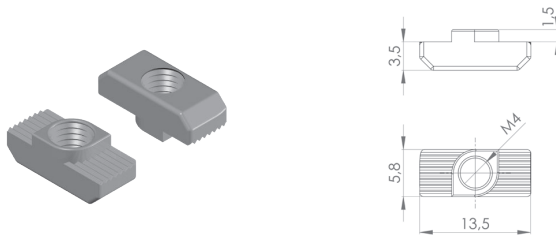
Para fijar elementos a los perfiles con canal de 8 mm. Posibilidad de inserción desde cualquier parte del perfil mediante giro.

Application

Used for the assembly of accessories on profiles with 8 mm slot. Nuts can be inserted sideways along the profile slot.

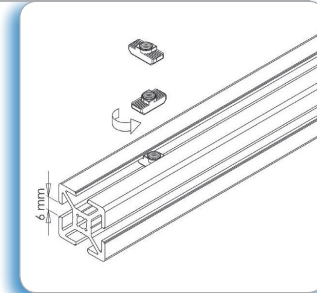


Tuerca cabeza martillo perfil 25 Acero zincado
Hammer head nut, profile 25 Zinc plated steel



		
5208	M4	0,002

25



Aplicación
Para fijar elementos a los perfiles serie 25, canal 6 mm. Posibilidad de inserción desde cualquier parte del perfil mediante giro.

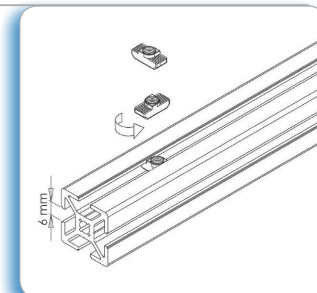
Application
Used for the assembly of accessories on profiles serie 25 with 6 mm slot. Nuts can be inserted sideways along the profile slot.

Tuerca cabeza martillo perfil 20 Acero zincado
Hammer head nut, profile 20 Zinc plated steel



		
5209	M4	0,001

20






Aplicación
Para fijar elementos a los perfiles serie 20, canal 6 mm. Posibilidad de inserción desde cualquier parte del perfil mediante giro.

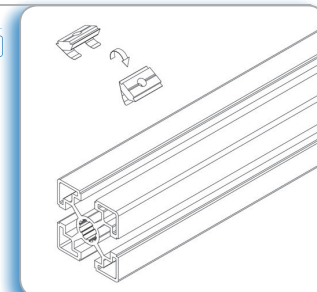
Application
Used for the assembly of accessories on profiles serie 20 with 6 mm slot. Nuts can be inserted sideways along the profile slot.

Tuerca en T con fleje Acero zincado
Spring-plate T nut Zinc plated steel



		
522440	M4	0,008
522540	M5	0,008
522640	M6	0,007
522840	M8	0,007

10 mm

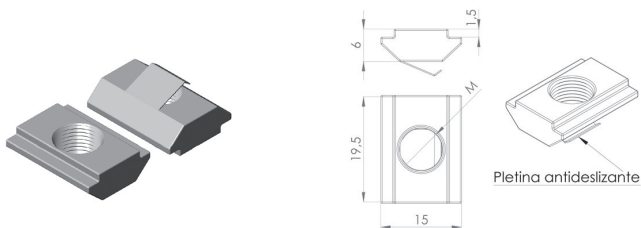





Aplicación
Para evitar el deslizamiento de la tuerca, ésta posee un fleje flexible, soldado, que muellea. Posibilidad de inserción desde cualquier parte del perfil mediante inclinación a 45°.

Application
A welded flexible spring leaf prevents the nut from sliding. Nuts can be inserted sideways along the profile slot by swivelling 45°.

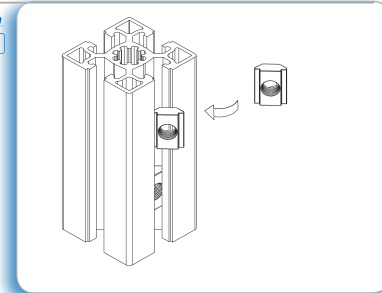
FASTEN SISTEMAS

Tuerca en T antideslizamiento **Acero zincado** Spring nut **Zinc plated steel**



		
52024	M4	0,011
52025	M5	0,010
52026	M6	0,010
52028	M8	0,009

10 mm



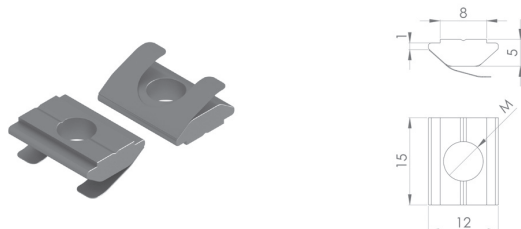
Aplicación




Indicada para montajes verticales. La tuerca, gracias a su pletina soldada queda fija y no desliza. Posibilidad de inserción desde cualquier parte del perfil mediante inclinación a 45°.

Application

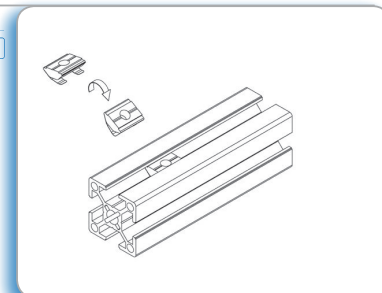
Used for the assembly of accessories on profiles with 10 mm slot. Recommended for vertical assemblies. A welded spring plate at the bottom prevents sliding once introduced in the slot. Nuts can be inserted sideways along the profile slot by swivelling 45°.

Tuerca en T con fleje, canal 8 mm **Acero zincado** Spring-plate T nut, 8 mm slot **Zinc plated steel**



		
520174	M4	0,005
520175	M5	0,005
520176	M6	0,004
520178	M8	0,004

8 mm



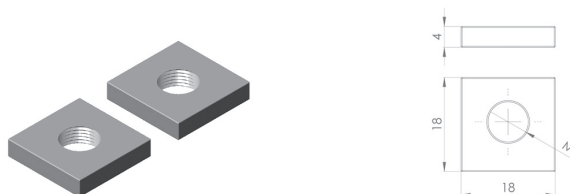
Aplicación




Para evitar el deslizamiento de la tuerca, ésta posee un fleje flexible, soldado, que muellea. Posibilidad de inserción desde cualquier parte del perfil mediante inclinación a 45°.

Application

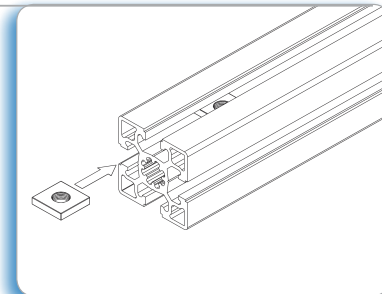
A welded flexible spring leaf prevents the nut from sliding. Nuts can be inserted sideways along the profile slot by swivelling 45°.

Tuerca cuadrada **Acero zincado** Square nut **Zinc plated steel**



		
52034	M4	0,009
52035	M5	0,009
52036	M6	0,008
52038	M8	0,008

10 mm



Aplicación

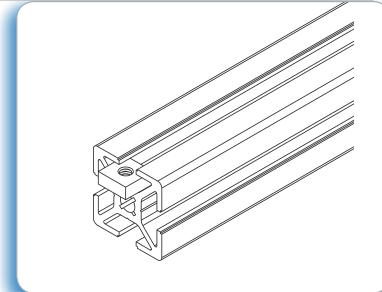
Para fijar elementos a los perfiles con canal 10 mm. Debe ser introducida por el extremo del perfil.

Application

Used for the assembly of accessories on profiles with 10 mm slot. Nuts must be inserted from the front in the profile slot.



Tuerca cuadrada, canal 6 mm Acero zincado
Square nut, 6 mm slot Zinc plated steel

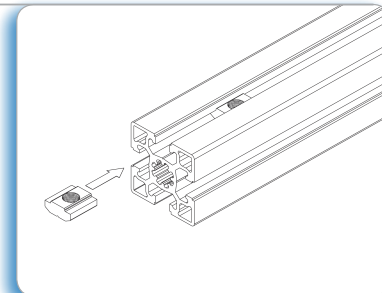
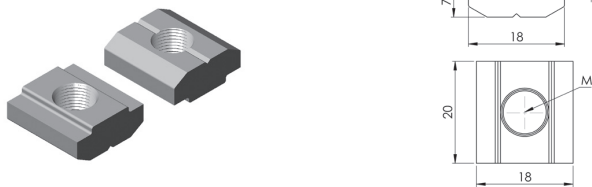


Aplicación
Para fijar elementos a los perfiles serie 25, con canal de 6 mm. Debe ser introducida por el extremo del perfil.

Application
Used for the assembly of accessories on profiles serie 25 with 6 mm slot. Nuts must be inserted from the front in the profile slot.

Barcode	Thread	Weight [kg]
52084	M4	0,03
52085	M5	0,02
52086	M6	0,02

Tuerca rectangular en T Acero zincado
T-slot nut Zinc plated steel

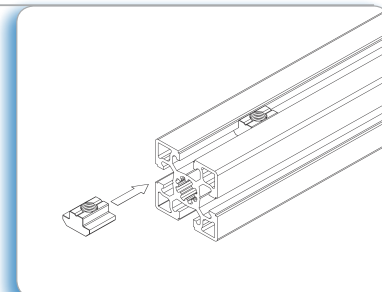
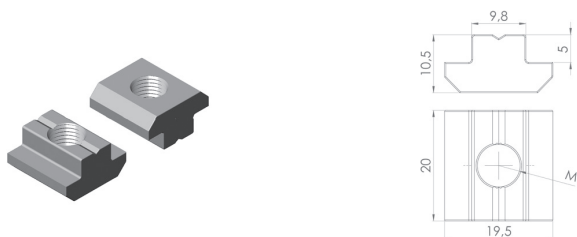


Aplicación
Para fijar elementos a los perfiles con canal de 10 mm. Debe ser introducida por el extremo del perfil.

Application
Used for the assembly of accessories on profiles with 10 mm slot. Nuts must be inserted from the front in the profile slot.

Barcode	Thread	Weight [kg]
52044	M4	0,016
52045	M5	0,016
52046	M6	0,015
52048	M8	0,014

Tuerca en T cuello alto Acero zincado
Heavy duty T-slot nut Zinc plated steel



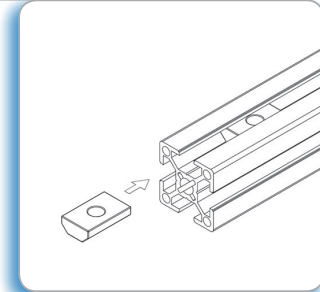
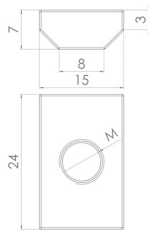
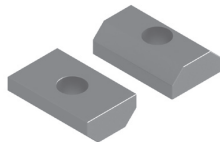
Aplicación
Para fijar elementos a los perfiles con canal de 10 mm. Permite aplicar grandes fuerzas. Debe ser introducida por el extremo del perfil.

Application
Used for the assembly of accessories on profiles with 10 mm slot. Recommended for very heavy duty fastening applications. Nuts must be inserted from the front in the profile slot.

Barcode	Thread	Weight [kg]
52054	M4	0,021
52055	M5	0,020
52056	M6	0,020
52058	M8	0,019

FASTEN
SISTEMAS

Tuerca rectangular lisa, canal 8 mm Acero zincado
Flat rectangular nut, 8 mm slot Zinc plated steel



Aplicación

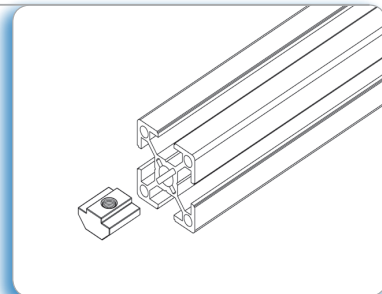
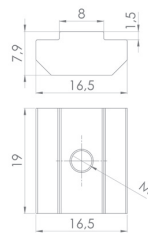
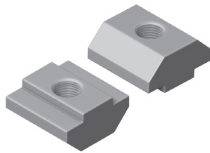
Para fijar elementos a los perfiles con canal de 8 mm. Debe ser introducida por el extremo del perfil.

Application

Used for the assembly of accessories on profiles with 8 mm slot. Nuts must be inserted from the front in the profile slot.

Barcode	Size	Weight (kg)
9144	M4	0,016
9145	M5	0,016
9146	M6	0,015
9148	M8	0,014

Tuerca rectangular en T, canal 8 mm Acero zincado
T-slot nut, 8 mm slot Zinc plated steel



Aplicación

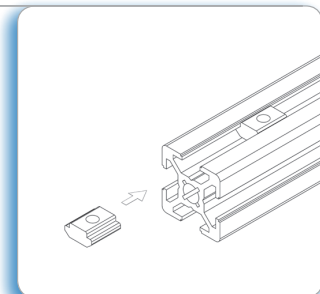
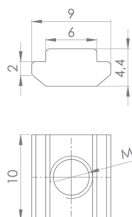
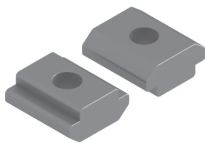
Para fijar accesorios a los perfiles con canal de 8 mm. Debe ser introducida por el extremo del perfil.

Application

Used for the assembly of accessories on profiles with 8 mm slot. Nuts must be inserted from the front in the profile slot.

Barcode	Size	Weight (kg)
52094	M4	0,014
52095	M5	0,013
52096	M6	0,012
52098	M8	0,012

Tuerca en T, canal 6 mm Acero zincado
T-slot nut, 6 mm slot Zinc plated steel



Aplicación

Para fijar elementos a los perfiles serie 20, canal 6 mm. Debe ser introducida por el extremo del perfil.

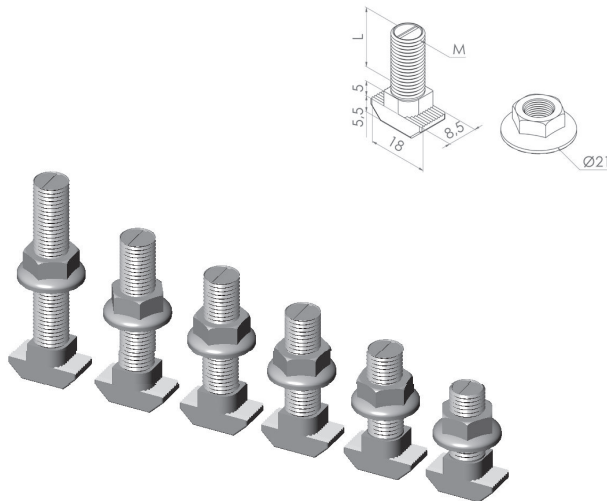
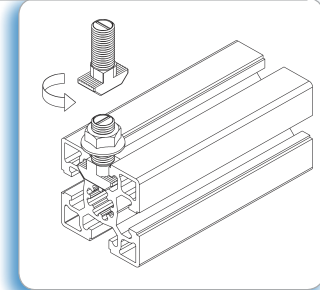
Application

Used for the assembly of accessories on profiles serie 20 with 6 mm slot. Nuts must be inserted from the front in the profile slot.

Barcode	Size	Weight (kg)
52091	M4	0,002
52092	M5	0,002



Tornillo cabeza martillo + tuerca, canal 10 mm Acero 8.8 zincado / Inox
Hammer head bolt + hex flange nut, 10 mm slot Zinc plated steel 8.8 / Stainless






Aplicación

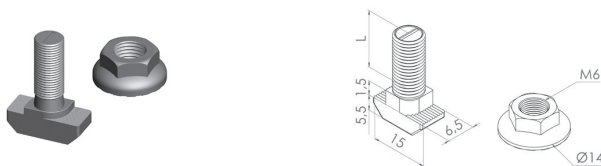
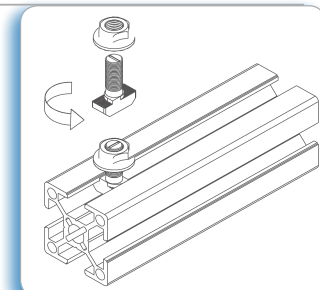
Para la fijación de accesorios a los perfiles de canal 10 mm. Gracias al dentado de la tuerca y a su mayor diámetro (21 mm), la fijación es máxima.

Application

For fixing accessories on profiles with 10 mm slot. Due to the bottom serrations and the larger diameter of the nut (21 mm), fixing is optimum.

		
525020	M8x20	0,021
525025	M8x25	0,023
525030	M8x30	0,024
525035	M8x35	0,026
525040	M8x40	0,027
525050	M8x50	0,031
525070	M8x70	0,037
525025-Inox.	M8x25	0,023
525070-Inox.	M8x70	0,037

Tornillo cabeza martillo + tuerca, canal 8 mm Acero 8.8 zincado
Hammer head bolt + hex flange nut, 8 mm slot Zinc plated steel 8.8



		
525116	M6x16 mm	0,009

Aplicación

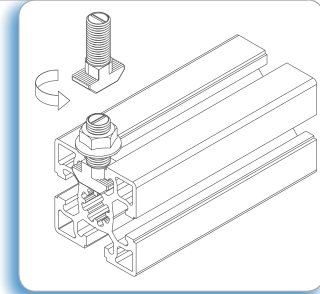
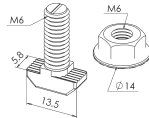
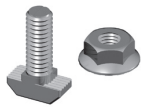
Para la fijación de accesorios a los perfiles de boca 8 mm. Gracias al dentado de la tuerca, la fijación es máxima.

Application

For fixing accessories on profiles with 8 mm slot. Due to the bottom serrations of the nut, fixing is optimum.

FASTEN SISTEMAS

Tornillo cabeza martillo + tuerca, canal 6 mm Acero 8.8 zincado Hammer head bolt + hex flange nut, 6 mm slot Zinc plated steel 8.8



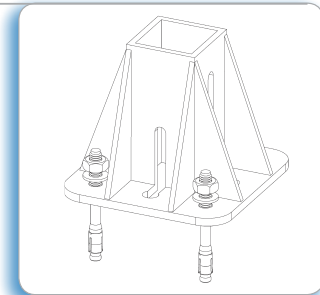
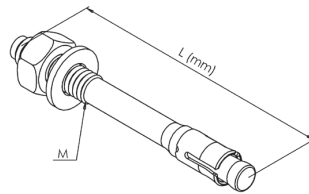
Aplicación

Para la fijación de elementos a los perfiles de canal 6 mm. Gracias al dentado de la tuerca, la fijación es máxima.

Application

For fixing accessories on profiles with 6 mm slot. Due to the bottom serrations of the nut, fixing is optimum

Taco de expansión Acero zincado Through bolt anchor Zinc plated steel



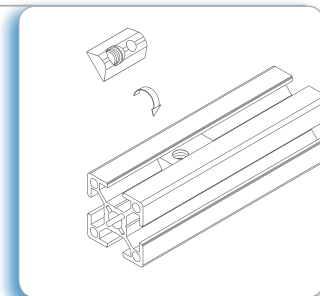
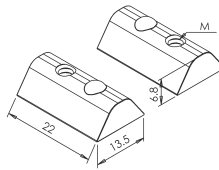
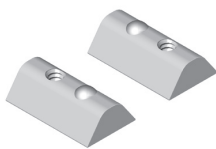
Aplicación

Para la fijación de forma segura de soportes y placas al suelo.

Application

To firmly join and secure positioning elements to the floor.

Tuerca redonda con bola Acero zincado Spring-ball nut Zinc plated steel

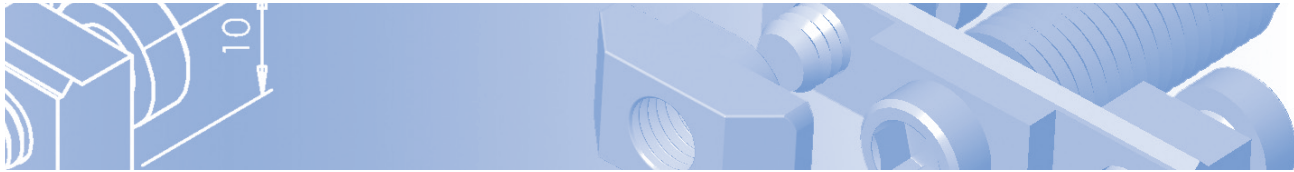


Aplicación

Para fijación de elementos a distintos perfiles de canal 8 mm.




Application

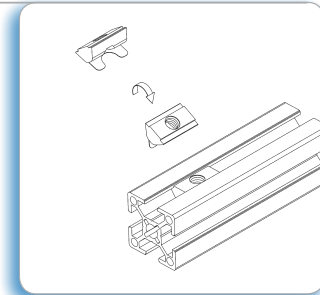
For fixing accessories on different profiles with 8 mm slot.



Tuerca redonda con pestaña Acero zincado
Spring-plate nut Zinc plated steel



			
	5074	M4	0,012
	5075	M5	0,011
	5076	M6	0,011
	5078	M8	0,009



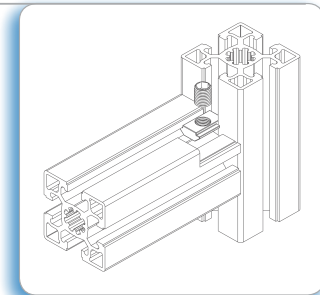
Aplicación
Para fijación de elementos a distintos perfiles de canal 8 mm.

Application
For fixing accessories on different profiles with 8 mm slot.

Refuerzo antigiro Acero zincado
Anti-rotation nut Zinc plated steel



			
	5512	M8	0,008





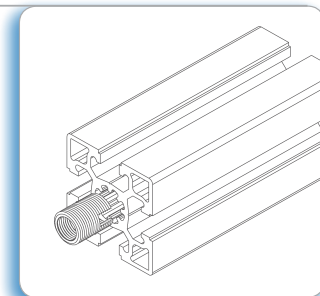
Aplicación
Para evitar el giro en aquellos perfiles unidos con tornillo autorroscante. Posibilidad de inserción desde cualquier parte del perfil mediante inclinación 45°.

Application
To avoid rotation of profiles when using socket T bolts. Used on profiles with 10 mm slot. Nuts can be inserted sideways along the profile slot by swivelling 45°.

Casquillo reductor Acero zincado
Threaded inserts Zinc plated steel



		\varnothing int.	\varnothing ext.	L	
	52918	M8	M12	15 mm	0,005
	529110	M10	M14	18 mm	0,007
	529112	M12	M16	22 mm	0,011



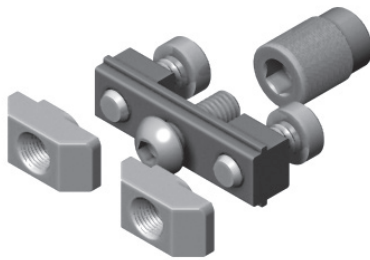
Aplicación
Permite roscar accesorios de M8, M10, M12 en el núcleo central de los perfiles. Se recomienda su uso en estructuras sometidas a vibraciones.

Application
Suitable for front assembly of accessories with M8, M10, M12 thread. Recommended for connexion of profiles subjected to vibrations.

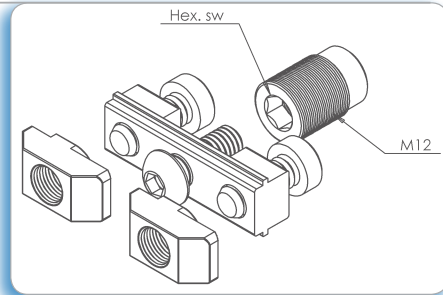
FASTEN SISTEMAS

Fijación ajustable oculta **Acero zincado** Adjustable connector **Zinc plated steel**

10 mm



No necesita mecanización
No Machinning needed



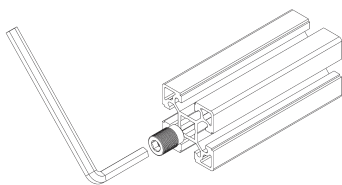
Aplicación

Garantiza una unión de perfiles óptima en posicionado y transmisión de fuerza. De uso en perfiles con canal de 10 mm. No necesita mecanización.

Application

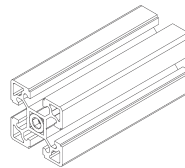
Guarantees an optimum connection of profiles in terms of positioning and force transmission. Profiles need no machining.

Barcode	Icon	Weight (Kg)
5213	40x40	0,051
5212	45x45	0,054
5214	60x60	0,057
5215	40x80 / 80x80	0,054
5216	45x90 / 90x90	0,082



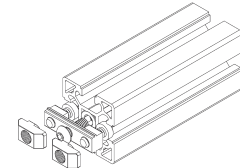
Paso 1

Insertar y enroscar el casquillo con ayuda de una llave allen



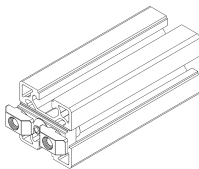
Paso 2

Comprobar que está introducido en su totalidad



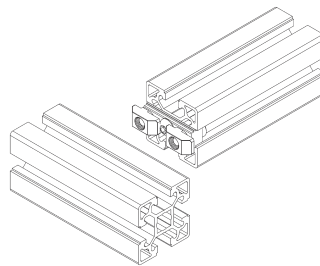
Paso 3

Colocar la brida y fijarla atornillando el tornillo ISO. Colocar las dos tuercas cabeza de martillo con sus tornillos DIN



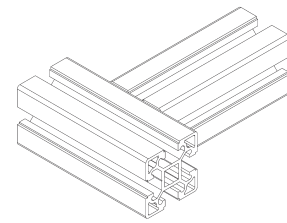
Paso 4

Comprobar que la brida está atornillada a tope



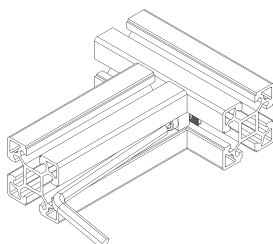
Paso 5

Colocar el perfil que se desea unir en posición



Paso 6

Juntar los perfiles introduciendo la fijación ajustable en el canal del perfil a unir.

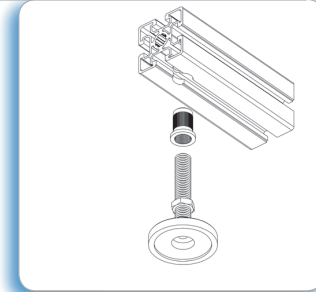
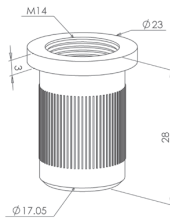


Paso 7

Apretar los dos tornillos DIN, de manera que hagan girar las tuercas cabeza de martillo y aseguren la unión de los perfiles



Encaje de rosca Acero zincado
Threaded sleeve Zinc plated steel



Aplicación
Para rosca accesorios en los laterales de los perfiles.

Application
To thread accessories in profile sides.



5291

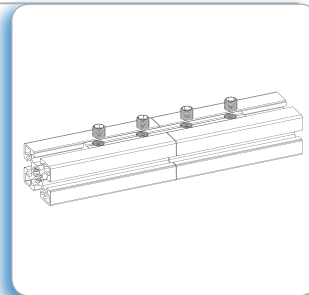
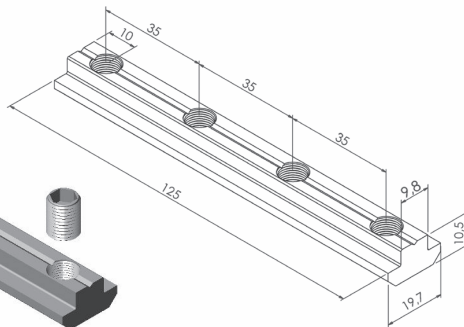
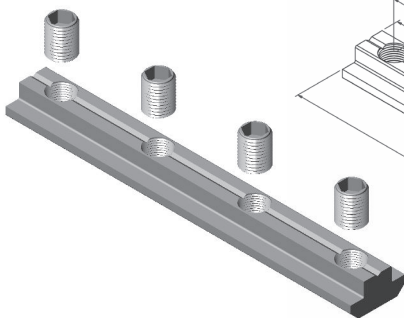


M14



0,024

Regleta de unión de perfiles Acero zincado
Heavy duty T-slot bar profile Zinc plated steel



Aplicación
Para la unión longitudinal de dos perfiles de canal 10 mm. El suministro incluye 4 espárragos M8. Esta unión no necesita mecanización.

Application
Suitable for the longitudinal connection of two profiles with 10 mm slot. Standard supply includes 4 M8 screws. Profiles need no machining.



5210125



125 mm

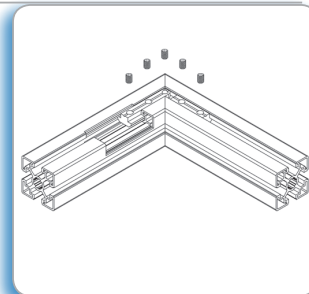
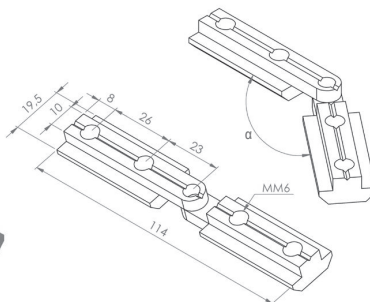
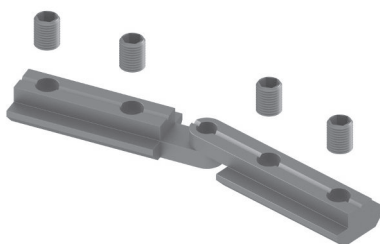


4 x M8



0,131

Regleta articulada lateral Acero zincado
Articulated profile bar Zinc plated steel



Aplicación
Para la unión en ángulo de dos perfiles en ángulo, de canal 10 mm. El suministro incluye 4 espárragos M8. Esta unión no necesita mecanización.

Application
Suitable for angle connection of two profiles cut at angles with 10 mm slot. Standard supply includes 4 M8 screws. Profiles need no machining.



52101



125 mm



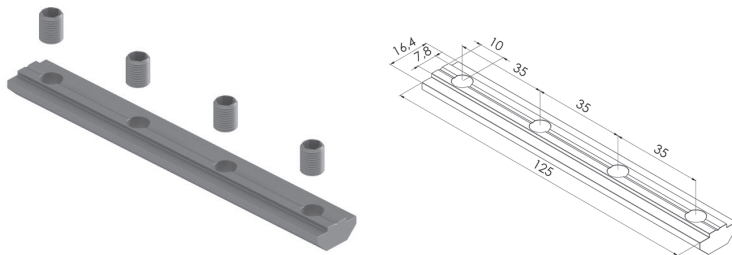
0,107

α

$90^\circ < \alpha < 270^\circ$

FASTEN
SISTEMAS

Regleta de unión de perfiles, canal 8 mm Acero zincado
T-slot profile bar, 8 mm slot Zinc plated steel

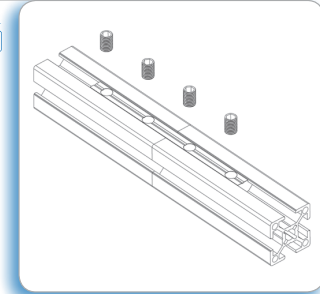



5210126


125 mm


0,12


8 mm



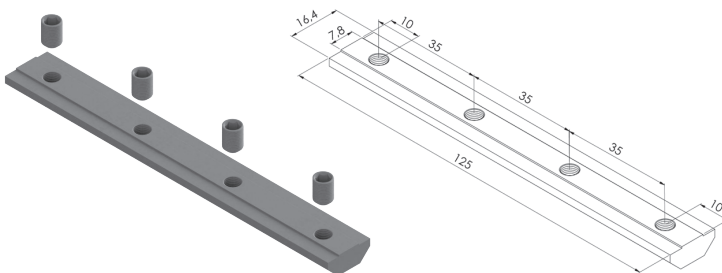
Aplicación

Para la unión longitudinal de dos perfiles de canal 8 mm. El suministro incluye 4 espárragos M8. Esta unión no necesita mecanización.

Application

Suitable for the longitudinal connection of two profiles with 8 mm slot. Standard supply includes 4 M8 screws. Profiles need no machining.

Regleta de unión de perfiles, canal 8 mm Aluminio anodizado
T-slot profile bar, 8 mm slot Anodized aluminium

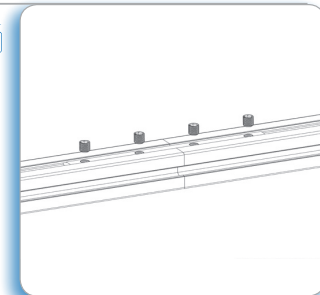



5210130


125 mm


0,029


8 mm



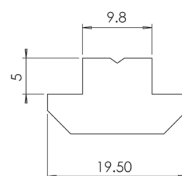
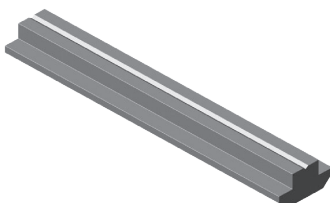
Aplicación

Para la unión longitudinal de dos perfiles de canal 8 mm. El suministro incluye 4 espárragos M8. Esta unión no necesita mecanización.

Application

Suitable for the longitudinal connection of two profiles with 8 mm slot. Standard supply includes 4 M8 screws. Profiles need no machining.

Perfil en T cuello alto Acero
Heavy duty T-slot profile Steel

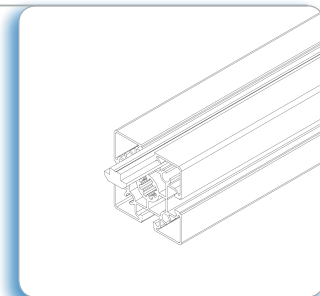



52101000


1000 mm


1,150


10 mm



Aplicación

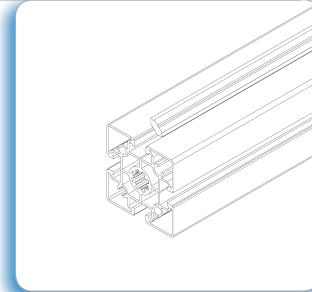
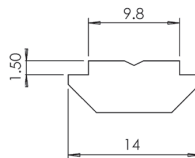
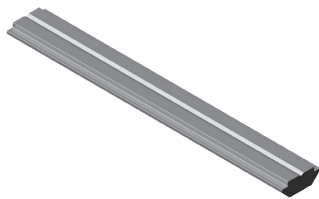
Para fijar accesorios a los perfiles con canal de 10 mm. El perfil debe ser introducido por el extremo. Acero sin tratar.

Application

Used for the assembly of accessories on profiles with 10 mm slot. It must be inserted from the edge. Raw steel.



Perfil en T insertable Acero
Insertable T-slot profile Steel



Aplicación

Para fijar accesorios a los perfiles con canal de 10 mm. Posibilidad de inserción desde cualquier parte del perfil mediante giro. Acero sin tratar.

Application

Used for the assembly of accessories on profiles with 10 mm slot. It can be inserted sideways along the profile slot. Raw steel.



52102000

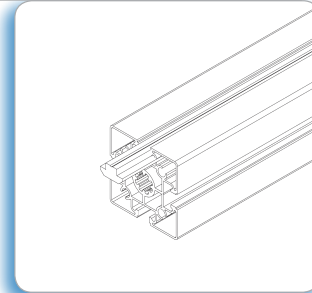
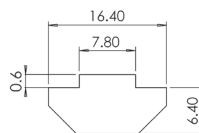
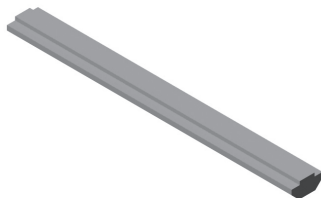


1.000 mm



0,150

Perfil en T, canal 8 mm Acero
T-slot profile, 8 mm slot Steel



Aplicación

Para fijar accesorios o unir perfiles con canal de 8 mm. El perfil debe ser introducido por el extremo. Acero sin tratar.

Application

Used for the assembly of accessories and connection of profiles with 8 mm slot. It must be inserted from the front in the profile slot. Raw steel



52104000

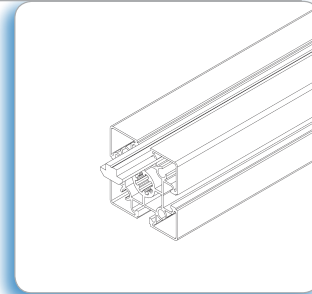
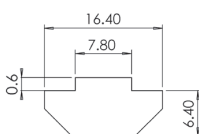
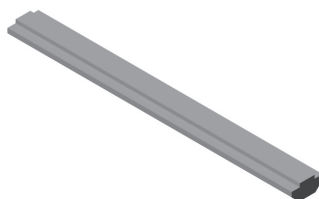


1000 mm



0,3

Perfil en T, canal 8 mm Aluminio anodizado
T-slot profile, 8 mm slot Anodized aluminium



Aplicación

Para fijar accesorios o unir perfiles con canal de 8 mm. El perfil debe ser introducido por el extremo.

Application

Used for the assembly of accessories and connection of profiles with 8 mm slot. It must be inserted from the front in the profile slot.



52103000



1000 mm



0,3

ELEMENTOS DE UNIÓN

JOINING ELEMENTS

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página/page 30



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página/page 32



página/page 33



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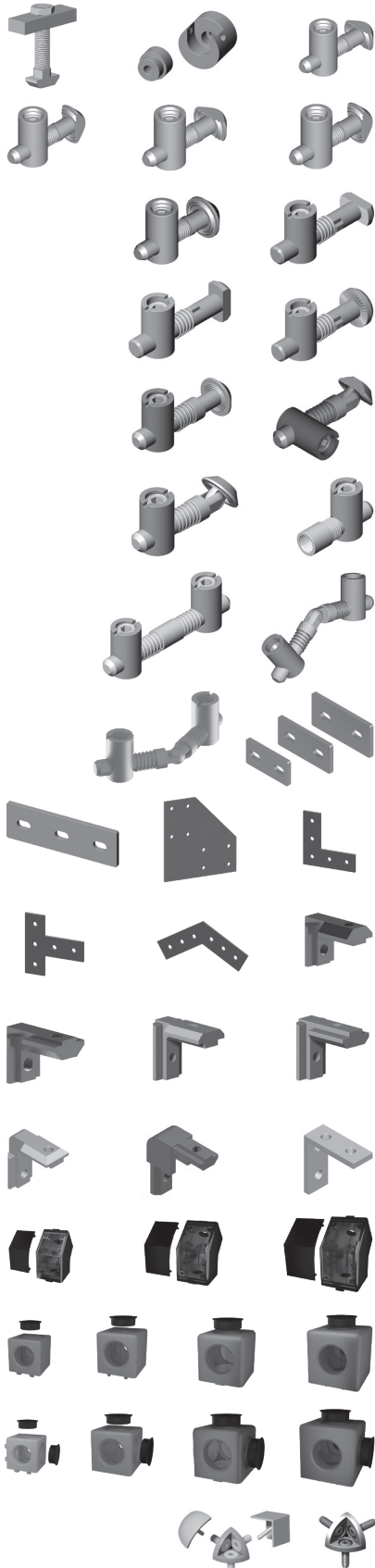


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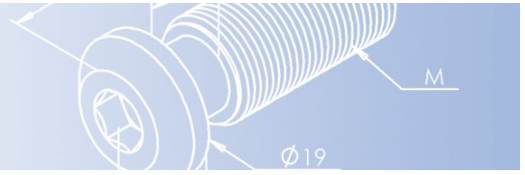
página/page 53

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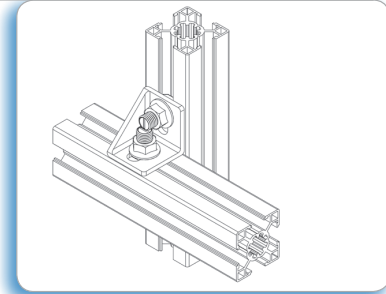
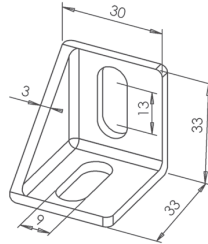
ELEMENTOS DE UNIÓN

JOINING ELEMENTS

FASTEN
SISTEMAS



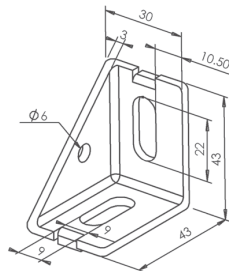
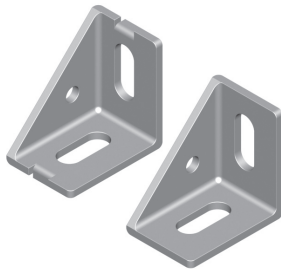
Escuadra 33x33x30 Acero zincado
Connection angle 33x33x30 Zinc plated steel



Aplicación
Para la unión de perfiles en cruz.
Se recomienda usar tornillo cabeza martillo M8x20.

Application
For right-angled and power-lock connection of profiles. It can be fixed to the profile using hammer head bolts M8x20.

Escuadra 43x43x30 Acero zincado
Connection angle 43x43x30 Zinc plated steel

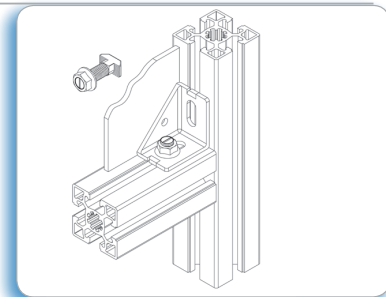


5301
53010

con posicionador/with guiding studs
sin posicionador/without guiding studs



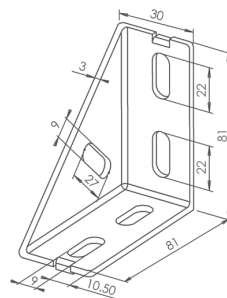
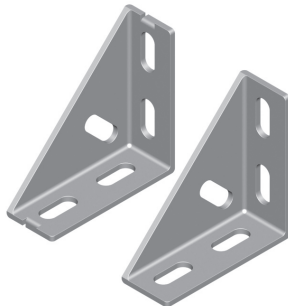
0,063
0,062



Aplicación
Para la unión de perfiles a 90°; disponible sin pestañas de posicionamiento. Se recomienda usar tornillo cabeza martillo M8x20.

Application
For right-angled and power-lock connection of profiles. Also available without guiding studs. It can be fixed to the profile using hammer head bolts M8x20.

Escuadra 81x81x30 Acero zincado
Connection angle 81x81x30 Zinc plated steel

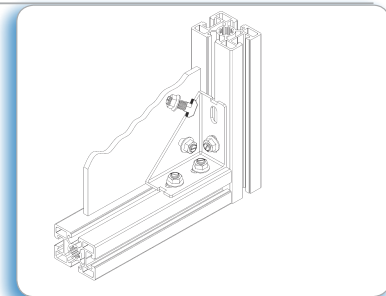


5302
53020

con posicionador/with guiding studs
sin posicionador/without guiding studs



0,157
0,156

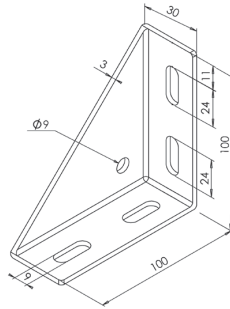
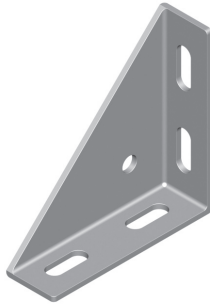


Aplicación
Para la unión de perfiles a 90°; disponible sin pestañas de posicionamiento. Se recomienda usar tornillo cabeza martillo M8x20.

Application
For right-angled and power-lock connection of profiles. Also available without guiding studs. It can be fixed to the profile using hammer head bolts M8x20.



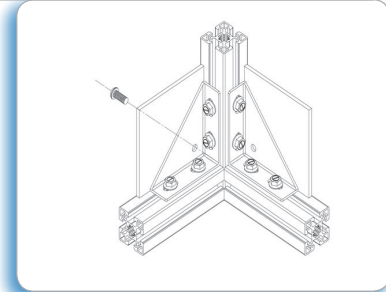
Escuadra 100x100x30 Acero zincado
Connection angle 100x100x30 Zinc plated steel



5308



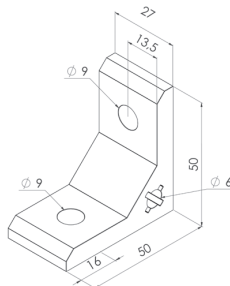
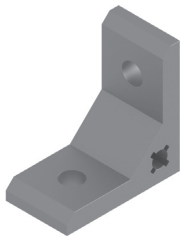
0,220



Aplicación
Para la unión de perfiles a 90°. Se recomienda usar tornillo cabeza martillo M8x20.

Application
For right-angled and power-lock connection of profiles. It can be fixed to the profile using hammer head bolts M8x20.

Escuadra 50x50x27 Aluminio anodizado
Connection angle 50x50x27 Anodized aluminium



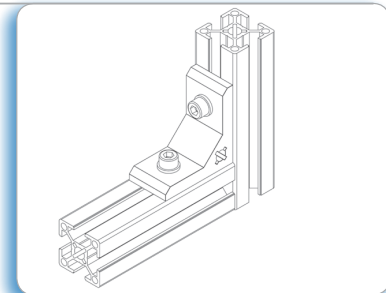
5314



M8



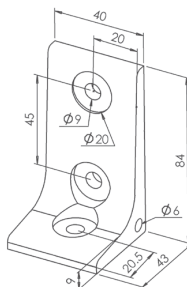
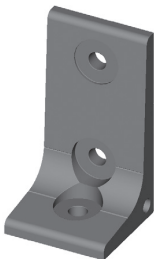
0,048



Aplicación
Para la unión de perfiles a 90°. Tornillería no incluida.

Application
For right-angled and power-lock connection of profiles. Screws not included.

Escuadra 43x84x40 Aluminio anodizado
Connection angle 43x84x40 Anodized aluminium



5310

con posicionador/with guiding studs

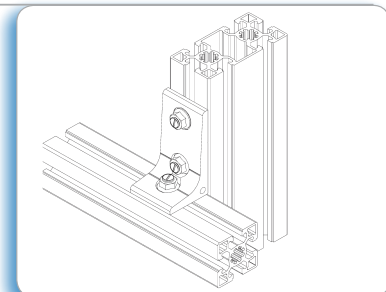


0,090

53101

sin posicionador/without guiding studs

0,090

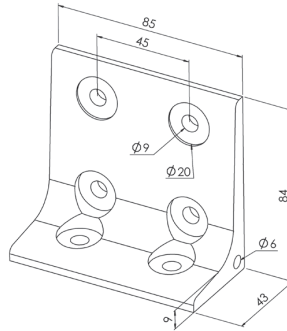
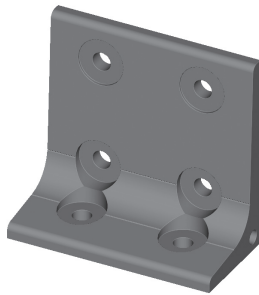


Aplicación
Para la unión de perfiles a 90°; disponible sin pestañas de posicionamiento. Se recomienda usar tornillo cabeza martillo M8x20.

Application
For right-angled and power-lock connection of profiles. Also available without guiding studs. It can be fixed to the profile using hammer head bolts M8x20.

**FASTEN
SISTEMAS**

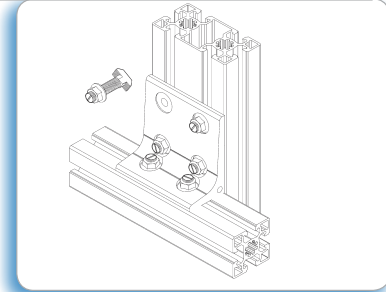
Escuadra 43x84x85 Aluminio anodizado
Connection angle 43x84x85 Anodized aluminium



5311



0,193



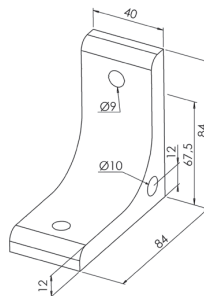
Aplicación

Para la unión de perfiles a 90°. Se recomienda usar tornillo cabeza martillo M8x20.

Application

For right-angled and power-lock connection of profiles. It can be fixed to the profile using hammer head bolts M8x20.

Escuadra reforzada 84x84x40 Aluminio anodizado
Connection angle 84x84x40 Anodized aluminium



5312

sin posicionador/without guiding studs

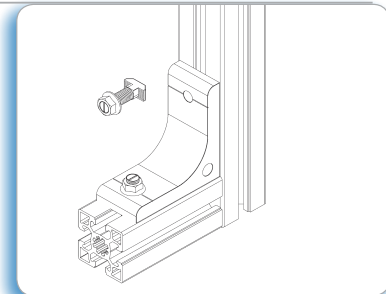


0,200

53121

con posicionador/with guiding studs

0,201



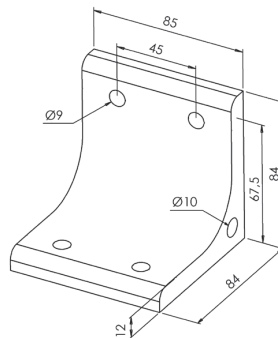
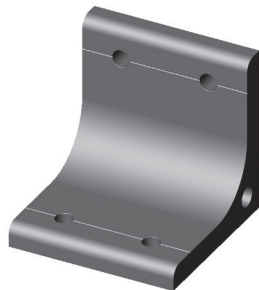
Aplicación

Para la unión de perfiles a 90°; disponible con pestañas de posicionamiento. Se recomienda usar tornillo cabeza martillo M8x25.

Application

For right-angled and power-lock connection of profiles. Also available without guiding studs. It can be fixed to the profile using hammer head bolts M8x25.

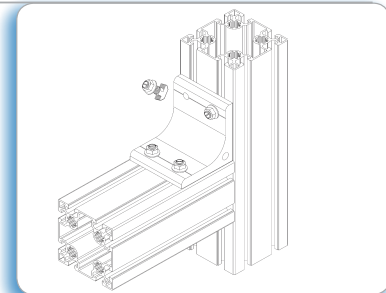
Escuadra reforzada 84x84x85 Aluminio anodizado
Connection angle 84x84x85 Anodized aluminium



5313



0,426



Aplicación

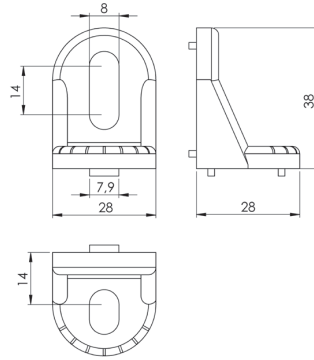
Para la unión de perfiles a 90°. Se recomienda usar tornillo cabeza martillo M8x25.

Application

For right-angled and power-lock connection of profiles. It can be fixed to the profile using hammer head bolts M8x25.



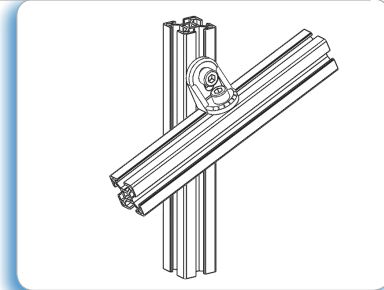
Escuadra para fijación en ángulos canal 8 mm Aluminio fundido
Connection angle, 8mm slot Die-cast aluminium



53442



0,018



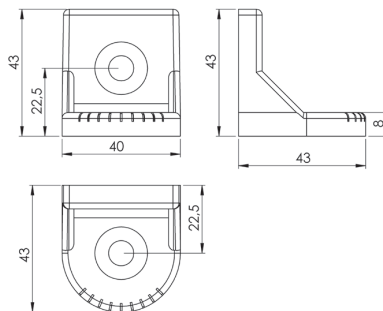
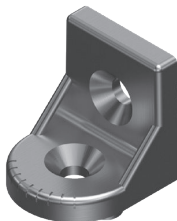
Aplicación

Para la unión de perfiles en cualquier ángulo. Muy útil para la fijación de bandejas y baldas.

Application

For the connection of profiles at different angles. Very useful for the positioning of trays and shelves.

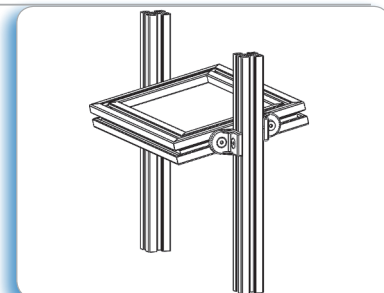
Escuadra para fijación en ángulos canal 10mm Aluminio fundido
Connection angle, 10mm slot Die-cast aluminium



53441



0,045



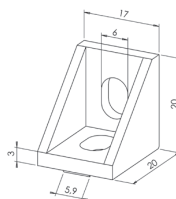
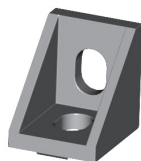
Aplicación

Para la unión de perfiles en cualquier ángulo. Muy útil para la fijación de bandejas y baldas.

Application

For the connection of profiles at different angles. Very useful for the positioning of trays and shelves.

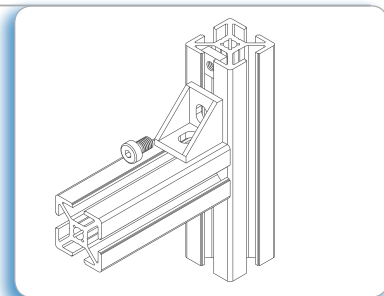
Escuadra 20x20x17 Aluminio fundido
Connection angle 20x20x17 Die-cast aluminium



53301



0,006



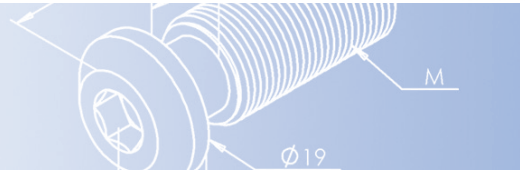
Aplicación

Para la unión de perfiles a 90°. Las pestañas de posicionamiento pueden ser eliminadas.

Application

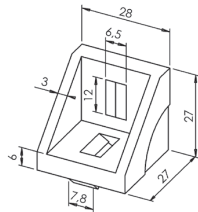
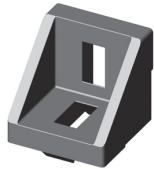
For right-angled and power-lock connection of profiles. Positioning studs can easily be removed.

FASTEN
SISTEMAS



Escuadra 27x27x28 Aluminio fundido
Connection angle 27x27x28 Die-cast aluminium

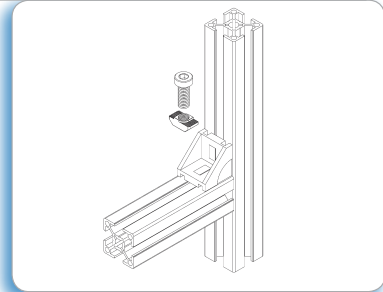
30



5333



0,021

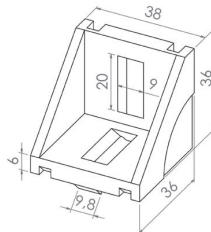
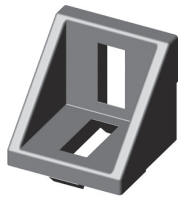


Aplicación
Para la unión de perfiles a 90°. Las pestañas de posicionamiento pueden ser eliminadas.

Application
For right-angled and power-lock connection of profiles. Positioning studs can easily be removed.

Escuadra 36x36x38 Aluminio fundido
Connection angle 36x36x38 Die-cast aluminium

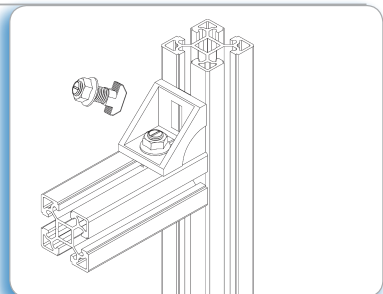
40



5334



0,040

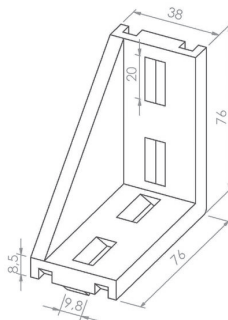
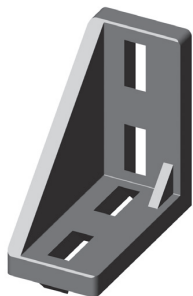


Aplicación
Para la unión de perfiles a 90°. Las pestañas de posicionamiento pueden ser eliminadas. Se recomienda su fijación mediante tornillo cabeza martillo M8x20.

Application
For right-angled and power-lock connection of profiles. Positioning studs can easily be removed by pressing with a screwdriver. It can be fixed to the profile using hammer head bolts M8x20.

Escuadra 76x76x38 Aluminio fundido
Connection angle 76x76x38 Die-cast aluminium

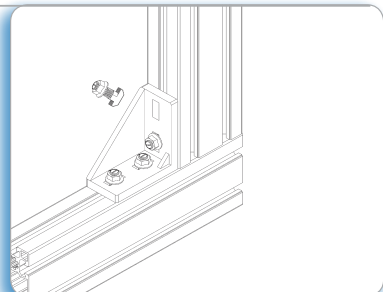
40
80



5335



0,119

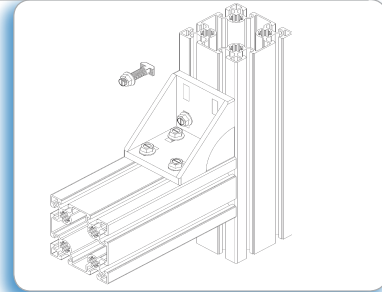
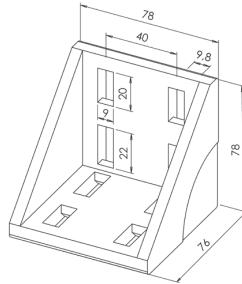
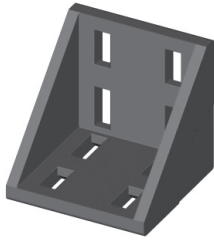


Aplicación
Para la unión de perfiles a 90°. Las pestañas de posicionamiento pueden ser eliminadas. Se recomienda su fijación mediante tornillo cabeza martillo M8x25.

Application
For right-angled and power-lock connection of profiles. Positioning studs can easily be removed by pressing with a screwdriver. It can be fixed to the profile using hammer head bolts M8x25.



Escuadra 76x76x78 Aluminio fundido
Connection angle 76x76x78 Die-cast aluminium



Aplicación
Para la unión de perfiles a 90°. Las pestañas de posicionamiento pueden ser eliminadas. Se recomienda su fijación mediante tornillo cabeza martillo M8x25.

Application
For right-angled and power-lock connection of profiles. Positioning studs can easily be removed by pressing with a screwdriver. It can be fixed to the profile using hammer head bolts M8x25.

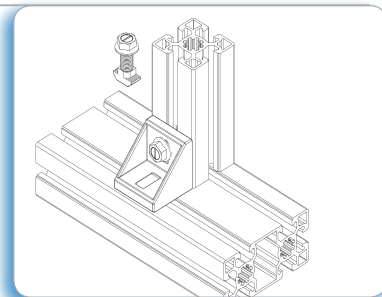
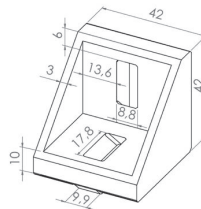


5339



0,237

Escuadra 42x42x42 Aluminio fundido
Connection angle 42x42x42 Die-cast aluminium



Aplicación
Para la unión de perfiles a 90°. Las pestañas de posicionamiento pueden ser eliminadas. Se recomienda su fijación mediante tornillo cabeza martillo M8x25.

Application
For right-angled and power-lock connection of profiles. Positioning studs can easily be removed by pressing with a screwdriver. It can be fixed to the profile using hammer head bolts M8x25.



5330

escuadra sin tapeta/angle without cap



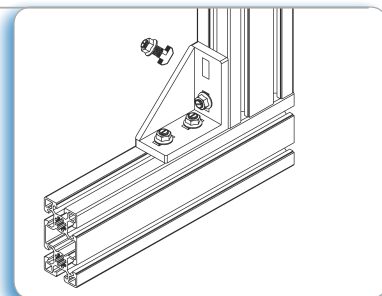
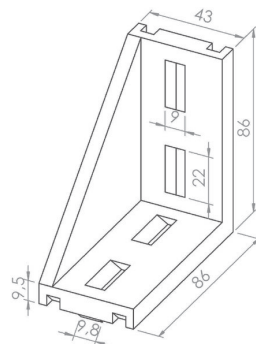
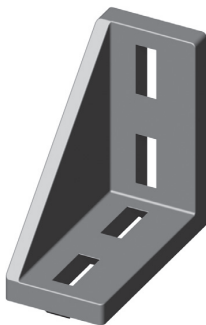
0,052

53302

escuadra con tapeta/angle with cap

0,067

Escuadra 86x86x43 Aluminio fundido
Connection angle 86x86x43 Die-cast aluminium



Aplicación
Para la unión de perfiles a 90°. Las pestañas de posicionamiento pueden ser eliminadas. Se recomienda su fijación mediante tornillo cabeza martillo M8x25.

Application
For right-angled and power-lock connection of profiles. Positioning studs can easily be removed by pressing with a screwdriver. It can be fixed to the profile using hammer head bolts M8x25.



5331

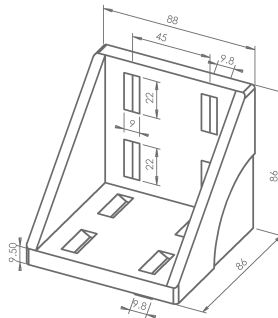
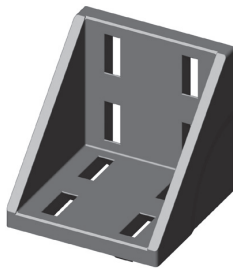


0,153

FASTEN SISTEMAS



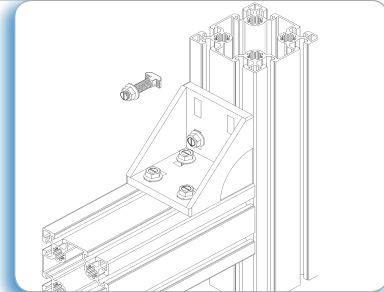
Escuadra 86x86x88 Aluminio fundido Connection angle 86x86x88 Die-cast aluminium



5332



0,307



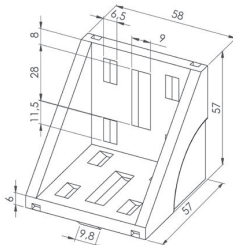
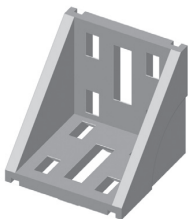
Aplicación

Para la unión de perfiles a 90°. Las pestañas de posicionamiento pueden ser eliminadas. Se recomienda su fijación mediante tornillo cabeza martillo M8x25.

Application

For right-angled and power-lock connection of profiles. Positioning studs can easily be removed by pressing with a screwdriver. It can be fixed to the profile using hammer head bolts M8x25.

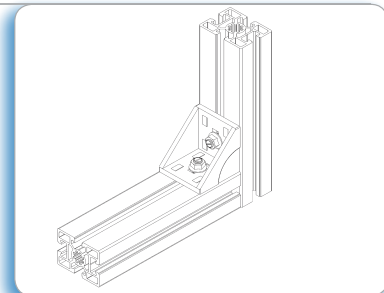
Escuadra 57x57x58 Aluminio fundido Connection angle 57x57x58 Die-cast aluminium



5336



0,115



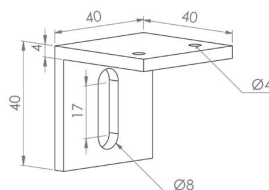
Aplicación

Para la unión de perfiles a 90°. Las pestañas de posicionamiento pueden ser eliminadas presionando sobre ellas con un destornillador.

Application

For right-angled and power-lock connection of profiles. Positioning studs can easily be removed by pressing with a screwdriver.

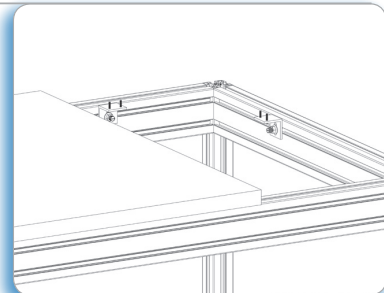
Escuadra soporte tablero Aluminio Dashboard angle Aluminium



53440



0,029



Aplicación

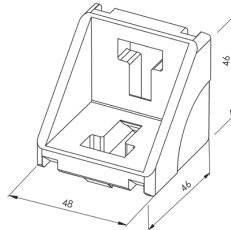
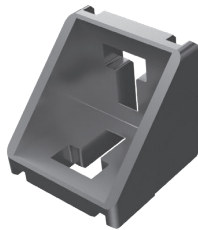
Para la fijación de tableros y paneles en las mesas de trabajo. Permite cambiar fácilmente el tablero.

Application

To fix board on working tables. Board can be easily be removed.



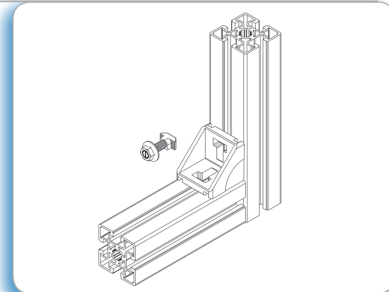
Escuadra 46x46x48 Aluminio fundido
Connection angle 46x46x48 Die-cast aluminium



53305



0,07



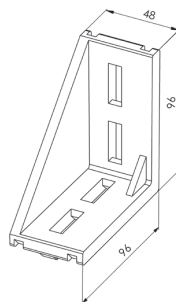
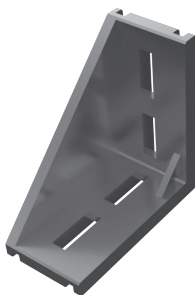
Aplicación

Para la unión de perfiles a 90°. Las pestañas de posicionamiento pueden ser eliminadas. Se recomienda su fijación mediante tornillo cabeza martillo M8x25.

Application

For right-angled and power-lock connection of profiles. Positioning studs can easily be removed by pressing with a screwdriver. It can be fixed to the profile using hammer head bolts M8x25.

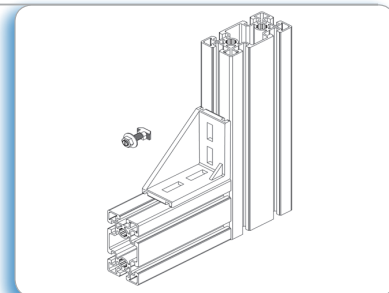
Escuadra 96x96x48 Aluminio fundido
Connection angle 96x96x48 Die-cast aluminium



53306



0,21



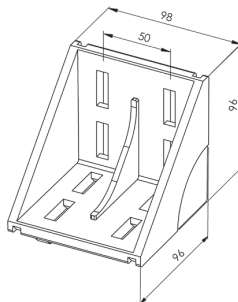
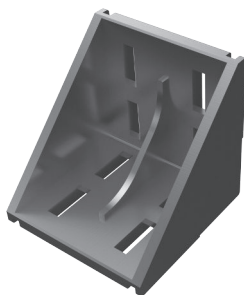
Aplicación

Para la unión de perfiles a 90°. Las pestañas de posicionamiento pueden ser eliminadas. Se recomienda su fijación mediante tornillo cabeza martillo M8x25.

Application

For right-angled and power-lock connection of profiles. Positioning studs can easily be removed by pressing with a screwdriver. It can be fixed to the profile using hammer head bolts M8x25.

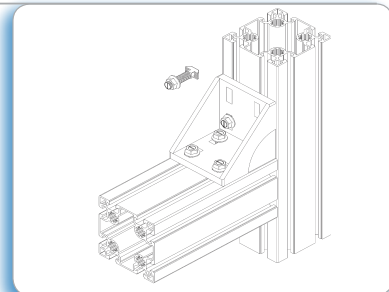
Escuadra 96x96x98 Aluminio fundido
Connection angle 96x96x98 Die-cast aluminium



53307



0,46



Aplicación

Para la unión de perfiles a 90°. Las pestañas de posicionamiento pueden ser eliminadas. Se recomienda su fijación mediante tornillo cabeza martillo M8x25.

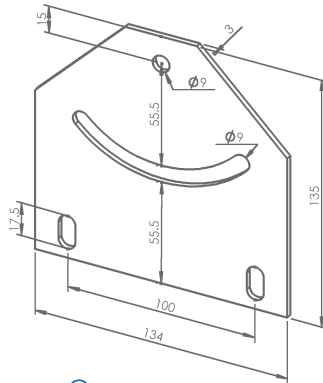
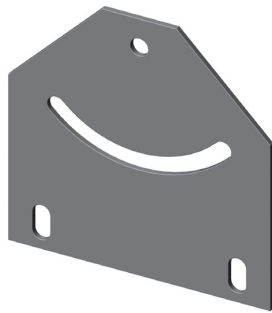
Application

For right-angled and power-lock connection of profiles. Positioning studs can easily be removed by pressing with a screwdriver. It can be fixed to the profile using hammer head bolts M8x25.

FASTEN
SISTEMAS



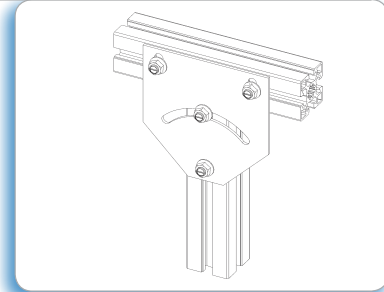
Placa giratoria Acero zincado
Adjustable angle plate Zinc plated steel



5321



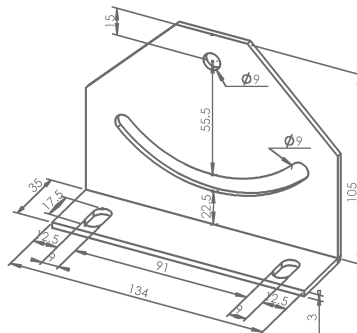
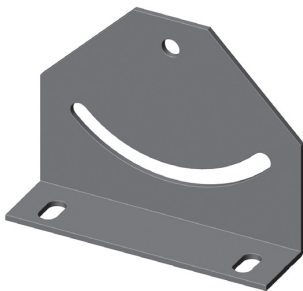
0,342



Aplicación
Permite la unión de los perfiles a distintos ángulos mediante la regulación del tornillo central.

Application
For the dynamic connection of profiles at different angles, adjusting the central bolt.

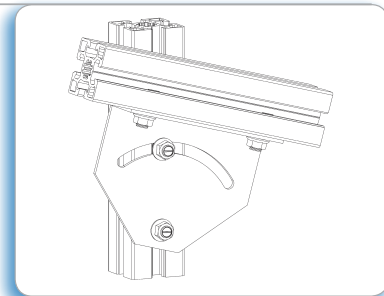
Escuadra giratoria Acero zincado
Adjustable angle bracket Zinc plated steel



5320



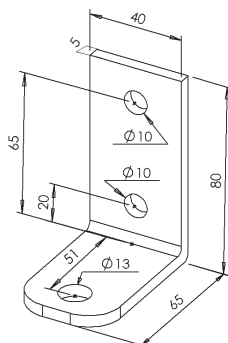
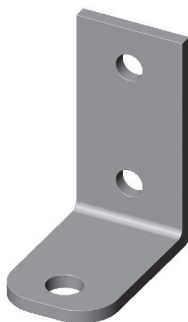
0,348



Aplicación
Permite la unión de los perfiles a distintos ángulos mediante la regulación del tornillo central. De uso en estanterías y bandejas.

Application
For the dynamic connection of profiles at different angles, adjusting the central bolt. For the construction of shelves, trays,...

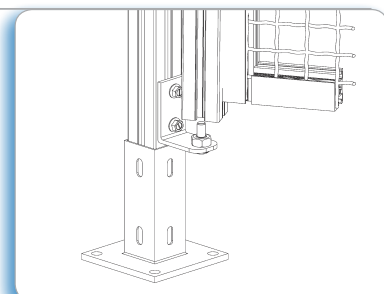
Ángulo de sujeción para marcos de protección Acero zincado
Assembly bracket for protection panels Zinc plated steel



5322



0,203

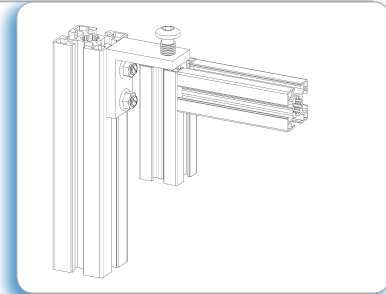
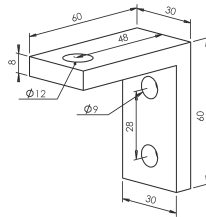


Aplicación
Para la sujeción de los paneles de protección a los soportes verticales anclados al suelo. Requiere 2 tornillos cabeza martillo M8x20 y un pivote guía o un tornillo autorroscante para su fijación.

Application
For fixing protection panels to vertical fencing posts. Assembly requires 2 hammer head bolts and a guiding or socket bolt.



Ángulo de sujeción 60x60x30 Aluminio anodizado
Assembly bracket for protection panels Anodized aluminium



Aplicación
Permite la sujeción de los paneles de protección a los verticales. Requiere 2 tornillos cabeza martillo M8x25 para su fijación y un pivote guía o tornillo autorroscante para la fijación del panel.

Application
For fixing protection panels to vertical fencing posts. Assembly requires 2 hammer head bolts and a socket bolt.

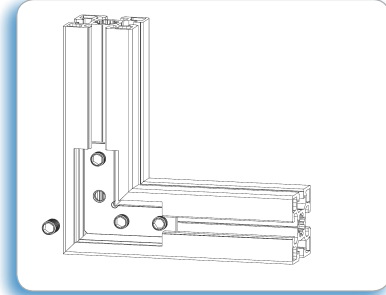
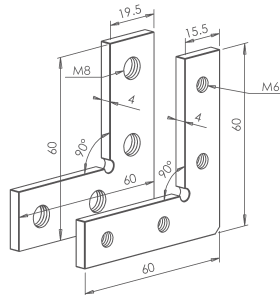
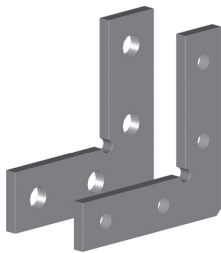


53221



0,066

Escuadra interior 90° Acero zincado
Interior corner bracket 90° Zinc plated steel



Aplicación
Para la unión interior de perfiles a 90°. El montaje requiere perfiles cortados en ángulo de 45°. De uso para montaje de puertas y marcos. El suministro incluye 4 espárragos de fijación.

Application
For the internal right-angled connection of profiles. Assembly requires end profiles cut at an angle of 45°. Used in door and frame assemblies. Standard supply includes 4 fixing screws.



5303



35/45/50/60/90



0,047

5306

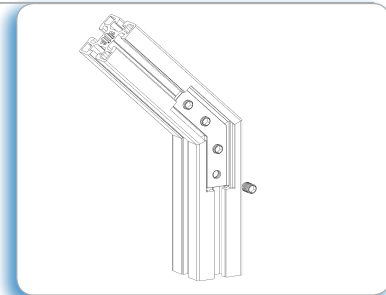
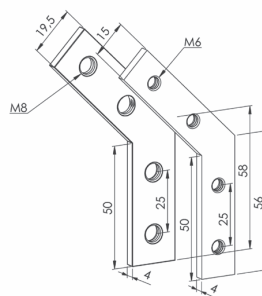
30

5307

40/80

0,054

Escuadra interior 135° Acero zincado
Interior corner bracket 135° Zinc plated steel



Aplicación
Para la unión interior de perfiles a 90° y canal 10 mm. El montaje requiere perfiles cortados en ángulo de 67,5°. El suministro incluye 4 espárragos M8.

Application
For the internal connection of profiles at an angle of 135°. Assembly requires end profiles cut at an angle of 67,5°. Standard supply includes 4 M8 fixing screws.



5304



35/45/50/60/90



0,046

53042

30

53041

40/80

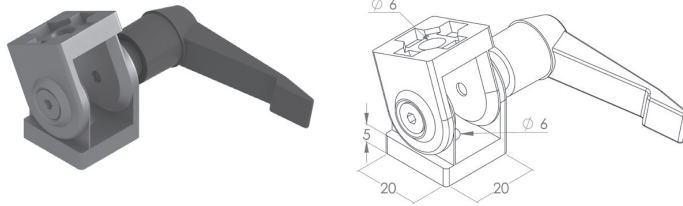
0,058

FASTEN
SISTEMAS



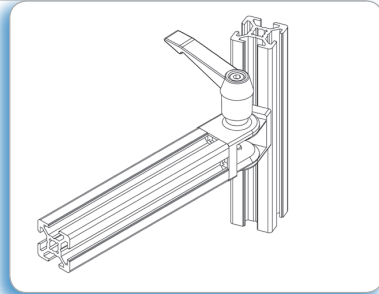
Articulación regulable 20x20 Aluminio
Pivot joint 20x20 with locking lever Aluminium

20



53248

0,052

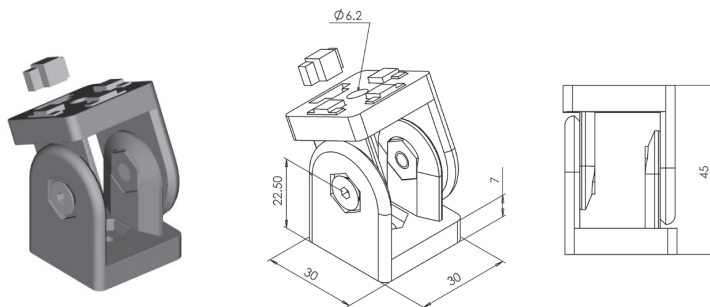


Aplicación
Permite la unión de perfiles en ángulo.
Posibilidad de bloqueo del ángulo mediante la empuñadura graduable.

Application
For connecting profiles at various angles. The angle can be locked turning the locking lever.

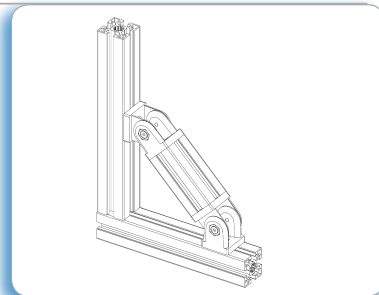
Articulación 30x30 Aluminio
Pivot joint 30x30 Aluminium

30



53243

0,150

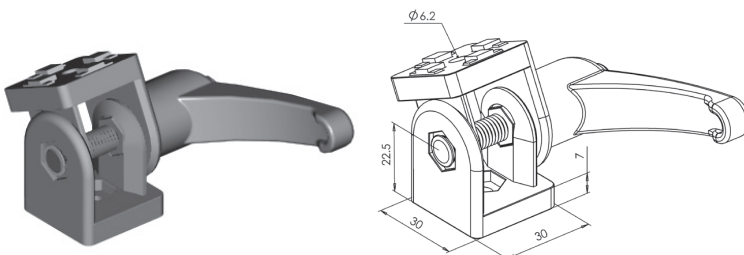


Aplicación
Para la construcción de refuerzos o uniones de perfiles en ángulo.

Application
As reinforcements or for connecting profiles at various angles.

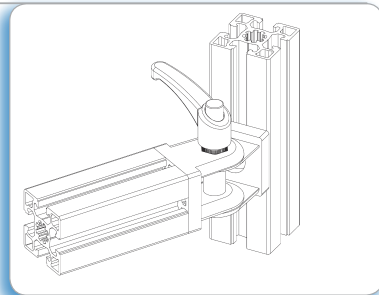
Articulación regulable 30x30 Aluminio
Pivot joint 30x30 with locking lever Aluminium

30



53244

0,159

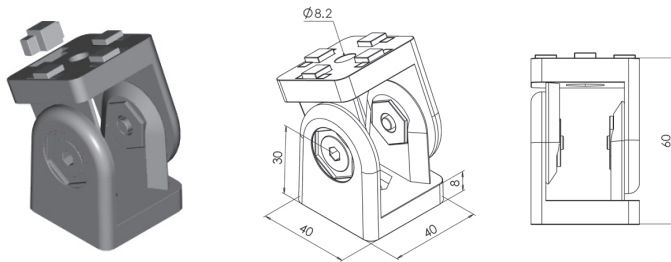


Aplicación
Permite la unión de perfiles en ángulo.
Posibilidad de bloqueo del ángulo mediante la empuñadura graduable.

Application
For connecting profiles at various angles. The angle can be locked turning the locking lever.



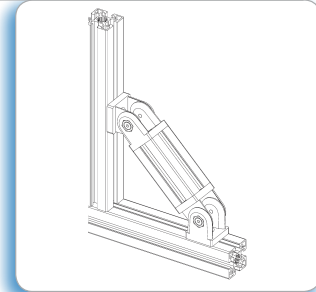
Articulación 40x40 Aluminio
Pivot joint 40x40 Aluminium




53245


0,299

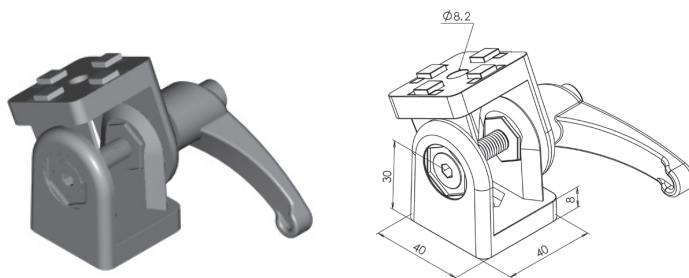




Aplicación
Para la construcción de refuerzos o uniones de perfiles en ángulo.

Application
As reinforcements or for connecting profiles at various angles.

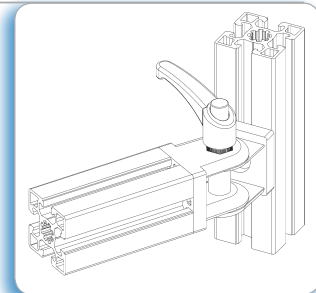
Articulación regulable 40x40 Aluminio
Pivot joint 40x40 with locking lever Aluminium




53246


0,310

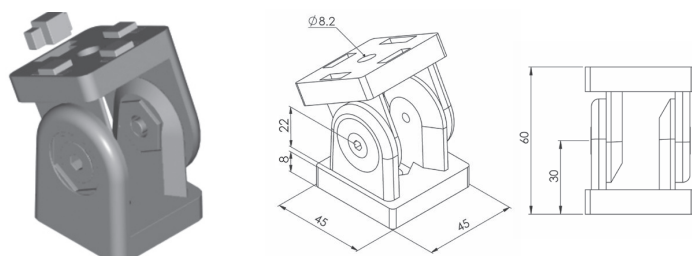




Aplicación
Permite la unión de perfiles en ángulo. Posibilidad de bloqueo del ángulo mediante la empuñadura graduable. Para unir al extremo de perfil, es necesario usar un casquillo reductor M12>M8 Cod. 52918.

Application
For connecting profiles at various angles. The angle can be locked turning the locking lever. A threaded insert M12>M8 Cod. 52918 must be used if assembled to the end of a profile.

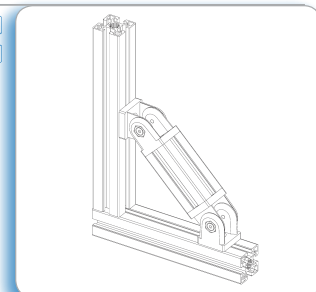
Articulación 45x45 Aluminio
Pivot joint 45x45 Aluminium




53241


0,324



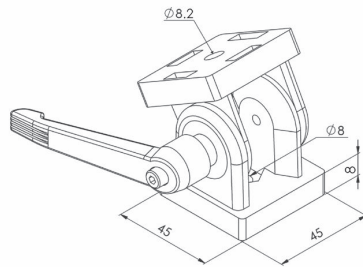
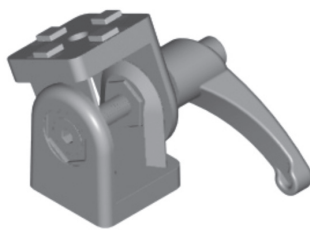


Aplicación
Para la construcción de refuerzos o uniones de perfiles en ángulo. Para unir al extremo de perfil, es necesario usar un casquillo reductor M12>M8 Cod. 52918.

Application
As reinforcements or for connecting profiles at various angles. A threaded insert M12>M8 Cod. 52918 must be used if assembled to the end of a profile.

FASTEN
SISTEMAS

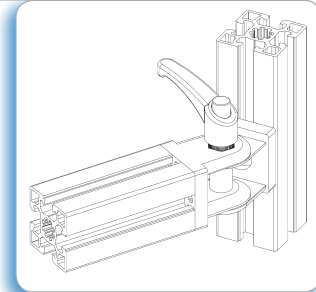
Articulación regulable 45x45 Aluminio
Pivot joint 45x45 with locking lever Aluminium



53242



0,337



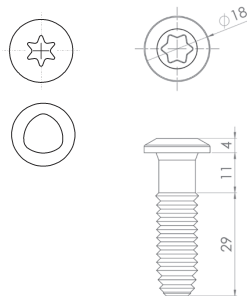
Aplicación

Permite la unión de perfiles en ángulo. Posibilidad de bloqueo del ángulo mediante la empuñadura graduable. Para unir al extremo del perfil, es necesario usar un casquillo reductor M12>M8 Cod. 52918

Application

For connecting profiles at various angles. The angle can be locked turning the locking lever. A threaded insert M12>M8 Cod. 52918 must be used if assembled to the end of a profile.

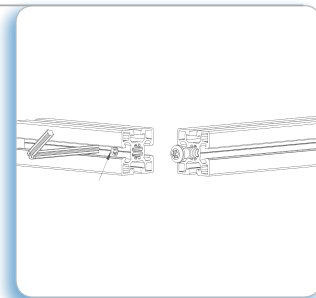
Tornillo trilobular autorroscante TAPTITE® TORX T-50, Acero zincado
Trilobular thread rolling screw TAPTITE® TORX T-50, Zinc plated steel



53619



0,033



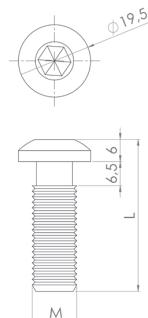
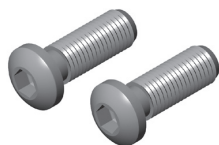
Aplicación

Unión económica de perfiles en perpendicular. Gran facilidad en formación de rosca (no es necesario roscar previamente el núcleo del perfil). Ensamblajes seguros y resistentes.

Application

Economic right-angled profile joint. Low drive torque. Safe and strong assemblies.

Tornillo de unión Acero 8.8 zincado
Socket bolt Zinc plated steel 8.8



536112



M12x40

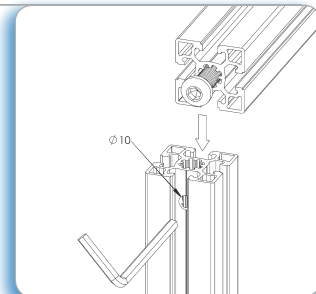


0,035

536114

M14x35

0,039



Aplicación

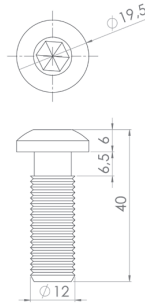
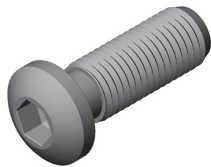
Unión económica de perfiles en perpendicular. El tornillo se rosca directamente en el núcleo central del perfil.

Application

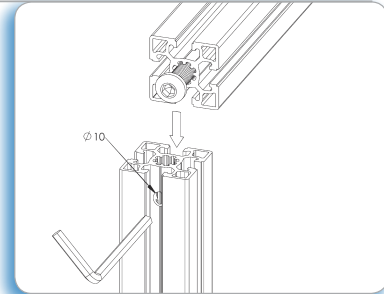
Economic right-angled profile joint. Socket bolt is screwed across the central hole of the profile.



Tornillo de unión Acero inox. A2
Socket bolt Stainless steel, A2



10 mm



Aplicación
Unión económica de perfiles en perpendicular. El tornillo se rosca directamente en el núcleo central del perfil.

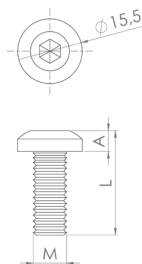
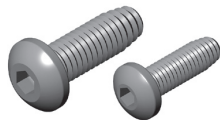
Application
Economic right-angled profile joint. Socket bolt is screwed across the central hole of the profile.

536012

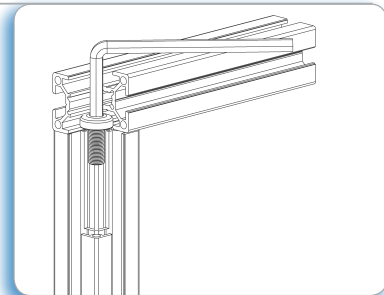
M12x40

0,036

Tornillo autorroscante Acero zincado
Socket bolt Zinc plated steel



20
25
30



Aplicación
Unión económica de perfiles en perpendicular. El tornillo se rosca directamente en el núcleo central del perfil.

Application
Economic right-angled profile joint. Socket bolt is screwed across the central hole of the profile.

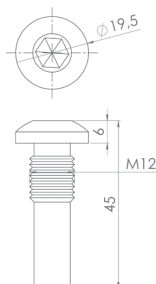
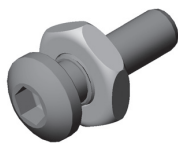


A

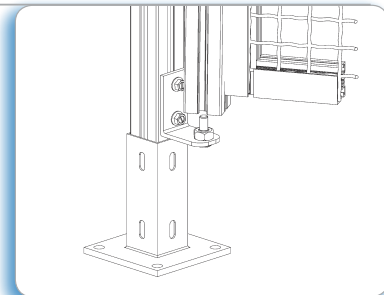


53618	30	M8x25	5 mm	0,012
53616	25	M6x20	3,5 mm	0,005
53615	20	M6x20	3,35 mm.	0,005

Pivote guía para ángulo de sujeción Acero inox. A2
Guiding bolt Stainless steel, A2



10 mm



Aplicación
Para la colocación de los paneles de protección sobre el ángulo de sujeción.

Application
For fixing protection panels on the assembly bracket.

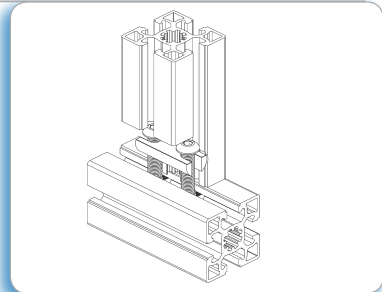
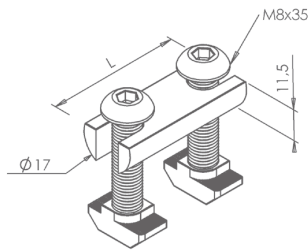
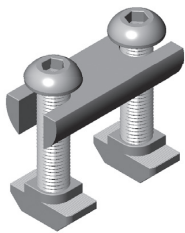
5360

0,337

**FASTEN
SISTEMAS**



Brida de unión Acero zincado
Fastening set Zinc plated steel

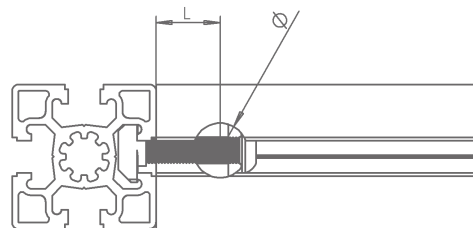


Aplicación
Para la unión de perfiles sometidas a fuertes cargas, movimientos, vibraciones, etc. Transmite las fuerzas de forma simétrica a la vez que impide el giro de los perfiles.

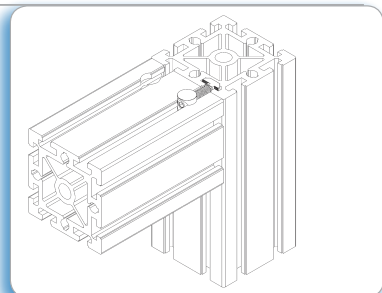
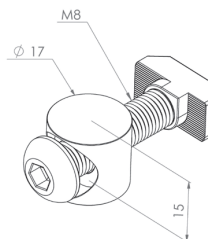
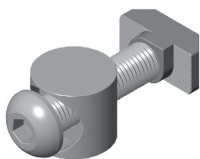
Application
For the right-angled connection of profiles subjected to heavy duty loads, movements, vibrations,... Enables anti-rotation along with symmetric transmission of forces.

5370	45	0,039
53740	40	0,036
53760	60	0,058

40/45/60	20 mm	17 mm



Perno de anclaje Acero zincado
Pin Connector Zinc plated steel

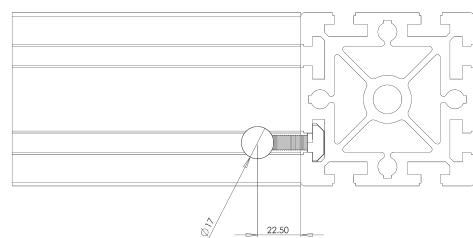


Aplicación
Permite la unión de perfiles en ángulo recto. Especialmente en aquellos perfiles sin núcleo central.

Application
For right-angled and dynamic connection of profiles. Specially in those profiles without central hole.

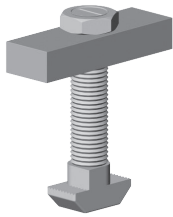
5371	40/45/50/60/80/90	0,033

40/45/50/60/80/90	40/45/50/60/80/90	22,5 mm	17 mm

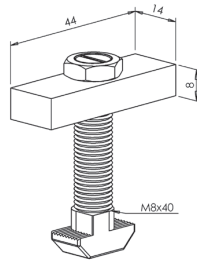




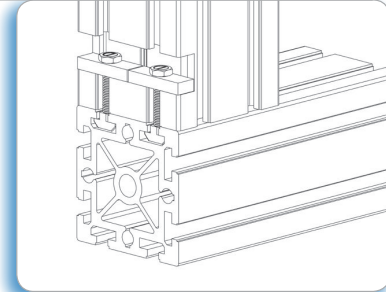
Empalmador transversal Acero zincado
Roller ball Zinc plated steel



5373



0,034



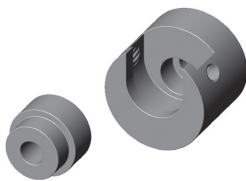
Aplicación

Para uniones firmes de perfiles pesados. Se necesita mecanización del perfil.

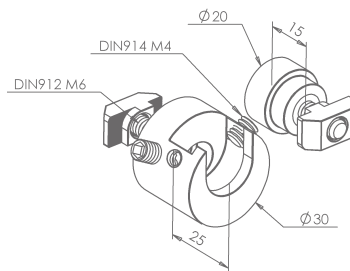
Application

For solid join of strong profiles. Machining is required.

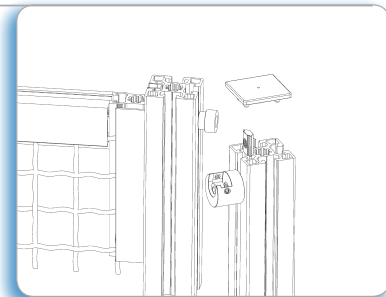
Anclaje para panel desmontable Acero zincado
Detachable panel hanger Zinc plated steel



5211



0,107



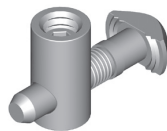
Aplicación

Permite montar y desmontar paneles de protección de forma rápida. El tornillo de seguridad impide que se desmonte de forma involuntaria.

Application

Enables a quick assembly of detachable protection panels. Security screw avoids removing panels unintentionally.

Conector perpendicular, canal 6mm Acero zincado
Perpendicular joint, 6 mm slot Zinc plated steel



535020



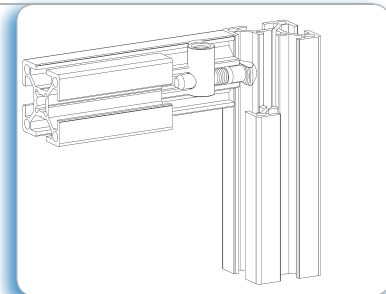
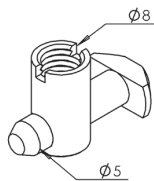
8,1 mm



10,2 mm.



0,007

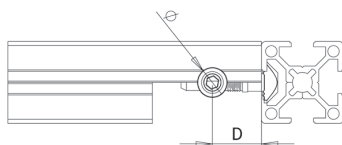


Aplicación

Permite la unión de perfiles en ángulo recto. La orientación del casquillo es perpendicular a la cabeza del martillo del vástago. Posibilidad de inserción desde cualquier parte del perfil mediante giro.

Application

For right-angled and dynamic connection of profiles. Clamping cylinder is oriented perpendicular to the T-head rod. Profiles can be connected sideways at any point of the profile slot.



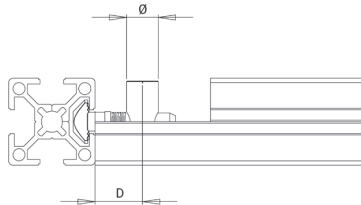
**FASTEN
SISTEMAS**



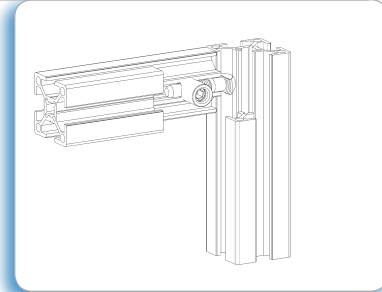
Conector paralelo, canal 6mm Acero zincado
Parallel joint, 6 mm slot Zinc plated steel



535120 Ø 8,1 mm D 10,2 mm. 0,007



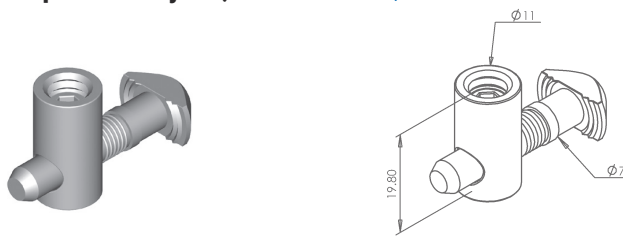
20
25



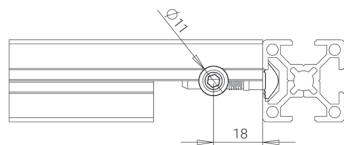
Aplicación
Permite la unión de perfiles en ángulo recto. La orientación del casquillo es paralelo a la cabeza del martillo del vástago. Posibilidad de inserción desde cualquier parte del perfil mediante giro

Application
For right-angled and dynamic connection of profiles. Clamping cylinder is oriented parallel to the T-head rod. Profiles can be connected sideways at any point of the profile slot

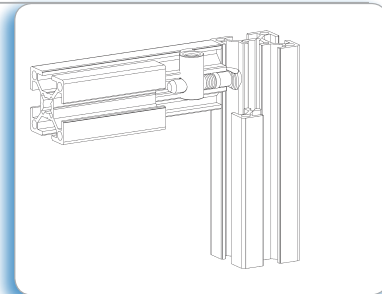
Conector perpendicular, canal 8mm Acero zincado
Perpendicular joint, 8 mm slot Zinc plated steel



535030 Ø 11 mm 0,020



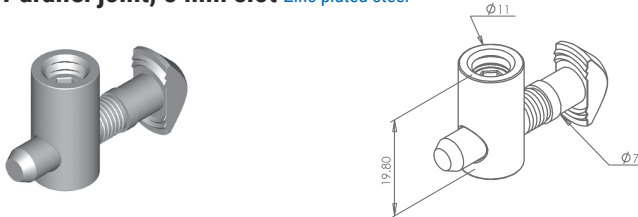
30



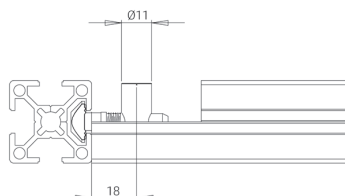
Aplicación
Permite la unión de perfiles en ángulo recto. La orientación del casquillo es perpendicular a la cabeza del martillo del vástago.

Application
For right-angled and dynamic connection of profiles. Clamping cylinder is oriented perpendicular to the T-head rod.

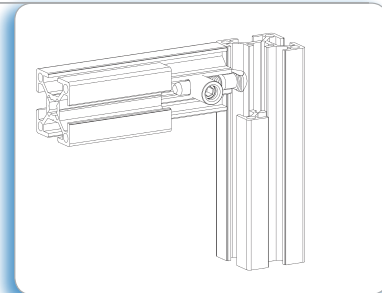
Conector paralelo, canal 8 mm Acero zincado
Parallel joint, 8 mm slot Zinc plated steel



535130 Ø 11 mm 0,020



30

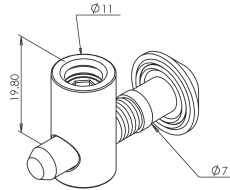
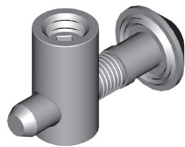


Aplicación
Permite la unión de perfiles en ángulo recto. La orientación del casquillo es paralelo a la cabeza del martillo del vástago. Posibilidad de inserción desde cualquier parte del perfil mediante giro.

Application
For right-angled and dynamic connection of profiles. Clamping cylinder is oriented parallel to the T-head rod. Profiles can be connected sideways at any point of the profile slot.

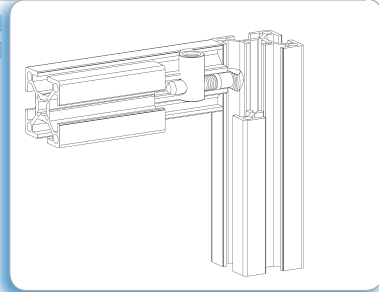
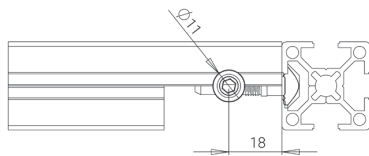


Conector cabeza redonda, canal 8 mm Acero zincado
Round head joint, 8 mm slot Zinc plated steel



535230 \varnothing Taladro / Drill kg

11mm 0,021



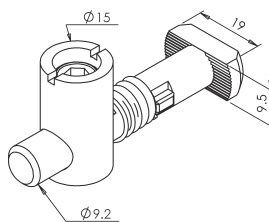
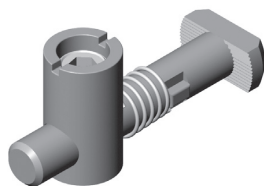
Aplicación

Para la unión de perfiles en ángulo recto. Permite la orientación del casquillo en cualquier posición. Debe ser introducido desde el extremo del perfil.

Application

For right-angled and dynamic connection of profiles. Clamping cylinder can be oriented at any position. It must be inserted from the from of the profile slot.

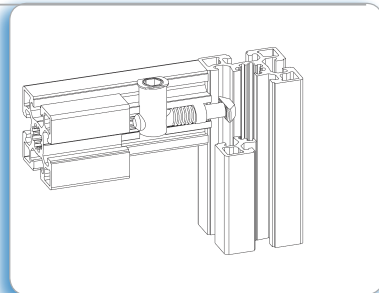
Conector perpendicular, canal 10 mm Acero zincado
Perpendicular joint, 10 mm slot Zinc plated steel



5350 35/40/45/50/60/80/90 kg

0,054

A	B	L	\varnothing
35	35	37 mm	15 mm
40	40	33 mm	15 mm
45	45	33 mm	15 mm

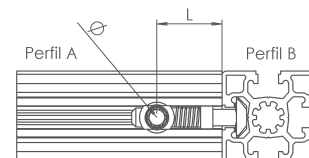


Aplicación

Permite la unión de perfiles en ángulo recto. La orientación del casquillo es perpendicular a la cabeza de martillo del vástago. Posibilidad de inserción desde cualquier parte del perfil mediante giro.

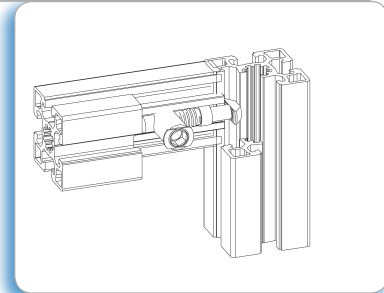
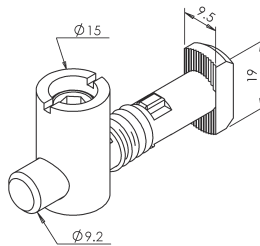
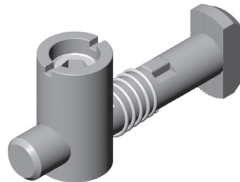
Application

For right-angled and dynamic connection of profiles. Clamping cylinder is oriented perpendicular to the T-head rod. Profiles can be connected sideways at any point of the profile slot.



**FASTEN
SISTEMAS**

Conector paralelo, canal 10 mm Acero zincado
Parallel joint, 10 mm slot Zinc plated steel



Aplicación

Permite la unión de perfiles en ángulo recto. La orientación del casquillo es paralelo a la cabeza de martillo del vástago. Posibilidad de inserción desde cualquier parte del perfil mediante giro.

Application

For right-angled and dynamic connection of profiles. Clamping cylinder is oriented parallel to the T-head rod. Profiles can be connected sideways at any point of the profile slot.



5351

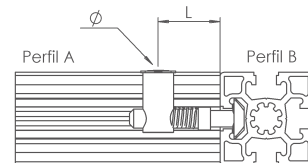


35/40/45/50/60/80/90

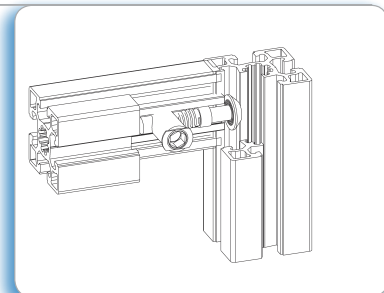
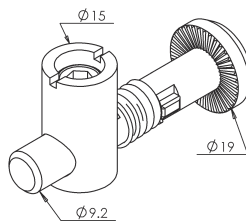
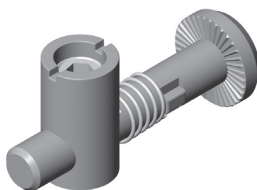


0,054

 A	 B	 L	\varnothing
35	35	37 mm	15 mm
40	40	33 mm	15 mm
45	45	33 mm	15 mm



Conector cabeza redonda, canal 10 mm Acero zincado
Round head joint, 10 mm slot Zinc plated steel



Aplicación

Para la unión de perfiles en ángulo recto. Permite la orientación del casquillo en cualquier posición. Debe ser introducido desde el extremo del perfil.

Application

For right-angled and dynamic connection of profiles. Clamping cylinder can be oriented at any position. It must be inserted from the front of the profile slot.



5352

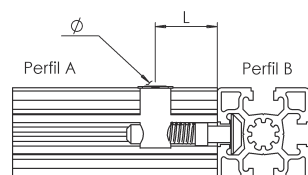


35/40/45/50/60/80/90



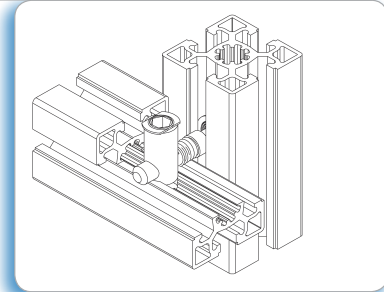
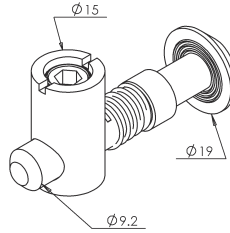
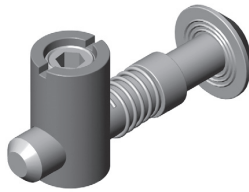
0,056

 A	 B	 L	\varnothing
35	35	37 mm	15 mm
40	40	33 mm	15 mm
45	45	33 mm	15 mm



Conector cabeza redonda corto, canal 10 mm Acero zincado
Round head short joint, 10 mm slot Zinc plated steel

10 mm










Aplicación

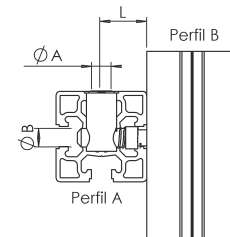
Para la unión frontal de perfiles en cruz, permite la orientación del casquillo en cualquier posición. Debe ser introducido desde el extremo del perfil.

Application

For cross joint of profiles. It must be inserted from the front of the profile slot.

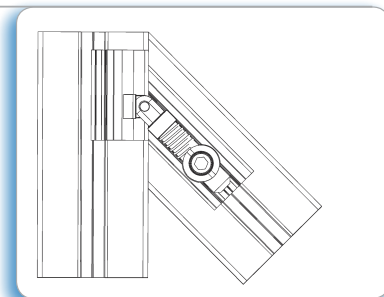
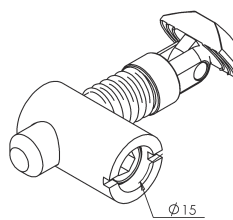
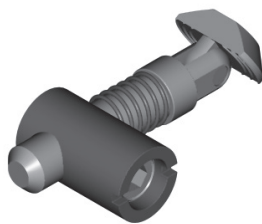
		
535840	40/80	0,048
5358	45/90	0,056

			
40	40/45/50/60/80/90	20 mm	15 mm
45	40/45/50/60/80/90	22,5 mm	15 mm



Conector articulado canal 10 mm Acero zincado
Articulated joint, 10 mm slot Zinc plated steel

10 mm







Aplicación

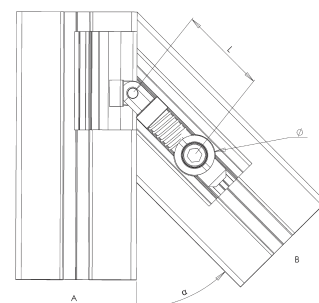
Para la unión de perfiles en ángulo. Posibilidad de inserción desde cualquier parte del perfil mediante giro.

Application

For the dynamic connection of profiles in angle. Profiles can be connected sideways at any point of the profile slot.

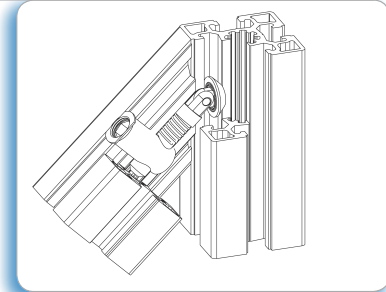
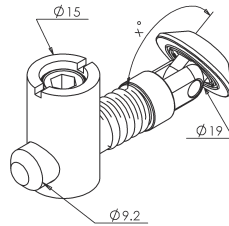
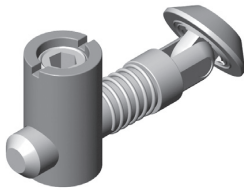
		
53551	35/40/45/50/60/80/90	0,053

		α°		
35	35	45°	39 mm	15 mm
40	40	45°	35 mm	15 mm
45	45	45°	35 mm	15 mm
60	60	45°	35 mm	15 mm



**FASTEN
SISTEMAS**

Conector articulado cabeza redonda, canal 10 mm Acero zincado
Round head articulated joint, 10 mm slot Zinc plated steel



Aplicación

Para la unión de perfiles en ángulo. La orientación del casquillo es paralela al ángulo de giro del conector. Debe ser introducido desde el extremo del perfil.

Application

For the dynamic connection of profiles at an angle of 45°-90°. Clamping cylinder is oriented parallel to the rotation angle. It must be inserted from the front of the profile slot.



5355

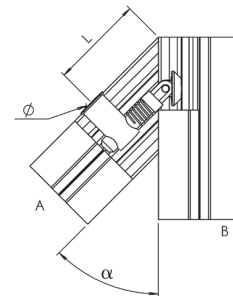


35/40/45/50/60/80/90

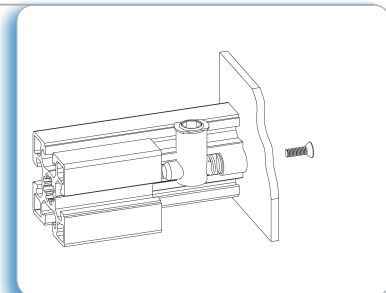
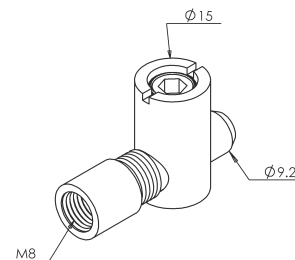
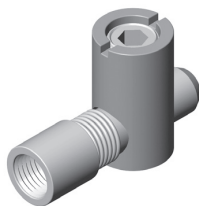


0,058

A	B	α°	L	\emptyset
35	35	45°	59 mm	15 mm
40	40	45°	58 mm	15 mm
45	45	45°	60 mm	15 mm



Conector con rosca M8, canal 10 mm Acero zincado
Internal M8 thread joint, 10 mm slot Zinc plated steel



Aplicación

Permite la unión de perfiles con todo tipo de paneles o superficies. Permite la orientación del casquillo en cualquier posición.

Application

For fixing profiles to any panel or surface. Clamping cylinder can be oriented at any position.



5354

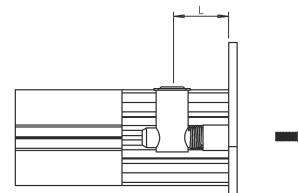


35/40/45/50/60/80/90



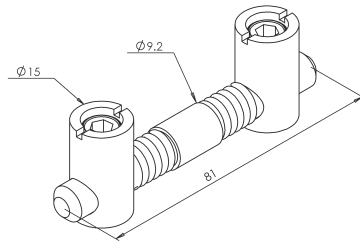
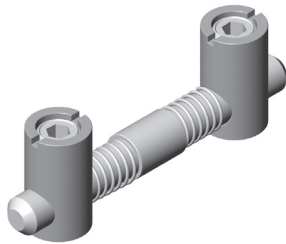
0,040

Profile	L	\emptyset
35/40/45/60/80/90	30 mm	15 mm

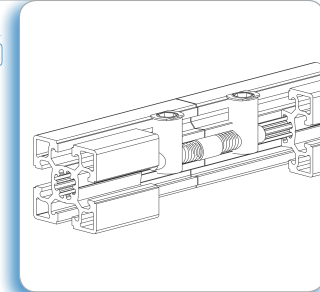




Conector doble, canal 10 mm Acero zincado
Butt joint, 10 mm slot Zinc plated steel









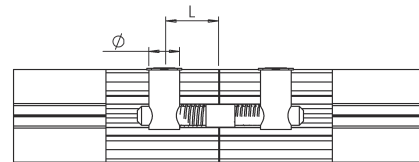
10 mm



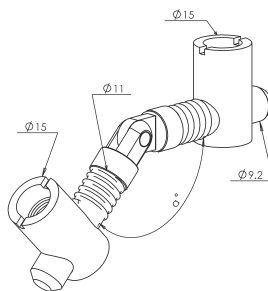
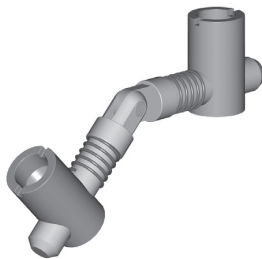
Aplicación
Para la unión de perfiles de forma segura.

Application
For a secure connection of profiles.

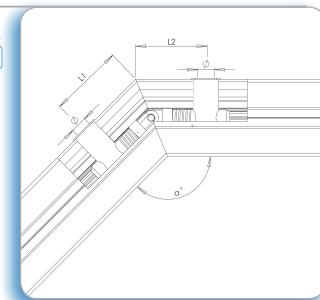
		
5353	35/40/45/50/60/80/90	0,086
		
35/40/45/60/80/90	28 mm	15 mm



Conector doble articulado, canal 10 mm Acero zincado
Articulated butt joint, 10 mm slot Zinc plated steel



10 mm



Aplicación
Para la unión longitudinal segura de perfiles a distintos ángulos.

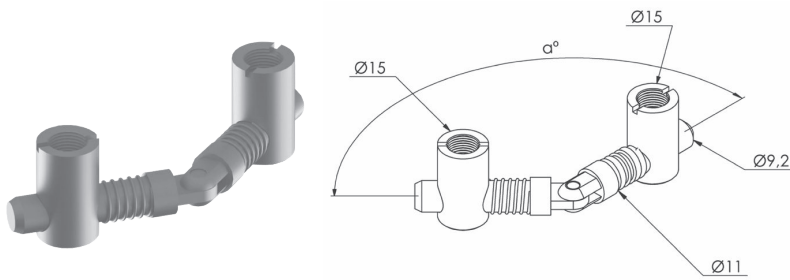
Application
For a secure longitudinal connection of profiles at different angles.

		
5359	35/40/45/50/60/80/90	0,088

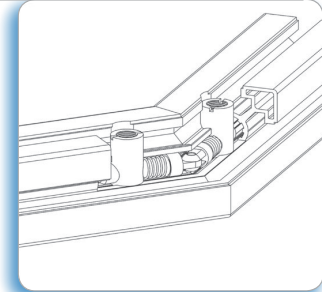
L1	L2	α°	\varnothing
45	45	135	15
43	43	135	15
41	41	135	15

FASTEN
SISTEMAS

Conector 90° lateral, canal 10 mm Acero zincado
Lateral 90° joint, 10 mm slot Zinc plated steel






10 mm

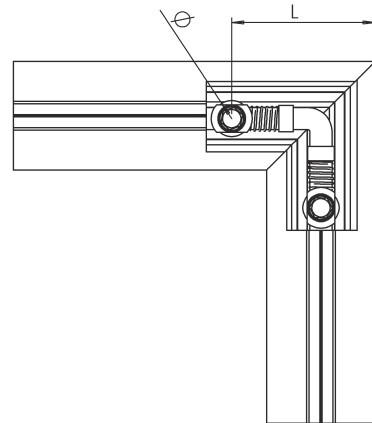


Aplicación
Para la unión de perfiles a 90°. La orientación del casquillo es lateral. De uso para montaje de puertas y marcos.

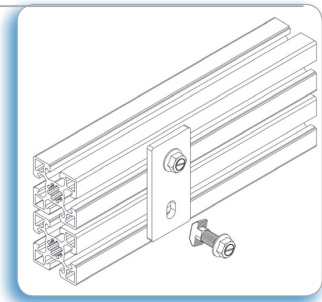
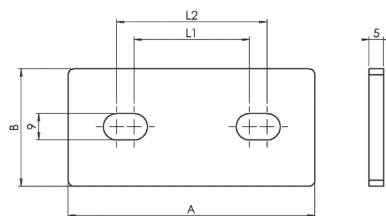
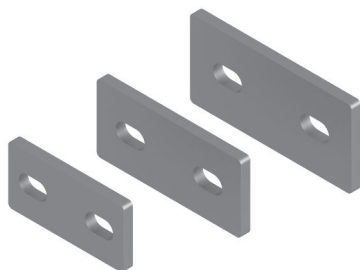
Application
For the right-angled connection of profiles. Clamping cylinder is oriented sideways.

		
5356	35/40/45/50/60/80/90	0,088

		
45	60	15 mm
40	59	15 mm
35	56	15 mm






Pletina de unión Acero zincado
Joint plate Zinc plated steel



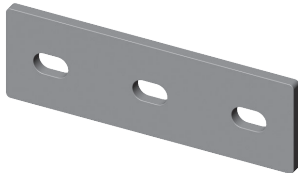
Aplicación
Para la unión de perfiles en paralelo. Tornillería no incluida.

Application
For a parallel joint of profiles. Screws not included.

		A	B	L1	L2	
5323	45	84	40	39	51	0,13
53231	40	75	35	34	46	0,11
53233	30	60	30	29	41	0,061



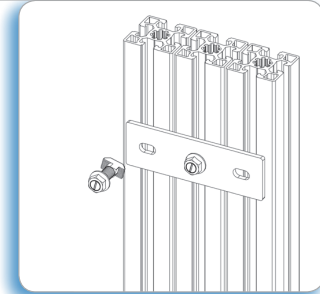
Pletina de unión triple Acero zincado
3 profiles Join plate Zinc plated steel



53232



0,180



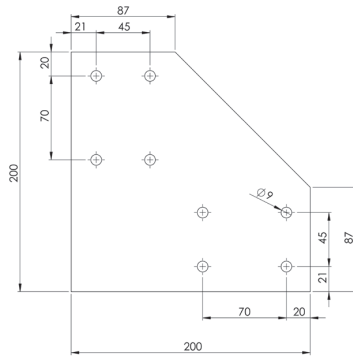
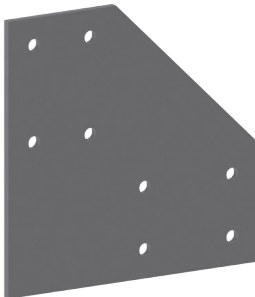
Aplicación

Para la unión de 3 perfiles en paralelo.
Tornillería no incluida

Application

For a parallel joint of 3 profiles.
Screws not included

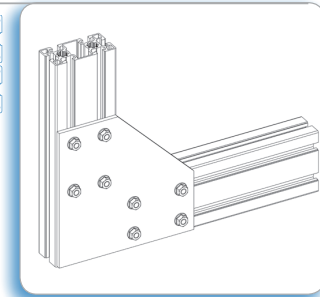
Placa de refuerzo Acero zincado
Reinforcement plate Zinc plated



53250



1,030



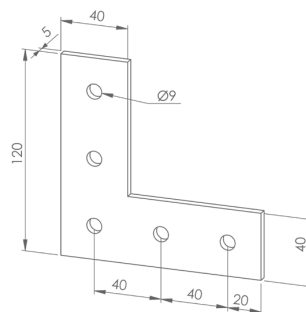
Aplicación

Para reforzar las uniones críticas entre perfiles.
Se puede realizar con posterioridad a la unión
de los perfiles. Espesor de 4 mm.
Tornillería no incluida.

Application

Suitable for the reinforcement of critical joints
between profiles. Assembly can be made after
fixing the profiles. 4 mm thickness.
Screws not included.

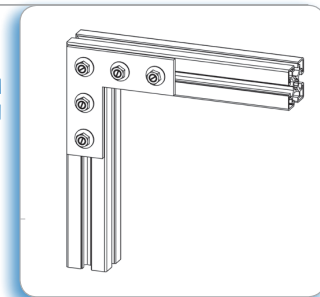
Pletina refuerzo 90° Acero zincado
Reinforcement plate 90° Zinc plated



53234



0,3



Aplicación

Para reforzar la unión entre perfiles sometidos a
grandes cargas.

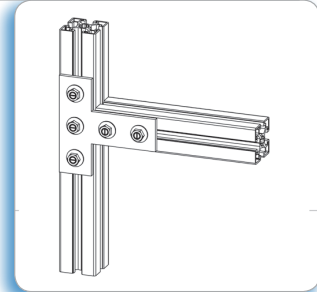
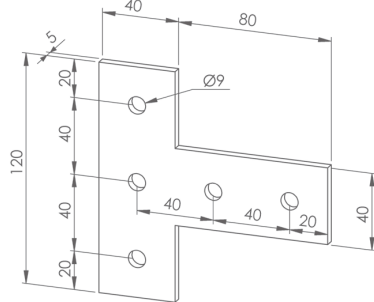
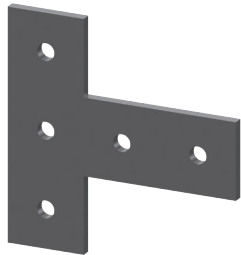
Application

For the reinforcement of profile joints with heavy
loads.

FASTEN
SISTEMAS



Pletina refuerzo en T Acero zincado
Reinforcement plate T Zinc plated



Aplicación
Para reforzar la unión entre perfiles sometidos a grandes cargas.

Application
For the reinforcement of profile joints with heavy loads.

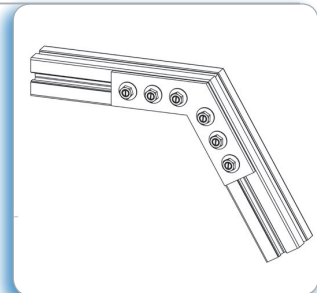
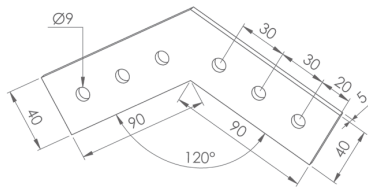
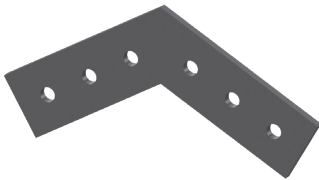


53235



0,3

Pletina refuerzo en ángulo Acero zincado
Reinforcement angle plate Zinc plated



Aplicación
Para reforzar la unión entre perfiles sometidos a grandes cargas.

Application
For the reinforcement of profile joints with heavy loads.



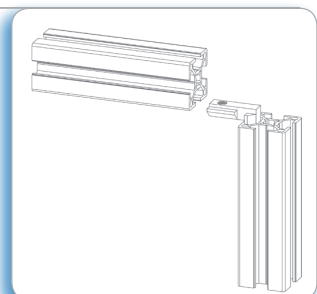
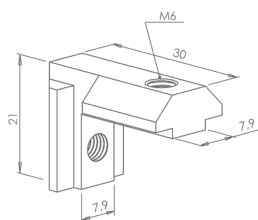
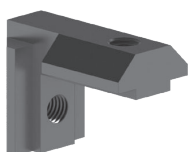
53236



0,3

Otros ángulos consultar
Other angles upon request

Angulo interno (interior-interior) Inyección de zinc
Internal Angle (interior-interior) Die-cast zinc



Aplicación
Para la unión de perfiles en ángulo recto. Permite panelar. No necesita mecanización. Espárragos M6 incluidos.

Application
For right-angled connection of profiles. Panels can be inserted in the slot. No machining needed. Screws M6 included.



537730



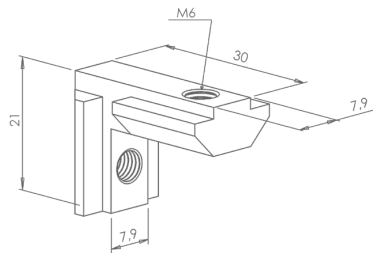
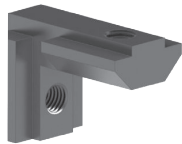
M6



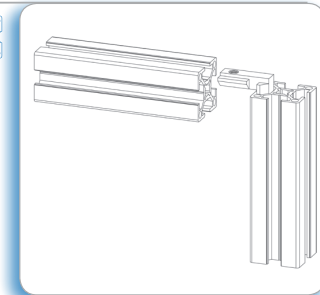
0,023



Angulo interno (interior-exterior) Inyección de zinc
Internal Angle (interior-exterior) Die-cast zinc



30



Aplicación

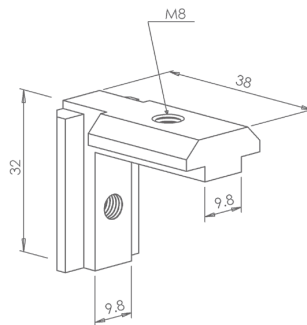
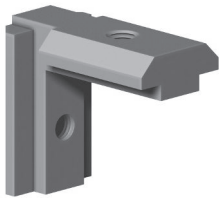
Para la unión de perfiles en ángulo recto. Permite panelar. No necesita mecanización. Espárragos M6 incluidos.

Application

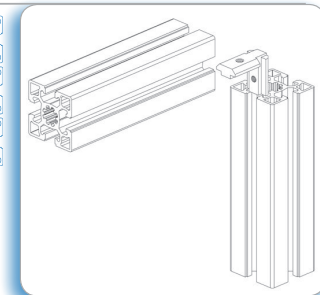
For right-angled connection of profiles. Profiles can be inserted in the slot. No machining needed. Screws M6 included.



Angulo interno (interior-interior) Inyección de zinc
Internal Angle (interior-interior) Die-cast zinc



40
45
60



Aplicación

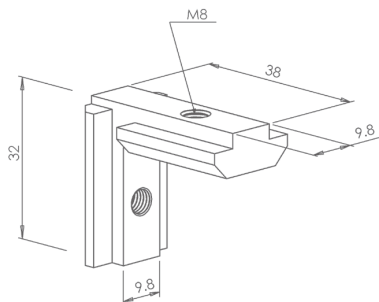
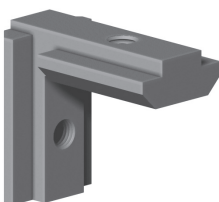
Para la unión de perfiles en ángulo recto. Permite panelar. No necesita mecanización. Espárragos M8 incluidos.

Application

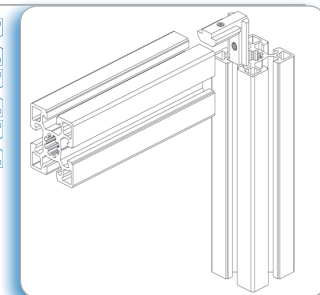
For right-angled connection of profiles. Panels can be inserted in the slot. No machining needed. Screws M8 included.



Angulo interno (interior-exterior) Inyección de zinc
Internal Angle (interior-exterior) Die-cast zinc



40
45
60



Aplicación

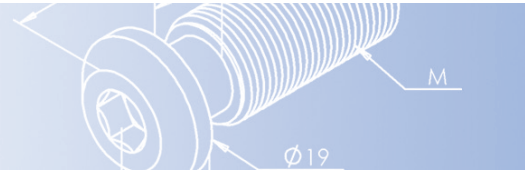
Para la unión de perfiles en ángulo recto. Permite panelar. No necesita mecanización. Espárragos M8 incluidos.

Application

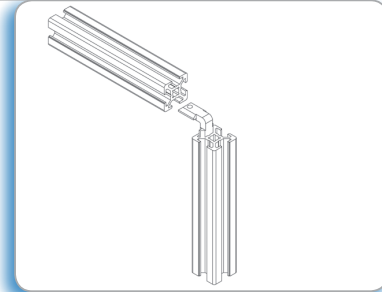
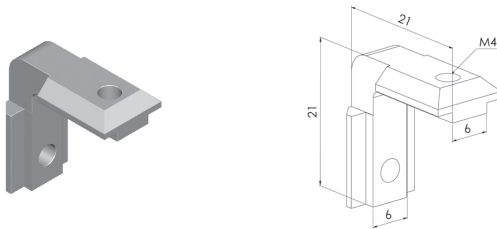
For right-angled connection of profiles. Panels can be inserted in the slot. No machining needed. Screws M8 included.



**FASTEN
SISTEMAS**



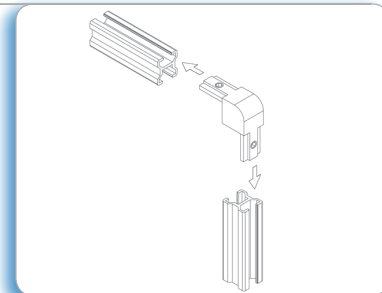
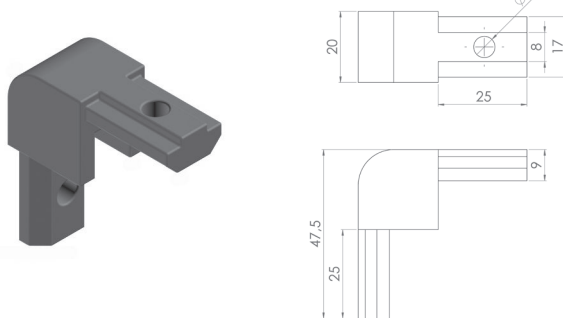
Ángulo interno (interior-interior) Inyección de zinc
Internal angle Die-cast zinc



Aplicación
Para la unión de perfiles en ángulo recto.
No necesita mecanización. Espárragos M4
incluidos.

Application
For right-angled connection of profiles.
No machining needed. Screws M4 included.

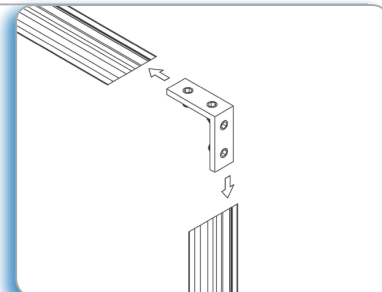
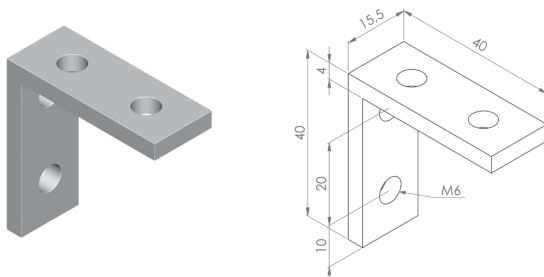
Ángulo de unión perfil marco 20x22,5 Poliamida reforzada
Assembly bracket frame profile 20x22,5 Fibreglass reinforced nylon



Aplicación
Para la unión de perfiles marco 20x22,5
cod.50946. Para su montaje, el perfil debe ser
cortado en ángulo recto.

Application
Used for the assembly of frame profiles 20x22,5
cod. 50946. Profiles must be cut at a right
angle.

Escuadra de unión perfil marco 20x22,5 Aluminio anodizado
Connection angle frame profile 20x22,5 Anodized aluminium

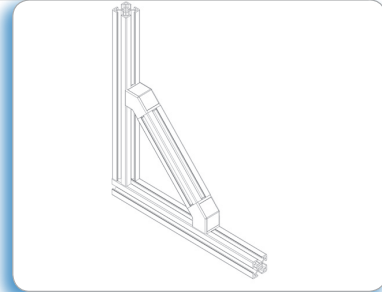
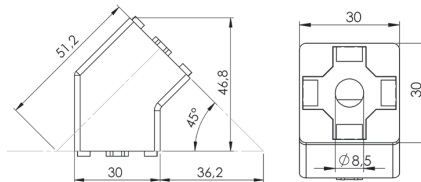


Aplicación
Para la unión de perfiles marco 20x22,5
cod.50946. Para su montaje, el perfil debe ser
cortado en ángulo de 45°.

Application
Used for the assembly of 20x22,5 frame profiles
cod. 50946. Profiles must be cut at 45° angle.



Empalmador 45° 30x30 Inyección de zinc
Connector angle 45° 30x30 Die-cast zinc



Aplicación
Para unir dos perfiles de aluminio a 45°.
Incluye tapeta

Application
To connect two aluminium profiles at 45°.
Cover included

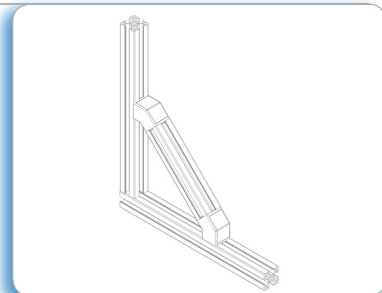
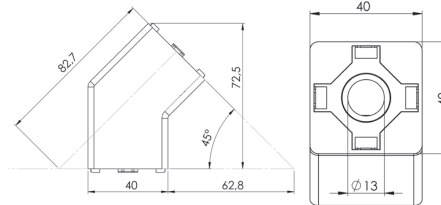


5376



0,045

Empalmador 45° 40x40 Inyección de zinc
Connector angle 45° 40x40 Die-cast zinc



Aplicación
Para unir dos perfiles de aluminio a 45°.
Incluye tapeta

Application
To connect two aluminium profiles at 45°.
Cover included

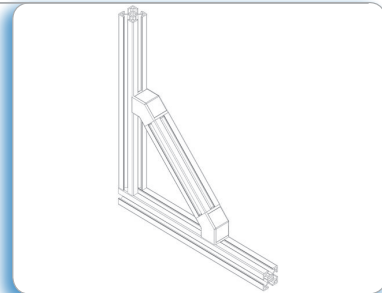
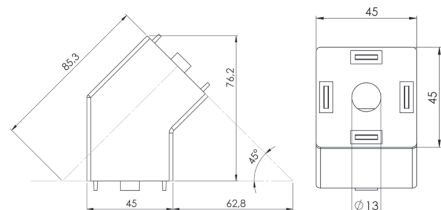


5375



0,12

Empalmador 45° 45x45 Inyección de zinc
Connector angle 45° 45x45 Die-cast zinc



Aplicación
Para unir dos perfiles de aluminio a 45°.
Incluye tapeta

Application
To connect two aluminium profiles at 45°.
Cover included

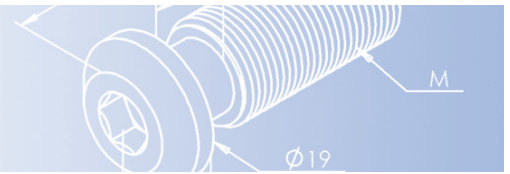


5374



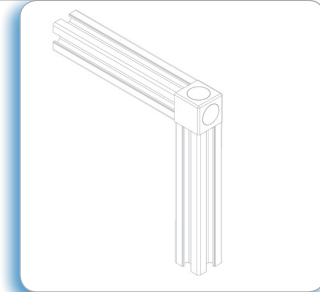
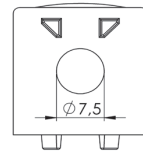
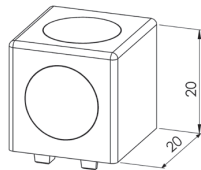
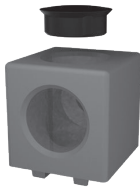
0,15

FASTEN
SISTEMAS



Unión cubo 2 salidas Inyección de zinc
Joining cube 2 exits Die-cast zinc

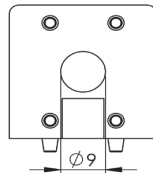
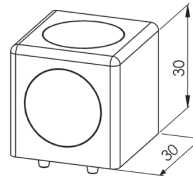
20x20



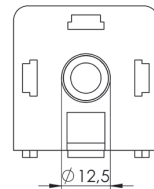
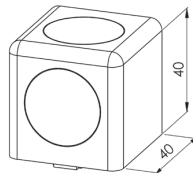
Aplicación
Para unir dos perfiles en angulo recto. Tapas y tornillos de unión incluidos.

Application
To connect two aluminium profiles at right angles. Caps and screws included.

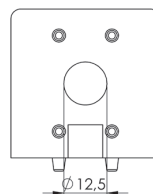
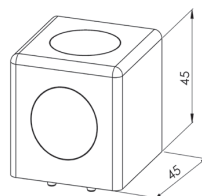
30x30






40x40



45x45

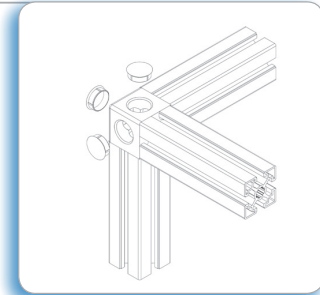
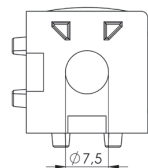
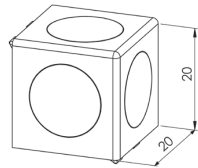
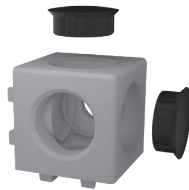


		
5394	20x20	0,03
5393	30x30	0,05
5392	40x40	0,09
5391	45x45	0,15



Unión cubo 3 salidas Inyección de zinc
Joining cube 3 exits Die-cast zinc

20x20



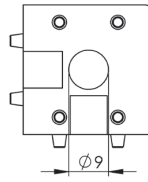
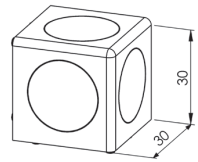
Aplicación

Para unir tres perfiles en ángulo recto. Tapas y tornillos de unión incluidos

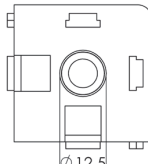
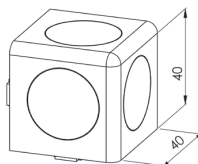
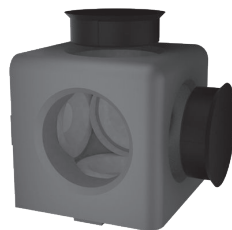
Application

To connect three aluminium profiles at right angles. Caps and screws included.

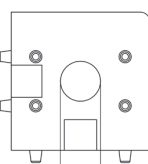
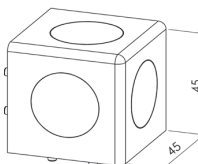
30x30






40x40

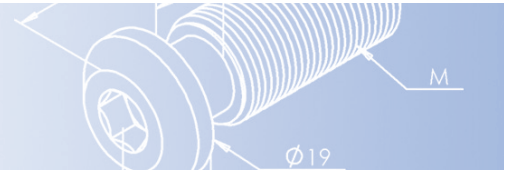


45x45

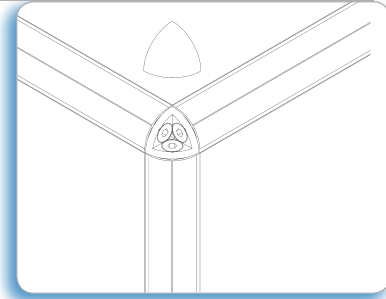
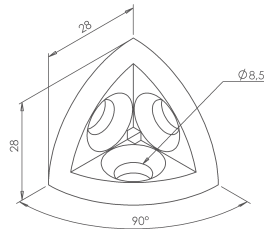
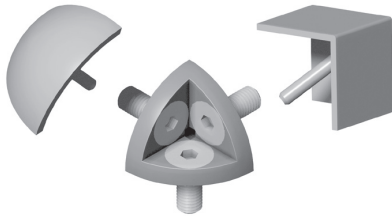


		
5384	20x20	0,03
5383	30x30	0,05
5382	40x40	0,09
5381	45x45	0,15

FASTEN
SISTEMAS



Ángulo de triple unión, perfil 30 Inyección de zinc
Triple connection angle, profile 30 Die-cast zinc



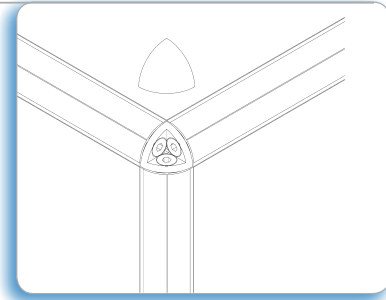
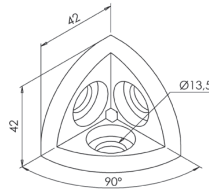
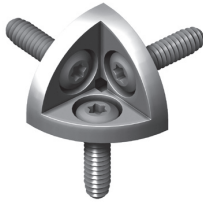
Aplicación
Para la unión de 3 perfiles en ángulo recto.
El suministro incluye 3 tornillos de fijación.

Application
For the right-angled connection of 3 profiles.
Standard supply includes 3 fixing screws.

ÁNGULO/ANGLE		Kg
5337		0,040

TAPETA/END COVER		Kg
55013	redonda/round	0,003
55016	cuadrada/square	0,005

Ángulo de triple unión, perfil 45 Inyección de zinc
Triple connection angle, profile 45 Die-cast zinc



Aplicación
Para la unión de 3 perfiles en ángulo recto.
El suministro incluye 3 tornillos de fijación autorroscantes.

Application
For right-angled connection of 3 profiles.
Standard Suply includes 3 fixing self-tapping screws.

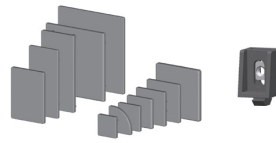
ÁNGULO/ANGLE		Kg
5338		0,137

TAPETA/END COVER		Kg
55015	redonda/round	0,014
55018	cuadrada/square	0,024

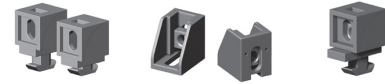
ELEMENTOS DE MONTAJE

ASSEMBLY ELEMENTS

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página/page 58



página/page 59



página/page 60



página/page 61



página/page 62



página/page 63



página/page 64



página/page 65



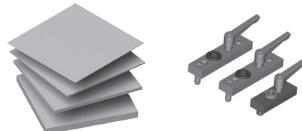
página/page 66



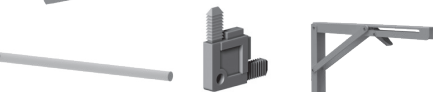
página/page 67



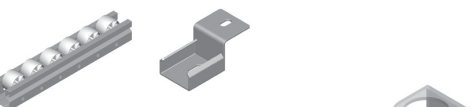
página/page 68



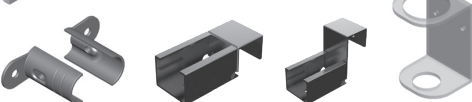
página/page 69



página/page 70



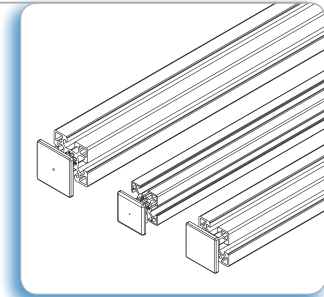
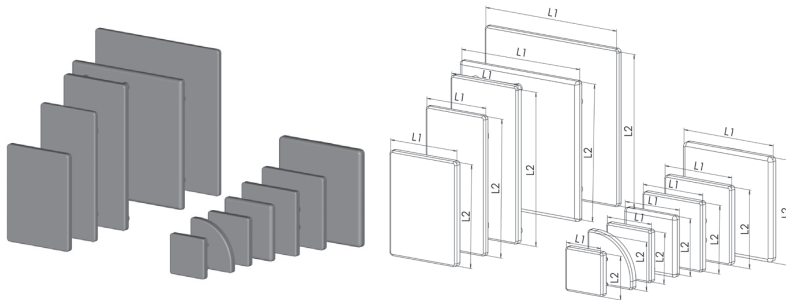
página/page 71-72



FASTEN SISTEMAS

Tapetas Poliamida, color negro

End covers Fibreglass reinforced nylon, black



Aplicación
Para cubrir el extremo de los perfiles de aluminio.

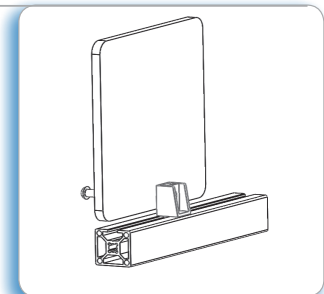
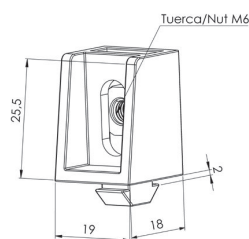
Application
To cover the end of aluminium profiles.

Barcode	Icon	kg	Barcode	Icon	kg
55019	20x20	0,002	5502	45x90	0,012
55025	20x40	0,004	55022	45x135	0,02
5509	25x25	0,003	55023	45x180	0,024
5508	30x30	0,003	55024	45x45°	0,09
55010	MC-30	0,003	55014	MC-45	0,006
5504	35x35	0,004	55020	50x50	0,009
5507	40x40	0,006	55028	50x100	0,014
55011	40x80	0,019	5505	60x60	0,006
55026	40x120	0,02	55012	80x80	0,035
55031	MC-40	0,006	5503	90x90	0,044
5501	45x45	0,011	55029	100x100	0,055
5506	45x60	0,009			

Barcode	Icon	kg
55027	P. Transportador 100	0,019
55034	P. Barandilla	0,006
55032	P. Guía transportador	0,004
55033	P. Corredera 45x30	0,006
55035	P. Perimetral protecciones	0,005

Bloque de fijación de paneles Poliamida, color negro

Panel fixing block Fibreglass reinforced nylon, black



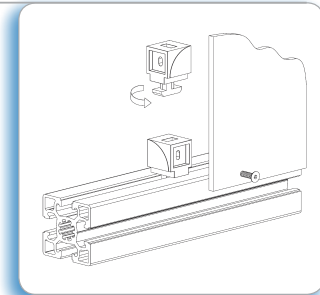
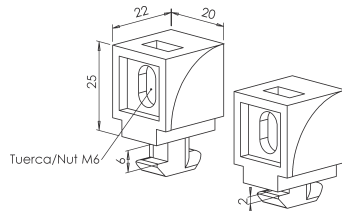
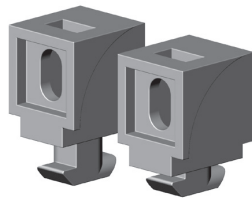
Aplicación
Para fijar paneles a los perfiles de aluminio. De uso en perfiles de canal 8 mm.

Application
For attaching panels to profiles with 8 mm slot.

Barcode	kg
551330	0,007



Bloque de fijación de paneles Poliamida, color negro
Panel fixing block Fibreglass reinforced nylon, black

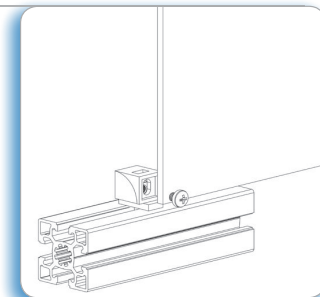
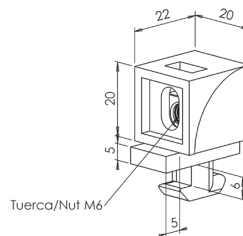
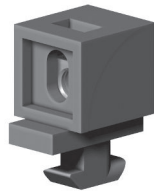


Aplicación
Para fijar paneles a los perfiles de aluminio;
permite dos posiciones de fijación. De uso en
perfiles de canal 10 mm. Tornillería no incluida.

Application
For attaching panels to profiles with 10 mm slot.
The block allows two fixing positions. Screws
not included.

		
5513	canal 10 mm	0,013
551335	35	0,013

Bloque de panelar con pestaña Poliamida, color negro
Panel fixing block with stud Fibreglass reinforced nylon, black

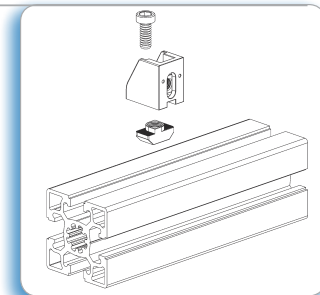
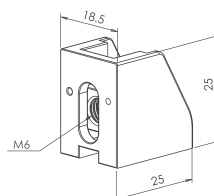
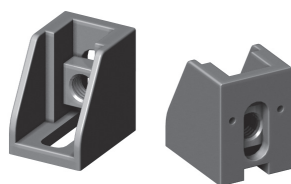


Aplicación
Para fijar paneles a los perfiles de aluminio.
El panel asienta sobre la pestaña. De uso en
perfiles de canal 10 mm. Tornillería no incluida.

Application
For attaching panel to aluminium profiles with
10 mm slot. Panel lays on the stud. Screws not
included.

		
55131	canal 10 mm	0,013

Bloque de fijación de paneles Universal Poliamida, color negro
Panel fixing block Fibreglass reinforced nylon, black



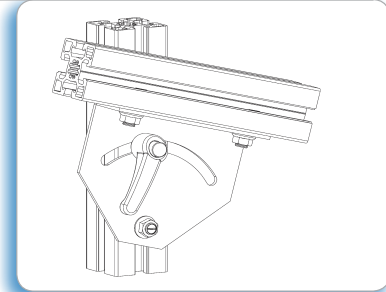
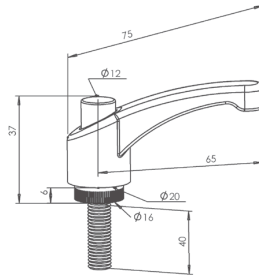
Aplicación
Para fijar paneles a los perfiles de aluminio.
De uso en perfiles de canales 8 mm y 10 mm.
Tornillería no incluida.

Application
For attaching panels to profiles with 8 mm and
10 mm slot. Screws not included.

	
55132	0,009




FASTEN SISTEMAS

Empuñadura graduable Poliamida, color negro Clamping handle Fibreglass reinforced nylon, black

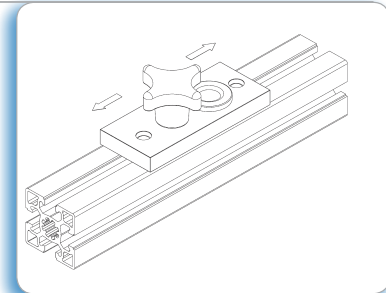
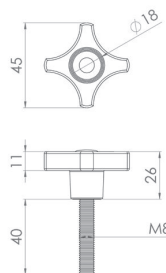
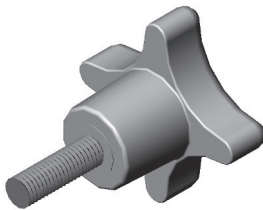


Aplicación
Permite graduar el ángulo de los elementos que fija.

Application
For angle adjustment of accessories fixed.

		
5530	M8x40	0,035
5538	int. M8x15	0,020

Mando 4 picos Poliamida, color negro Star knob Fibreglass reinforced nylon, black

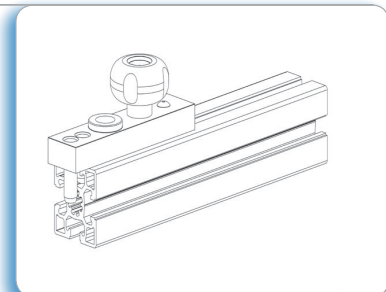
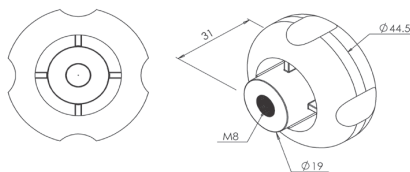
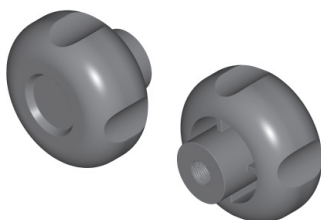


Aplicación
Permite graduar la posición de los elementos que fija.

Application
Used to graduate the position of accessories.

		
5520	M8	0,033

Mando estrella, Poliamida, color negro Round knob estrella, Fibreglass reinforced nylon, black



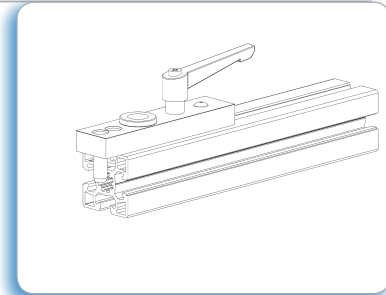
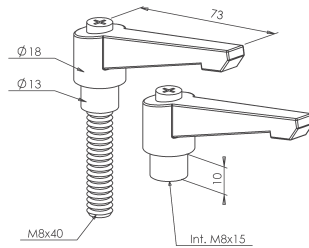
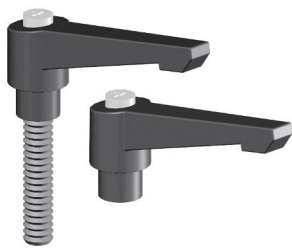
Aplicación
Permite graduar la posición de los elementos que fija.

Application
Used to graduate the position of accessories.

		
5521	M8	0,024



Empuñadura graduable Inyección de zinc
Clamping handle Die-cast zinc

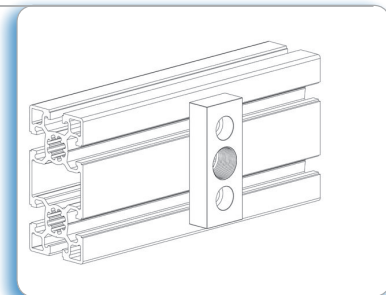
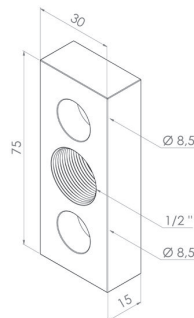
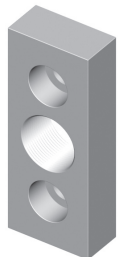


Aplicación
Permite regular el ángulo de los elementos que fija.

Application
For angle adjustment of accessories fixed.

Barcode	Part	Weight (kg)
5536	M8x40	0,088
5537	int. M8x15	0.069

Toma de aire Aluminio
Pneumatic plug Aluminium

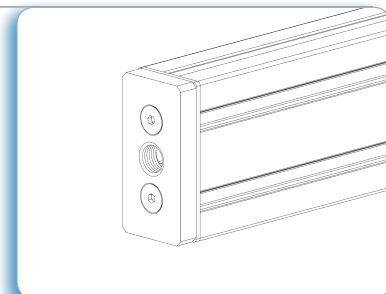
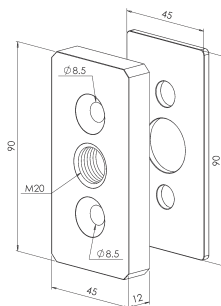
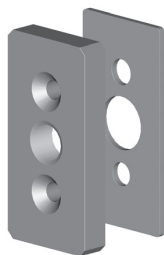


Aplicación
Para la toma de aire comprimido a través del perfil de aluminio.

Application
For compressed air intake through the aluminium profile.

Barcode	Max. Pres.	Weight (kg)
5532	8 bars.	0,066

Tapa de aire Aluminio
Pneumatic end plate Aluminium



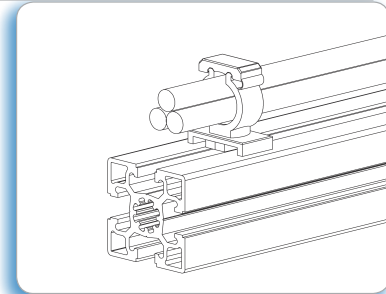
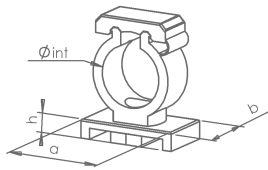
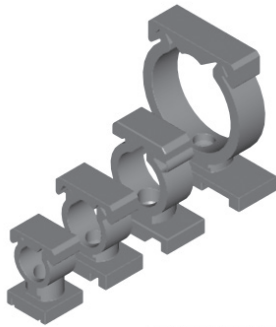
Aplicación
Para el cierre estanco del extremo de los perfiles que transportan aire comprimido. El suministro incluye junta de goma. Casquillos reductores cod.52918 no incluidos.

Application
For the lateral sealing of profiles carrying compressed air. Standard supply includes a rubber seal. Threaded inserts not included.

Barcode	Max. Pres.	Weight (kg)
5533	8 bars.	0,092







FASTEN SISTEMAS

Abrazadera clip Nylon Closed pipe clip Nylon

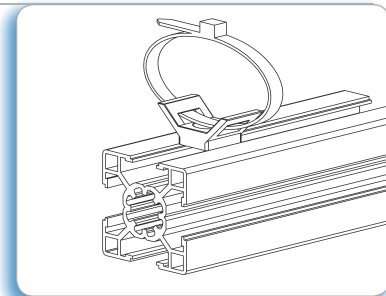
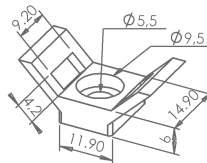


Aplicación
Permite la fijación de cables directamente en el perfil.

Application
For fixing cables directly on profiles.

	a	b	h	Øint	 Kg
 5543	39 mm	20 mm	8 mm	40 mm	0,009
 5544	29 mm	20 mm	8 mm	28 mm	0,007
 5540	22 mm	20 mm	8 mm	20 mm	0,005
 5542	17 mm	18 mm	8 mm	15 mm	0,004
 5541	13 mm	14 mm	8 mm	12 mm	0,003

Soporte de sujeción brida Nylon, color gris Cable binder block Nylon, grey

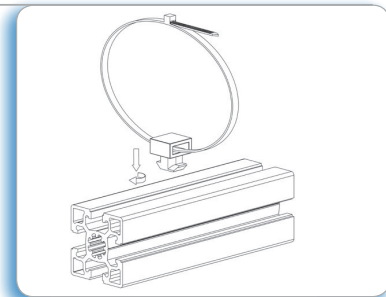
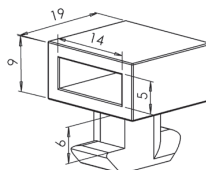


Aplicación
Permite la fijación de cables en el perfil mediante bridas.

Application
Enables the fixing of cables on profiles using cable binders.

 5516	 0,001
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Sujeción para brida Poliamida, color negro Cable binding block Fibreglass reinforced nylon, black



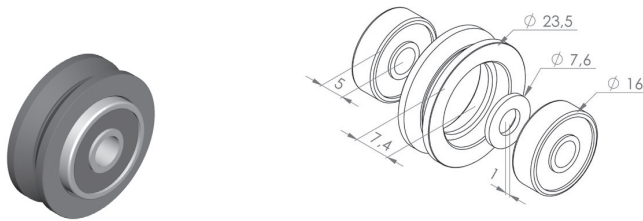
Aplicación
Para fijar cables a los perfiles de aluminio. Muy fácil de montar. No necesita tuercas.

Application
To fix cables to aluminium profiles. Easy to mount, no nut needed.

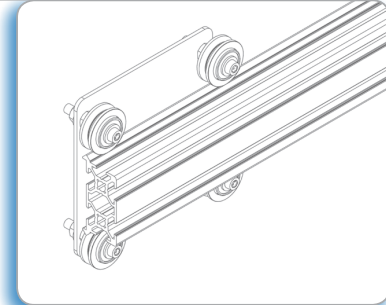
 5519	 0,004
--	---



Rueda en V con rodamientos Nylon negro
V wheel with bearings Black nylon



	
55342	0,01



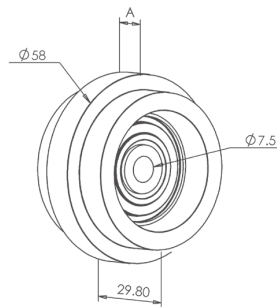
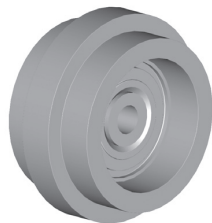
Aplicación



Para el deslizamiento lineal sobre el perfil de aluminio cod. 50993. El suministro incluye Rueda en V, dos rodamientos y arandela intermedia.

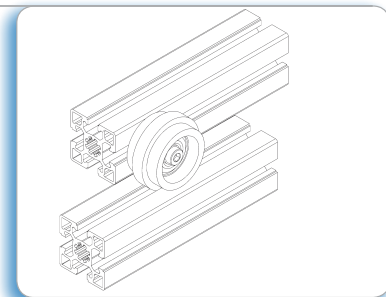
Application

For riding on V track aluminium profile cod. 505993. Standard supply includes V wheel, two bearings and washer.

Rodamiento Nylon
Roller Nylon



	\emptyset		A
5534	58	0,137	9.8
55341	58	0,125	7.8



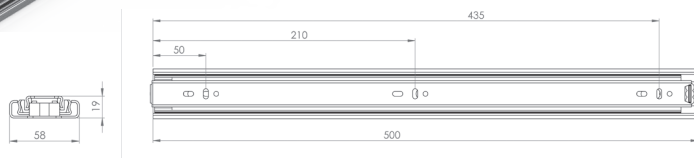
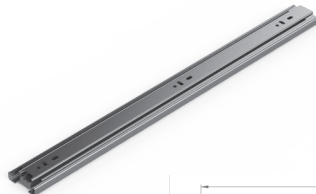
Aplicación

Para guiar elementos que requieren movimiento lineal sobre la ranura del perfil. Incluye tornillo + tuerca.

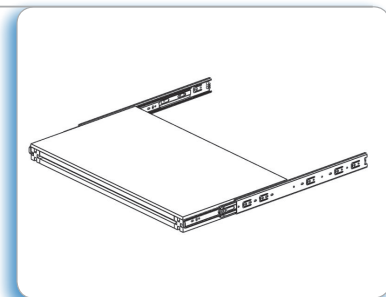
Application

To guide elements requiring lineal motion in the slot of aluminium profiles. Fixing bolt + nut included.

Guía telescópica Acero zincado
Telescopic slides Zinc Steel



			
5523	M4	1,58	500



Aplicación

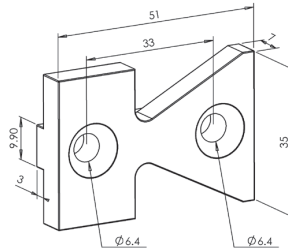
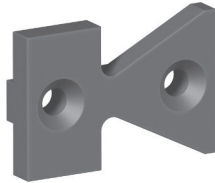
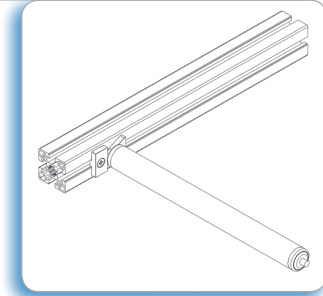
Para uso en cajones y elementos correderos o extraíbles.

Application

Used in drawers and moving or retractable elements.

FASTEN
SISTEMAS

Fijador de rodillos libres Poliamida, color negro
Free roller mounting block Fibreglass reinforced nylon, black



Aplicación
Permite el montaje de rodillos en los perfiles de aluminio. Los rodillos quedan sueltos por si se necesita retirarlos.

Application
For fixing rollers to aluminium profiles. Rollers lays on the block and can easily be removed.



55151




0,011

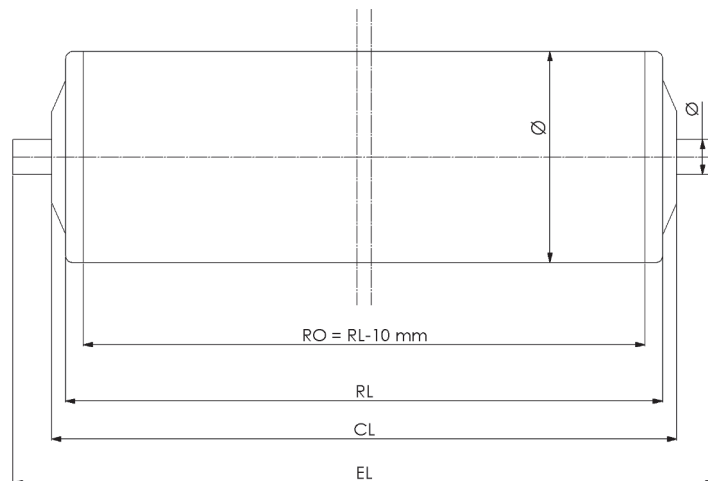
Rodillos PVC / Acero zincado







Rollers PVC / Zinc plated steel



	\varnothing
RD30	$\varnothing 30$
RD50	$\varnothing 50$

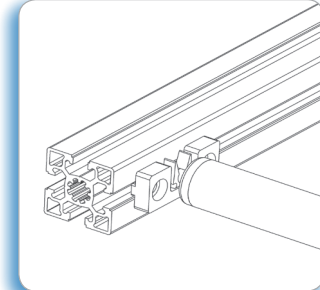
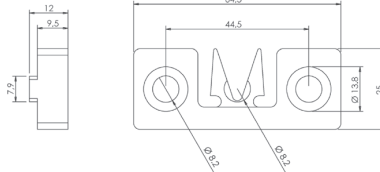
*Consultar otros diámetros



REFERENCIA	A....M.....	A....AGM....	A....IGM.....	A....Liso....	A....SW.....	A....FA.....
EJE Ø						
8	RL+	20	10	10	10	20
10	RL+	22	10	10	10	20
12	RL+	24	10	10	10	20



Clip \varnothing 8 fijador de rodillos Poliamida, color negro
Clip \varnothing 8 mounting block Fibreglass reinforced nylon, black



Aplicación
Permite el montaje de rodillos en los perfiles de aluminio. Los rodillos pueden ser retirados sin necesidad de desmontar todo el conjunto.

Application
For fixing rollers to profiles. Rollers can be removed without taking to pieces the whole structure.

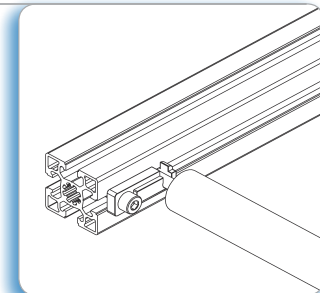
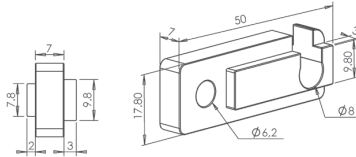
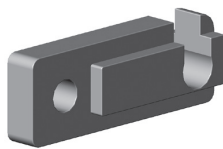


55152



0,013

Fijador \varnothing 8 exterior de rodillos Poliamida, color negro
Roller \varnothing 8 mounting block Fibreglass reinforced nylon, black



Aplicación
Permite el montaje de rodillos en los perfiles de aluminio. Los rodillos pueden ser retirados sin necesidad de desmontar todo el conjunto.

Application
For fixing rollers to profiles. Rollers can be removed without taking to pieces the whole structure.

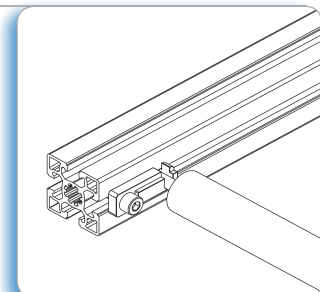
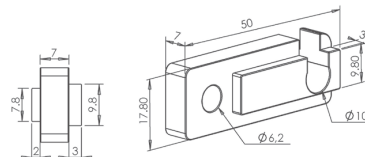
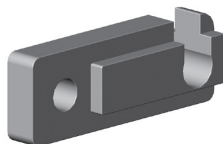


5515



0,008

Fijador \varnothing 10 exterior de rodillos Poliamida, color negro
Roller \varnothing 10 mounting block Fibreglass reinforced nylon, black



Aplicación
Permite el montaje de rodillos en los perfiles de aluminio. Los rodillos pueden ser retirados sin necesidad de desmontar todo el conjunto.

Application
For fixing rollers to profiles. Rollers can be removed without taking to pieces the whole structure.



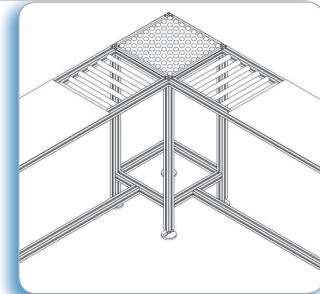
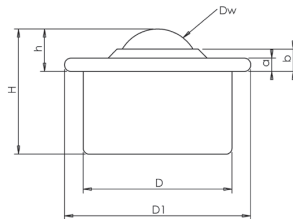
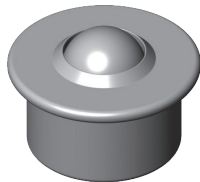
55150



0,008

FASTEN SISTEMAS

Bola transportadora Acero zincado Roller ball Zinc plated steel



	Dw	D	D1	h	H	Max. Kg	
5BT15	15 mm	24 mm	31 mm	9,5 mm	20,7 mm	50	0,040
5BT22	22 mm	36 mm	45 mm	9,8 mm	29,5 mm	130	0,126
5BT30	30 mm	45 mm	55 mm	13,8 mm	37 mm	250	0,252

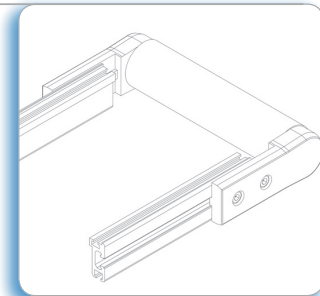
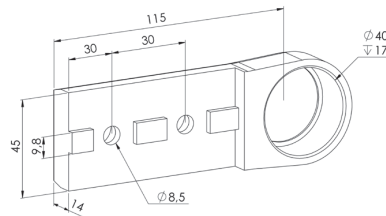
Aplicación

Usadas para conseguir un movimiento de cargas en cualquier dirección con el menor esfuerzo. Consultar el tipo de bola en función de la carga a desplazar.

Application

Used for the linear motion of charges in any direction with the minimum effort. Check roller ball type to use according to load.

Cabezal 45 Aluminio Conveyor roller bracket 45 Aluminium



55245

0,199

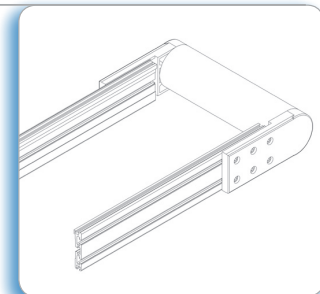
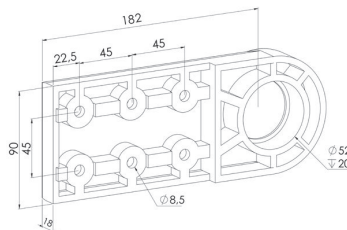
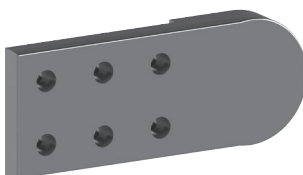
Aplicación

Para la soportación de los rodillos en los extremos de cintas transportadoras. Preparado para albergar un rodamiento de \varnothing 40mm.

Application

To lodge rollers in the edge of the belt conveyor. Prepare to lodge a \varnothing 40 mm. bearing.

Cabezal 90 Aluminio Conveyor roller bracket 90 Aluminium



55290

0,594

Aplicación

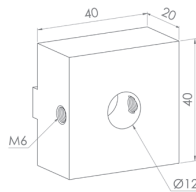
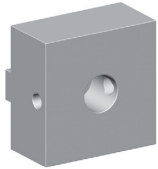
Para la soportación de los rodillos en los extremos de cintas transportadoras. Preparado para albergar un rodamiento \varnothing 52 mm.

Application

To lodge rollers in the edge of the belt conveyor. Prepare to lodge a \varnothing 52 mm. bearing.



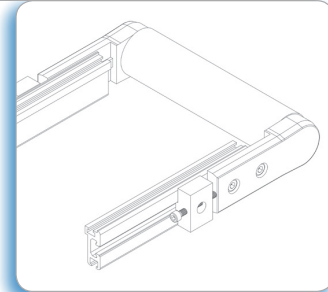
Tensor 45 Aluminio
Tensioner 45 Aluminium



5565

0,078

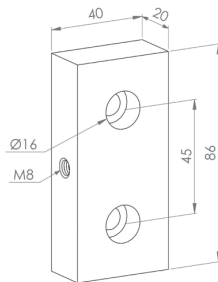
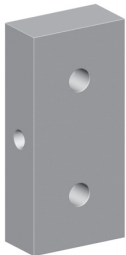
45



Aplicación
Para tensar la banda de los transportadores mediante el apriete de los tornillos. Tornillería incluida.

Application
To tighten the conveyor belt using the screws. Nuts and screws included.

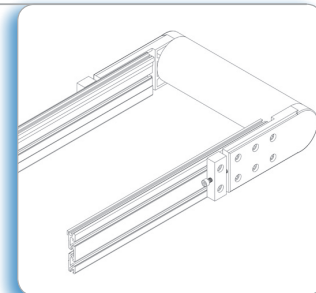
Tensor 90 Aluminio
Tensioner 90 Aluminium



5566

0,170

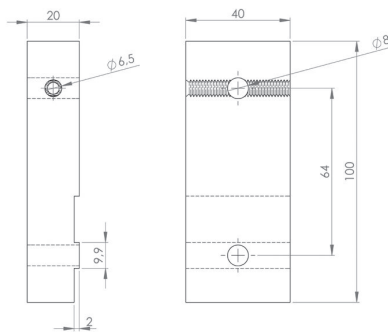
90



Aplicación
Para tensar la banda de los transportadores mediante el apriete de los tornillos. Tornillería incluida.

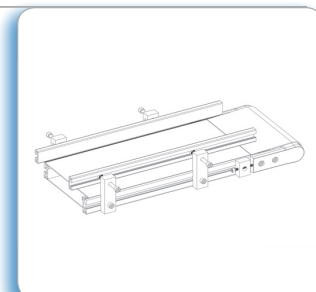
Application
To tighten the conveyor belt using the screws. Nuts and screws included.

Soporte barandilla Aluminio
Rail support Aluminium



5567

0,197

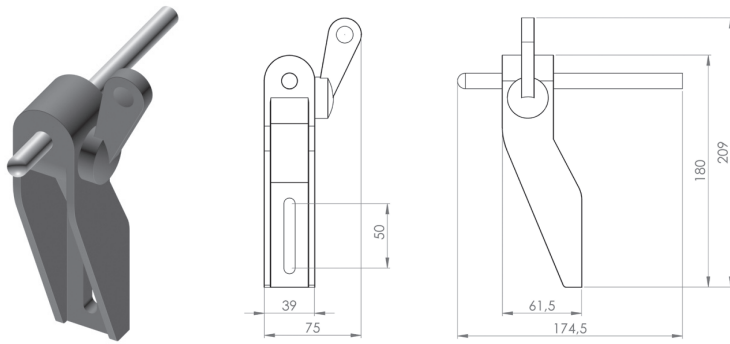


Aplicación
Para el soporte de las barandillas y guías laterales en las cintas transportadoras y camino de los rodillos.

Application
To support the rails in conveyor and roller belts.

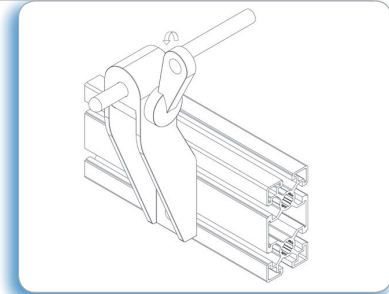
FASTEN
SISTEMAS

SopORTE barandilla Poliamida, color negro
Rail support Fibreglass reinforced nylon, black



55671

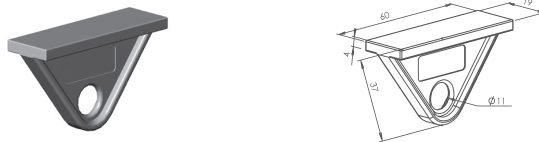
0,353



Aplicación
Para el soporte de las barandillas y guías laterales en las cintas transportadoras y camino de los rodillos.
Varilla no incluida

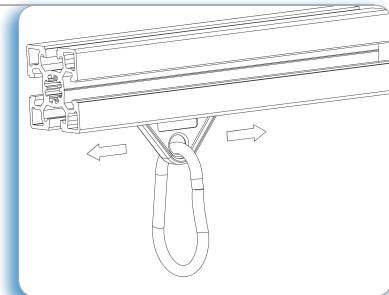
Application
To support the rails in conveyor and roller belts.
Rod not included

Colgador deslizante Poliamida, color negro
Sliding hanger Fibreglass reinforced nylon, black



5514

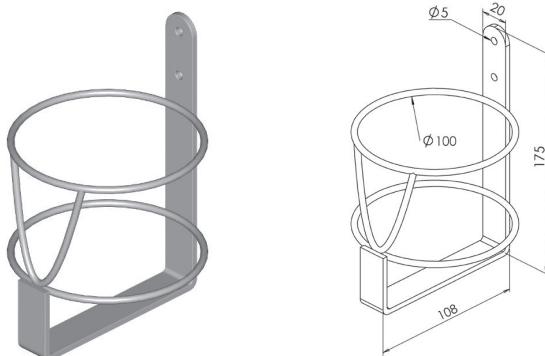
0,010



Aplicación
Permite colgar y desplazar las herramientas suspendidas en los bancos de trabajo.

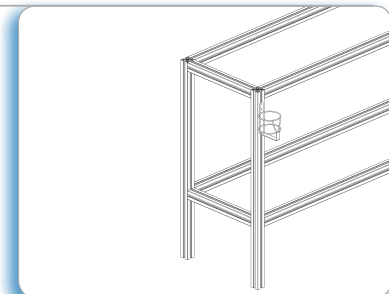
Application
Working tools can be suspended and displaced in work stations.

Botellero Acero zincado
Bottle holder Zinc plated steel



5531

0,213

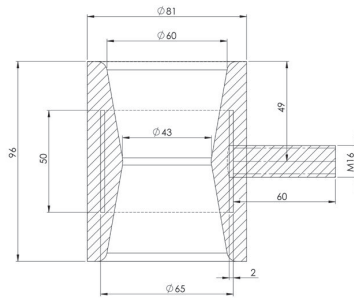


Aplicación
Como accesorio para sujetar las botellas en bancos y estaciones de trabajo.

Application
As an accessory used to hold bottles in work stations.



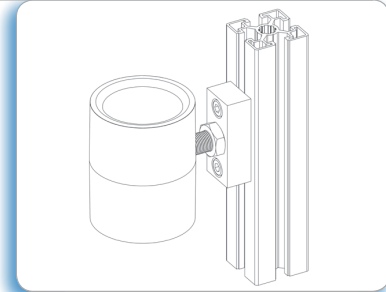
Porta herramientas PVC negro
Tool holder PVC black



5535



0,589



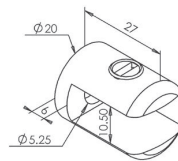
Aplicación

Para la colocación de herramientas manuales. Incluye soporte para fijación al perfil y tornillería.

Application

To place hand tools. Fixing accessory and fasteners included.

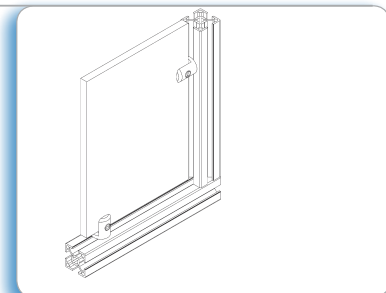
Portabaldas Aluminio fundido
Panel clamp Die-cast aluminium



5518



0,021



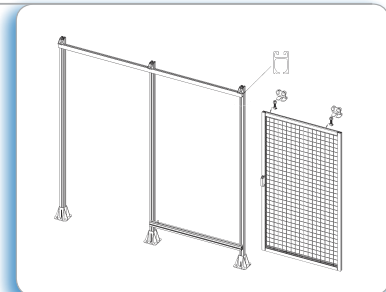
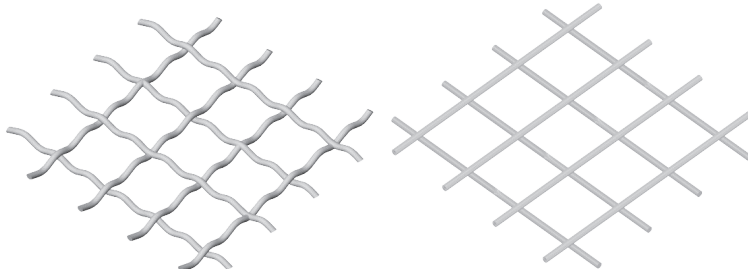
Aplicación

Para fijar baldas de cristal u otro material a las estructuras de aluminio. Espesor máximo de la balda: 10 mm.

Application

For fix glass shelves to aluminium structures. Shelf max. Thickness: 10 mm.

Rejillas Acero galvanizado
Fences Galvanized steel



Aplicación

Para fabricar protecciones de seguridad.

Application

To make protection panels.



5550

medidas / dimensions

rejilla electrosoldada 50x50

5551

rejilla electrosoldada 40x40

5552

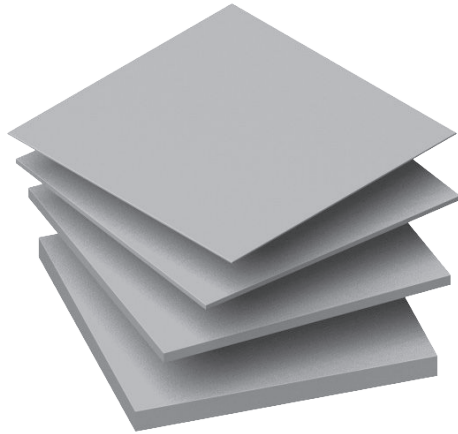
rejilla electrosoldada 30x30

Rejilla entrelazada

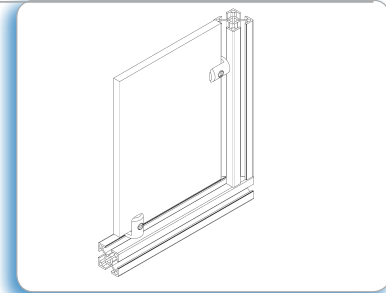
consultar*

FASTEN SISTEMAS

Paneles Panels



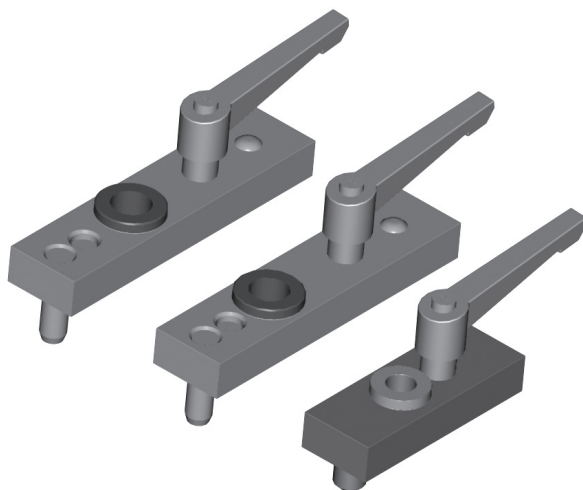
	espesor / thickness
metacrilato	2-12 mm.
policarbonato	3-10 mm.
polipropileno alveolar	3-20 mm.
PET	3-10 mm.
PVC espumado	3-19 mm.
composite aluminio	4-10 mm.
resina fenólica	4-30 mm.
*consultar medidas y colores	*measures and colours upon







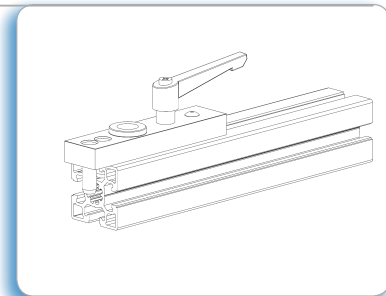
Aplicación
Para panelar estructuras.

Application
To panel structures.

Plantilla general para conectores Aluminio/acero Drilling jig for joints Aluminium/Steel

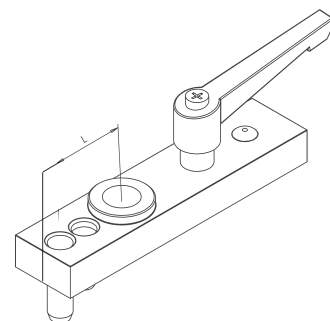


			
5701	40/45/60/80/90	33 mm	0,265
5703	35	37 mm	0,265
5702	30	18 mm	0,176



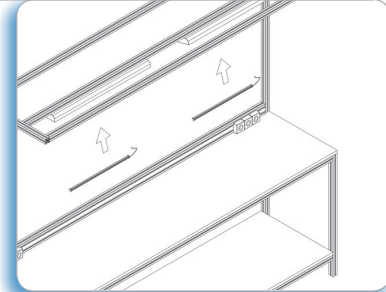
Aplicación
Facilita la ejecución de los taladros necesarios para el montaje de los diferentes tipos de conectores de perfiles.

Application
Helps guiding while drilling profiles to use with different types of joints.





Luminaria LED
LED light surface mounted



Aplicación

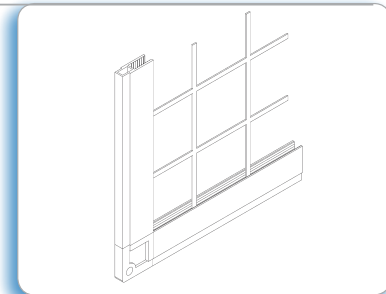
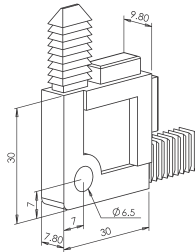
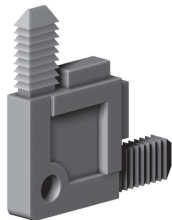
Luminaria para fijación directa al perfil mediante clips de amarre. Viene preparada para conexión directa a la red sin transformador.

Application

LED light surface mounted with clips. Direct plug-in to electric network. Power transformer not needed.

Barcode	L	Consumo (W)	Lúmenes	Rendimiento (lm/W)	kg
558060	310 mm	5,25	580	111	0,5
558090	550 mm	10,75	1150	106	0,74
5580120	780 mm	15,75	1750	111	0,98
5580150	1020mm	21	2300	110	1,23

Ángulo de unión perfiles en U Poliamida color negro
U profiles assembly bracket Fibreglass reinforced nylon, black



Aplicación

Para la unión de perfiles en U cod.5034. Facilita la construcción de paneles de protección tanto interiores como exteriores.

Application

Used for assembly of U cod.5034 profiles. Provides a good support in the construction of both interior and exterior protection panels.

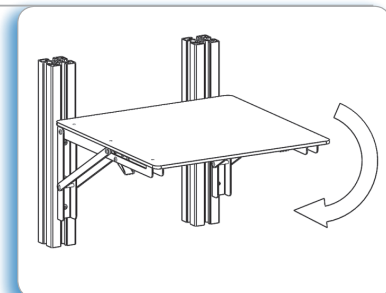
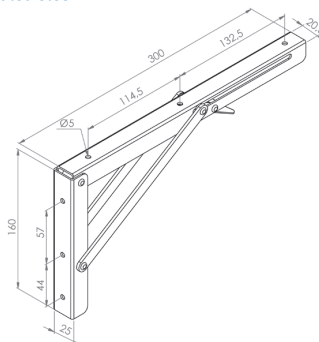
Barcode

5517

kg

0,011

Escuadra abatible 300x160 Acero zincado
Folding shelf bracket 300x160 Zinc plated steel



Aplicación

Permite colocar baldas abatibles.

Application

Suitable to install folding shelves.

Barcode

55163

M5

M5

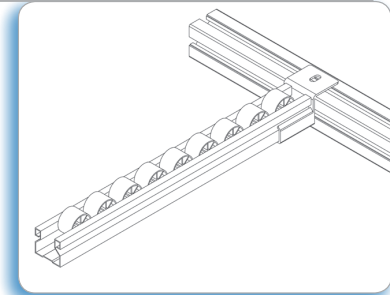
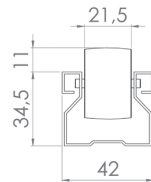
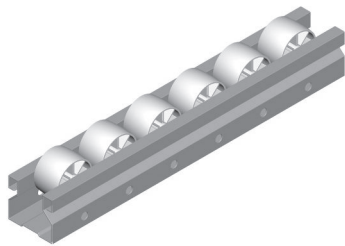
kg

0,86

FASTEN SISTEMAS

Minicarril Acero zincado

Minirail Steel zinc plated

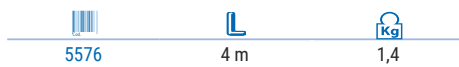
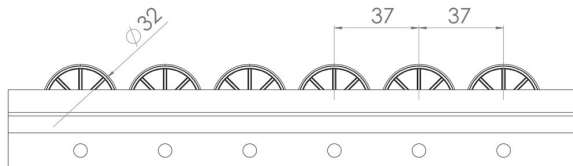


Aplicación

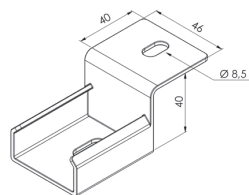
Perfil de acero para desplazamiento de objetos en estanterías dinámicas.

Application

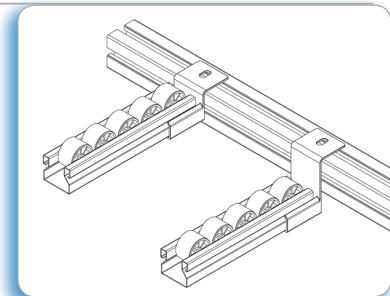
Steel profile for moving objects in dynamic shelves.



Unión minicarril a perfil Acero zincado
Roller track profile joint Steel zinc plated



Unión a nivel

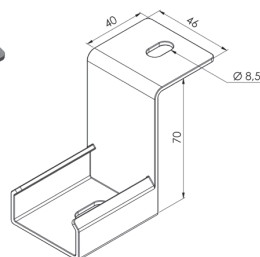


Aplicación

Para la unión del minicarril a los perfiles de aluminio. Uniones a nivel o con tope para cajas.

Application

For the assembly of roller track to aluminium profiles.

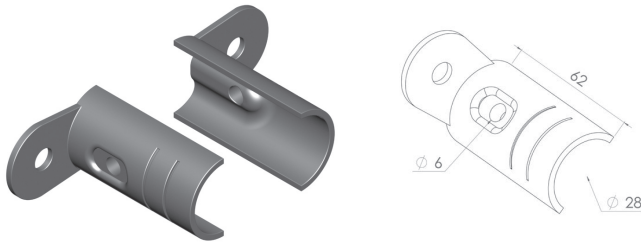


Unión con tope





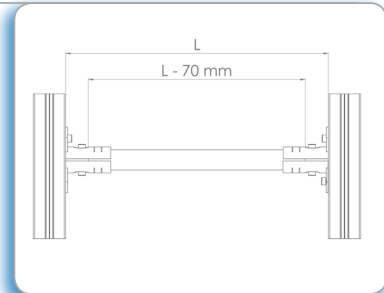
Soporte de tubo Ø 28 mm Acero
Tube support Ø 28 mm Steel



55161

M6

0,068



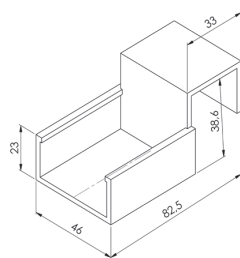
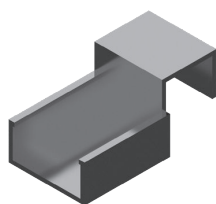
Aplicación

Para la unión de tubos Ø 28 mm a los perfiles de aluminio en ángulo recto. El suministro incluye dos soportes de tubo y la tornillería de unión al tubo.

Application

For right-angled connection of tubes Ø 28 mm to aluminium profiles. Standard supply includes two tubes support screws connecting to the tube.

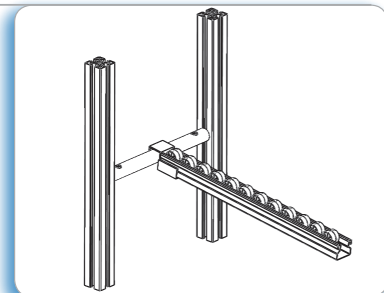
Unión minicarril a tubo Ø28mm Acero zincado
Roller track joint to Ø28mm tube Steel zinc plated



Unión a nivel

M2B

0,16

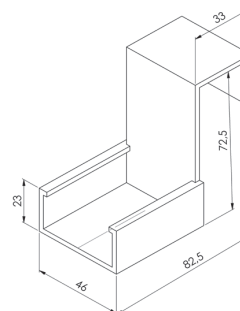
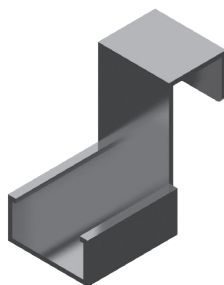


Aplicación

Para la unión del minicarril a tubo Ø28mm. (Cod.50702)
Uniones a nivel o con tope para cajas.

Application

For the assembly of roller track to Ø28mm. aluminium tube (Cod.50702)



Unión con tope

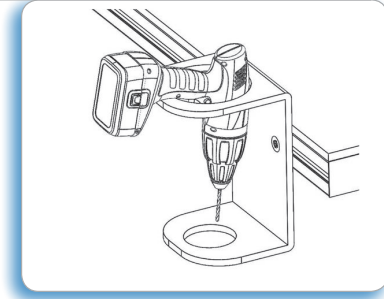
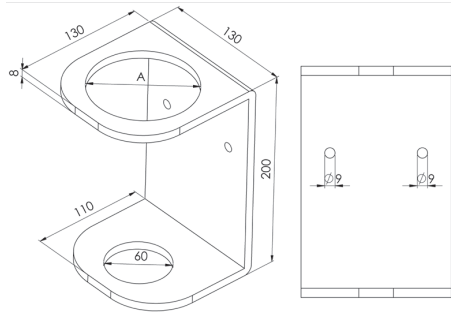
M1B

0,13

FASTEN
SISTEMAS

Soporte herramientas Metacrilato

Tool's holder Metacrilato




Aplicación

Como accesorio para sujetar herramientas en bancos y estaciones de trabajo.

Application

As an accessory used to hold tools in work stations.

	A
55310	100 mm
55311	90 mm
55312	80 mm
55313	60 mm

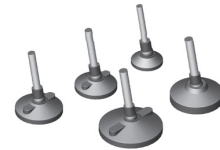
ELEMENTOS DE POSICIONAMIENTO

POSITIONING ELEMENTS

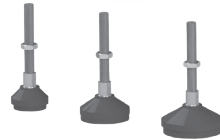
página/page 74



página/page 75



página/page 76



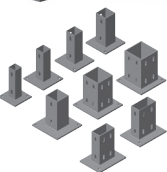
página/page 77



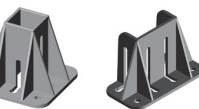
página/page 78



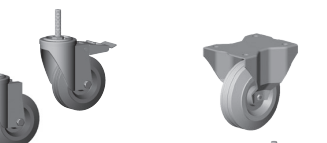
página/page 79



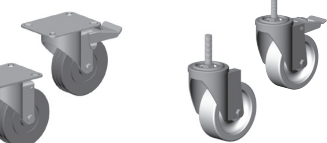
página/page 80



página/page 81



página/page 82

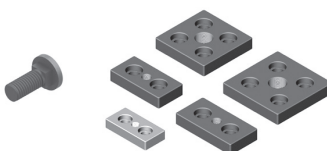


página/page 83



página/page 84

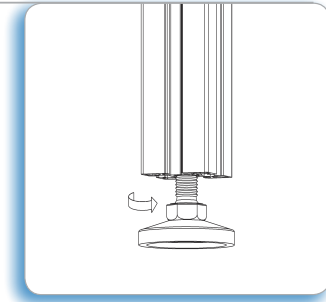
página/page 85



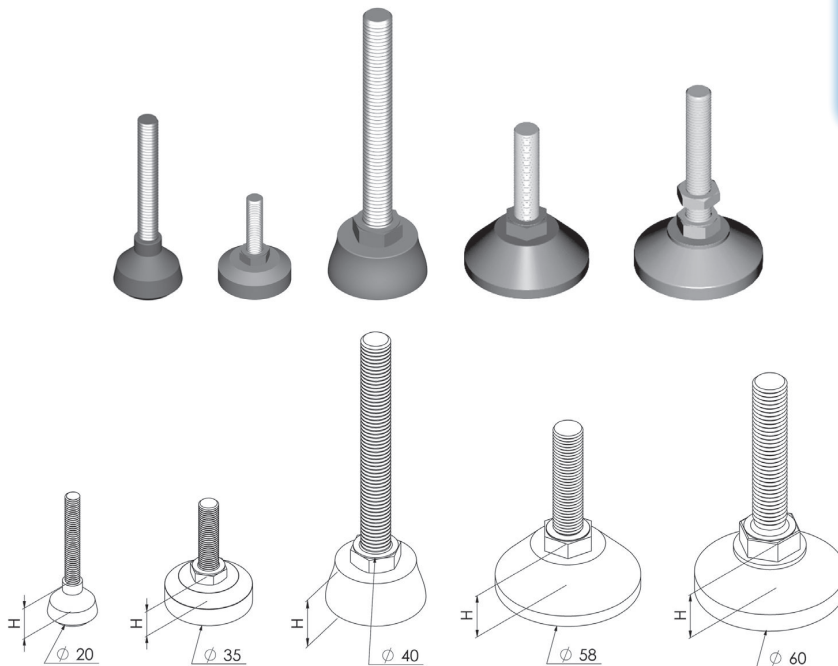
FASTEN
SISTEMAS



Pies, base de poliamida Poliamida, color negro
Adjustable knuckle feet Fibreglass reinforced nylon, black



Aplicación / Application



Ø 20 - MAX: 200 KG

Barcode	Part Number	Thread	h	Weight [Kg]
	540220645	M6x45 mm	12 mm	0,01

Ø 58 - MAX: 300 KG

Barcode	Part Number	Thread	h	Weight [Kg]
	540158126	M12x50 mm	20 mm	0,14

Ø 35 - MAX: 200 KG

Barcode	Part Number	Thread	h	Weight [Kg]
	540136825	M8x25 mm	15 mm	0,05

Ø 60 - MAX: 400 KG

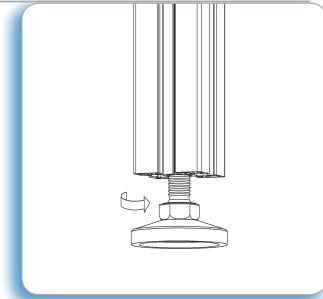
Barcode	Part Number	Thread	h	Weight [Kg]
	540260127	M12x70 mm	20 mm	0,17
	540260121	M12x100 mm	20 mm	0,21
	540260147	M14x70 mm	20 mm	0,20
	540260141	M14x100 mm	20 mm	0,25
	540260161	M16x100 mm	20 mm	0,23
	540260201	M20x100 mm	20 mm	0,29

Ø 40 - MAX: 300 KG

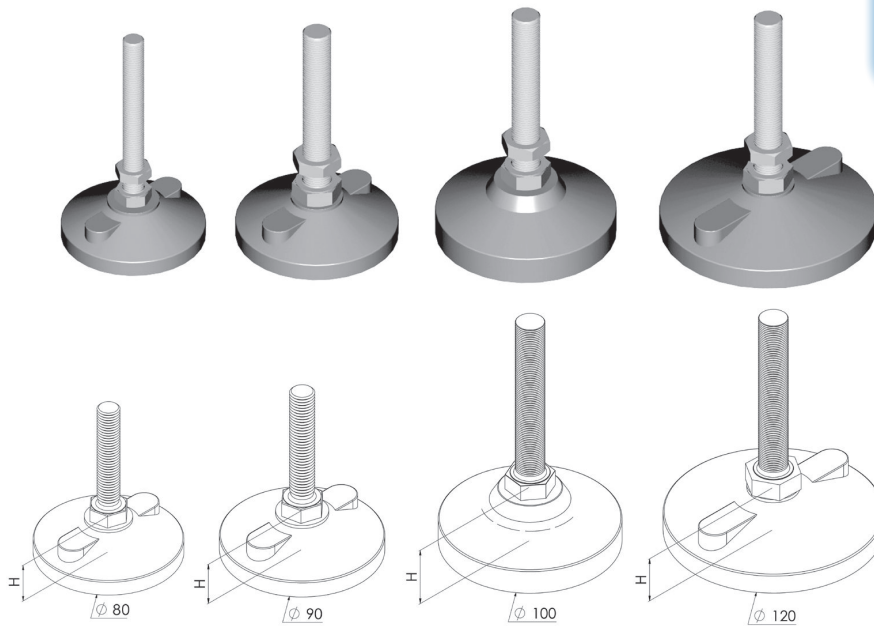
Barcode	Part Number	Thread	h	Weight [Kg]
	540240127	M12x100 mm	18 mm	0,11



Pies, base de poliamida Poliamida, color negro
Adjustable knuckle feet Fibreglass reinforced nylon, black



Aplicación / Application



Ø 80 - MAX: 530 KG.

Barcode	Bolt	h	Kg
540280127	M12x70 mm	24 mm	0,19
540280121	M12x100 mm	24 mm	0,23
540280147	M14x70 mm	24 mm	0,22
540280141	M14x100 mm	24 mm	0,27
540280161	M16x100 mm	24 mm	0,26
540280201	M20x100 mm	24 mm	0,32

Ø 100 - MAX: 700 KG

Barcode	Bolt	h	Kg
5402100127	M12x70 mm	35,5 mm	0,28
5402100121	M12x100 mm	35,5 mm	0,32
5402100147	M14x70 mm	35,5 mm	0,31
5402100141	M14x100 mm	35,5 mm	0,36
5402100161	M16x100 mm	35,5 mm	0,35
5402100201	M20x100 mm	35,5 mm	0,41

Ø 90 - MAX: 630 KG

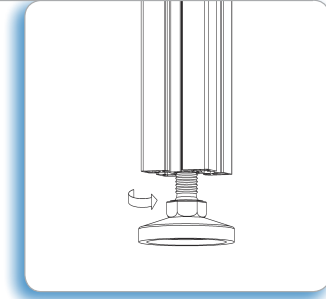
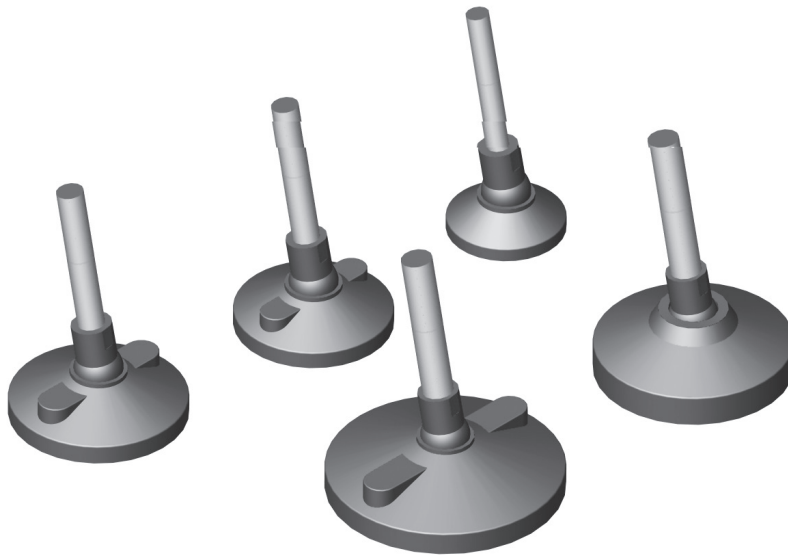
Barcode	Bolt	h	Kg
540290127	M12x70 mm	26 mm	0,22
540290121	M12x100 mm	26 mm	0,26
540290147	M14x70 mm	26 mm	0,25
540290141	M14x100 mm	26 mm	0,30
540290161	M16x100 mm	26 mm	0,28
540290201	M20x100 mm	26 mm	0,34

Ø 120 - MAX: 700 KG

Barcode	Bolt	h	Kg
5402120127	M12x70 mm	30 mm	0,30
5402120121	M12x100 mm	30 mm	0,34
5402120147	M14x70 mm	30 mm	0,33
5402120141	M14x100 mm	30 mm	0,37
5402120161	M16x100 mm	30 mm	0,36
5402120201	M20x100 mm	30 mm	0,42

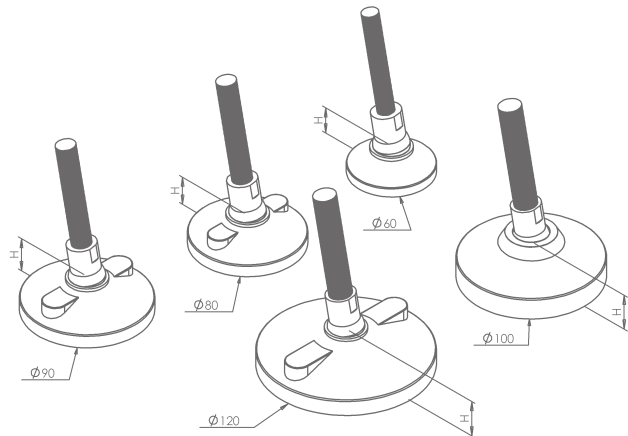
FASTEN SISTEMAS

Pies, base de poliamida con rótula Poliamida, color negro
Swivel feet Fibreglass reinforced nylon, black



Ø 60 - MAX: 650 KG

Barcode	Wrench	h	kg
540360121	M12x100 mm	20 mm	0,195
540360125	M12x150 mm	20 mm	0,223
540360141	M14x100 mm	20 mm	0,225
540360145	M14x150 mm	20 mm	0,268
540360161	M16x100 mm	20 mm	0,245
540360165	M16x150 mm	20 mm	0,294



Ø 80 - MAX: 740 KG

Barcode	Wrench	h	kg
540380121	M12x100 mm	24 mm	0,221
540380125	M12x150 mm	24 mm	0,250
540380141	M14x100 mm	24 mm	0,252
540380145	M14x150 mm	24 mm	0,294
540380161	M16x100 mm	24 mm	0,271
540380165	M16x150 mm	24 mm	0,321

Ø 100 - MAX: 900 KG

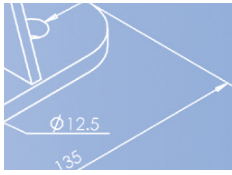
Barcode	Wrench	h	kg
5403100121	M12x100 mm	35,5 mm	0,287
5403100125	M12x150 mm	35,5 mm	0,316
5403100141	M14x100 mm	35,5 mm	0,318
5403100145	M14x150 mm	35,5 mm	0,361
5403100161	M16x100 mm	35,5 mm	0,337
5403100165	M16x150 mm	35,5 mm	0,387

Ø 90 - MAX: 840 KG

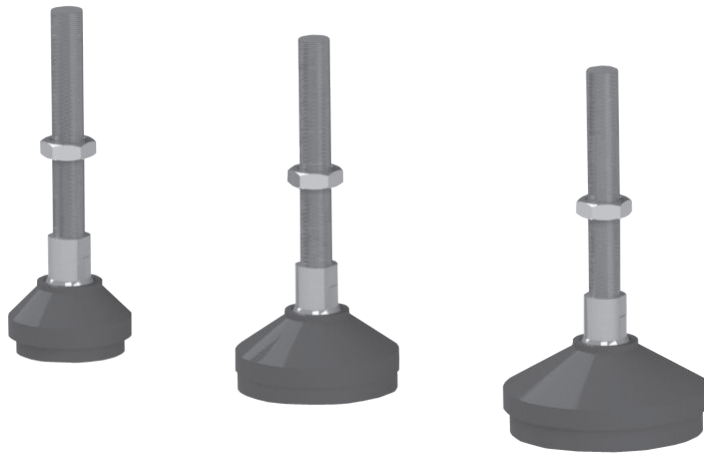
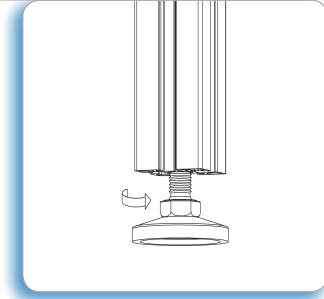
Barcode	Wrench	h	kg
540390121	M12x100 mm	26 mm	0,246
540390125	M12x150 mm	26 mm	0,275
540390141	M14x100 mm	26 mm	0,277
540390145	M14x150 mm	26 mm	0,320
540390161	M16x100 mm	26 mm	0,295
540390165	M16x150 mm	26 mm	0,345

Ø 120 - MAX: 900 KG

Barcode	Wrench	h	kg
540320121	M12x100 mm	30 mm	0,321
540320125	M12x150 mm	30 mm	0,350
540320141	M14x100 mm	30 mm	0,352
540320145	M14x150 mm	30 mm	0,395
540320161	M16x100 mm	30 mm	0,371
540320165	M16x150 mm	30 mm	0,421



Pies antivibratorios, con rótula Poliamida y caucho
Antivibration levelling feet Polyamide and rubber

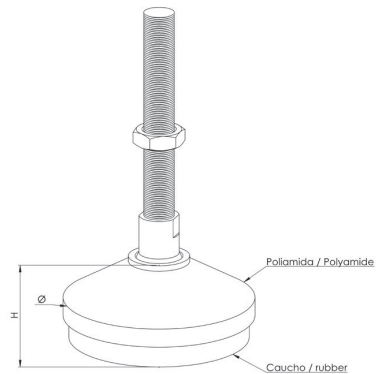


PIE ANTIVIBRATORIO Ø 60 - MAX: 1800 KG
Poliamida reforzada / Caucho 70 Shore A

Barcode	Wrench	h	kg
540760121	M12x100 mm	34 mm	0,240
540760125	M12x150 mm	34 mm	0,270
540760141	M14x100 mm	34 mm	0,271
540760145	M14x150 mm	34 mm	0,314
540760161	M16x100 mm	34 mm	0,290
540760165	M16x150 mm	34 mm	0,340

PIE ANTIVIBRATORIO Ø 80 - MAX: 2200 KG
Poliamida reforzada / Caucho 70 Shore A

Barcode	Wrench	h	kg
540780121	M12x100 mm	38 mm	0,318
540780125	M12x150 mm	38 mm	0,347
540780141	M14x100 mm	38 mm	0,349
540780145	M14x150 mm	38 mm	0,392
540780161	M16x100 mm	38 mm	0,368
540780165	M16x150 mm	38 mm	0,418



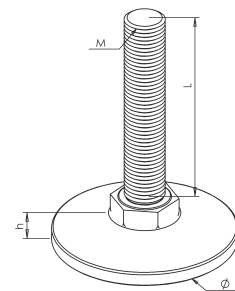
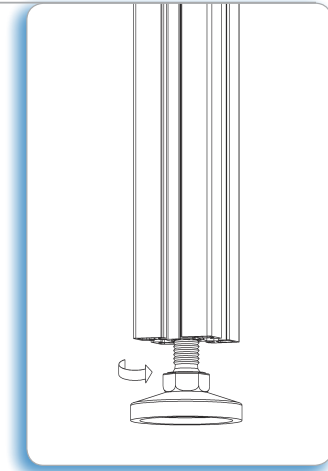
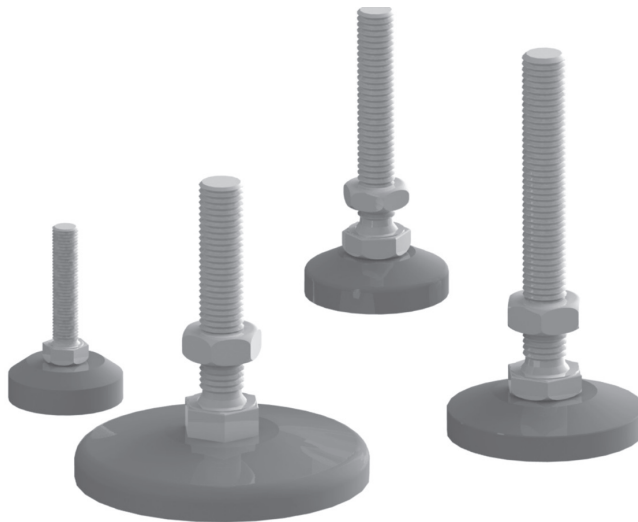
PIE ANTIVIBRATORIO Ø 100 - MAX: 2500 KG
Poliamida reforzada / Caucho 70 Shore A

Barcode	Wrench	h	kg
5407100121	M12x100 mm	45 mm	0,468
5407100125	M12x150 mm	45 mm	0,497
5407100141	M14x100 mm	45 mm	0,499
5407100145	M14x150 mm	45 mm	0,542
5407100161	M16x100 mm	45 mm	0,518
5407100165	M16x150 mm	45 mm	0,568

FASTEN
SISTEMAS







Pies, base de acero Acero zincado
Adjustable knuckle feet Zinc plated steel









Ø 35 - MAX: 800 KG

Barcode	Part Number	h	Weight [Kg]
	M8x30 mm	13 mm	0,394







Ø 44 - MAX: 1100 KG

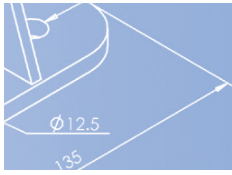
Barcode	Part Number	h	Weight [Kg]
	M12x70 mm	15 mm	0,178
	M12x100 mm	15 mm	0,505
	M14x70 mm	15 mm	0,213
	M14x100 mm	15 mm	0,239

Ø 60 - MAX: 1500 KG

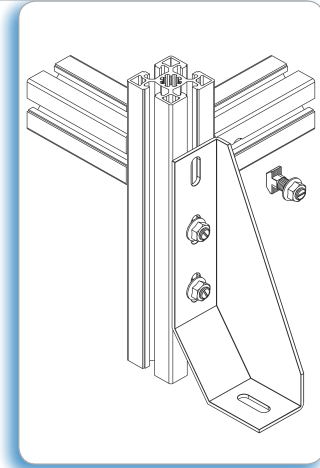
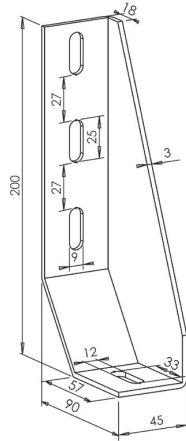
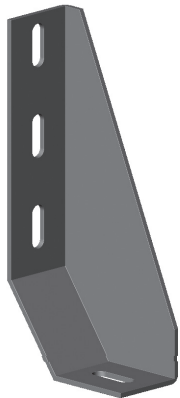
Barcode	Part Number	h	Weight [Kg]
	M12x70 mm	13 mm	0,249
	M12x100 mm	13 mm	0,270
	M14x70 mm	13 mm	0,284
	M14x100 mm	13 mm	0,310
	M16x100 mm	13 mm	0,367
	M20x100 mm	13 mm	0,478

Ø 90 - MAX: 2500 KG

Barcode	Part Number	h	Weight [Kg]
	M12x70 mm	15 mm	0,611
	M12x100 mm	15 mm	0,632
	M14x70 mm	15 mm	0,646
	M14x100 mm	15 mm	0,672
	M16x100 mm	15 mm	0,728
	M20x100 mm	15 mm	0,839



Escuadra de fijación a suelo Acero zincado
Floor bracket Zinc plated steel



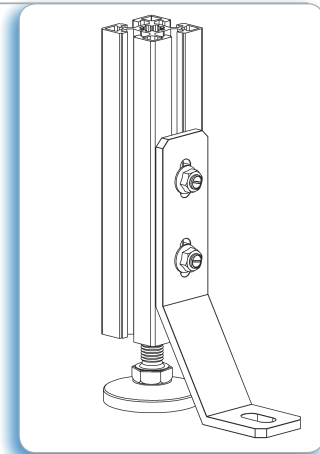
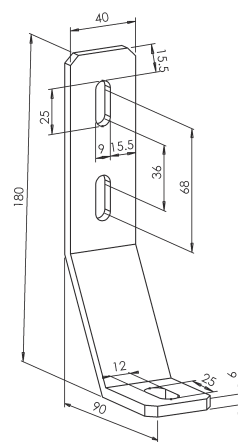
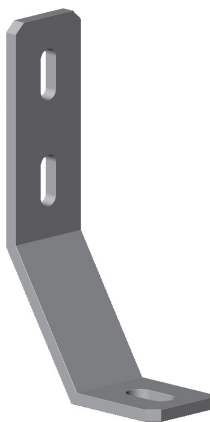
Aplicación
Para el anclaje de estructuras de aluminio al suelo.

Application
Suitable for a secure fixing of aluminium structures to the floor.


5412


0,467

Refuerzo de fijación a suelo Acero zincado
Floor fixing support Zinc plated steel



Aplicación
Como apoyo para la sujeción de estructuras de aluminio al suelo.

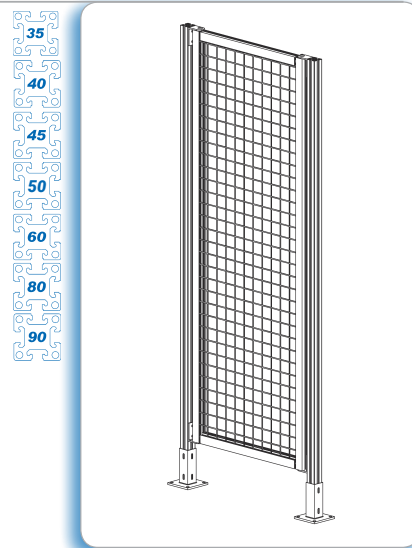
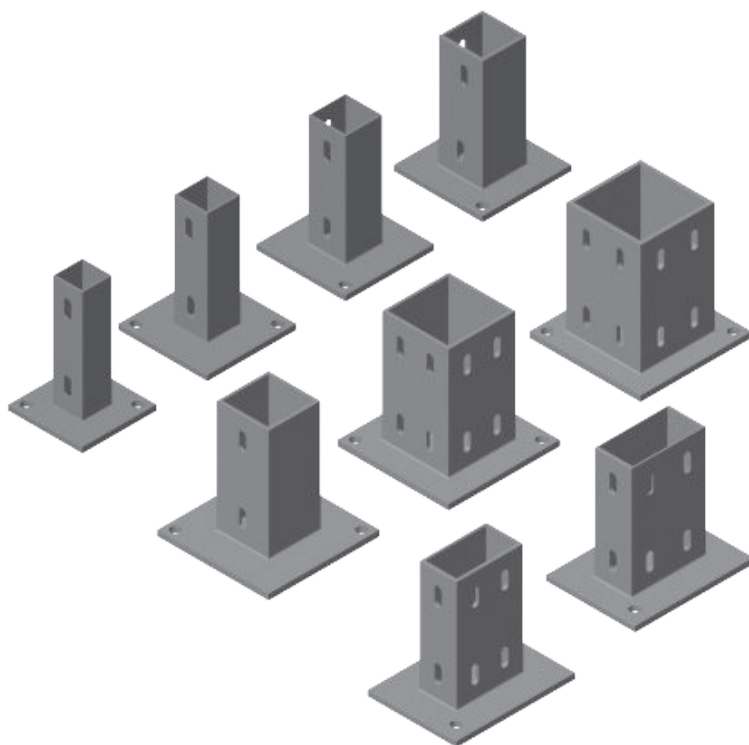
Application
As support for the fixing of aluminium structures to the floor.


5413


0,403

FASTEN
SISTEMAS

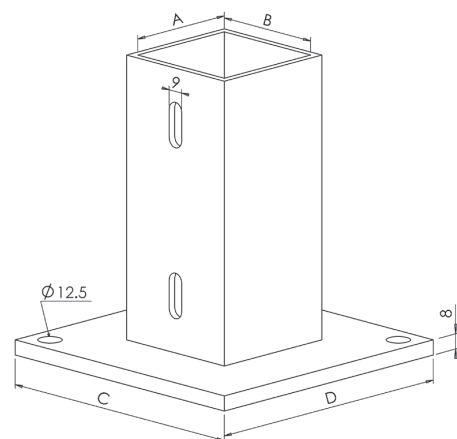
Soportes de anclaje a suelo Acero zincado
Floor fixing feet Zinc plated steel

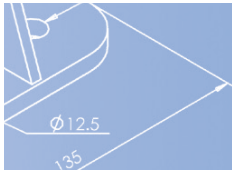


Aplicación
Para la fijación de vallados y cerramientos de seguridad de aluminio al suelo.

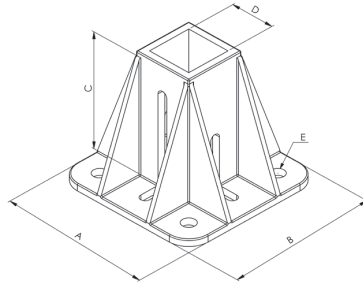
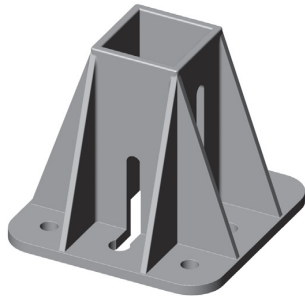
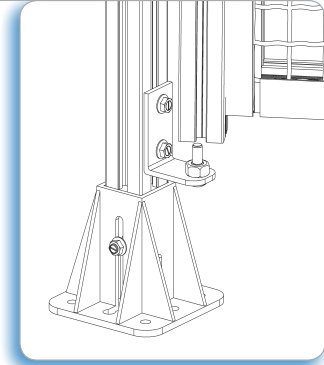
Application
For the fixing of protection panels and safety enclosures to the floor.

Barcode	Icon	A	B	C	D	Weight [Kg]
5419	35x35	35	35	100	100	1,2
5416	40x40	40	40	120	120	1,8
5410	45x45	45	45	120	120	1,9
5418	45x90	45	90	120	175	2,5
5414	60x60	60	60	120	120	3,1
5417	80x80	80	80	150	150	3,7
5411	90x90	90	90	150	150	4
5421	40x80	40	80	160	120	2,3
5422	50x50	50	50	160	120	2,7





Soporte de anclaje a suelo 45x45 / 40x40 Aluminio fundido, color aluminio
Floor fixing foot Die-cast aluminium, alu. colour

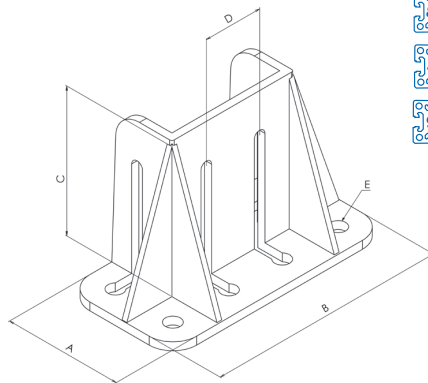
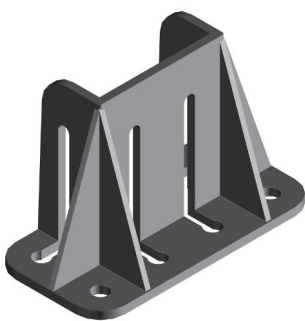
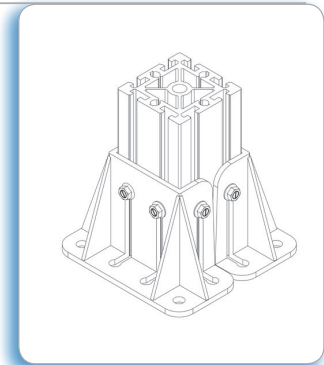
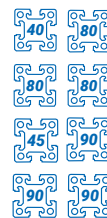


Aplicación
Para la fijación de vallados y cerramientos de seguridad de aluminio al suelo.

Application
For the fixing of protection panels and safety enclosures to the floor.

Barcode	Size	Weight (Kg)	A	B	C	D	E
5415	45x45	0,725	135	135	120	46	12,5
54161	40x40	0,85	135	135	120	41	12,5

Soporte de anclaje a suelo Aluminio fundido, color aluminio
Floor fixing foot Die-cast aluminium, alu. colour



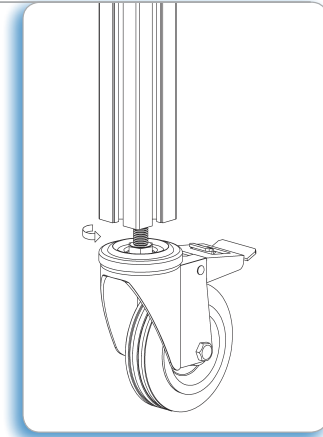
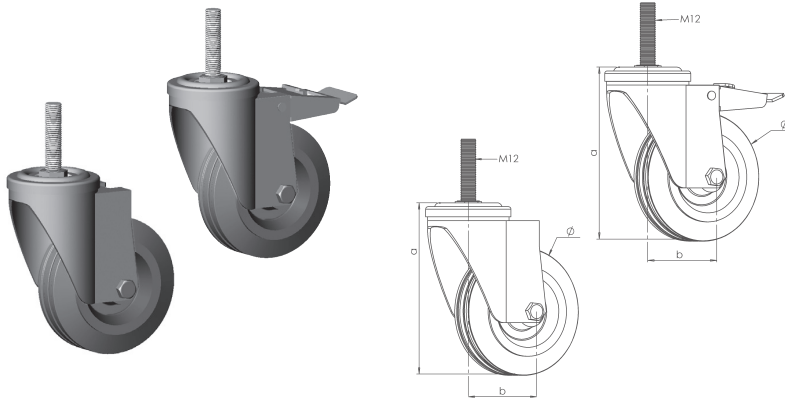
Aplicación
Para la fijación de perfiles al suelo.

Application
For the fixing of profiles to the floor.

Barcode	Size	Weight (Kg)	A	B	C	D	E
5420	45x90 / 90x90	0,725	90	180	120	45	12,5
54211	40x80 / 80x80	0,725	85	170	120	40	12,5

FASTEN SISTEMAS


Ruedas giratorias de goma Goma gris, soporte en acero Rubber swivel wheels Grey rubber, steel support




Aplicación
De montaje en estructuras que requieran desplazamiento.

Application
To use in structures that need to be displaced.

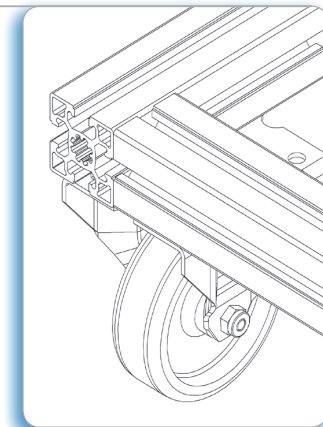
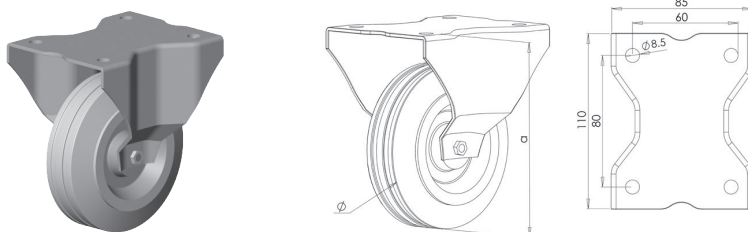
SIN FRENO - WITHOUT BRAKE

Barcode	∅	a	b	MAX. Kg	
542050127	50	73	22	50	0,313
542060127	60	83	23	60	0,341
542080127	80	104	24	65	0,611
5420100127	100	125	37	85	0,741
5420125127	125	160	49	110	0,900

CON FRENO - WITH BRAKE


Barcode	∅	a	b	MAX. Kg	
542150127	50	73	22	50	0,270
542160127	60	83	23	60	0,342
542180127	80	104	24	65	0,806
5421100127	100	125	37	85	0,936
5421125127	125	160	49	110	1

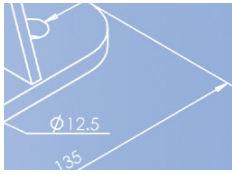
Rueda fija de goma Goma negra, soporte en acero Rubber wheel Black rubber, steel support



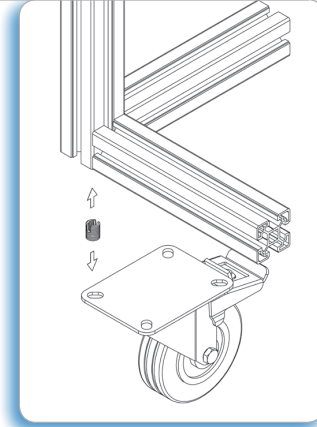
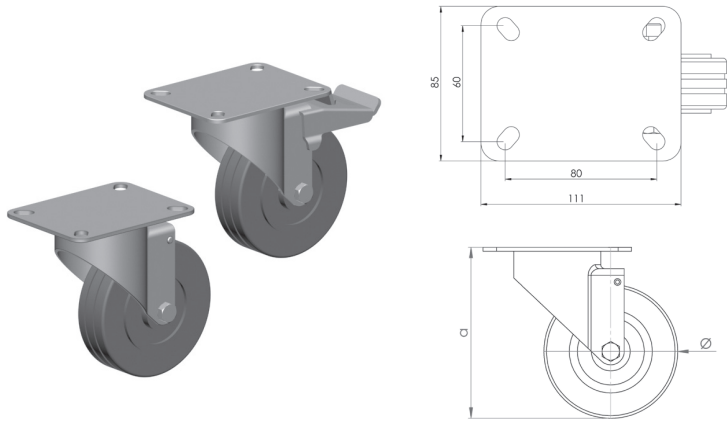
Aplicación
De montaje en estructuras que requieran desplazamiento.

Application
To use in structures that need to be displaced.

Barcode	∅	a	MAX. Kg	
5422100	100	130	100	0,686
5422125	125	155	125	0,948



Rueda giratoria de goma con placa Goma negra, soporte en acero
Rubber swivel wheel with plate Black rubber, steel support



Aplicación
De montaje en estructuras que requieran desplazamiento. Tornillería no incluida.

Application
To use in structures that need to be displaced.
Screws not included.

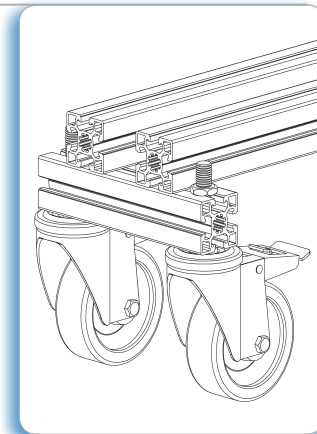
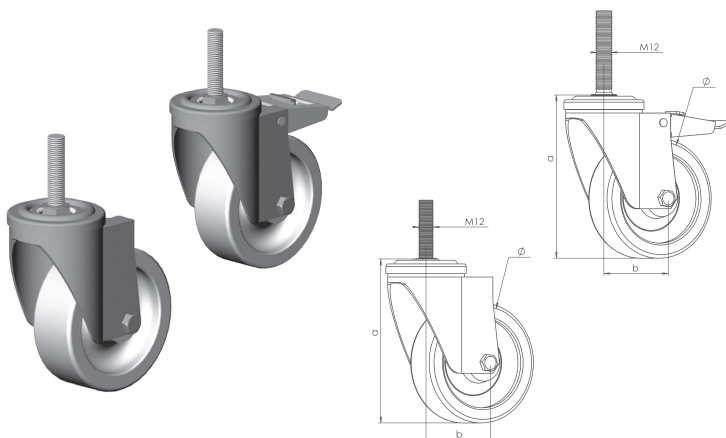
SIN FRENO - WITHOUT BRAKE

Barcode	Ø	a	MAX. Kg	kg
RG100	100	128	100	1,098
RG125	125	154	125	1,257

CON FRENO - WITH BRAKE

Barcode	Ø	a	MAX. Kg	kg
RGF100	100	128	100	1,293
RGF125	125	154	125	1,357

Ruedas giratorias de nylon Acero
Nylon swivel wheels Steel



Aplicación
De montaje en estructuras que requieran desplazamiento.

Application
To use in structures that need to be displaced.

SIN FRENO - WITHOUT BRAKE

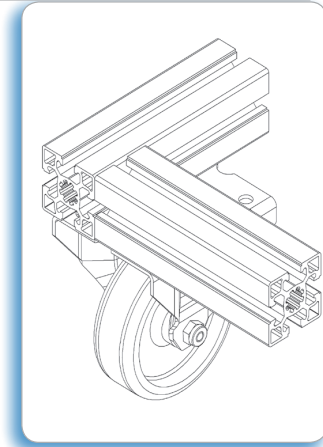
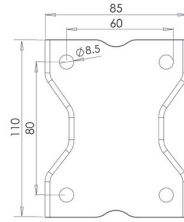
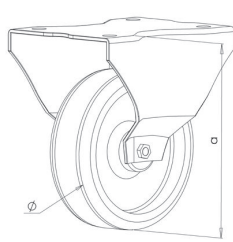
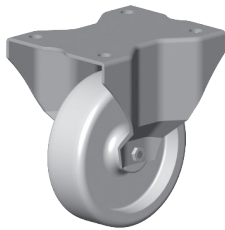
Barcode	Ø	a	b	MAX. Kg	kg
5423080127	80	104	24	150	0,725
54230100127	100	125	37	200	0,775
54230125127	125	160	49	250	0,945

CON FRENO - WITH BRAKE

Barcode	Ø	a	b	MAX. Kg	kg
5423180127	80	104	24	150	0,806
54231100127	100	125	37	200	0,900
54231125127	125	160	49	250	1,154

FASTEN
SISTEMAS

Rueda fija de nylon Acero
Nylon wheel Steel

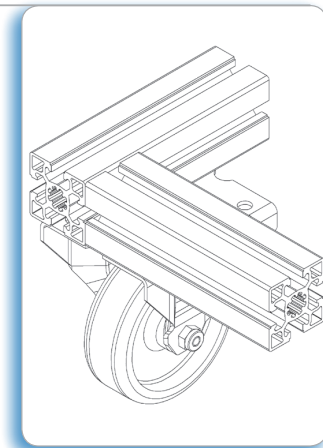
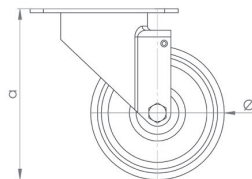
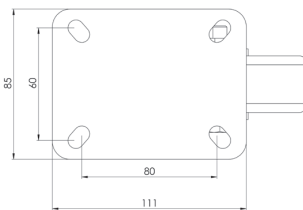


Aplicación
De montaje en estructuras que requieran desplazamiento.

Application
To use in structures that need to be displaced.

Barcode	Ø	a	MAX. Kg	Kg
5424100	100	126	160	0,524
5424125	125	153	220	0,728

Rueda giratoria de nylon con placa Soporte en acero
Nylon swivel wheel with plate Steel support



Aplicación
De montaje en estructuras que requieran desplazamiento. Tornillería no incluida.

Application
To use in structures that need to be displaced.
Screws not included.

SIN FRENO - WITHOUT BRAKE

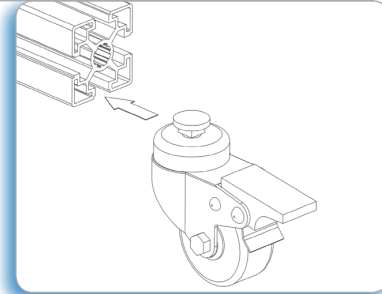
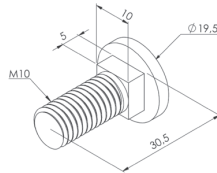
Barcode	Ø	a	MAX. Kg	Kg
RG100NYL	100	128	220	1,132
RG125NYL	125	154	300	1,302

CON FRENO - WITH BRAKE

Barcode	Ø	a	MAX. Kg	Kg
RGF100NYL	100	128	220	1,257
RGF125NYL	125	154	300	1,511



Tornillo de fijación antigiro M10 Acero zincado
Anti-rotation fixing bolt M10 Zinc plated steel



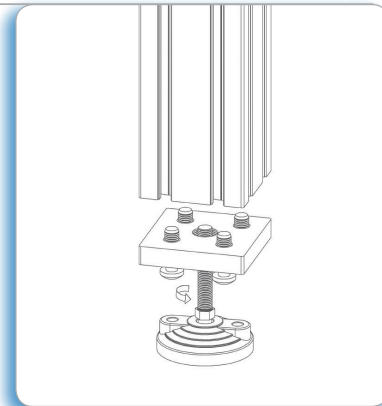
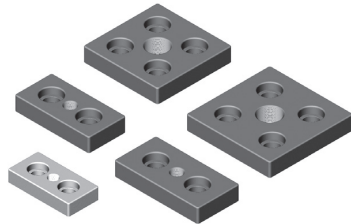
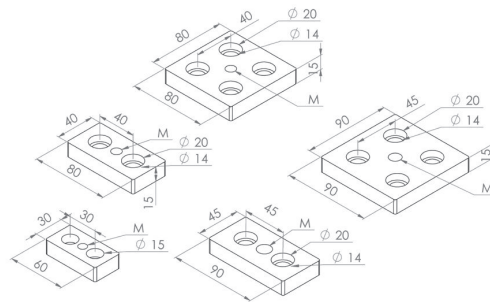
Aplicación

Para la fijación de ruedas y otros elementos sin necesidad de taladrar los perfiles.

Application

For the assembly of wheels and other accessories without drilling the aluminium profiles.

Placas base Acero zincado, Inyección de zinc
End plates Zinc plated steel, Die-cast zinc



Aplicación

Para el ensamble de ruedas o pies en la base de perfiles de aluminio que no disponen de núcleo central donde roscar.




Application

For the assembly of adjustable feet or wheels on profiles lacking central channel.




30 x 60 Acero zincado / Zinc plated steel

		
542912	M 12	0,168




40 x 80 Inyección de zinc, negro / Die-cast zinc, black

		
543412	M 12	0,196
543414	M 14	0,195
543416	M 16	0,19




80 x 80 Inyección de zinc, negro / Die-cast zinc, black

		
543512	M 12	0,364
543514	M 14	0,362
543516	M 16	0,355
543520	M 20	0,349

45 x 90 Inyección de zinc, negro / Die-cast zinc, black

		
543012	M 12	0,244
543014	M 14	0,243
543016	M 16	0,238

90 x 90 Inyección de zinc, negro / Die-cast zinc, black

		
543112	M 12	0,436
543114	M 14	0,433
543116	M 16	0,427
543120	M 20	0,419

ACCESORIOS PARA PUERTAS

DOOR ACCESSORIES

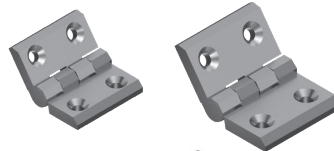
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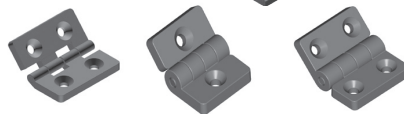
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página/page 90



página/page 91



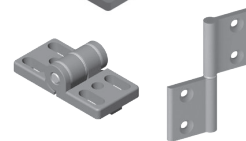
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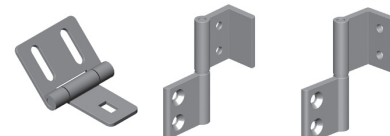
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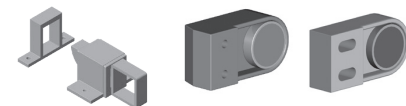
página/page 94



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ACCESORIOS PARA PUERTAS



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página/page 99

página/page 100

página/page 101

página/page 102

página/page 103

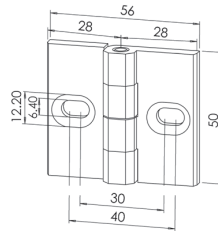
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página/page 105

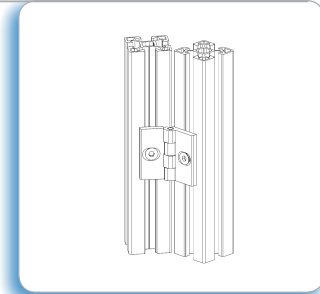
DOOR ACCESSORIES

FASTEN
SISTEMAS

Bisagra metálica 50x56 Inyección de zinc
Metal hinge 50x56 Die-cast zinc



25
30
35



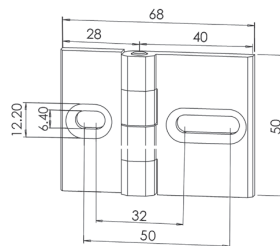
Aplicación
Gracias a los agujeros rasgados, pueden ser utilizadas con perfiles de diferentes medidas.

Application
Due to the almond-shaped holes, it can be used on profiles of various measures.

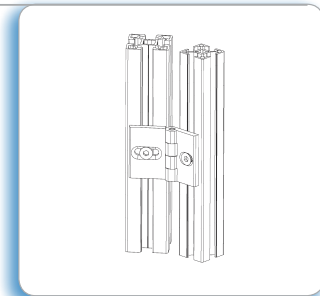
56071

0,102

Bisagra metálica 50x68 Inyección de zinc
Metal hinge 50x68 Die-cast zinc



35
40
45
60



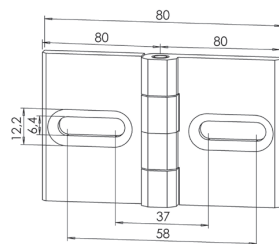
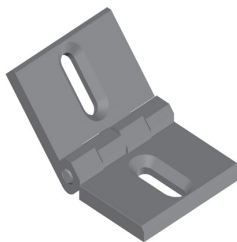
Aplicación
Gracias a los agujeros rasgados, pueden ser utilizadas con perfiles de diferentes medidas.

Application
Due to the almond-shaped holes, it can be used on profiles of various measures.

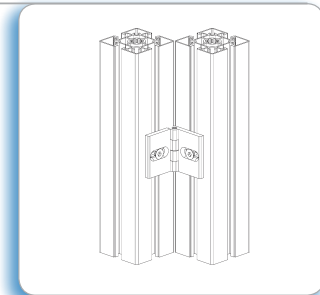
56081

0,119

Bisagra metálica 50x80 Inyección de zinc
Metal hinge 50x80 Die-cast zinc



40
45
60



Aplicación
Gracias a los agujeros rasgados, pueden ser utilizadas con perfiles de diferentes medidas.

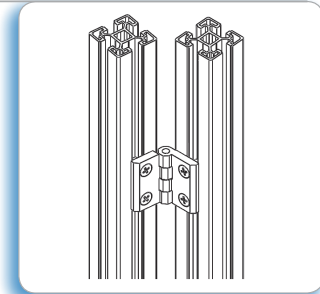
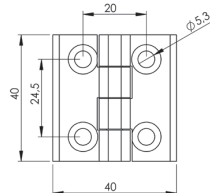
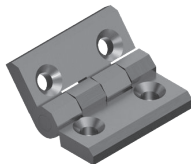
Application
Due to the almond-shaped holes, it can be used on profiles of various measures.

56091

0,136



Bisagra metálica 40x40 Inyección de aluminio
Metal hinge 40x40 Die-cast aluminium



Aplicación
De uso en puertas y paneles.

Application
Suitable for doors and panels.

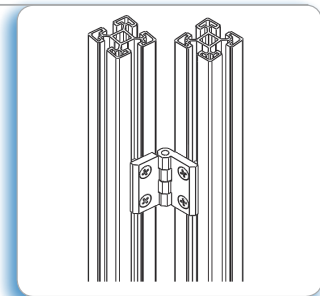
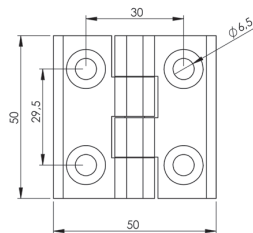
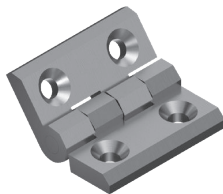


56150



0,021

Bisagra metálica 50x50 Inyección de aluminio
Metal hinge 50x50 Die-cast aluminium



Aplicación
De uso en puertas y paneles

Application
Suitable for door and panels

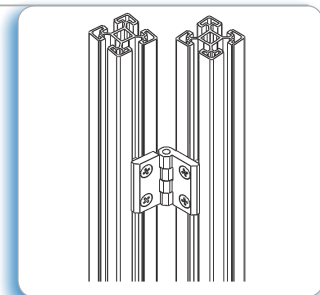
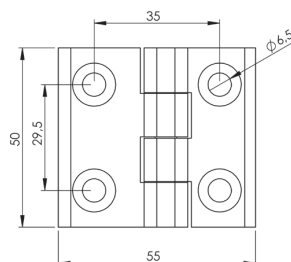
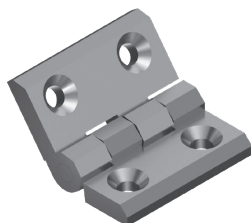


56151



0,041

Bisagra metálica 50x55 Inyección de aluminio
Metal hinge 50x55 Die-cast aluminium



Aplicación
De uso en puertas y paneles.

Application
Suitable for doors and panels



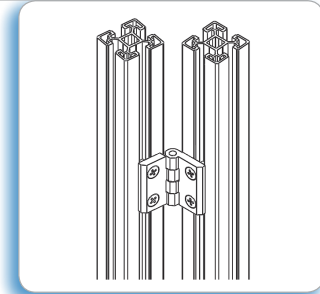
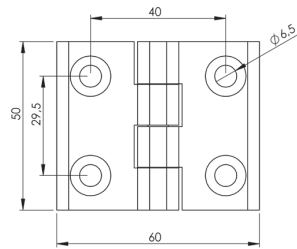
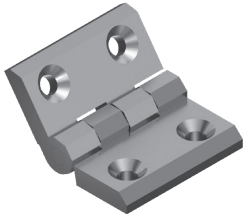
56152



0,045

FASTEN
SISTEMAS

Bisagra metálica 50x60 Inyección de aluminio
Metal hinge 50x60 Die-cast aluminium



Aplicación
De uso en puertas y paneles.

Application
Suitable for doors and panels

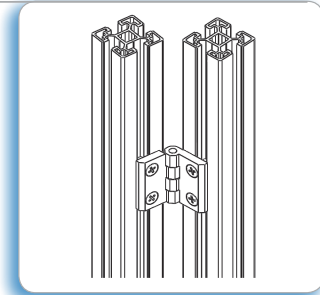
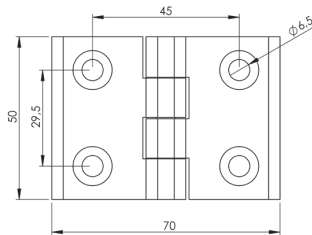
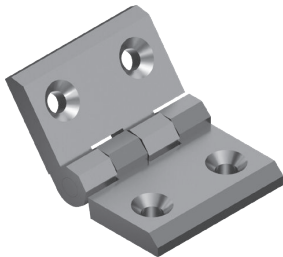


56153



0,049

Bisagra metálica 50x70 Inyección de aluminio
Metal hinge 50x70 Die-cast aluminium



Aplicación
De uso en puertas y paneles.

Application
Suitable for doors and panels



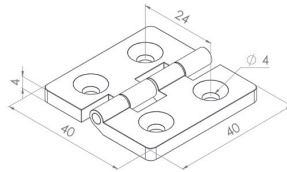
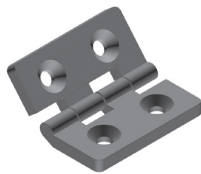
56154



0,051



Bisagra 40x40 Poliamida
Hinge 40x40 Fibreglass reinforced nylon



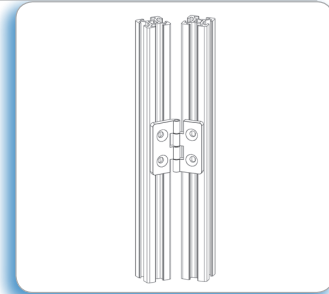
5606



0,009



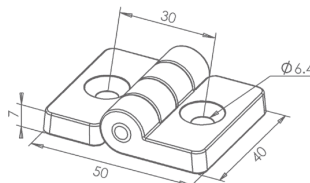
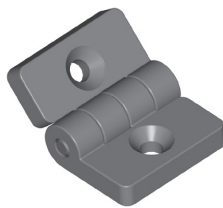
20



Aplicación
De uso en puertas y paneles de pequeñas dimensiones.

Application
Suitable for small-size doors and panels.

Bisagra 40x50 Poliamida
Hinge 40x50 Fibreglass reinforced nylon



5607

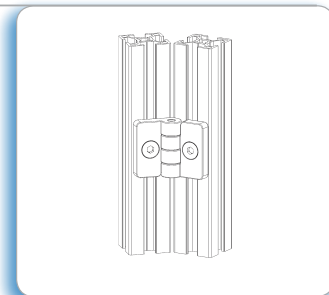


0,026



25

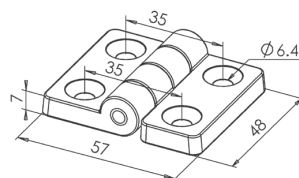
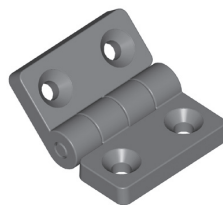
30



Aplicación
De uso en puertas y paneles de pequeñas dimensiones.

Application
Suitable for small-size doors and panels.

Bisagra 48x57 Poliamida
Hinge 48x57 Fibreglass reinforced nylon



5608

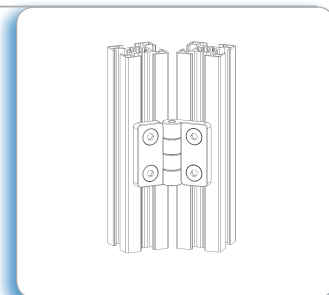


0,035



30

35

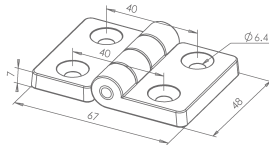
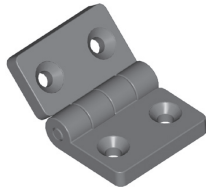


Aplicación
De uso en puertas y paneles de pequeñas dimensiones.

Application
Suitable for small-size doors and panels.

FASTEN
SISTEMAS

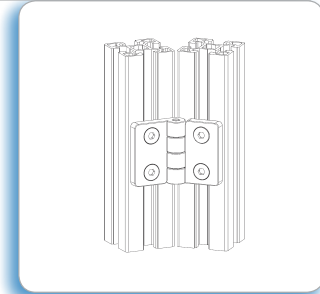
Bisagra 48x67 Poliamida
Hinge 48x67 Fibreglass reinforced nylon



5609



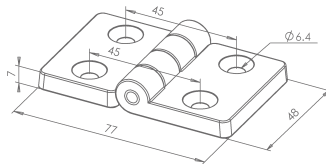
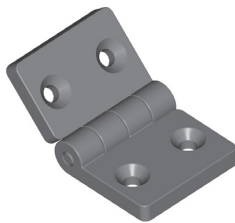
0,038



Aplicación
De uso en puertas y paneles de pequeñas dimensiones.

Application
Suitable for small-size doors and panels.

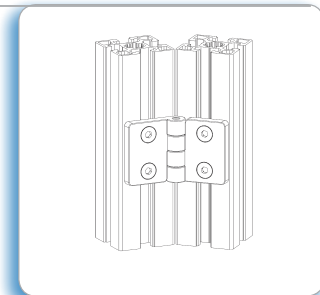
Bisagra 48x77 Poliamida
Hinge 48x77 Fibreglass reinforced nylon



56010



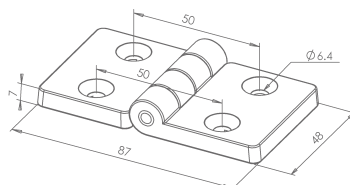
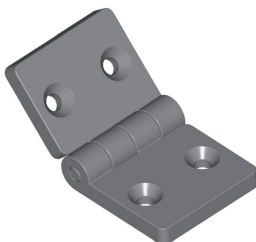
0,042



Aplicación
De uso en puertas y paneles.

Application
Suitable for doors and panels.

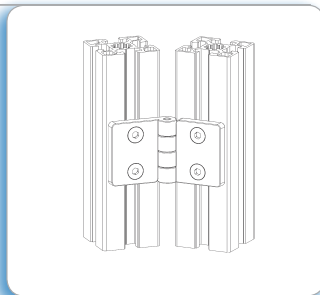
Bisagra 48x87 Poliamida
Hinge 48x87 Fibreglass reinforced nylon



56011



0,044



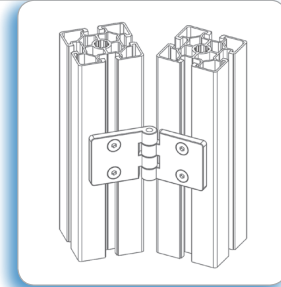
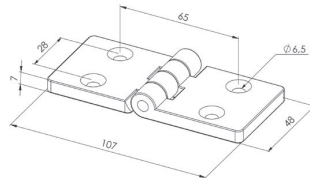
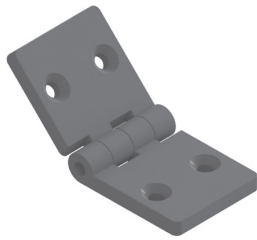
Aplicación
De uso en puertas y paneles.

Application
Suitable for doors and panels.



Bisagra 48x107 Poliamida
Hinge 48x107 Fibreglass reinforced nylon

60



Aplicación
De uso en puertas y paneles.

Application
Suitable for doors and panels.

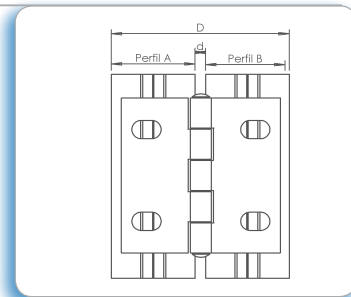
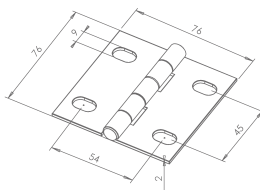
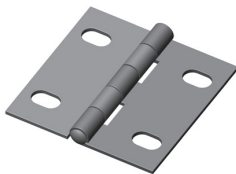


56012



0,054

Bisagra 76x76 Acero inoxidable
Hinge 76x76 Stainless steel



Aplicación
Gracias a los agujeros alargados, permite su utilización entre perfiles de múltiples medidas.

Application
Due to the almond-shaped holes it can be used on profiles of various measures.



5610

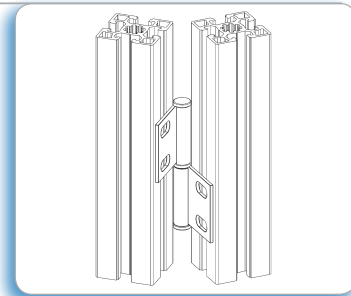
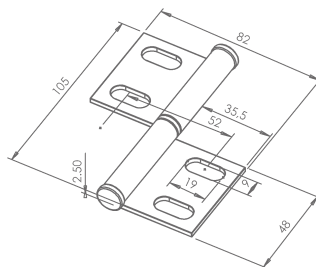
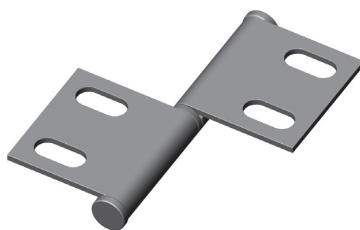


75 mm > D < 100 mm



0,118

Bisagra desmontable 105x82 Acero inoxidable
Detachable hinge 105x82 Stainless steel



Aplicación
Permite desmontar la puerta del marco sin necesidad de desatornillar la bisagra. Queda oculta entre los perfiles donde se aloja. De uso en puertas de cerramientos de seguridad y vallados.

Application
The door can be lifted-off without unscrewing the hinge. The hinge remains hidden between both profiles. Recommended for the assembly in safety enclosure doors.



56111



Mod. Izda./Left.



0,150

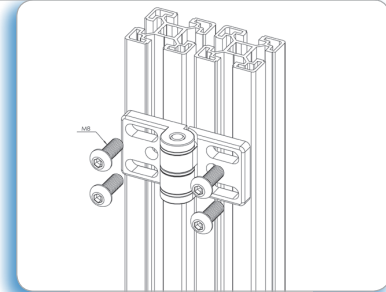
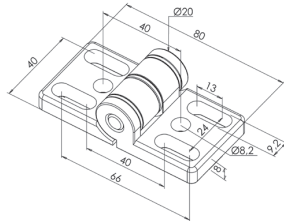
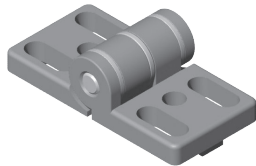
56112

Mod. Dcha./Right.

0,150

**FASTEN
SISTEMAS**

Bisagra metálica 80x40 Inyección de zinc
Metal hinge 80x40 Die-cast zinc



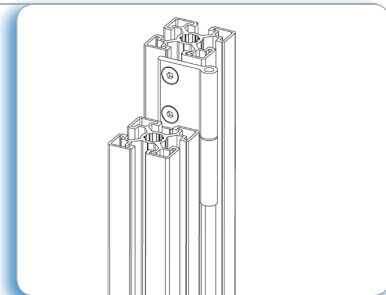
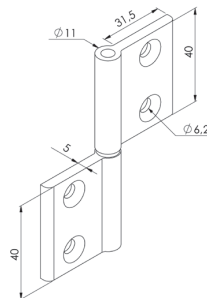
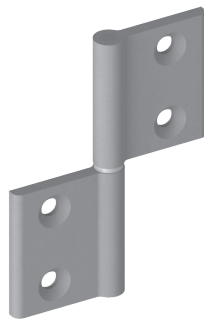
Aplicación

La unión de los perfiles puede realizarse tanto en el canal como en el extremo de los perfiles. Si fuera necesario, pueden eliminarse las pestañas de posicionamiento utilizando un destornillador.

Application

Fastening is possible on profile slots or at the end of profiles. If required, the guiding pin can be removed with a screwdriver.

Bisagra desmontable Aluminio anodizado
Detachable hinge Anodized aluminium



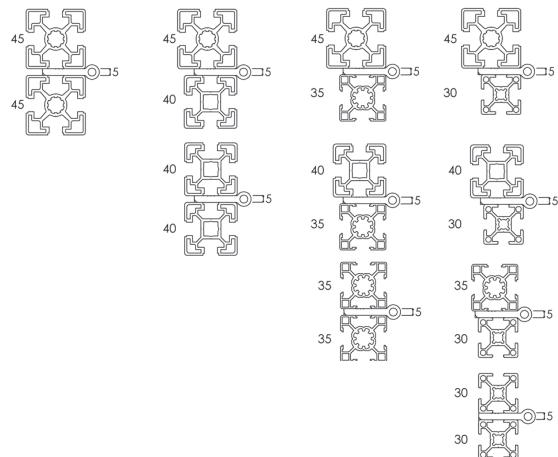
Aplicación

Permite desmontar la puerta del marco sin necesidad de desatornillar la bisagra. Queda oculta entre los perfiles donde se aloja. De uso en puertas de cerramientos de seguridad y vallados.

Application

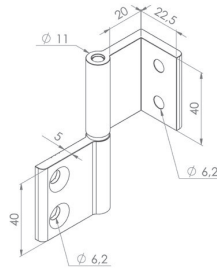
The door can be lifted-off without unscrewing the hinge. The hinge remains hidden between both profiles. Recommended for the assembly in safety enclosure doors.

Barcode	Weight icon	Weight
56130	45-45	0,06
56131	45-40	0,06
56132	45-35	0,06
56133	45-30	0,06
<hr/>		
56134	40-40	0,06
56135	40-35	0,06
56136	40-30	0,06
<hr/>		
56137	35-35	0,06
56138	35-30	0,06
<hr/>		
56139	30-30	0,06

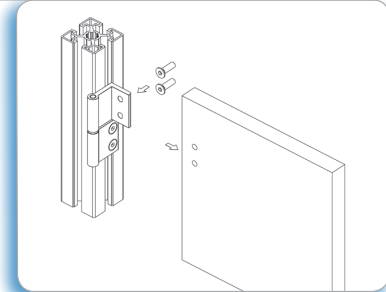
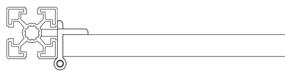




Bisagra desmontable para panel Aluminio anodizado
Detachable hinge for panel Anodized aluminium



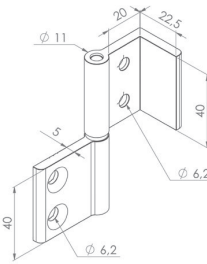
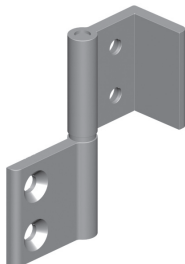
Barcode	Length	Weight
56144	30	0,07
56145	35	0,07
56146	40	0,07
56147	45	0,07



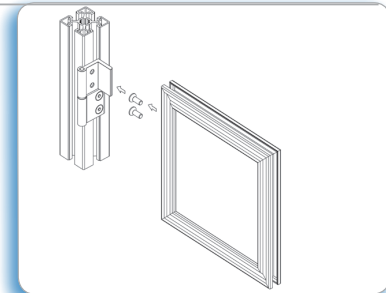
Aplicación
Para el montaje de puertas abatibles sin marcos en los perfiles. Los paneles o tableros van fijados directamente a la bisagra.

Application
For the assembly of non frame swinging doors to profiles. Panels are directly attached to hinges.

Bisagra desmontable para perfil marco 20x22,5 mm Aluminio anodizado
Detachable hinge for frame profile 20x22,5 mm Anodized aluminium



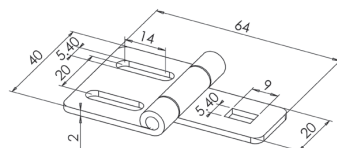
Barcode	Length	Weight
56140	30	0,07
56141	35	0,07
56142	40	0,07
56143	45	0,07



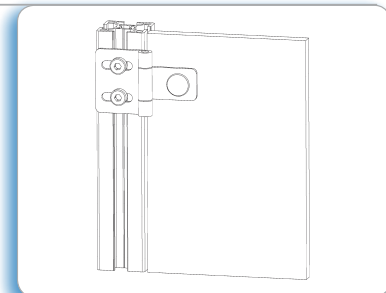
Aplicación
Para el montaje de puertas abatibles en los perfiles. De uso con el perfil marco 20x22,5 cod.50946.

Application
For the assembly of swinging doors to profiles. To be used with frame profile 20x22,5 cod.50946.

Bisagra metálica 40x64 Acero, color negro
Hinge 40x64 Steel, black



Barcode	Weight
5611	0,038

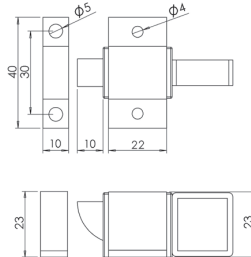
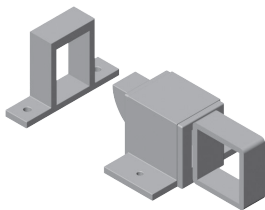


Aplicación
Para puertas y tapas que necesiten un giro de 180°. Esta bisagra puede ser fijada en el interior de los perfiles.

Application
For lids and doors that need 180° swing. Hinge can be attached on the inside.

FASTEN SISTEMAS

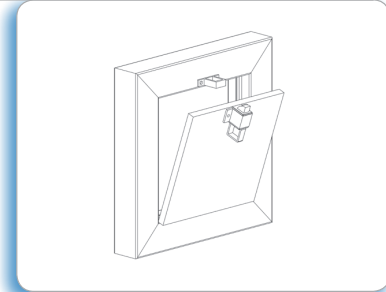
Cierre golpete Aluminio, anodizado natural Door catch Anodized aluminium



56311



0,040



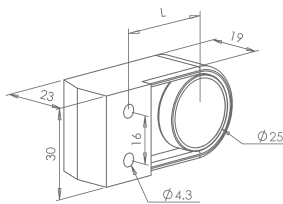
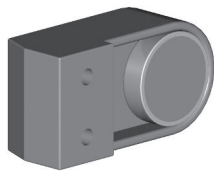
Aplicación

Para puertas abatibles. Se puede colocar tanto en los canales de los perfiles como directamente sobre los paneles.

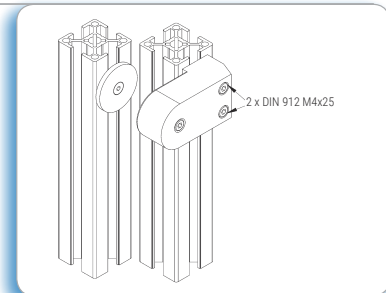
Application

For the assembly of swinging doors. It can be fixed on the profile slot or directly attached to panels.

Cierre magnético Poliamida, color negro Slam latch Fibreglass reinforced nylon, black



25
30
35



Aplicación

Para uso en puertas abatibles construidas en perfiles de sección pequeña: 25, 30 y 35 mm.

Application

To use in doors built with small section profiles: 25, 30, 35 mm.



56322

56323



30 mm

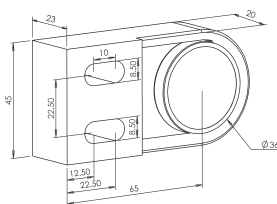
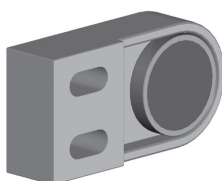
35 mm



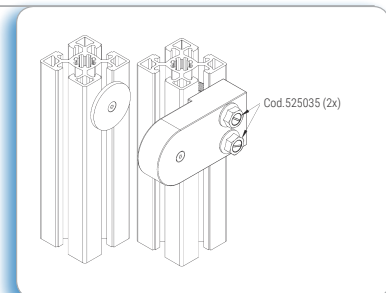
0,068

0,068

Cierre magnético Poliamida, color negro Slam latch Fibreglass reinforced nylon, black



40
45



Aplicación

Para uso en puertas abatibles construidas en perfiles de sección grande: 40, 45 mm.

Application

To use in doors built with large section profiles: 40, 45 mm.



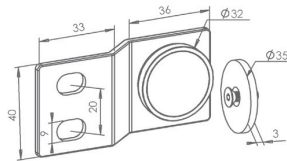
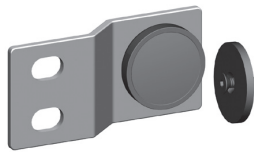
56324



0,118



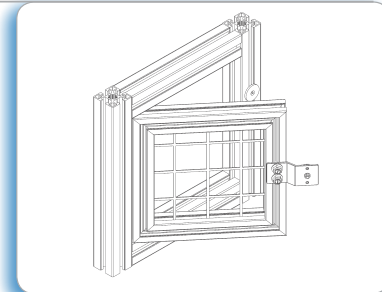
Cierre magnético Acero zincado
Magnetic lock Zinc plated steel



5632



0,127



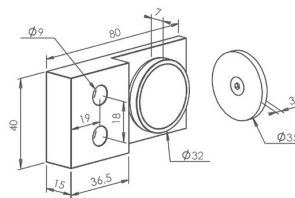
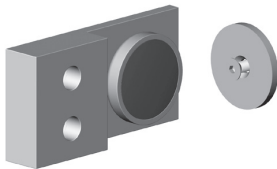
Aplicación

Para puertas abatibles. Se puede colocar tanto en los canales de los perfiles como directamente sobre los paneles.

Application

For the assembly of swinging doors. It can be fixed on the profile slot or directly attached to panels.

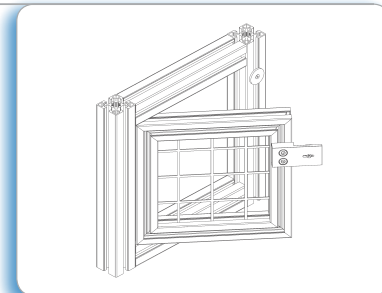
Cierre magnético Aluminio anodizado
Magnetic lock Anodized aluminium



56321



0,114



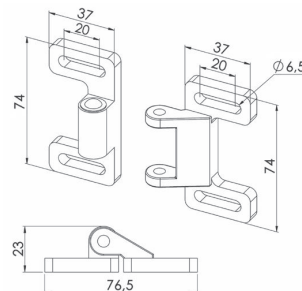
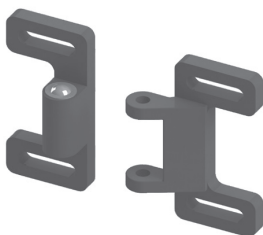
Aplicación

Para puertas abatibles. Se puede colocar tanto en los canales de los perfiles como directamente sobre los paneles.

Application

For the assembly of swinging doors. It can be fixed on the profile slot or directly attached to panels.

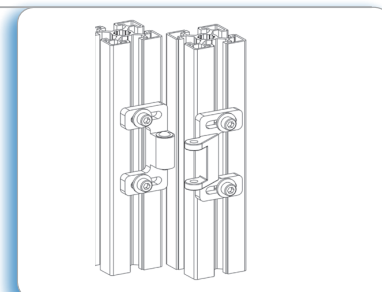
Cierre de bolas reforzado Poliamida reforzada, negro
Reinforced ball catch Fiberglass reinforced nylon, black



56302



0,046



Aplicación

Para puertas correderas y abatibles. Se puede colocar tanto en los canales de los perfiles como directamente sobre los paneles.

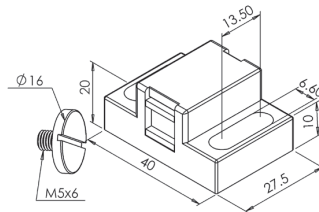
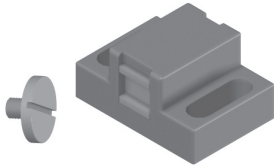
Application

For the assembly of sliding and swinging door. It can be fixed on the profile slot or directly attached to panels.

FASTEN SISTEMAS

Imán Poliamida, color negro

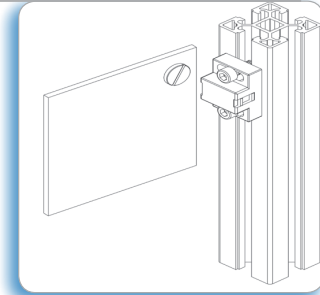
Magnet Fiberglass reinforced nylon, black



5634



0,034



Aplicación

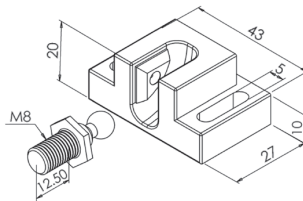
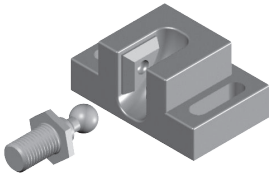
Para puertas correderas y abatibles. Se puede colocar directamente sobre los paneles.

Application

For the assembly of sliding and swinging doors. It can be mounted directly attached to panels.

Cierre enganche Poliamida color negro

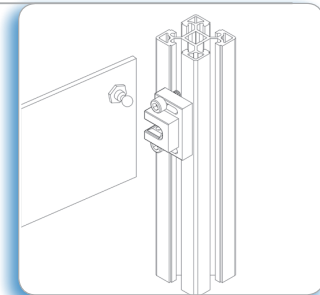
Ball catch Fiberglass reinforced nylon, black



563241



0,026



Aplicación

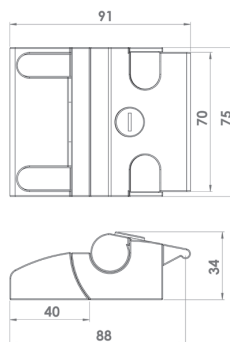
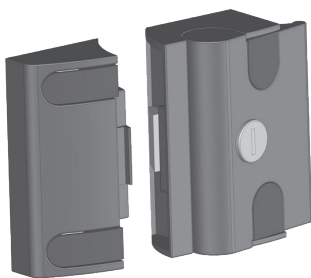
Para puertas correderas y abatibles. Se puede colocar directamente sobre los paneles.

Application

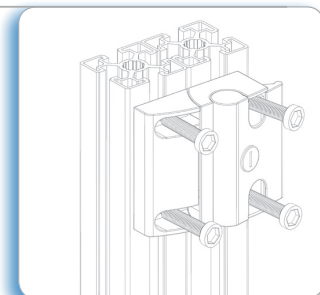
For the assembly of sliding and swinging doors. It can be mounted directly attached to panels.

Cerradura de sobrepone con llave Inyección de zinc, color negro

Overlap lock Die-cast zinc, black colour



No necesita mecanización
No Machining needed



Aplicación

Para cerrar puertas de forma segura. Válida para tope a la izquierda y a la derecha. El montaje no necesita de mecanización de los perfiles. Llave incluida.

Application

To close doors securely. Suitable for both right and left hands. Assembly does not need machining of profiles. Key included.



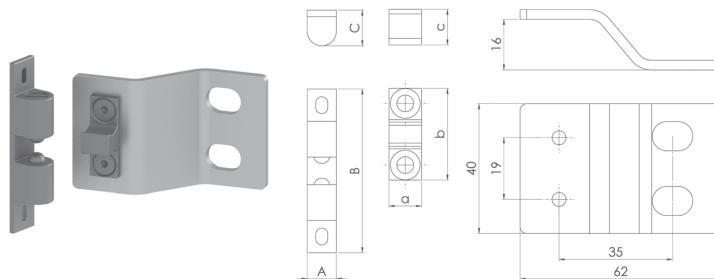
563251



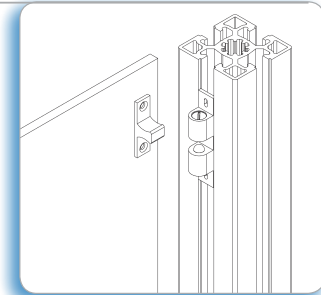
0,55



Cierre de bolas Latón con bolas de acero inoxidable
Ball catch Brass, stainless steel balls



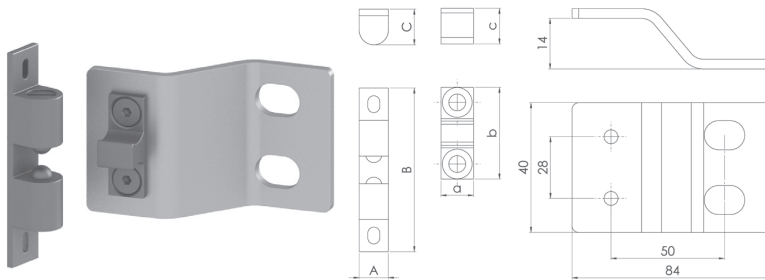
56301	A	B	C	a	b	c	kg
56301	9	50	11	9,2	28,5	11	0,087



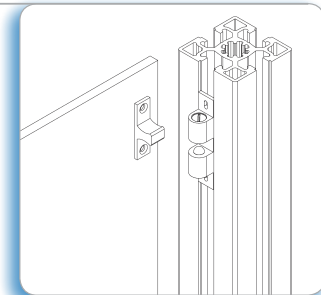
Aplicación
Para puertas correderas y abatibles. Se puede colocar tanto en los canales de los perfiles como directamente sobre los paneles.

Application
For the assembly of sliding and swinging door. It can be fixed on the profile slot or directly attached to panels.

Cierre de bolas Latón con bolas de acero inoxidable
Ball catch Brass, stainless steel balls



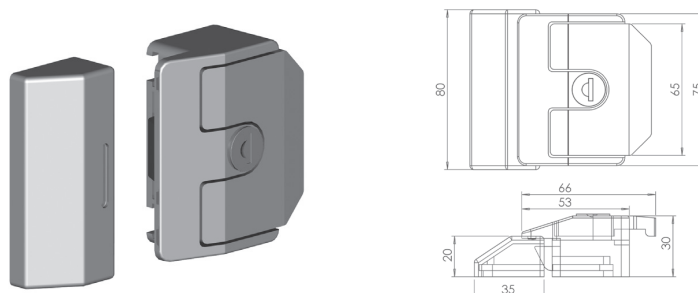
5630	A	B	C	a	b	c	kg
5630	11,5	60	13	10,5	37,2	12,5	0,127



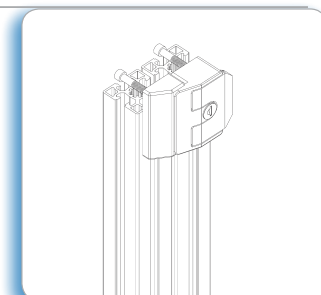
Aplicación
Para puertas correderas y abatibles. Se puede colocar tanto en los canales de los perfiles como directamente sobre los paneles.

Application
For the assembly of sliding and swinging door. It can be fixed on the profile slot or directly attached to panels.

Cierre con llave Inyección de zinc, color negro
Slam latch Die-cast zinc, black colour



56325	kg
56325	0,563

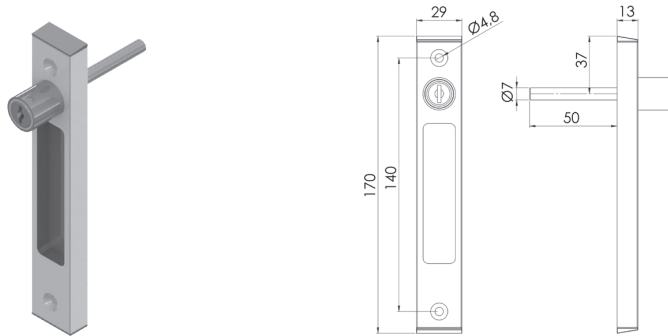


Aplicación
Para cerrar puertas de forma segura. Válida para tope a la izquierda y a la derecha. Montaje desde el interior de los perfiles. Llave universal incluida.

Application
To close doors securely. Suitable for both right and left hands. Assembly from the interior side of profiles. Universal key included.

FASTEN
SISTEMAS

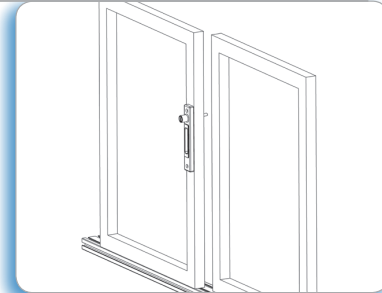
Cerradura central puerta corredera Aluminio, color negro
Sliding door lock Aluminium, black



56326



0,156



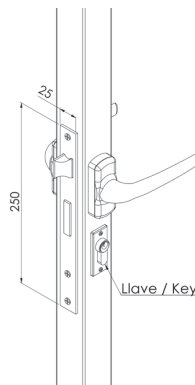
Aplicación

Para el cierre de puertas correderas con marcos. Se necesita realizar un taladro Ø8 mm. en el perfil de fijación del cierre. Llaves incluidas.

Application

To close sliding doors with frame, Drill Ø8 mm. needed in lock fixing profile. Keys included.

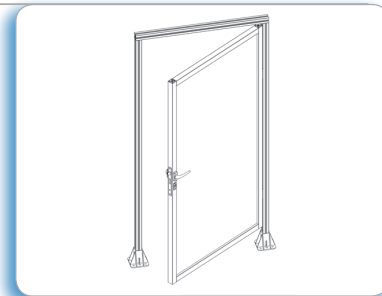
Cerradura integrada
Integrated lock



56327



0,4



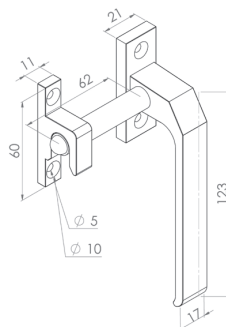
Aplicación

Para el cierre de puertas abatibles. La cerradura va integrada en el perfil vertical de 45x45. Incluye tirador y llaves.

Application

To close swing doors securely. Lock is integrated in the vertical profile 45x45. Lever and keys included.

Cierre de presión Aluminio, anodizado natural
Locking kit Anodized aluminium



56331



Mod. Izda./Left.

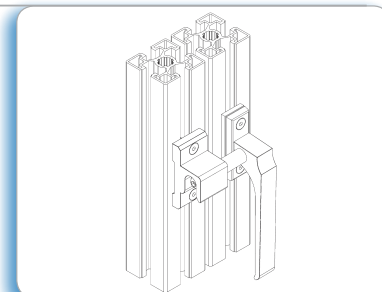


0,181

56332

Mod. Dcha./Right.

0,181



Aplicación

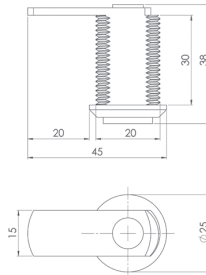
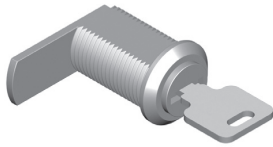
Como cierre de puertas abatibles. Se puede colocar tanto en los canales de los perfiles como directamente sobre los paneles.

Application

It can be fixed on the profile slot or directly attached to panels.



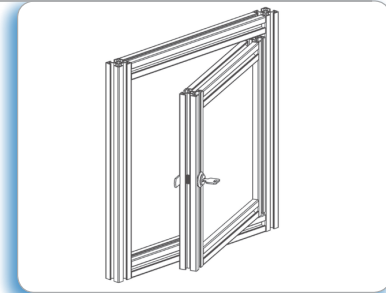
Cierre bombillo Acero zincado
Bulb lock Zinc plated steel



56328



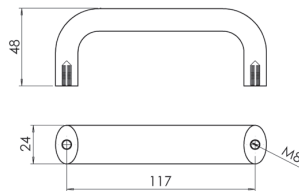
0,065



Aplicación
Para embutir en los perfiles de la serie 30mm mediante mecanizado Ø20 mm. Llaves iguales.

Application
To be used in profiles serie 30 mm. The profile must be drilled with a 20 mm diameter hole. Keys alike.

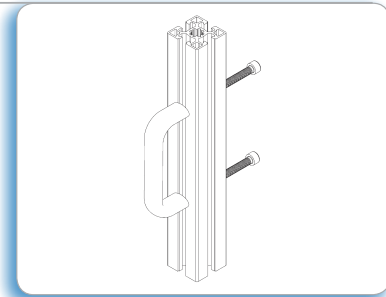
Tirador en U Poliamida, color negro
U handle Fibreglass reinforced nylon, black



5626



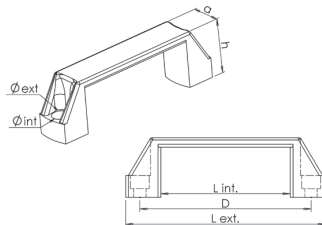
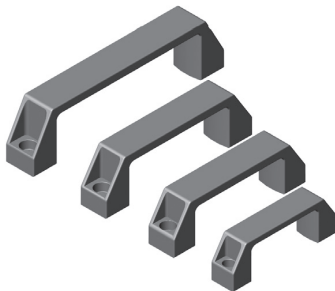
0,090



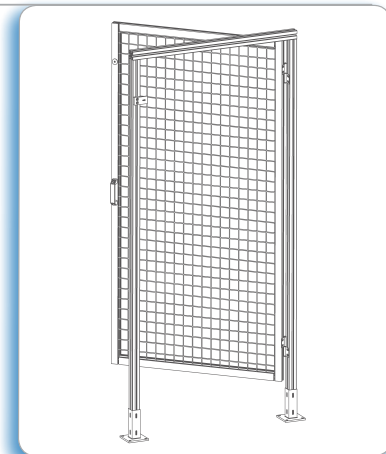
Aplicación
Para todo tipo de puertas y paneles. Debe ser montado roscando un tornillo por detrás.

Application
For all types of doors and panels. Handle must be rear-mounted.

Tiradores Poliamida reforzada
Handle Fibreglass reinforced nylon



Barcode	L ext	D	a	h	Ø.int.	Ø.ext.	Kg
5620	109	93	20	41	6,7	11	0,028
5621	136	117	25	42	8,5	14	0,047
5622	152	133	25	47	8,5	14	0,055
5623	195	175	28	51	8,5	14	0,08

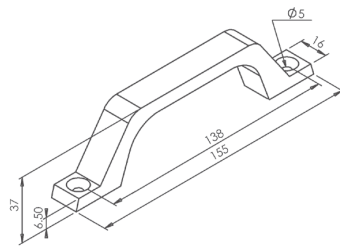


Aplicación
Para todo tipo de puertas y paneles.

Application
For any type of door or panel.

FASTEN
SISTEMAS

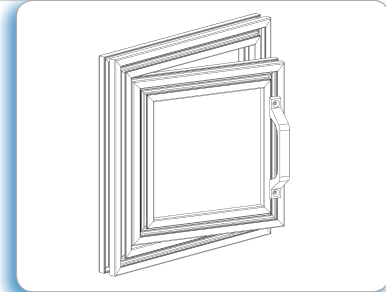
Tirador Aluminio, anodizado natural
Bow handle Anodized aluminium



5624



0,068



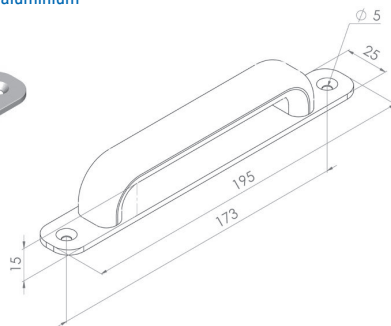
Aplicación

Para todo tipo de puertas y paneles.

Application

For any type of door or panel.

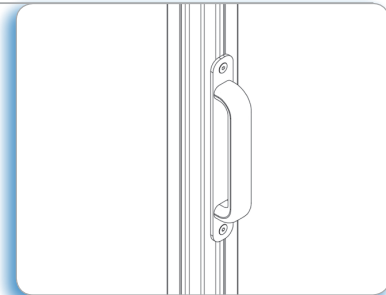
Tirador con soporte Aluminio anodizado
Handle with support Anodized aluminium



5628



0,166



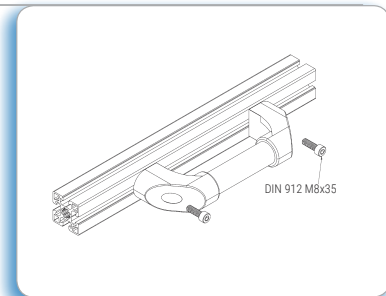
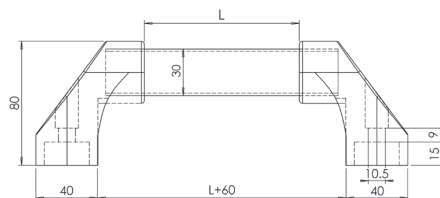
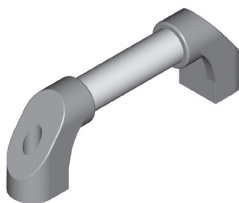
Aplicación

Tirador para sobreponer en todo tipo de puertas y paneles.

Application

Handle with support surface mounted for any type of door or panel.

Asa tubular Poliamida reforzada, aluminio anodizado
Tubular handle Fibreglass reinforced nylon, anodized aluminium



Aplicación

Para construir asas de cualquier longitud.

Application

To build up handles of different sizes.

SUJECCIÓN ASA TUBULAR / HOLDER



5625



0,099

TUBO $\phi 30 \times 2$ / TUBE $\phi 30 \times 2$



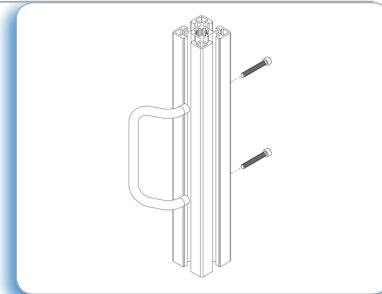
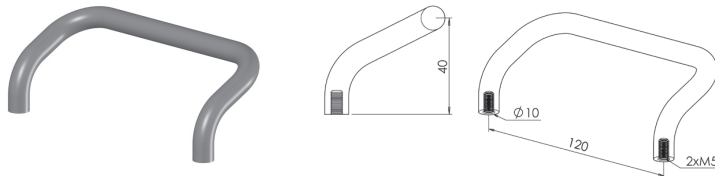
5093



0,47



Asa Aluminio color negro
Handle Aluminium black



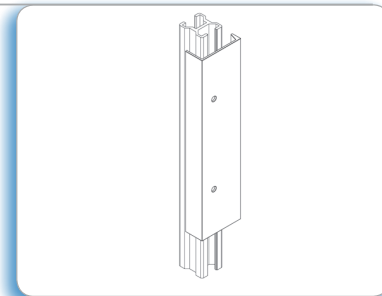
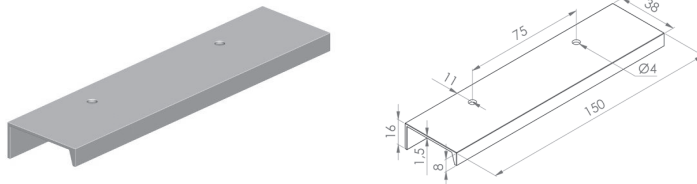
Aplicación

Permite un mayor espacio para colocación de las manos durante la apertura o cierre de la puerta. Debe ser montada roscando un tornillo por detrás.

Application

Allows a wider space for hands positioning while opening or closing doors. Handle must be rear mounted.

Tirador perfil marco 20x22,5 Aluminio anodizado
Handle frame profile 20x22,5 Anodized aluminium



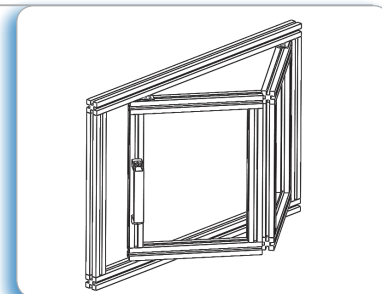
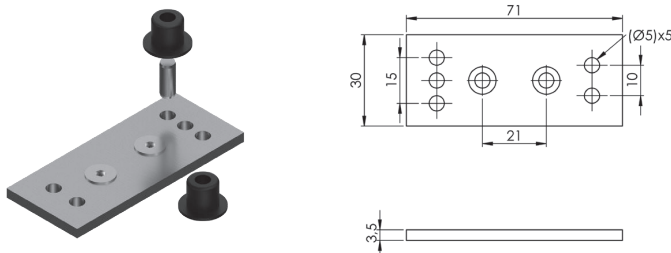
Aplicación

Tirador para sobreponer en el perfil marco 20x22,5 mm.

Application

Handle surface mounted for frame profile 20x22,5 mm.

Pletina pivotante puerta plegable Inyección de zinc
Folding door pivot plate Die-cast zinc



Aplicación

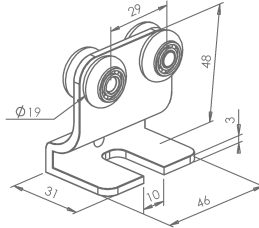
Conjunto pletina más pivote para el montaje de puertas plegables. Tornillería incluida:
2 x DIN 7991 M5x10
2 tuercas 52075

Application

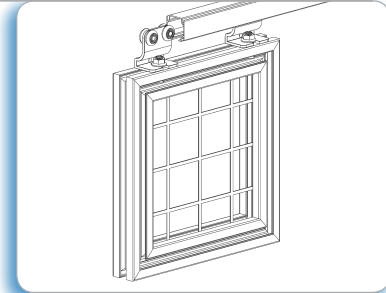
Pivot plate for the construction of folding doors. Screws and nuts included:
2 x DIN 7991 M5x10
2 nuts 52075

FASTEN SISTEMAS

Roldana para puerta corredera Acero zincado / acero inoxidable Sliding door suspensory roller Zinc plated steel / stainless steel



	
5641	0,100
5641I - Inox.	0,100



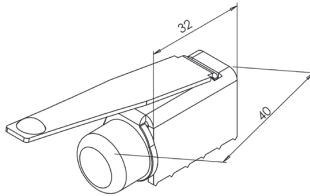
Aplicación

Para puertas correderas. La roldana se fija a la puerta mediante el uso de un tornillo cabeza de martillo y desliza sobre el perfil guía.

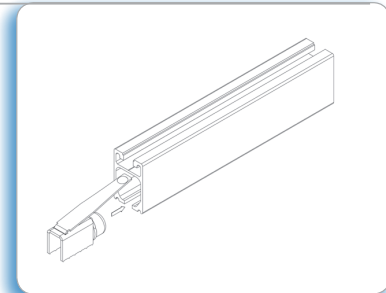
Application

For the assembly of sliding doors. Once fixed to the door frame with a T-head bolt, suspensory roller slides across the aluminium guiding profile.

Topo roldana perfil corredera Acero zincado Sliding door stopper Zinc plated steel



	
5640	0,042



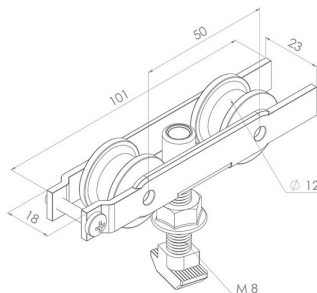
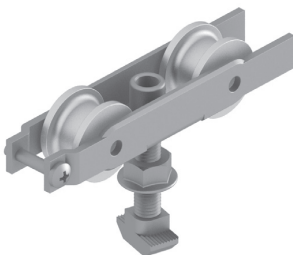
Aplicación

Para evitar que la puerta corredera se salga del perfil. Ajustar el retenedor mediante el tornillo.

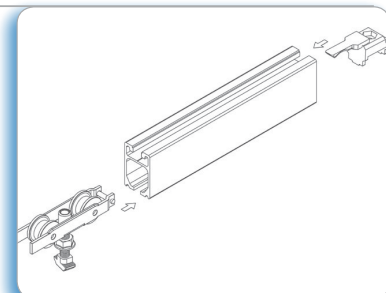
Application

To prevent sliding door falling from the profile. Stopper can be adjusted using the screw.

Carro para puerta corredera Acero zincado / Nylon Roller top track Zinc plated steel / Nylon



	
5644	0,1



Aplicación

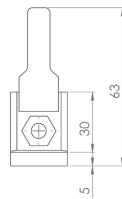
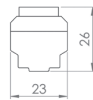
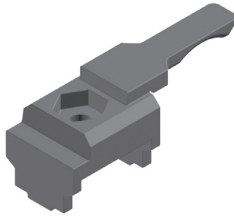
Para puertas correderas. El carro se fija a la puerta mediante el uso de un tornillo y se desliza sobre el perfil guía.

Application

For the assembly of sliding doors. Once fixed to the door frame with a bolt, top track slides across the aluminium guiding profile.



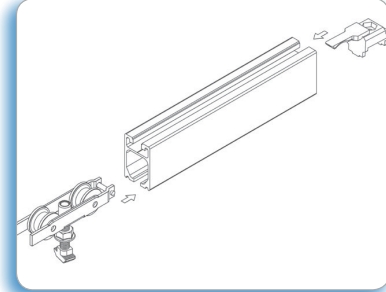
Freno para carro puerta corredera Poliamida reforzada
Stop roller top track Fibreglass reinforced nylon



5645



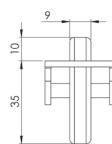
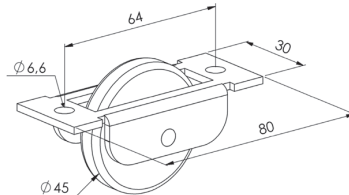
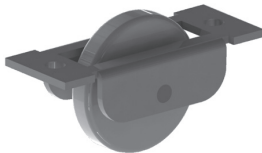
0,015



Aplicación
Para evitar que la puerta corredera se salga del perfil.

Application
To prevent sliding door falling from the profile.

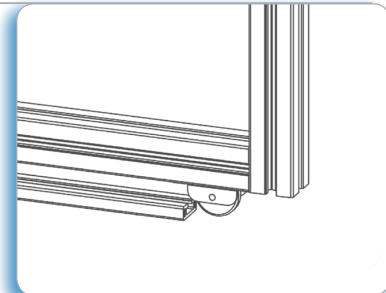
Rodabloc 45 Acero zincado
Roller 45 Zinc plated steel



5643



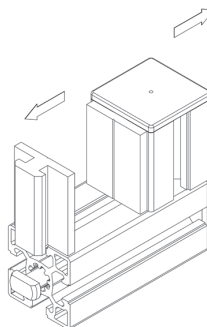
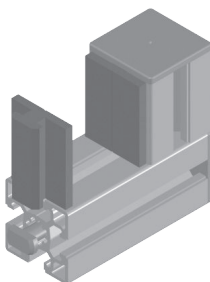
0,081



Aplicación
Para la construcción de puertas correderas. Rueda de nylon 45 con rodamiento 608 insertado.

Application
For the assembly of sliding profiles. Nylon wheel with roller 608.

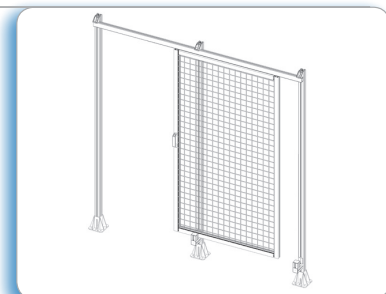
Guia inferior puerta corredera
Sliding door guide



5642



0,442



Aplicación
Para guiar la puerta corredera durante su apertura o cierre evitando oscilamientos.

Application
To prevent sliding door from moving during opening or closure.

FASTEN
SISTEMAS

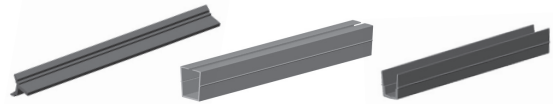


PERFILES PLÁSTICOS

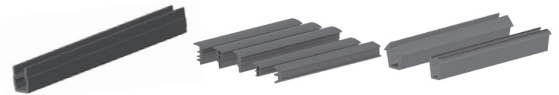
página/page 108



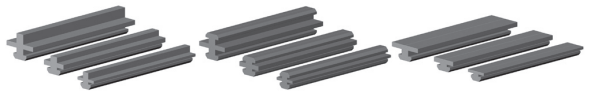
página/page 109



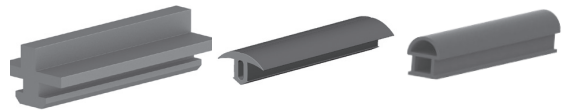
página/page 110



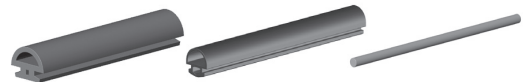
página/page 111



página/page 112



página/page 113



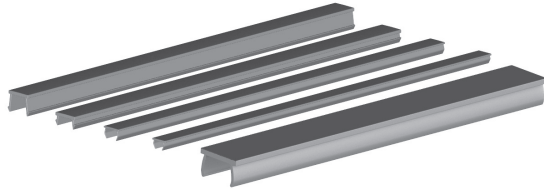
página/page 114



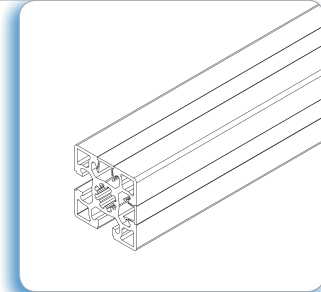
PLASTIC PROFILES

FASTEN SISTEMAS

Tapacanal rígido Material termoplástico / Aluminio Groove cover profile Plastic / Aluminium



Icono	L	Color / material	Icono	[kg]
	6 m	Aluminio	40/45/50/60/80/90	0,1
	3 m	Negro/Black	40/45/50/60/80/90	0,06
	3 m	Gris/Grey	40/45/50/60/80/90	0,06
	3 m	Azul/Blue	40/45/50/60/80/90	0,6
	3 m	Rojo/Red	40/45/50/60/80/90	0,6
	3 m	Amarillo/Yellow	40/45/50/60/80/90	0,6
	3 m	Blanco/White	40/45/50/60/80/90	0,6
	3 m	Negro/Black	35	0,04
	3 m	Negro/Black	30	0,02
	3 m	Negro/Black	25	0,02



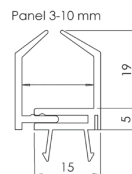
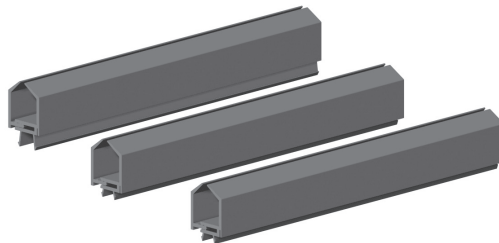
Aplicación

Para el recubrimiento de los canales de los perfiles de aluminio. Se recomienda su uso para evitar la acumulación de partículas o para mantener los cables en los canales del perfil.

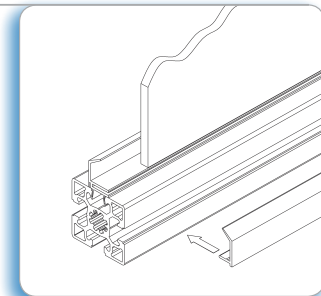
Application

For the covering of profile slots. Recommended to avoid accumulation of particles or to keep cables inside profile slots.

Juego junquillo de panelar Material termoplástico, doble dureza. Color negro Clamping profile set Double hardness plastic, black



Icono	L	Icono	[kg]
	3 m	40/45/60/80/90	0,18
	3 m	35	0,17
	3 m	30	0,15



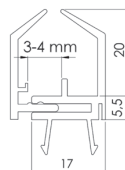
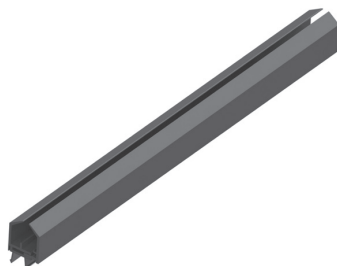
Aplicación

Permite la fijación de paneles en las estructuras de aluminio con posterioridad a que éstas hayan sido montadas. Indicado para paneles de espesor: 4-8 mm.

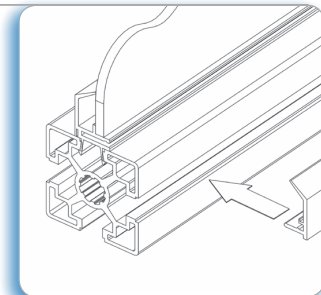
Application

Enables the fixing of panels subsequent to the assembly of the aluminium structure.

Juego junquillo de panelar con pestaña Material termoplástico, doble dureza. Clamping profile set with stud Double hardness plastic, black



Icono	L	Icono	[kg]
	3 m	40/45/60/80/90	0,18



Aplicación

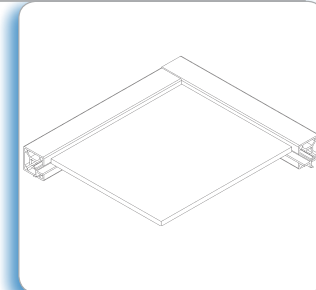
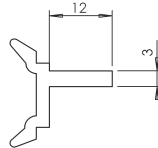
Permite la fijación de paneles en las estructuras de aluminio con posterioridad a que estas hayan sido montadas. Indicado para paneles de espesor: 3-4 mm.

Application

Enables the fixing of panels subsequent to the assembly of the aluminium structure.



Tirasoporte Material termoplástico. Color negro
Shelf support profile Plastic, black

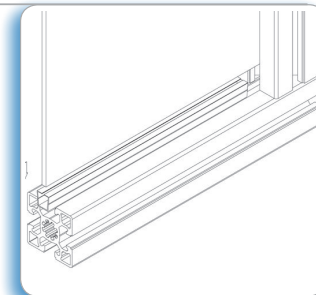
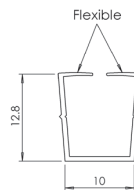
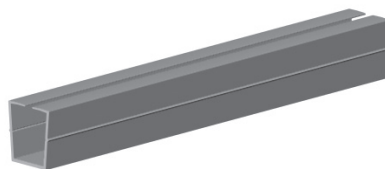


Aplicación
Permite la colocación de baldas. Introducir el tirasoporte en el canal del perfil y apoyar la balda.

Application
For fixing shelves to profiles. Introduce the shelf support profile in the aluminium profile slot and place the shelf.





			
5114	3 m	30	0,06

Perfil para ribetear, doble dureza PVC/goma
Double hardness edge profile PVC/rubber

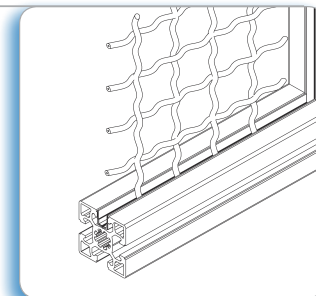
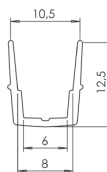
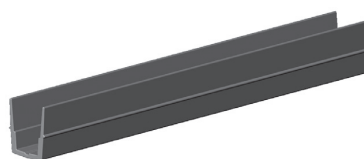


Aplicación
Permite la fijación de paneles de distinto espesor directamente en el canal del perfil. Válido para paneles de espesor desde 1,5 - 6mm. Los labios de goma flexible hacen posible su uso con paneles de distinto espesor.

Application
For covering the profile groove and holding panel elements. The flexible rubber lips make possible the use of different panel thickness.

			Col.	Panel	
51102	3 m	35/40/45/50/60/80/90	Negro/Black	e = 1,5 - 6 mm	0,045
511021	3 m	35/40/45/50/60/80/90	Gris/Grey	e = 1,5 - 6 mm	0,045

Perfil reductor: 8-6 mm Material termoplástico. Color negro
Slot reducer profile: 8-6 mm Plastic, black



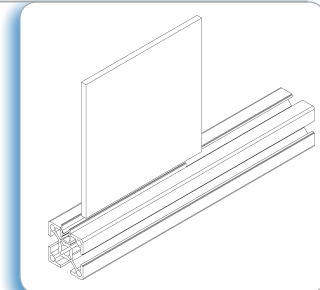
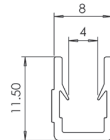
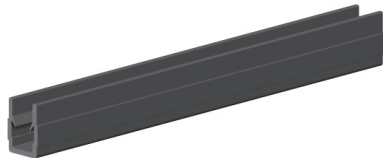
Aplicación
Permite la fijación de rejillas de protección y paneles de espesor 6 y 8 mm en el canal del perfil.

Application
For fixing protection grills and panels inside the profile slot. Panel thickness: 6-8 mm.

			
5110	3 m	35/40/45/50/60/80/90	0,06

FASTEN SISTEMAS

Perfil reductor: 8-4 mm Material termoplástico. Color negro
Slot reducer profile: 8-4 mm Plastic, black



Aplicación

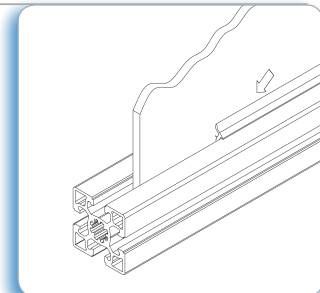
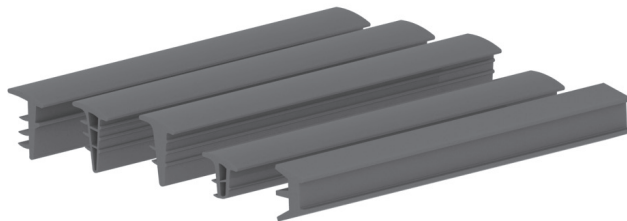
Permite la fijación de rejillas de protección y paneles en el canal del perfil. De uso para la fijación de rejillas de protección o paneles de espesor: 4 mm.

Application

For fixing protection grills and panels inside the profile slot. Panel thickness: 4 mm.

51101	3 m	30	0,06

Goma en cuña, ajuste paneles Color negro
Plug-in seal Rubber, black



Aplicación

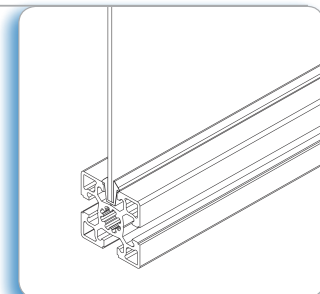
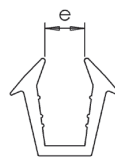
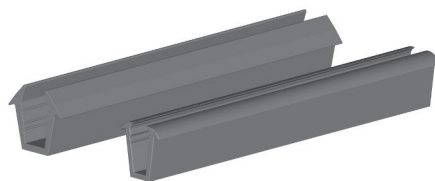
Permite la fijación de paneles directamente en el canal del perfil. De uso en montajes que requieran estanqueidad.

Application

For Assembling panels inside the profile slot. To be used in constructions that require imperviousness.

	Canal	Panel			Canal	Panel	
51036	10	e = 8 mm	0,1	51039	8	e = 6 mm	0,1
5103	10	e = 6 mm	0,1	51031	8	e = 5 mm	0,1
51037	10	e = 4 - 5 mm	0,1	9403/51040	8	e = 3 - 4 mm	0,1
51033	10	e = 3 mm	0,1	51034	8	e = 1 - 2 mm	0,1
51038	10	e = 1 - 2 mm	0,1	51030	6	e = 3 mm	0,1

Goma en U, ajuste paneles Color negro
U-seal Rubber, black



Aplicación

Permite la fijación de paneles directamente en el canal del perfil. De uso en montajes que requieran estanqueidad en ambos lados.

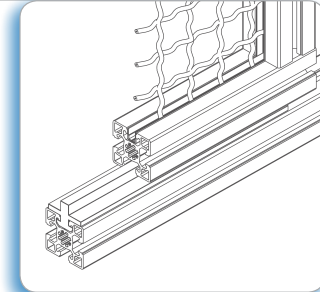
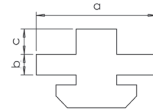
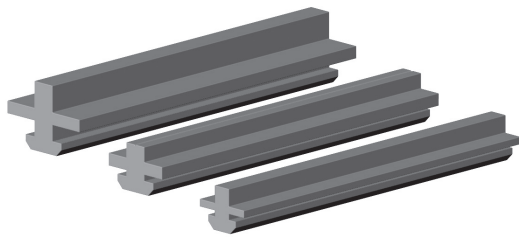
Application

For Assembling panels inside the profile slot. To be used in constructions that require imperviousness from both sides.

		Panel	
5102	40/45/50/60/80/90	e = 4 - 6 mm	0,13
510230	30	e = 3 - 4 mm	0,1



Perfil deslizante guía Polietileno, negro
Guiding slide profile Polyethylen, black



Aplicación

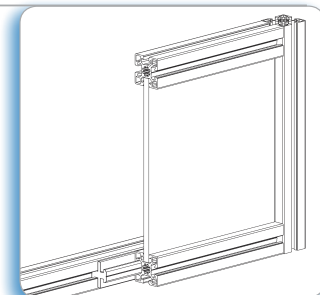
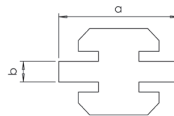
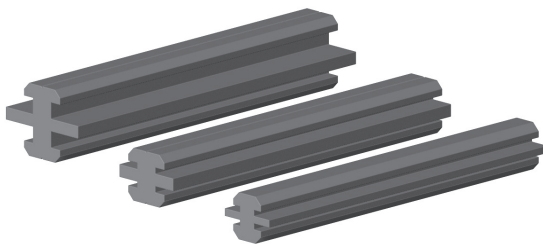
Para el guiado de puertas correderas y de otras construcciones que requieran desplazamientos longitudinales.

Application

As guiding profile, for linear sliding of doors and other constructions.

	L		Kg	a	b	c
5113	3 m	40/45/50/60/80/90	0,44	39	5	10,5
511335	3 m	35	0,30	29	5	6
511330	3 m	30	0,20	24	3	7

Perfil deslizante doble Polietileno, negro
Double slide profile Polyethylen, black



Aplicación

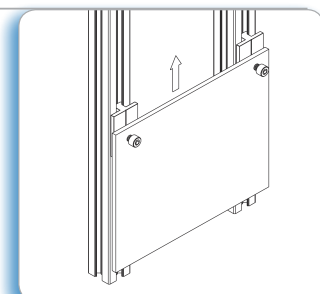
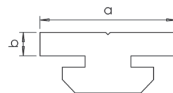
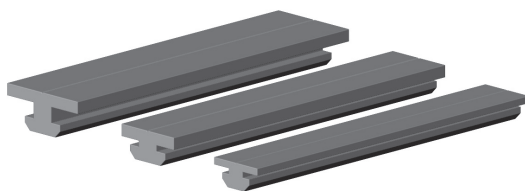
Para el guiado de puertas correderas y de otras construcciones que requieran desplazamientos longitudinales.

Application

Enables linear sliding of profiles. It can be used for leverage doors and other structures.

	L		Kg	a	b
5108	3 m	40/45/50/60/80/90	0,50	39	5
510835	3 m	35	0,38	29	5
510830	3 m	30	0,24	24	3

Perfil deslizante Polietileno, negro
Slide profile Polyethylen, black



Aplicación

Permite la construcción de elementos de corredera; de uso en puertas levadizas, bandejas móviles, etc.

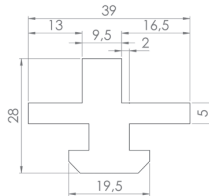
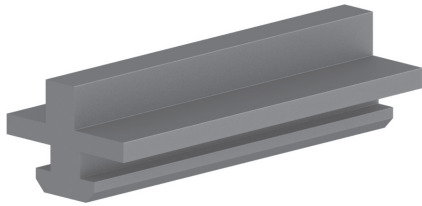
Application

Enables linear sliding of structures. It can be used for leverage doors, trays,...

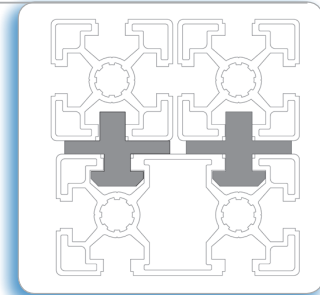
	L		Kg	a	b
5107	3 m	40/45/50/60/80/90	0,35	39	5
510735	3 m	35	0,26	29	5
510730	3 m	30	0,16	24	3

FASTEN SISTEMAS

Perfil deslizante guía desplazado Polietileno, negro
Guiding slide displaced profile Polyethylen, black



10 mm



Aplicación

Para el guiado de puertas correderas y de otras construcciones que requieran desplazamientos longitudinales.

Application

As guiding profile, for linear sliding of doors and other constructions.



51131



3 m

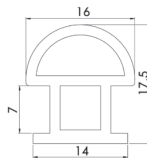
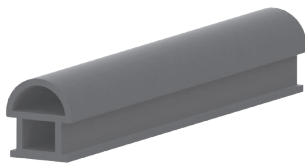


40/45/50/60/80/90

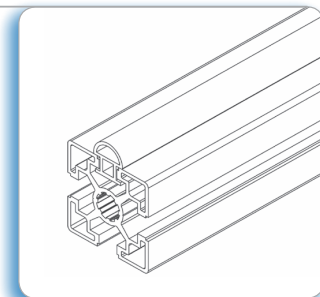


0,44

Goma cierre puertas PVC. negro
Closing door rubber Rubber, black



10 mm



Aplicación

Permite la estanqueidad de puertas y marcos.

Application

Allows sealing doors and frames.

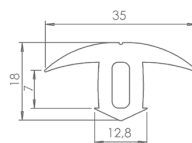


5116

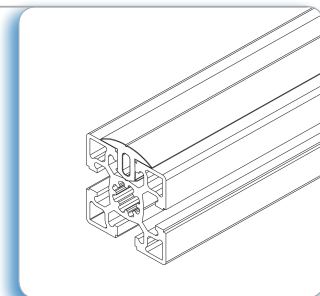


0,14

Perfil de estanqueidad o tope PVC. Color negro
Protection & end profile Rubber, black



45



Aplicación

Permite apoyar sobre los perfiles, tableros o cristales evitando que éstos se rayen o deterioren. También sirve como tope entre perfiles.

Application

Offers protection against surface damage of the supported panel or glass. It can also be used as a protective profile.



5111



40/45/50/60/80/90

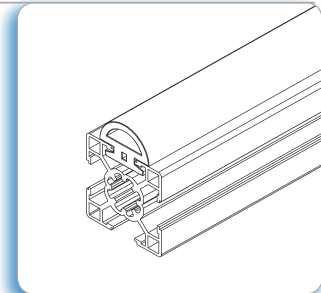
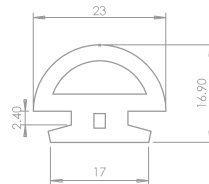
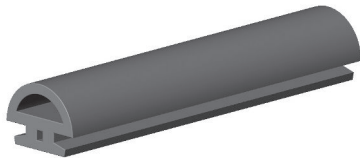


0,35



Perfil de estanqueidad o tope PVC. Color negro
Protection & end profile Rubber, black

35



Aplicación

Permite la estanqueidad de puertas y marcos.

Application

Offers protection against surface damage of the supported panel or glass. It can also be used as a protective profile.



5112



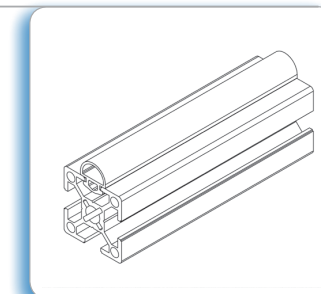
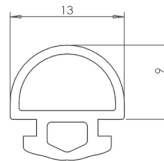
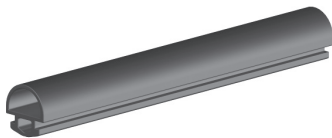
35



0,28

Perfil de estanqueidad o tope PVC
Protection & end profile Rubber black

30



Aplicación

Permite la estanqueidad de puertas y marcos.

Application

Allows sealing doors and frames.

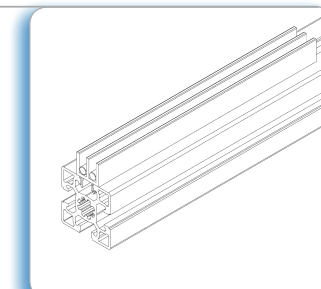
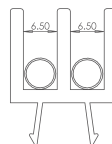


5115



0,25

Perfil redondo corredera Material termoplástico, color negro
Sliding door round profile Plastic, black



Aplicación

Como suplemento en la base del perfil corredera.

Application

As supplement inside sliding door profile.



51041



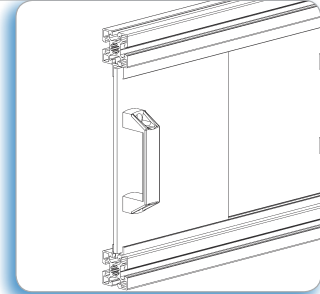
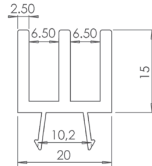
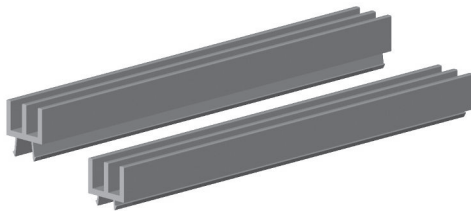
3 m



0,06

FASTEN SISTEMAS

Perfil corredera doble Material termoplástico. Color negro Sliding double door profile Plastic, black

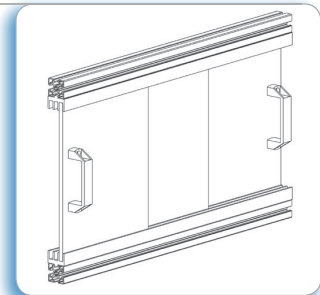
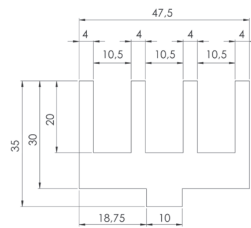
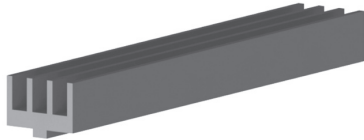


Aplicación
Permite el montaje de puertas correderas.
Espesor máximo de paneles: 6 mm.

Application
Suitable for sliding doors. Maximum thickness of panels: 6 mm.

Barcode	Length	Width	Weight
5104	3 m	40/45/50//60/80/90	0,18
510435	3 m	35	0,17

Perfil corredera triple Poliétileno, Color negro Sliding door profile Polyethylene, black

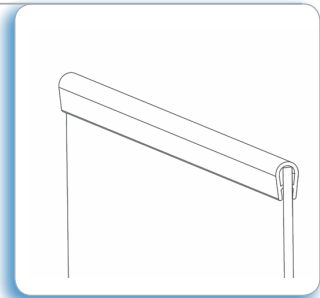
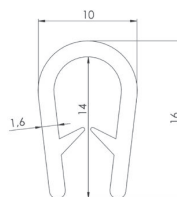
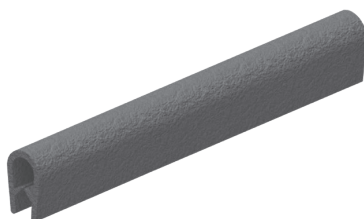


Aplicación
Permite el montaje de tres puertas correderas en paralelo.
Espesor máximo de paneles: 10 mm.

Application
Suitable for three parallel sliding doors.
Maximum thickness of panels: 10 mm.

Barcode	Length	Width	Weight
51042	3 m	40/45/50//60/80/90	0,85

Goma anticorte Negro Anti cutting rubber Black



Aplicación
Para revestir el borde de los paneles y rejillas evitando posibles cortes.

Application
To recover the border of panels and grids preventing from cutting.

Barcode	Weight
5117	0,15

PERFILES DE ALUMINIO

ALUMINIUM PROFILES

página/page 118

Serie, canal 6 mm

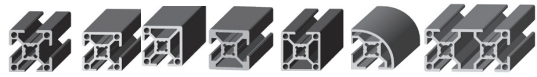
Serie, 6 mm slot



página/pag 119

Serie, canal 8 mm

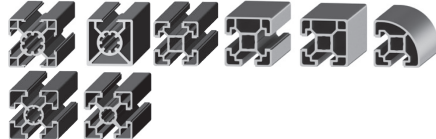
Serie, 8 mm slot



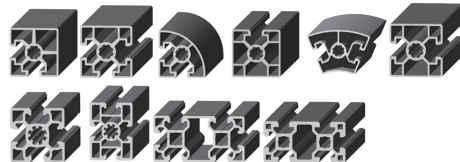
página/page 120

Serie, canal 10 mm

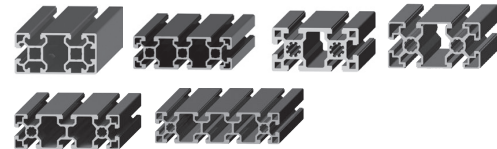
Serie, 10 mm slot



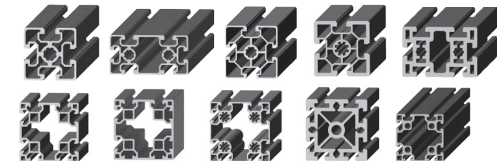
página/page 121



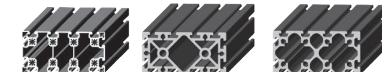
página/page 122



página/page 123



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Series especiales

Special series

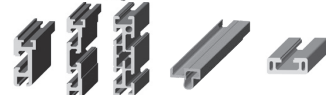
página/page 125



página/page 126



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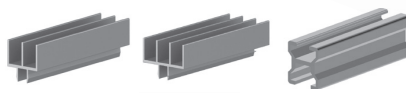
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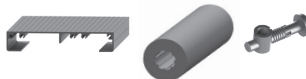
página/page 130



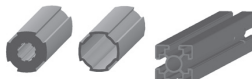
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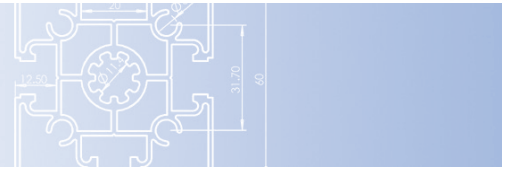
página/page 132-133



página/page 134-135



FASTEN SISTEMAS



Datos técnicos Aluminio anodizado color natural

Technical data Aluminium natural anodized

Longitud estándar Standard length	6 m.	Límite elástico Tensile strength	200 N/mm ²
Aleación Alloy	Al Mg Si 0,5 F25 (6060/6063)	Módulo de elasticidad transversal Elasticity module E	aprox. 70000 N/mm ²
Densidad Density	2,7 gr/cm ³	Dureza Brinell Hardness	75 HB
Espesor anodizado Anod. layer thickness	15 µm	Coefficiente de dilatación Coefficient of dilation	23,8 · 10 ⁻⁶ · K ⁻¹
Dureza anodizado Anod. layer hardness	250-350 HV	Punto de tensión Ductile yield	A5 > 10% - A10 > 8%

Cálculo de la flexión del perfil

Determination of profile deflection

Carga Load

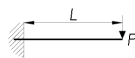
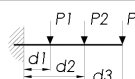
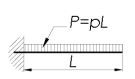
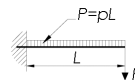
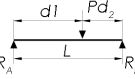

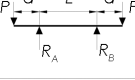
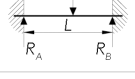
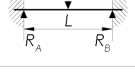
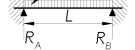
Fórmula Formula

Descripción

f = flexión (m)
 P = Carga (N)
 L = Longitud perfil (m)
 E = Módulo de elasticidad
 $E_{AL} = 7 \cdot 10^8$ N/dm²
 I = Momento inercia (cm⁴)

Description

f = deflection (m)
 P = Load (N)
 L = Free profile length (m)
 E = Modulus of elasticity
 $E_{AL} = 7 \cdot 10^8$ N/dm²
 I = Momet of inertia (cm⁴)

	$f_{\max} = \frac{PL^3}{3EI}$
	$f_{\max} = F_1 + F_2 + F_3 + \dots$
	$f_{\max} = \frac{PL^3}{8EI}$
	$f_{\max} = \frac{PL^3}{8EI} + \frac{PL^4}{3EI}$
	$f_{\max} = \frac{P(d_1 d_2)^2}{3LEI}$
	$f_{\max} = \frac{PL^3}{48EI}$
	$f_{\max} = \frac{PdL^2}{8EI}$
	$f_{\max} = \frac{P(d_1 d_2)^3}{3EI(d_2 + 3d_1)^2}$
	$f_{\max} = \frac{PL^3}{192EI}$
	$f_{\max} = \frac{PL^3}{384EI}$

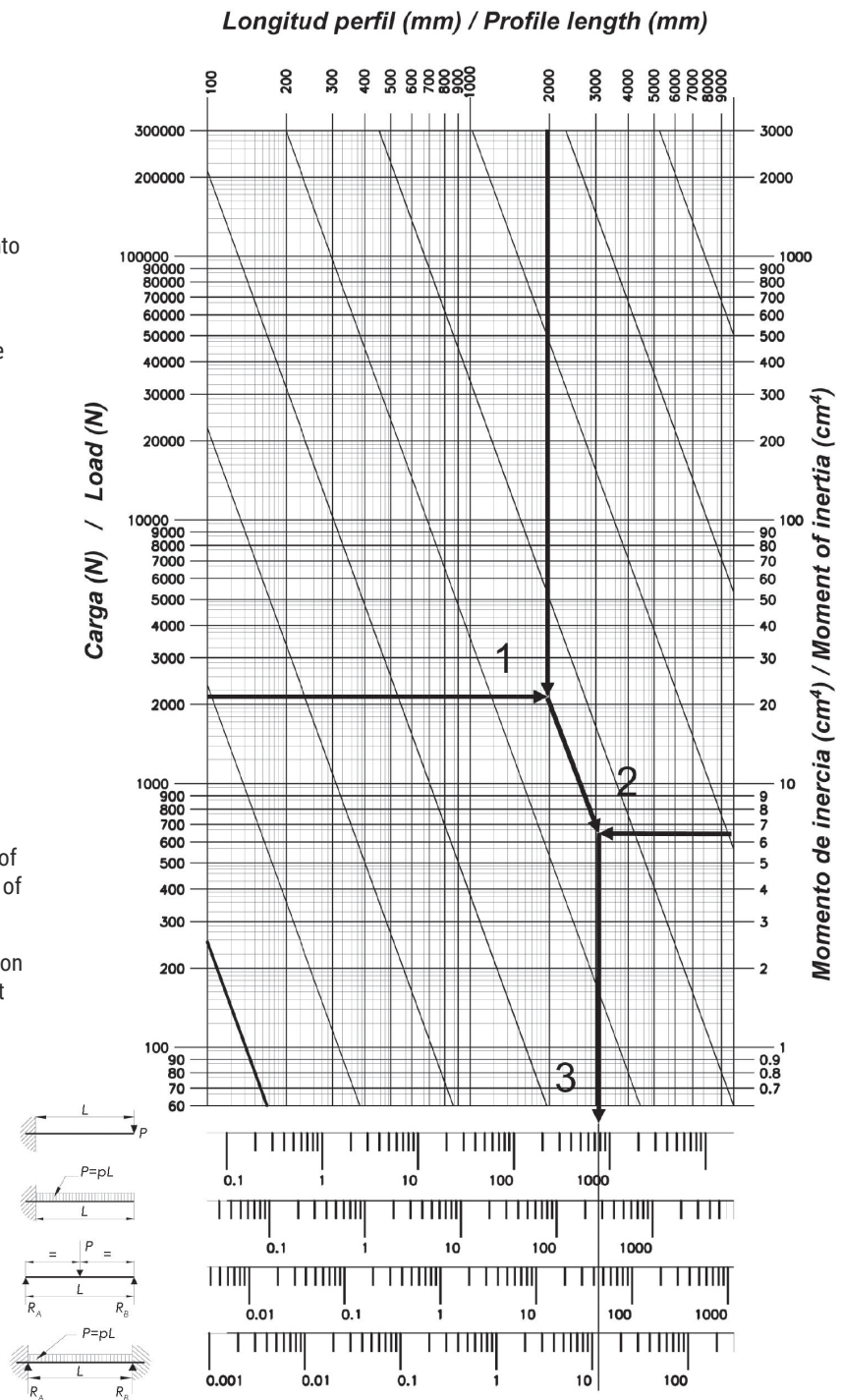
Cálculo de la flexión del perfil Determination of profile deflection

Cómo calcular la flexión:

1. Determinación del punto de intersección entre la carga y la longitud del perfil.
2. Cruce entre la coordenada del momento de inercia del perfil seleccionado con el desplazamiento en diagonal del punto 1.
3. Determinación de la flexión realizando una línea vertical desde el punto dos hasta la distribución de cargas seleccionada.

Calculating deflection:

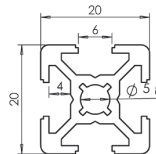
1. Determination of intersection point between load and profile length.
2. Crossing between the diagonal of point 1 with the moment of inertia of selected profile coordinate.
3. Determination of profile deflection extending a vertical line from point 2 to the selected load distribution formula.



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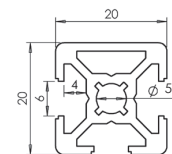
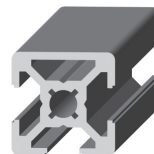
Serie, canal 6 mm Serie, 6 mm slot

Perfil básico 20x20 Basic profile 20x20



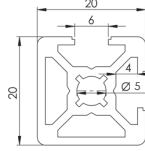
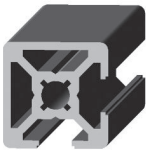
Barcode	Weight [kg]	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
5049	0,44	0,66	0,66	0,66	0,66

Perfil básico 20x20 3S Basic profile 20x20 3S



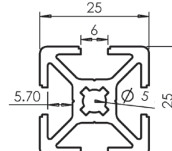
Barcode	Weight [kg]	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
5048	0,46	0,66	0,74	0,66	0,74

Perfil básico 20x20 2S 90° Basic profile 20x20 2S 90°



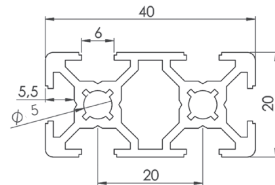
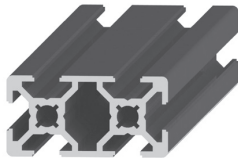
Barcode	Weight [kg]	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
50492	0,5	0,66	0,66	0,66	0,66

Perfil básico 25x25 Basic profile 25x25



Barcode	Weight [kg]	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
5011	0,7	1,6	1,6	1,28	1,28

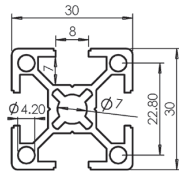
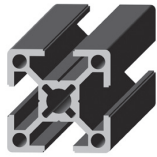
Perfil básico 20x40 Basic profile 20x40



Barcode	Weight [kg]	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
50491	0,8	1,2	4,6	1,4	2,5

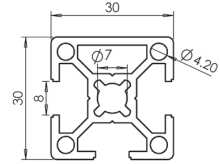
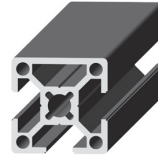
Serie, canal 8 mm Serie, 8 mm slot

Perfil básico 30x30 Basic profile 30x30



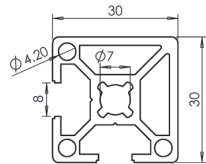
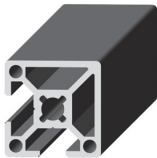
5010	0,8	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
		2,7	2,7	1,8	1,8

Perfil 30x30 3S Profile 30x30 3S



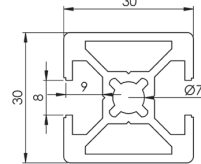
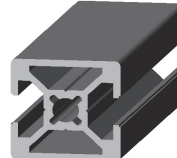
5029	0,9	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
		2,7	3,0	1,8	2,0

Perfil 30x30 2S 90° Profile 30x30 2S 90°



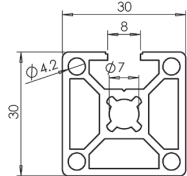
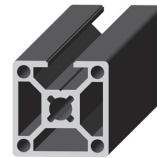
5028	0,9	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
		3,0	3,0	2,0	2,0

Perfil 30x30 2S 180° Profile 30x30 2S 180°



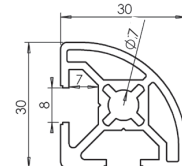
5025	1	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
		3,3	3,9	2,2	2,6

Perfil 30x30 1S Profile 30x30 1S



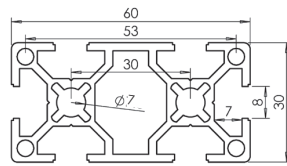
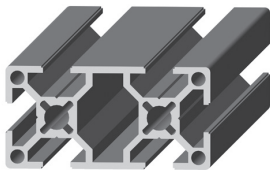
5027	0,9	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
		3,0	3,2	2,0	2,1

Perfil MC-30 MC-30 profile



5017	0,8	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
		2,3	2,3	1,4	1,4

Perfil básico 30x60 Basic profile 30x60

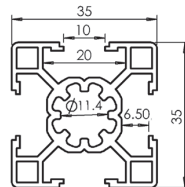
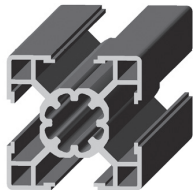


5018	1,5	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
		19,0	5,1	6,3	3,4

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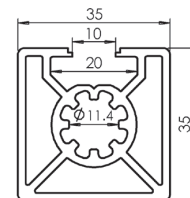
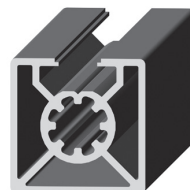
Serie, canal 10 mm Serie, 10 mm slot

Perfil básico 35x35 Basic profile 35x35



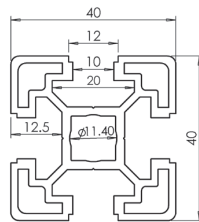
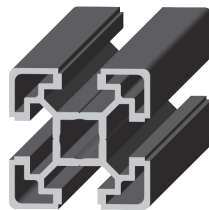
Barcode	Weight [kg]	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
5008	0,9	4,1	4,1	2,3	2,3

Perfil 35x35 1S Profile 35x35 1S



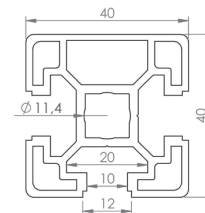
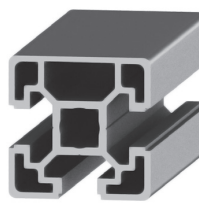
Barcode	Weight [kg]	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
50081	1,2	5,3	5,7	3,0	3,2

Perfil básico 40x40 Basic profile 40x40



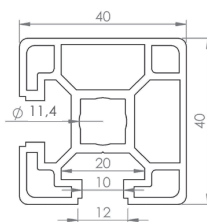
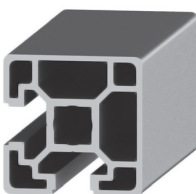
Barcode	Weight [kg]	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
5009	1,5	9,0	9,0	4,5	4,5

Perfil básico 40x40 3S Profile 40x40 3S



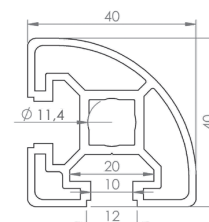
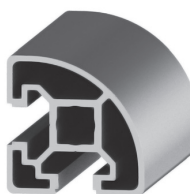
Barcode	Weight [kg]	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
50093	1,5	9,0	9,0	4,5	4,5

Perfil básico 40x40 2S 90° Profile 40x40 2S 90°



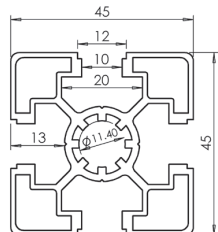
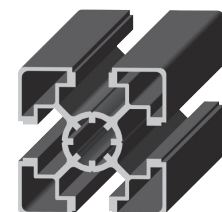
Barcode	Weight [kg]	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
50092	1,5	9,0	9,0	4,5	4,5

Perfil básico MC-40 Profile MC-40



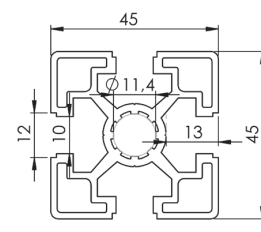
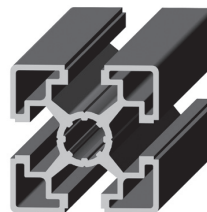
Barcode	Weight [kg]	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
50091	1,4	9,0	9,0	4,5	4,5

Perfil ligero 45x45 Light profile 45x45



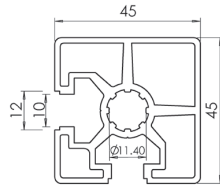
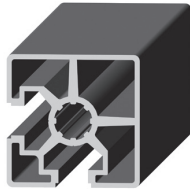
Barcode	Weight [kg]	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
5001	1,4	10,0	10,0	4,4	4,4

Perfil básico 45x45 Basic profile 45x45



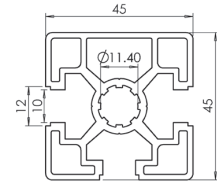
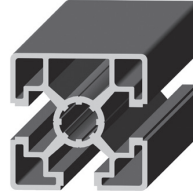
Barcode	Weight [kg]	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
5021	1,7	12,0	12,0	5,3	5,3

Perfil 45x45 2S 90° Profile 45x45 2S 90°



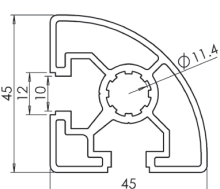
Barcode	kg	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
5022	1,7	12,2	12,2	5,3	5,3

Perfil 45x45 3S Profile 45x45 3S



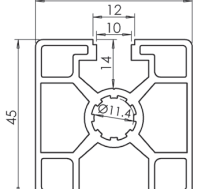
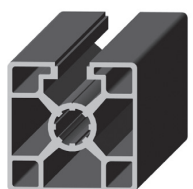
Barcode	kg	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
5023	1,7	11,9	12,2	5,3	5,4

Perfil MC-45 Profile MC-45



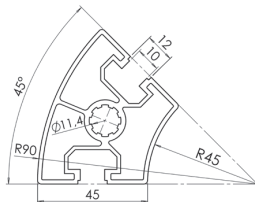
Barcode	kg	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
5024	1,4	3,5	3,5	8,7	8,7

Perfil 45x45 1S Profile 45x45 1S



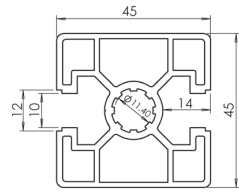
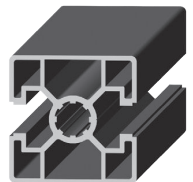
Barcode	kg	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
5043	1,7	12,0	12,1	5,3	5,3

Perfil 45x45° Profile 45x45°



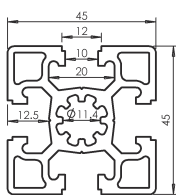
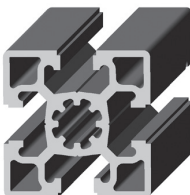
Barcode	kg	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
5057	1,7	11,6	18,8	4,5	5,6

Perfil 45x45 2S 180° Profile 45x45 2S 180°



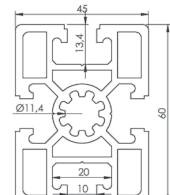
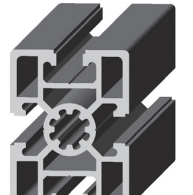
Barcode	kg	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
5040	1,7	11,9	12,1	5,3	5,3

Perfil pesado 45x45 Strong profile 45x45



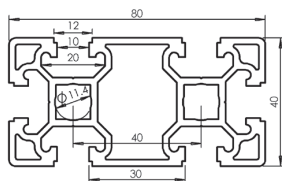
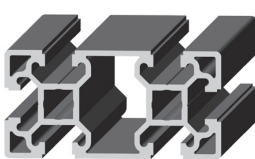
Barcode	kg	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
5002	2,0	14,6	14,6	6,5	6,5

Perfil básico 45x60 Basic profile 45x60



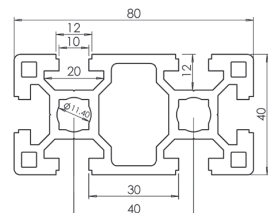
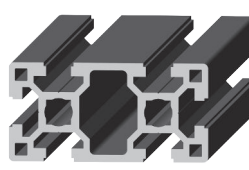
Barcode	kg	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
5005	2,7	20,5	34,0	9,1	11,3

Perfil básico 40x80 Basic profile 40x80



Barcode	kg	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
5012	2,6	16,9	64,6	8,4	16,1

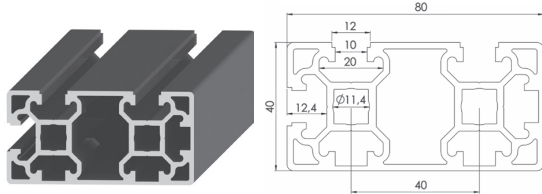
Perfil pesado 40x80 Strong profile 40x80



Barcode	kg	Ix cm ⁴	Iy cm ⁴	Wx cm ³	Wy cm ³
5051	3,3	21,0	78,5	10,5	19,6

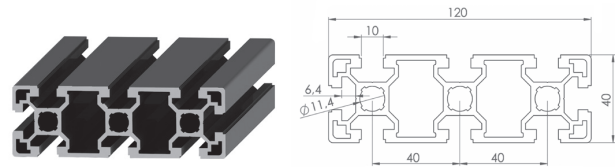
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Perfil básico 40x80 2S Basic profile 40x80 2S



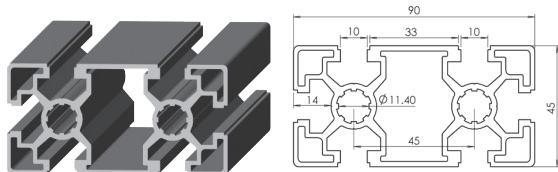
Barcode	Weight [kg]	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
501290	2,8	18,3	68,9	9,1	17,3

Perfil básico 40x120 Basic profile 40x120



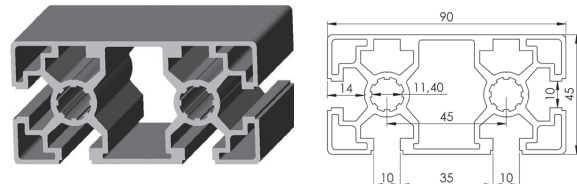
Barcode	Weight [kg]	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
5060	4,0	26,8	209,5	13,4	34,9

Perfil ligero 45x90 Light profile 45x90



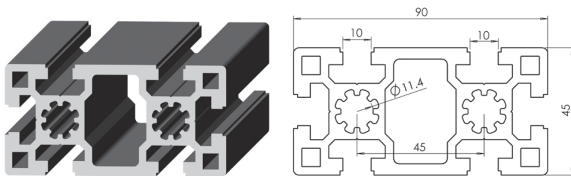
Barcode	Weight [kg]	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
5003	3,0	23,5	82,0	10,4	18,2

Perfil 45x90 3S Profile 45x90 3S



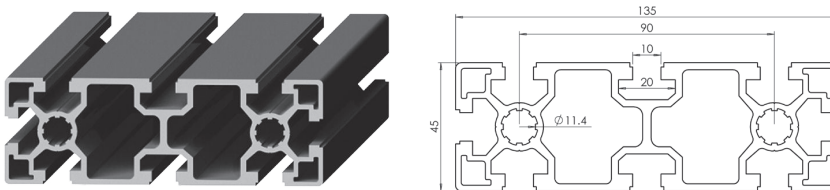
Barcode	Weight [kg]	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
50031	3,1	23,5	82,0	10,4	18,2

Perfil pesado 45x90 Strong Profile 45x90



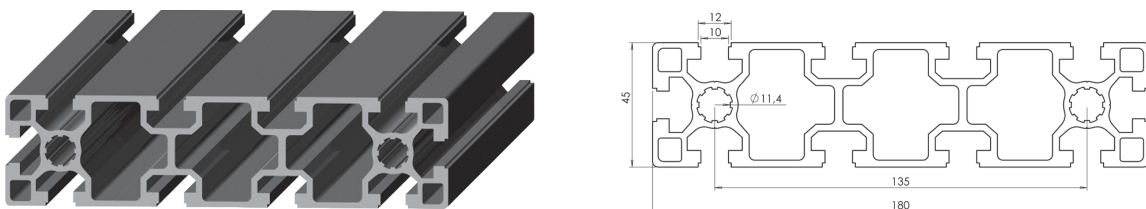
Barcode	Weight [kg]	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
5032	4,3	35,1	132,0	15,6	29,3

Perfil 45x135 Profile 45x135



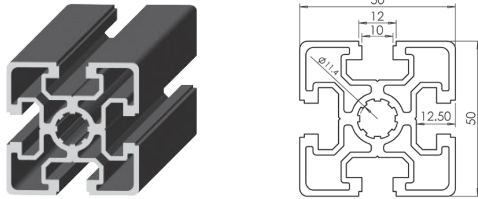
Barcode	Weight [kg]	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
5058	4,8	41,0	324,2	18,2	36,0

Perfil 45x180 Profile 45x180



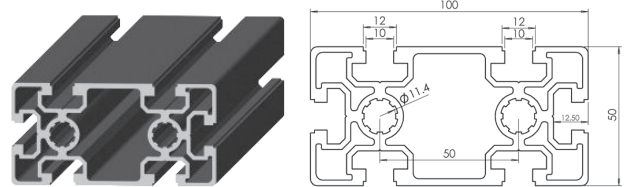
Barcode	Weight [kg]	I_x cm ⁴	I_y cm ⁴	W_x cm ³	W_y cm ³
5056	6,3	55,6	740,5	24,7	82,3

Perfil básico 50x50 Basic profile 50x50



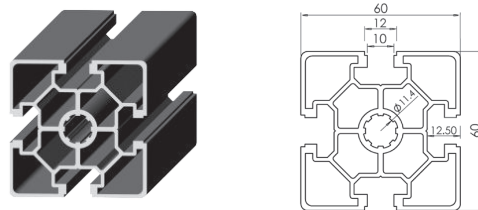
Code	Weight (kg)	I_x (cm ⁴)	I_y (cm ⁴)	W_x (cm ³)	W_y (cm ³)
5053	2,3	19,7	19,7	7,9	7,9

Perfil básico 50x100 Basic profile 50x100



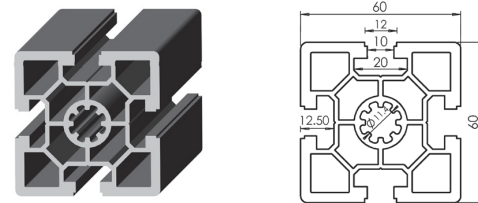
Code	Weight (kg)	I_x (cm ⁴)	I_y (cm ⁴)	W_x (cm ³)	W_y (cm ³)
5054	4,0	39,8	152,6	16,0	30,5

Perfil ligero 60x60 Light profile 60x60



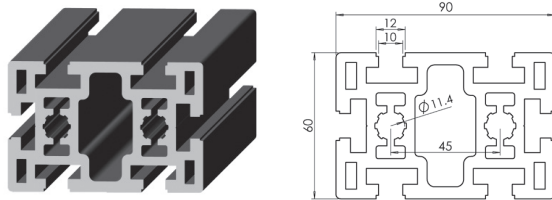
Code	Weight (kg)	I_x (cm ⁴)	I_y (cm ⁴)	W_x (cm ³)	W_y (cm ³)
5006	2,5	29,0	29,0	9,6	9,6

Perfil pesado 60x60 Strong profile 60x60



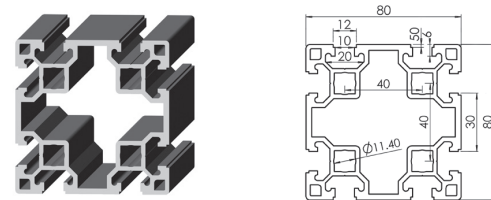
Code	Weight (kg)	I_x (cm ⁴)	I_y (cm ⁴)	W_x (cm ³)	W_y (cm ³)
5013	3,6	49,6	49,6	16,5	16,5

Perfil básico 60x90 Basic profile 60x90



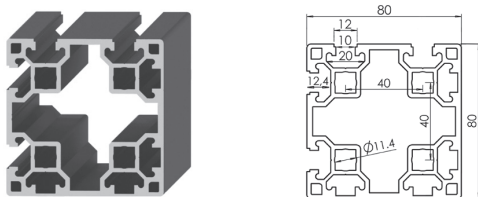
Code	Weight (kg)	I_x (cm ⁴)	I_y (cm ⁴)	W_x (cm ³)	W_y (cm ³)
5044	6,7	89,6	204,5	29,8	45,4

Perfil básico 80x80 Basic profile 80x80



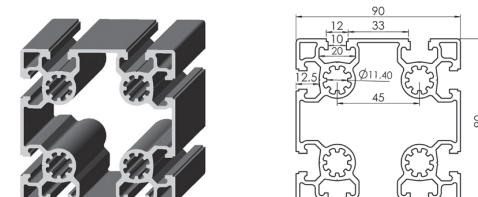
Code	Weight (kg)	I_x (cm ⁴)	I_y (cm ⁴)	W_x (cm ³)	W_y (cm ³)
5014	4,5	124,0	124,0	31,0	31,0

Perfil básico 80x80 2S Basic profile 80x80 2S



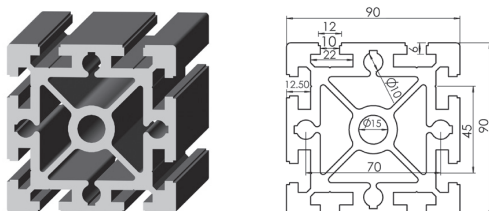
Code	Weight (kg)	I_x (cm ⁴)	I_y (cm ⁴)	W_x (cm ³)	W_y (cm ³)
501490	4,6	125,1	125,1	31,1	31,1

Perfil ligero 90x90 Light profile 90x90



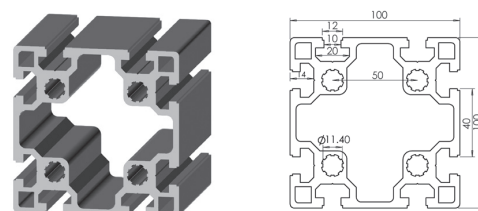
Code	Weight (kg)	I_x (cm ⁴)	I_y (cm ⁴)	W_x (cm ³)	W_y (cm ³)
5004	5,1	175,1	175,1	38,9	38,9

Perfil pesado 90x90 Strong profile 90x90



Code	Weight (kg)	I_x (cm ⁴)	I_y (cm ⁴)	W_x (cm ³)	W_y (cm ³)
5015	10,0	303,1	303,1	67,3	67,3

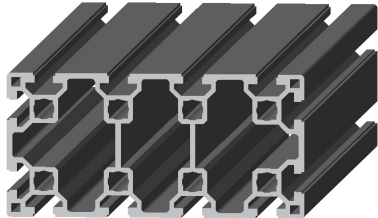
Perfil básico 100x100 Basic profile 100x100



Code	Weight (kg)	I_x (cm ⁴)	I_y (cm ⁴)	W_x (cm ³)	W_y (cm ³)
5055	8,0	336,1	336,1	67,2	67,2

FASTEN SISTEMAS

Perfil básico 80x160 Light profile 80x160



5061



8,5

I_x cm⁴

245,0

I_y cm⁴

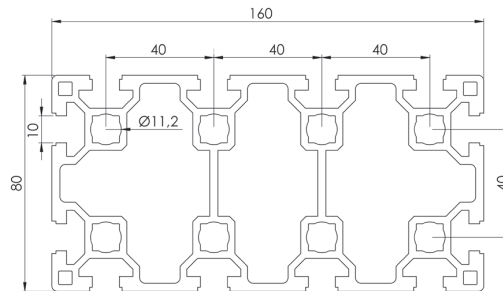
840,1

W_x cm³

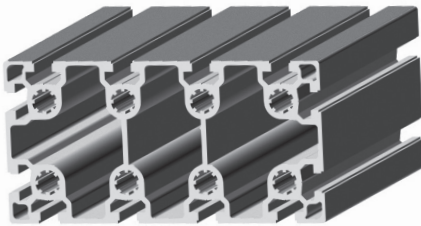
61,2

W_y cm³

150,0



Perfil ligero 90x180 Light profile 90x180



5099



8,5

I_x cm⁴

354,0

I_y cm⁴

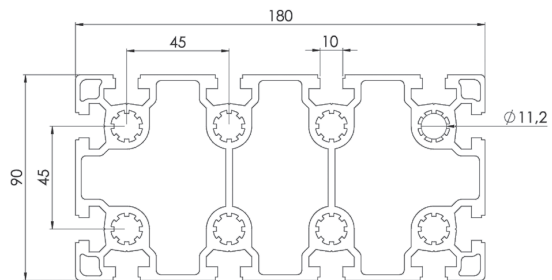
1198,0

W_x cm³

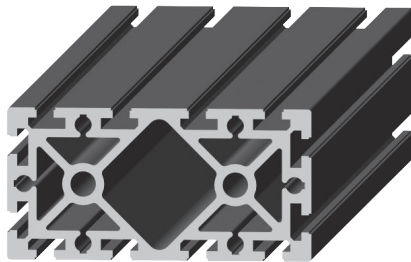
78,6

W_y cm³

133,1



Perfil pesado 90x180 Strong profile 90x180



5033



17,7

I_x cm⁴

576,0

I_y cm⁴

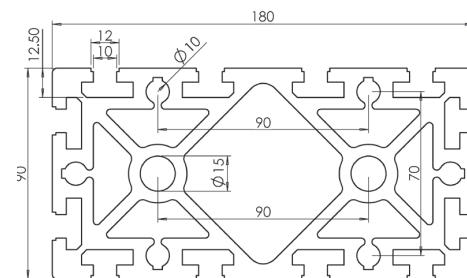
2194,0

W_x cm³

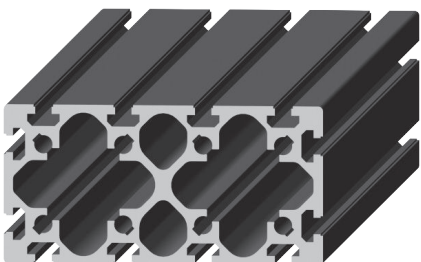
128,0

W_y cm³

243,7



Perfil básico 100x200 Basic profile 100x200



5052



17,8

I_x cm⁴

792,6

I_y cm⁴

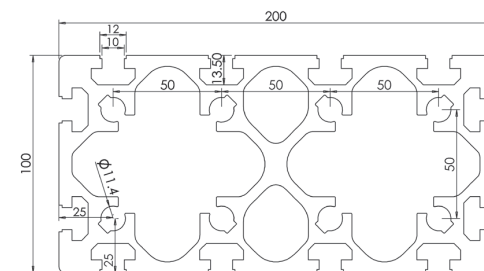
2725,5

W_x cm³

158,6

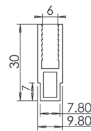
W_y cm³

272,5



Series especiales Special series

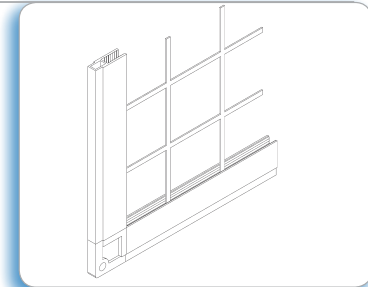
Perfil en U U profile



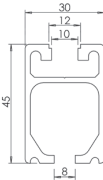
5034



0,3



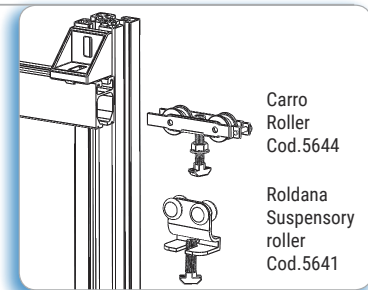
Perfil corredera 45x30 Sliding door profile 45x30



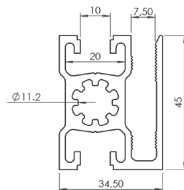
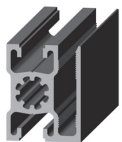
5016



1,1



Perfil perimetral protecciones Protection profile



5007



1,35

$I_x \text{ cm}^4$

5,8

$I_y \text{ cm}^4$

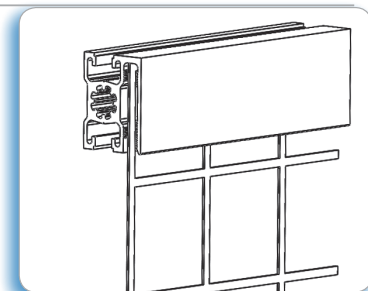
9,4

$W_x \text{ cm}^3$

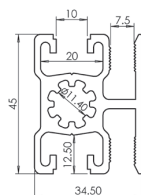
3,36

$W_y \text{ cm}^3$

4,17



Perfil perimetral doble Double protection profile



50071



1,40

$I_x \text{ cm}^4$

6,6

$I_y \text{ cm}^4$

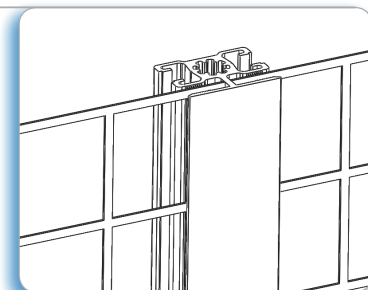
8,3

$W_x \text{ cm}^3$

3,80

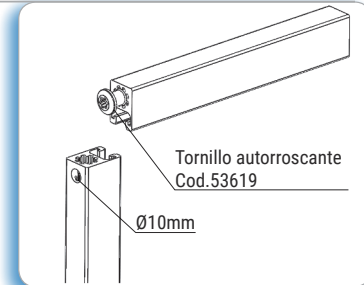
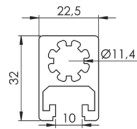
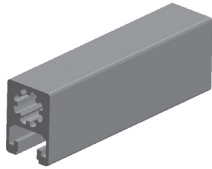
$W_y \text{ cm}^3$

3,70



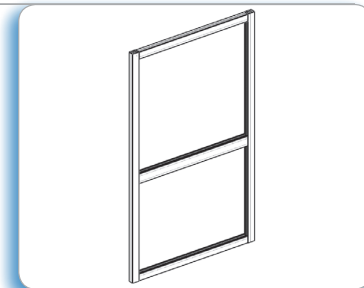
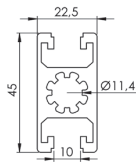
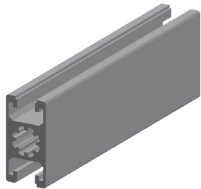
**FASTEN
SISTEMAS**

Perfil marco 22,5 x 32 mm 22,5 x 32mm frame profile



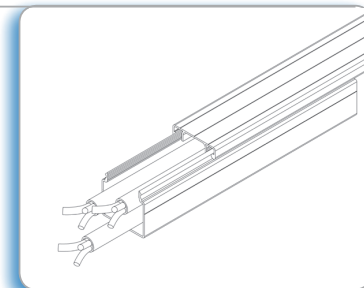
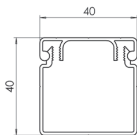
		lx cm4	ly cm4
50341	1	2,3	3,2



Perfil marco 22,5 x 45 mm 22,5 x 45mm frame profile



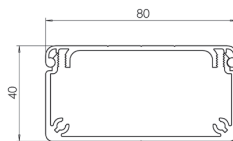
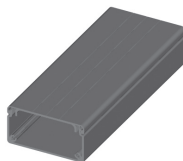
		lx cm4	ly cm4
50342	1	6,8	2,9



Perfil canaleta 40x40 Conduit profile 40x40



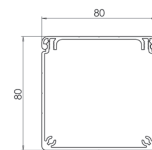
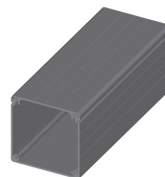
		
Perfil base / support	5030	0,4
Perfil tapa / cover	5031	0,3
Tapeta / end cover	5507	0,006



Perfil canaleta 40x80 Conduit profile 40x80



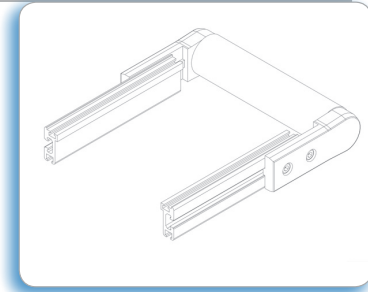
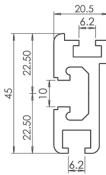
		
Perfil base / support	5046	0,9
Perfil Tapa / cover	5045	0,6
Tapeta / end cover	55071	0,025

Perfil canaleta 80x80 Conduit profile 80x80



		
Perfil base / support	5047	1,4
Perfil tapa / cover	5045	0,6
Tapeta / end cover	55072	0,05

Perfil transportador 45 Conveyor profile 45

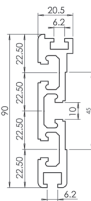


5038



1,1

Perfil transportador 90 Conveyor profile 90

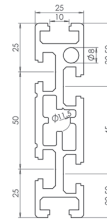


5039



2,0

Perfil transportador 100 Conveyor profile 100



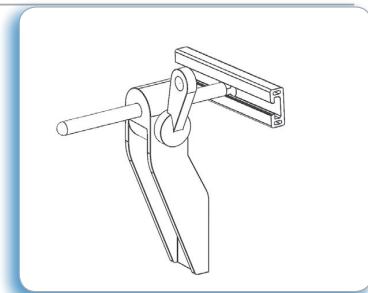
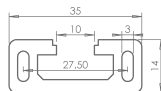
5020



2,9

lx cm4 ly cm4 Wx cm3 Wy cm3
7,4 91,7 5,9 18,4

Perfil guía transportador Guiding conveyor profile



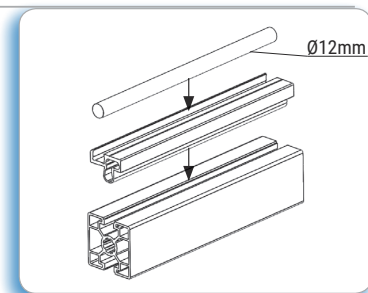
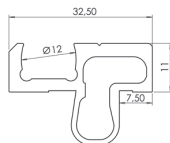
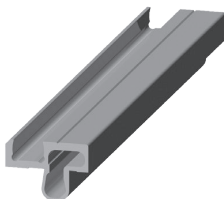
5019



0,8

lx cm4 ly cm4 Wx cm3 Wy cm3
0,6 3,6 0,35 5,15

Perfil deslizamiento lineal Sliding profile

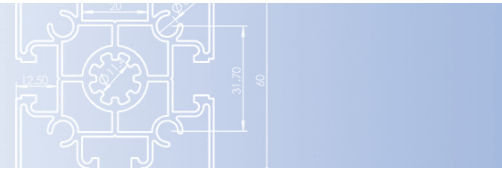


50993

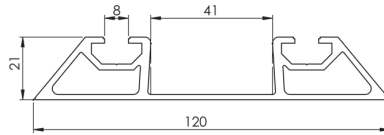
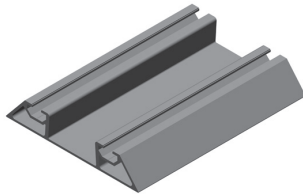


0,6

**FASTEN
SISTEMAS**



Perfil monorail suelo 40mm Floor monorail profile

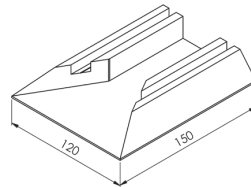
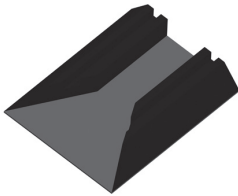


50952



1,5

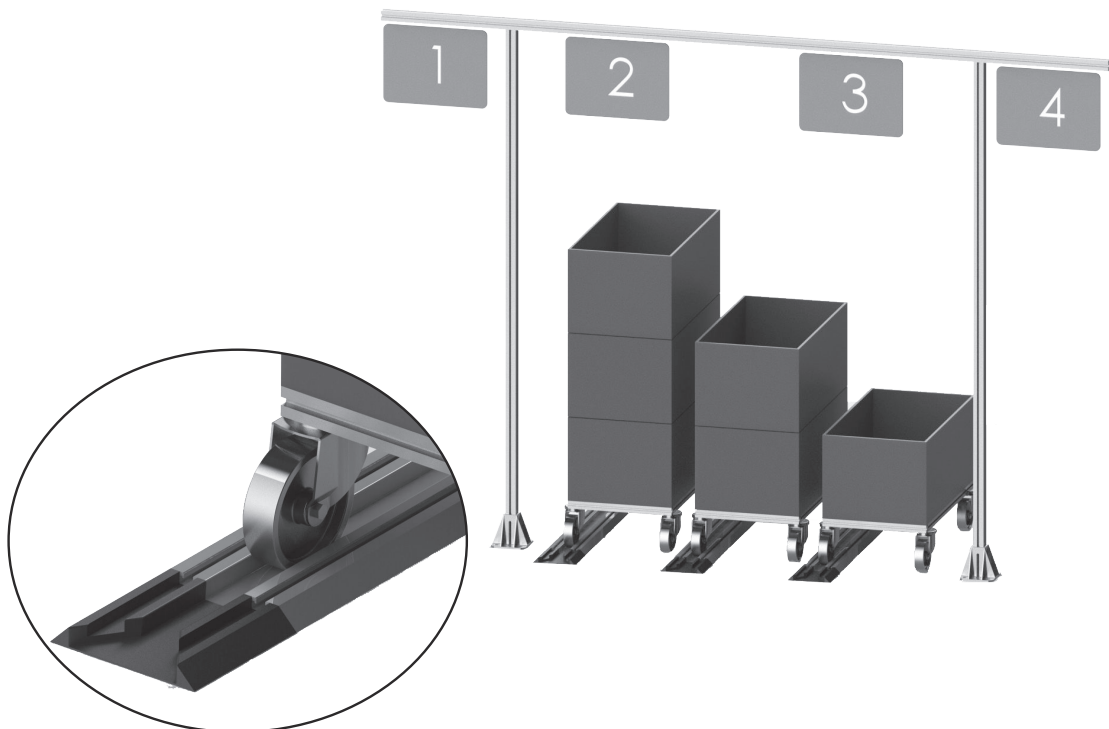
Tope perfil monorail 40mm Monorail profile end cap



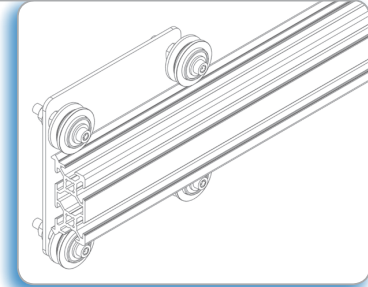
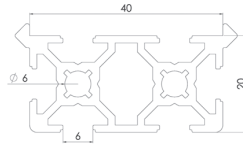
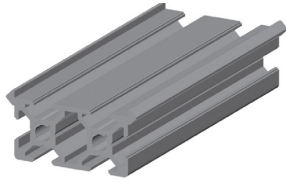
5646



0,5



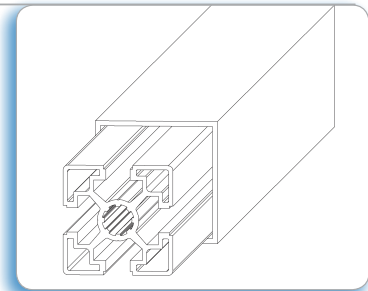
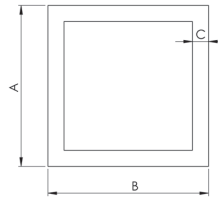
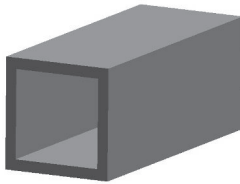
Perfil 20x40 deslizamiento lineal Sliding profile 20x40



Aplicación / Application

50994	0,85	lx cm ⁴	ly cm ⁴	Wx cm ³	Wy cm ³
		1,2	4,6	1,4	2,5

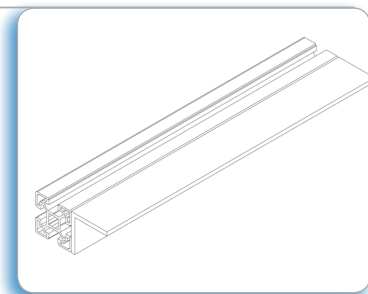
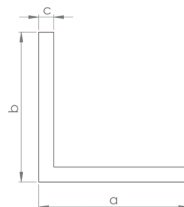
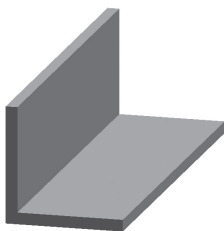
Perfil tubular Tubular profile



Aplicación / Application

	AxBxC	kg
50843	30x30x2	0,604
50842	40x40x2	0,820
50841	45x45x2	0,910
5084	50x50x2	1,036
5082	98x98x4,5	3,60

Ángulos 20/30/40 Angles 20/30/40

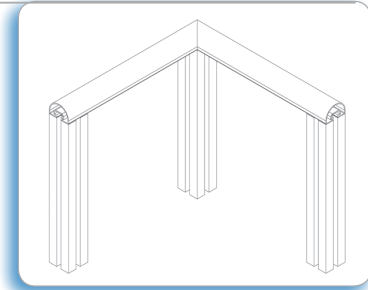
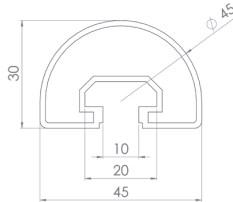
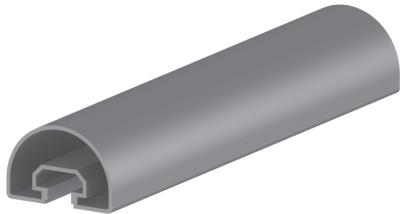


Aplicación / Application

	a mm	b mm	c mm	kg
50862	20	20	1,5	0,22
50861	30	30	2	0,33
5086	40	40	4	0,87
50863	50	50	4	1,037
50864	60	60	5	1,553

FASTEN SISTEMAS

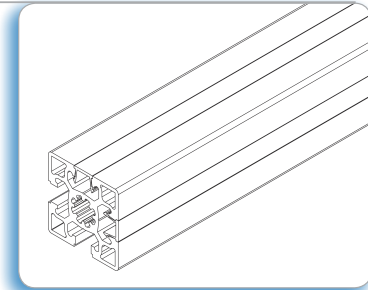
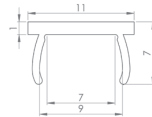
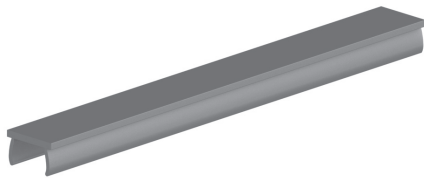
Perfil barandilla Hand rail profile



 50945  0,7

Aplicación / Application

Tapacanal rígido Aluminio Groove cover profile Aluminium



 50951  0,1 **Color / material**  Aluminio 40/45/50/60/80/90

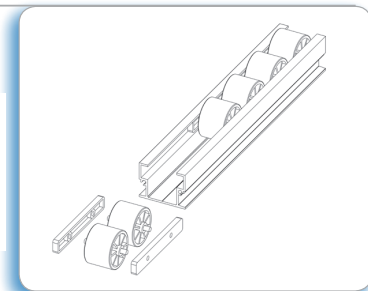
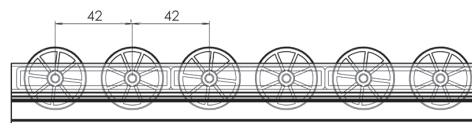
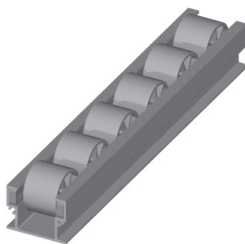
Aplicación

Para el recubrimiento de los canales de los perfiles de aluminio. Se recomienda su uso para evitar la acumulación de partículas o para mantener los cables en los canales del perfil.





Application

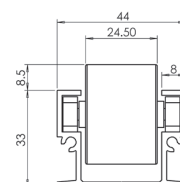
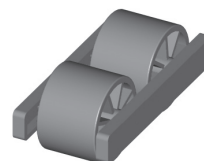
For the covering of profile slots. Recommended to avoid accumulation of particles or to keep cables inside profile slots.

Perfil minicarril Minirail profile Aluminio / Aluminium

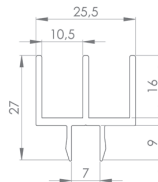
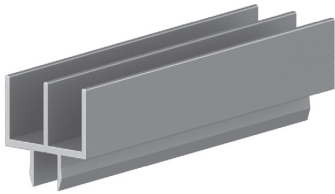


Aplicación / Application

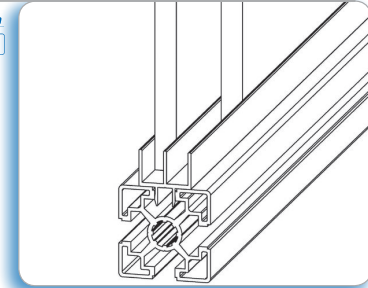
Perfil minicarril montado Minirail profile assembled		
	5574	1,2
Componentes / Components		
Rueda negra / Black wheel	5570	0,013
Rueda amarilla / Yellow	5570A	0,013
Rueda roja / Red wheel	5570R	0,013
Rueda verde / Green wheel	5570V	0,013
Soporte / holder	5571	0,003
Eje / axle	5572	0,004
Tapa / end cover	5573	0,025
Perfil aluminio / aluminium profile	5050	0,7



Perfil corredera doble **Double sliding door profile**



10 mm

Aplicación

Permite el montaje de dos puertas correderas.
Espesor máximo de paneles: 10 mm.

Application

Suitable for two sliding doors.
Maximum thickness of panels: 10 mm.

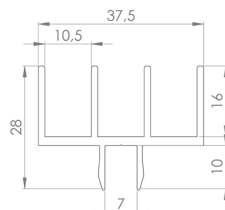
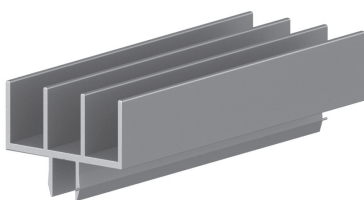


50162

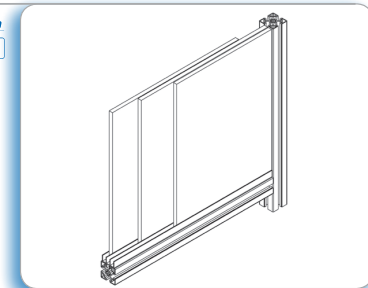


0,5

Perfil corredera triple **Triple sliding door profile**



10 mm

Aplicación

Permite el montaje de tres puertas correderas.
Espesor máximo de paneles: 10 mm.

Application

Suitable for three sliding doors.
Maximum thickness of panels: 10 mm.



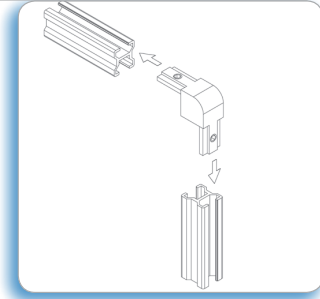
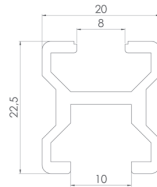
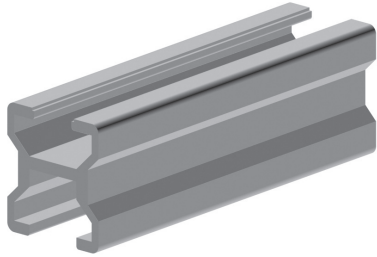
50163



0,6

FASTEN
SISTEMAS

Perfil marco 20x22,5 Frame Profile 20x22,5



Aplicación

Para la fabricación de paneles y marcos.

Application

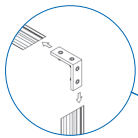
Used for panels and door frames.



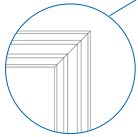
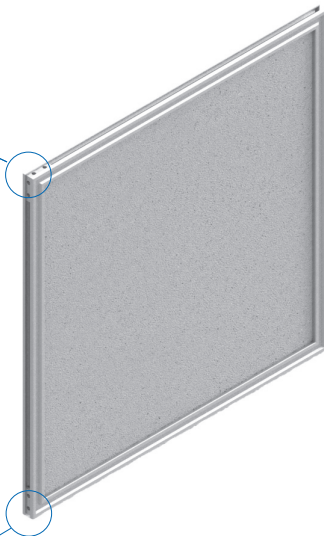
50946



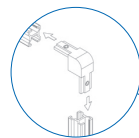
0,4



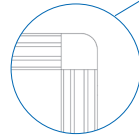
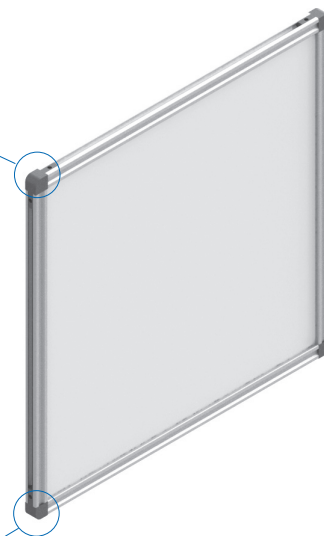
cod. 53303



Perfil cortado a 45°
Profile cut 45°



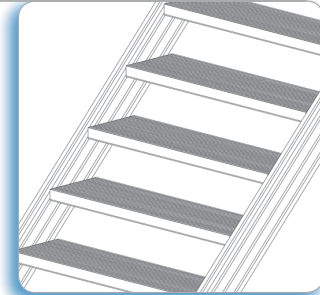
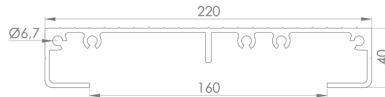
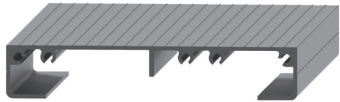
cod. 53304



Perfil cortado a 90°
Profile cut 90°

Materiales	Materials
Pizarra	Writing boards
Corcho	Cork boards
Chapa lacada	Magnetic boards
Foam	Foam
.../...	.../...

Perfil peldaño **Step profile**



509941



4

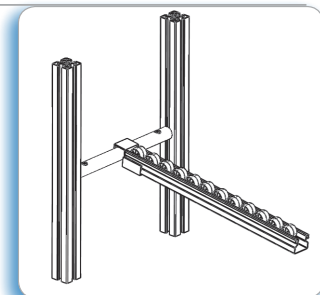
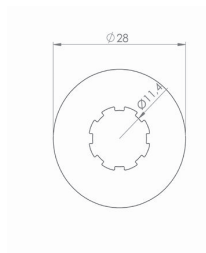
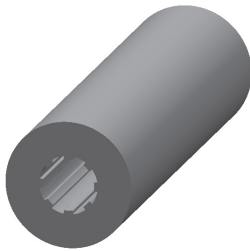
Aplicación

Permite el montaje de escaleras y suelos técnicos.

Application

Suitable for stairs and technical floors.

Perfil tubo redondo pesado Ø28 **Strong round profile Ø28**



50702



1,35

Aplicación

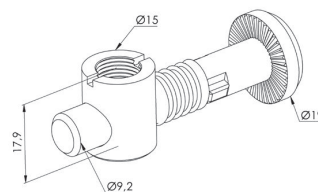
Permite la fijación de minicarril y su regulación en altura mediante los conectores de los extremos.

Application

To assemble roller tracks allowing height regulation.

Conector cabeza redonda tubo Ø28 mm **Acero zincado**

Round head joint tube Ø28 mm **Zinc plated steel**



53521



33mm



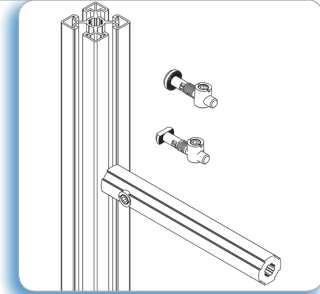
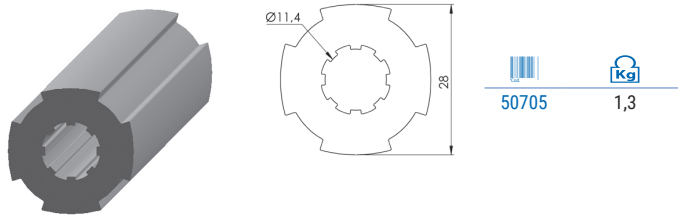
15



0,05

**FASTEN
SISTEMAS**

Perfil redondo EVOLEAN 28 pesado Strong round EVOLEAN 28 profile

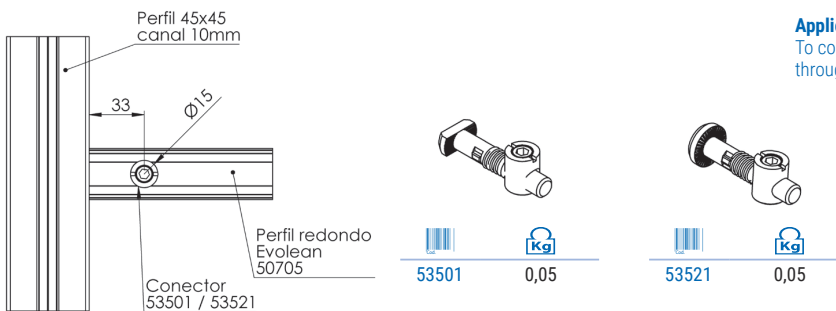


Aplicación

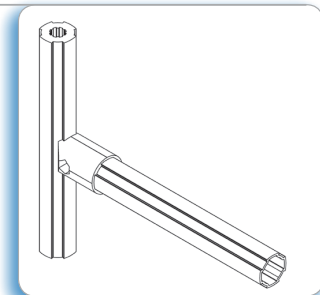
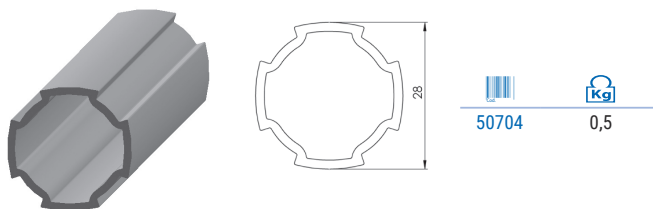
Permite conectar tubos de la serie evolean a los perfiles de aluminio mediante el uso de conectores.

Application

To connect evolean's tubes to aluminium profiles through connectors.



Perfil redondo EVOLEAN 28 ligero Light round EVOLEAN 28 profile

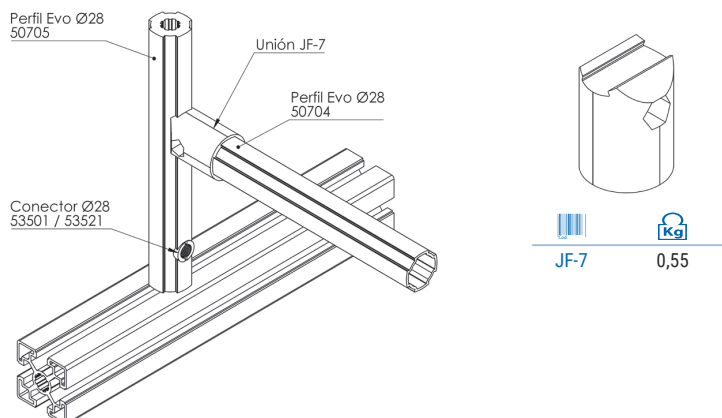


Aplicación

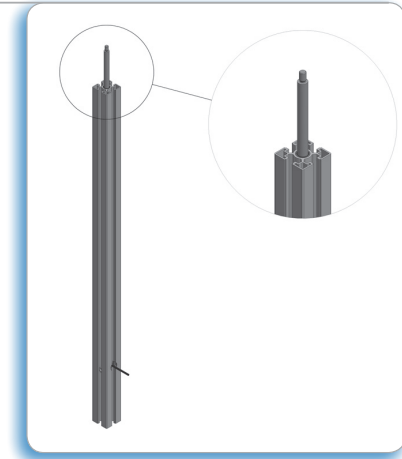
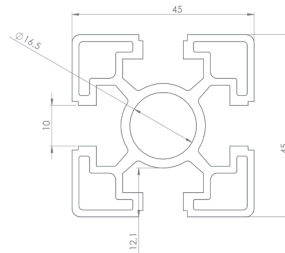
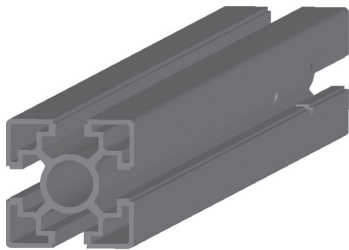
Permite conectar tubos de la serie evolean entre si mediante el uso de uniones del tipo JF-7.

Application

To connect evolean's tubes between them using JF- type joints.



Perfil actuador hidráulico 45 hydraulic actuator profile



5041



1,7

$I_x \text{ cm}^4$

12,0

$I_y \text{ cm}^4$

12,0

$W_x \text{ cm}^3$

5,3

$W_y \text{ cm}^3$

5,3

Aplicación

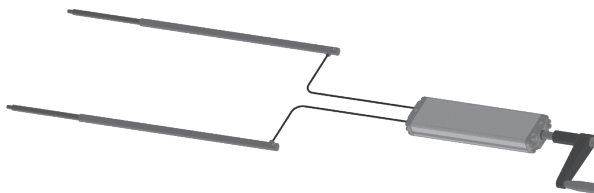
Permite la regulación en altura. El cilindro hidráulico se aloja en el interior del perfil. Carrera máxima 400mm. Carga máxima 100Kg

Application

Allows height levelling. The application of this system allows housing and hydraulic cylinder. Max. Stroke 400mm. Max. Load 100Kg

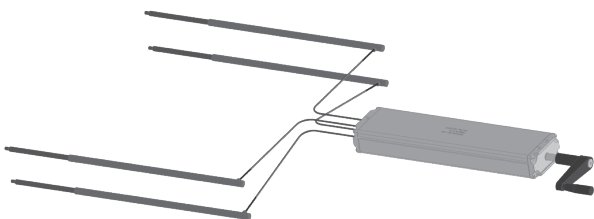
Kit de regulación altura Kit height levelling

2 actuadores + bomba



Carga : 100Kg / actuador

4 actuadores + bomba



EJEMPLOS DE MONTAJE

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página/page 142



página/page 143



página/page 144



página/page 145



página/page 146



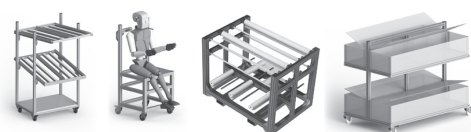
página/page 147



página/page 148



página/page 149



página/page 150



ASSEMBLY EXAMPLES



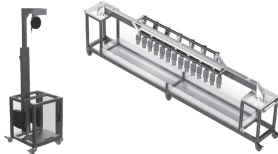
página/page 151



página/page 152



página/page 153



página/page 154



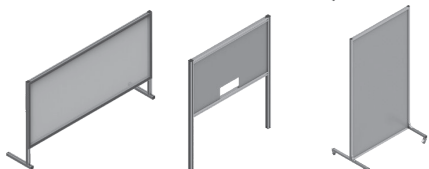
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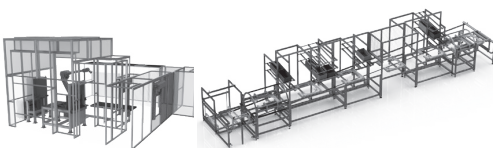
página/page 156



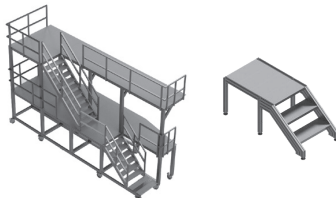
página/page 157



página/page 158



página/page 159

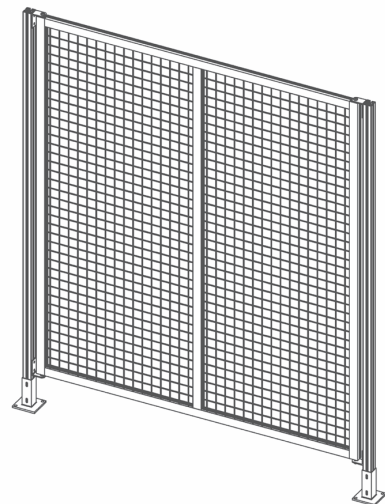
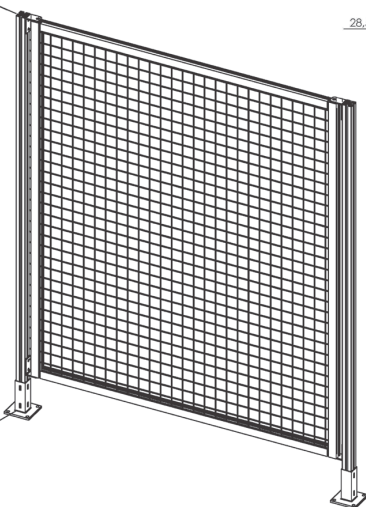
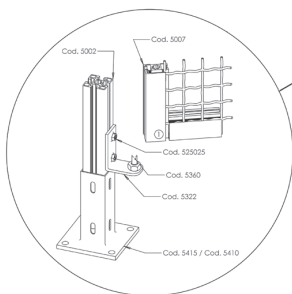
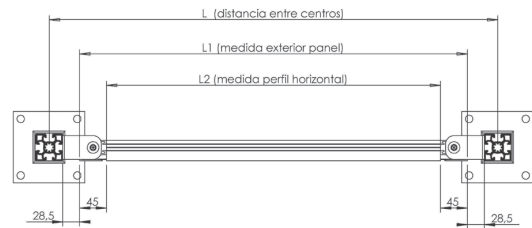
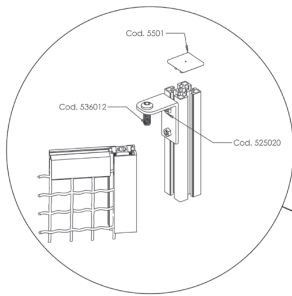
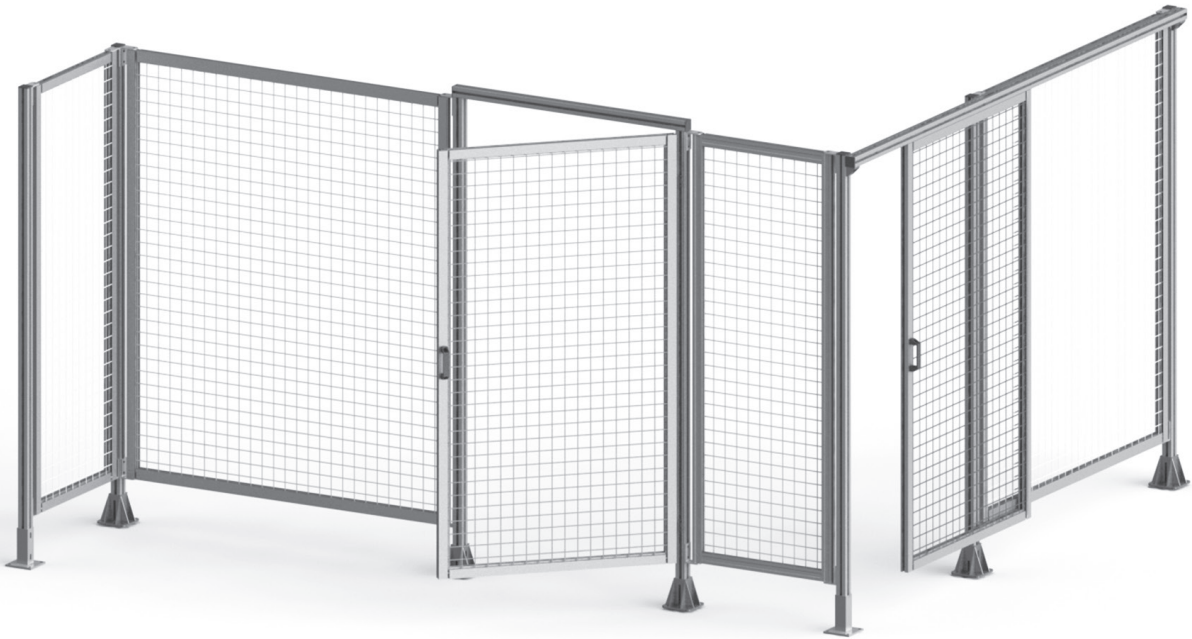


EJEMPLOS DE MONTAJE

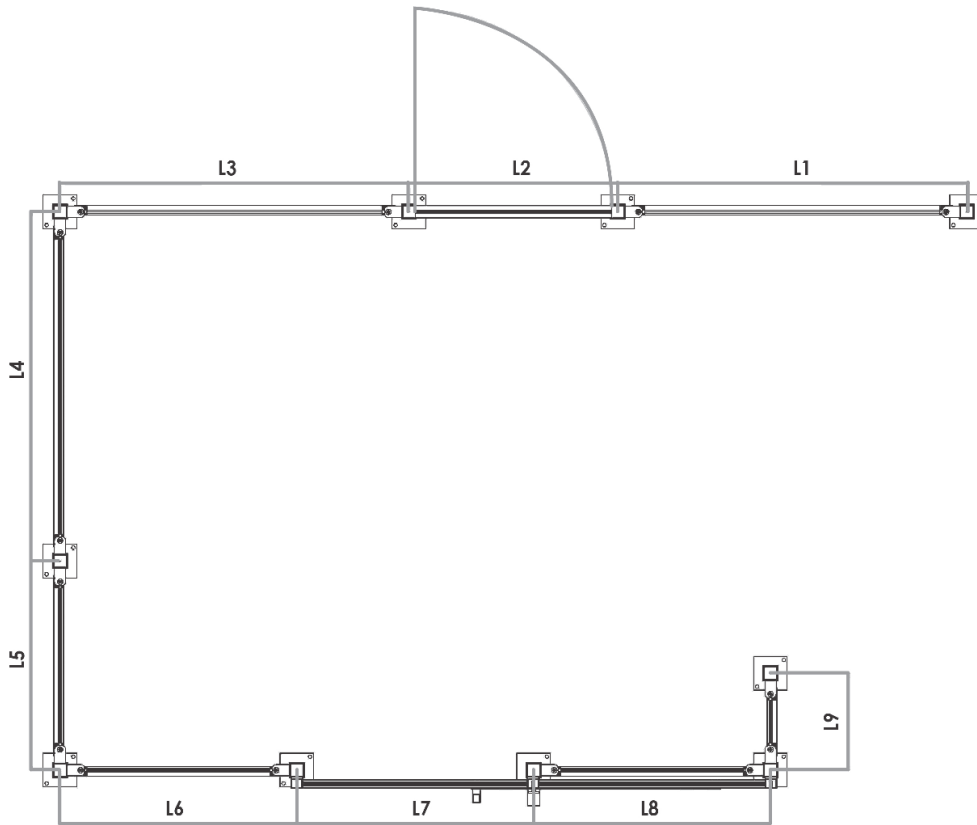
ASSEMBLY EXAMPLES

EQUIPAMIENTOS INDUSTRIALES

Cerramientos de seguridad Safety enclosures

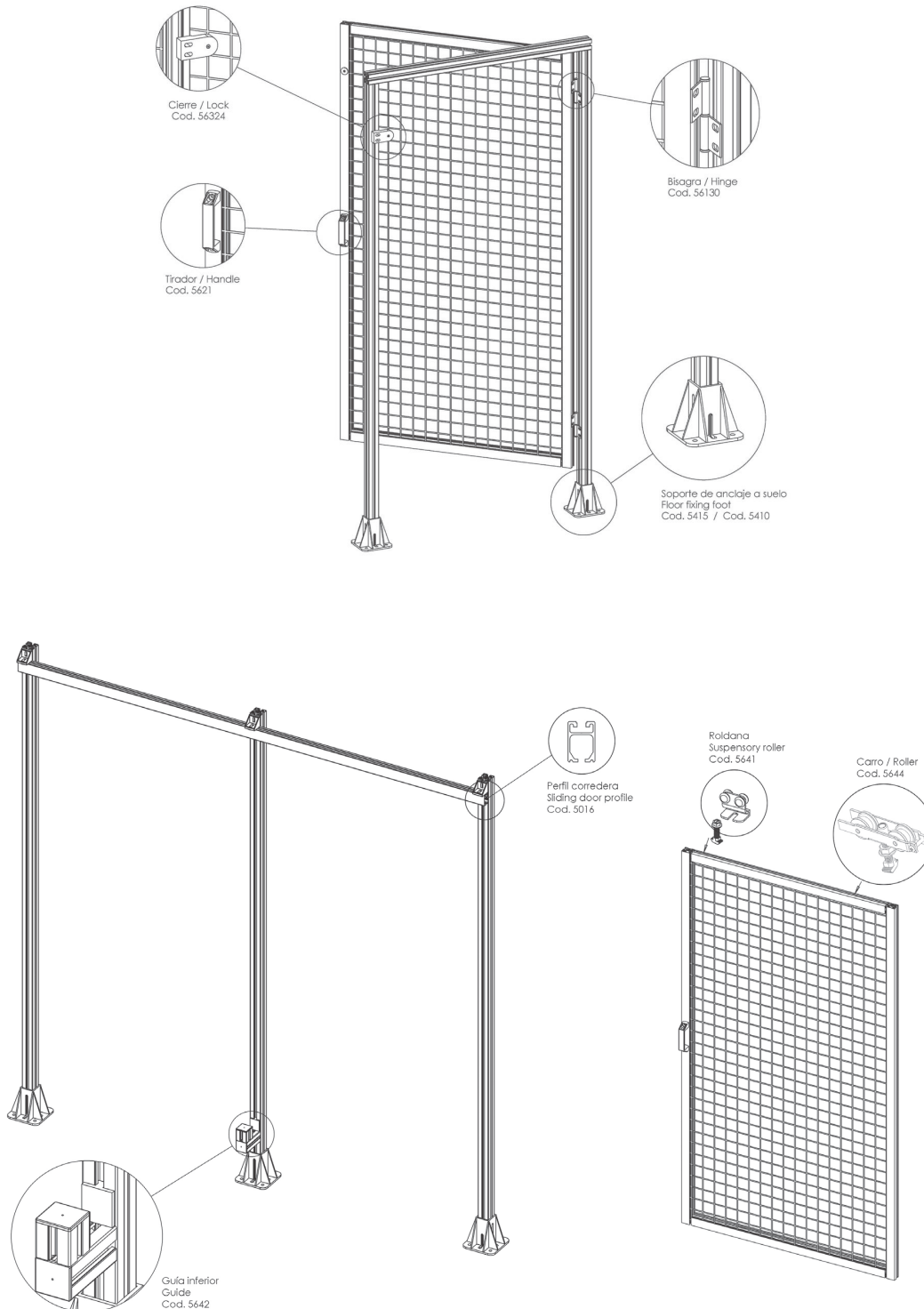


INDUSTRIAL EQUIPMENT



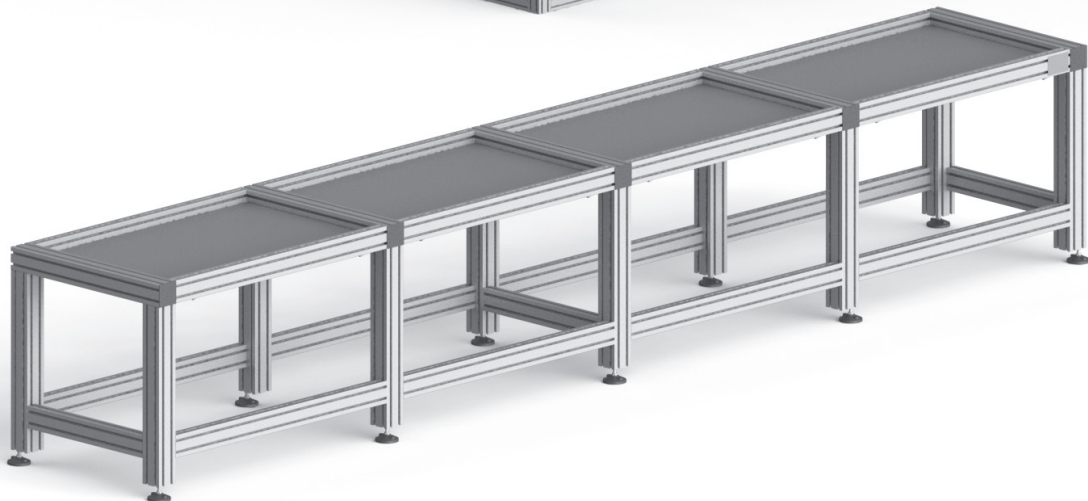
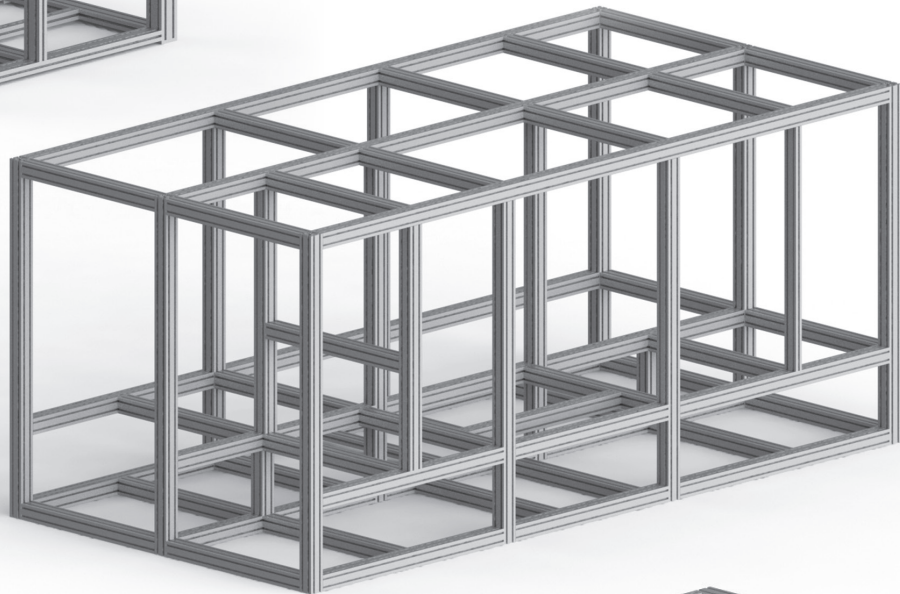
EQUIPAMIENTOS INDUSTRIALES

Puerta batiente y puerta corredera Swinging door and sliding door



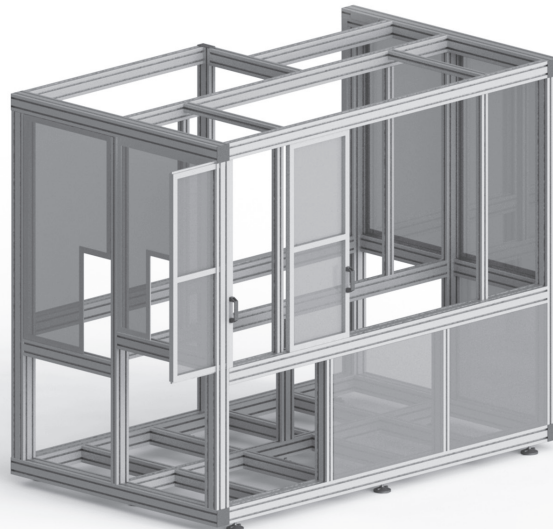
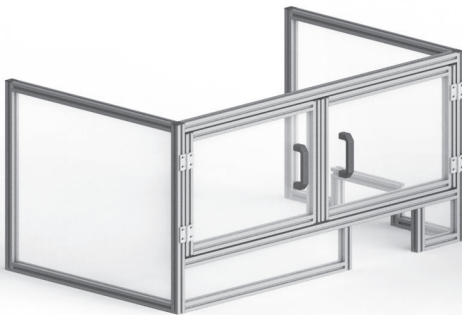
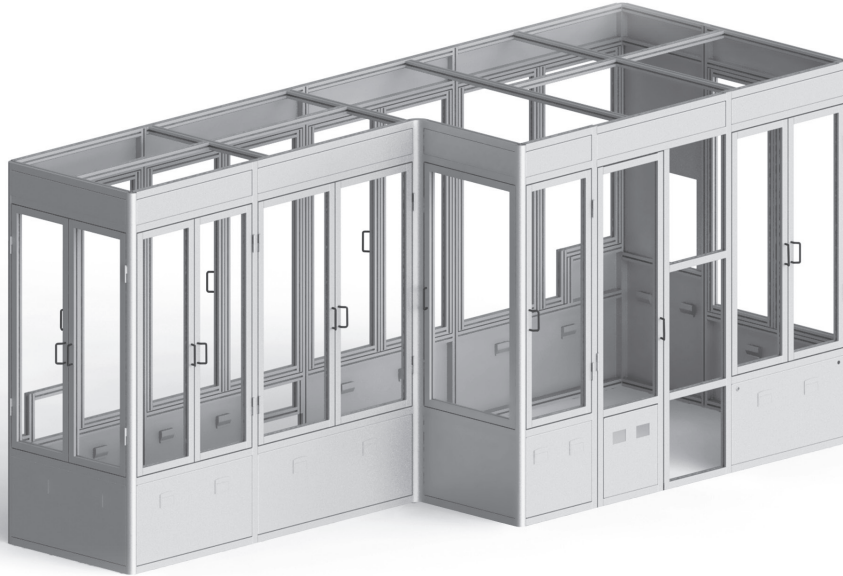
INDUSTRIAL EQUIPMENT

Bastidores de máquina Machine structures



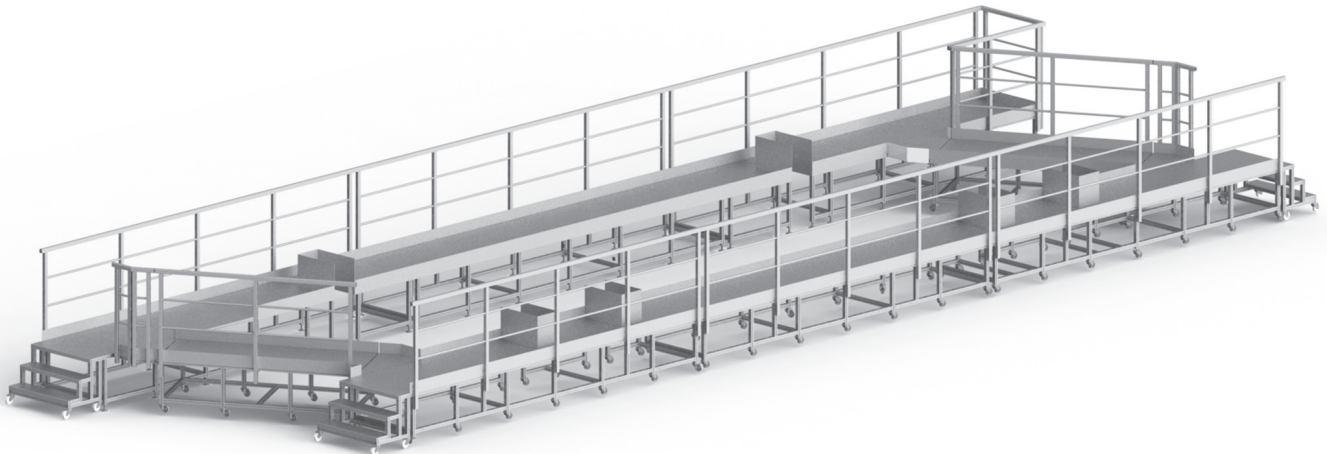
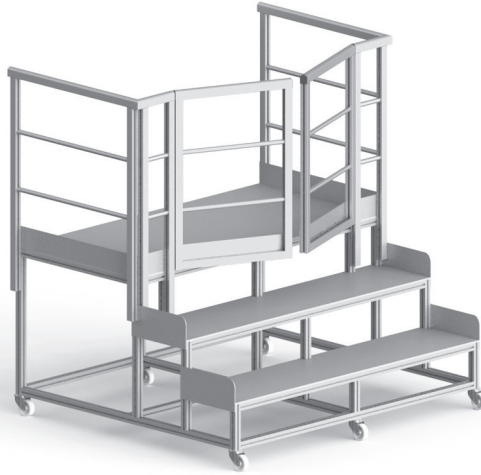
EQUIPAMIENTOS INDUSTRIALES

Protecciones de maquinaria Machine protections



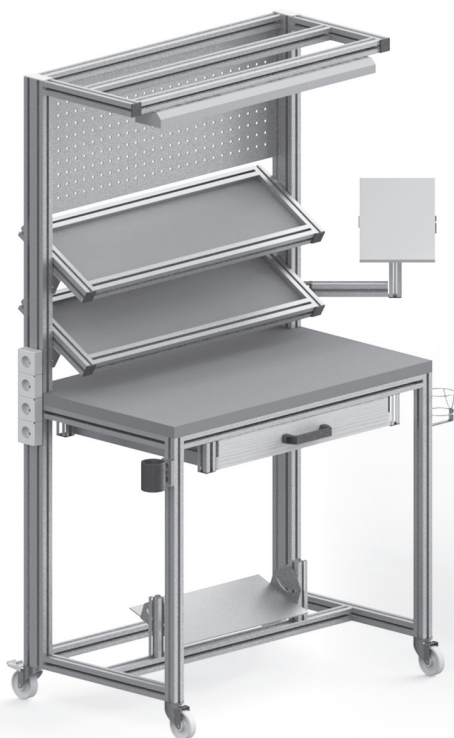
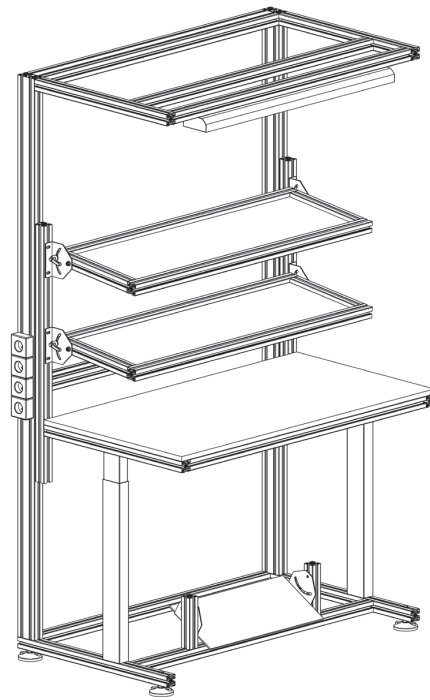
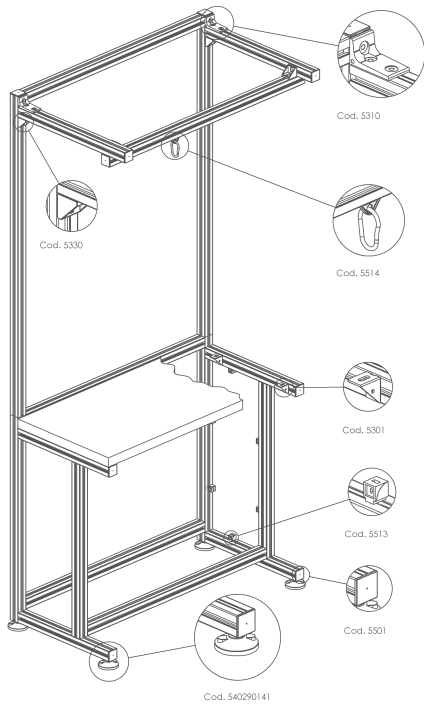
INDUSTRIAL EQUIPMENT

Plataformas y pasarelas Platforms and runways



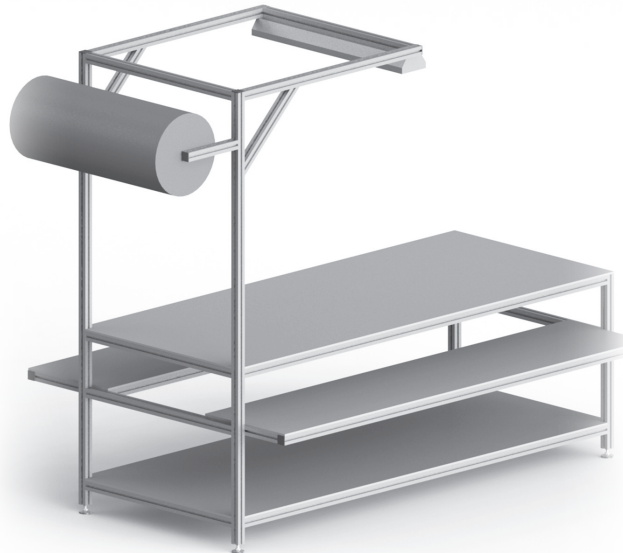
EQUIPAMIENTOS INDUSTRIALES

Estaciones de trabajo Working stations

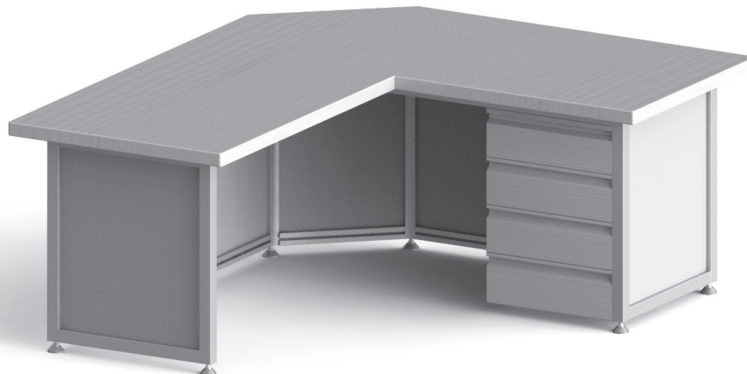


INDUSTRIAL EQUIPMENT

Mesas de trabajo Working tables



Mesas modulares Modular tables



EQUIPAMIENTOS INDUSTRIALES

Archivadores Counters



Paneles informativos Informative panels

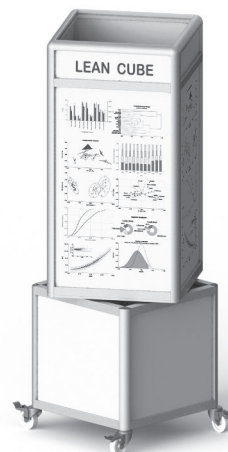
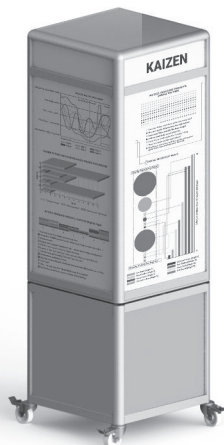
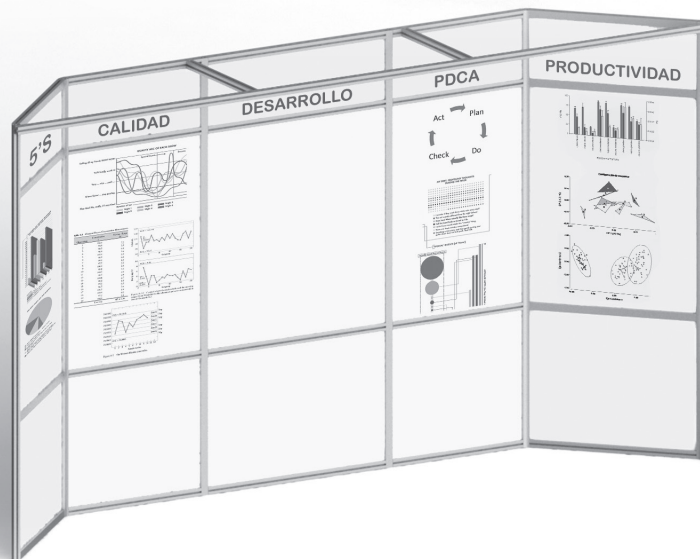
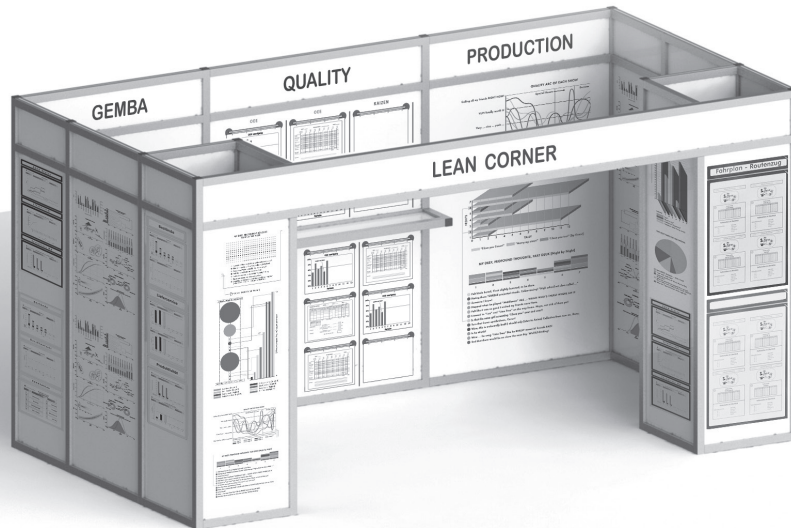


Pizarras Whiteboards



INDUSTRIAL EQUIPMENT

Estructuras para la gestión visual Visual management structures

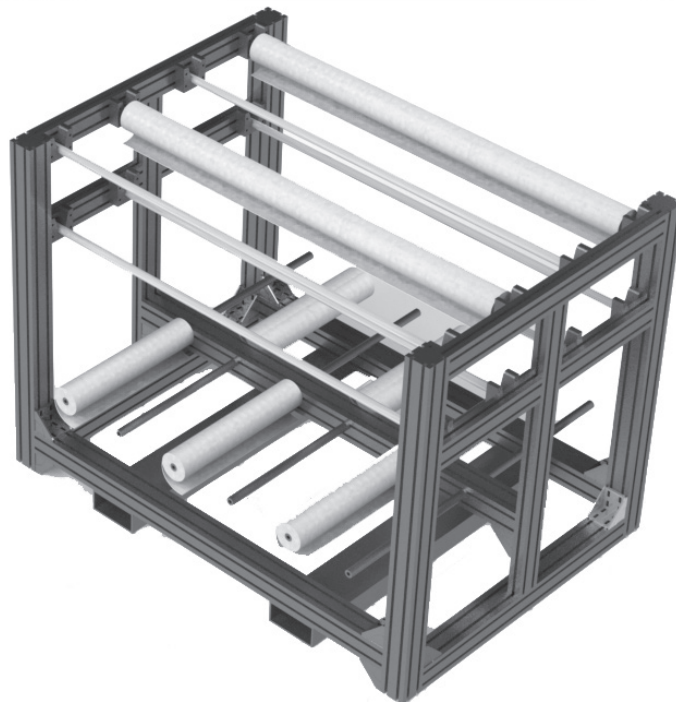
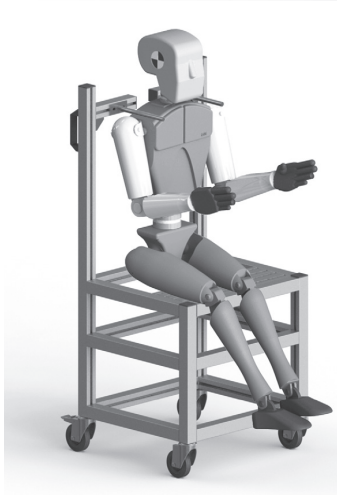


EQUIPAMIENTOS INDUSTRIALES

Carros de apoyo Transport and support trolleys

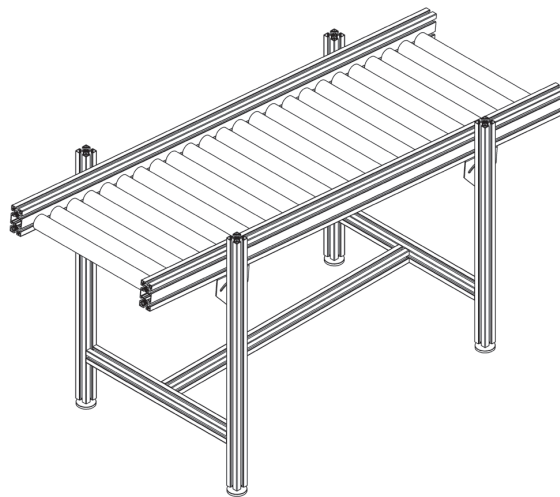
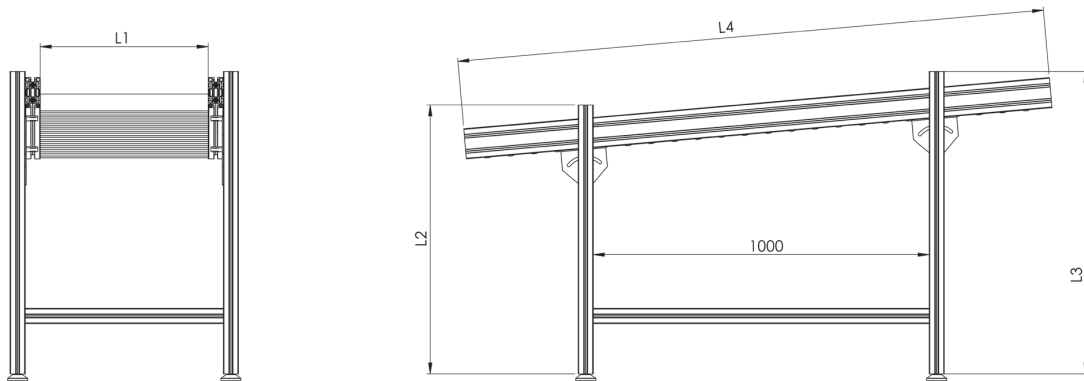


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Transportadores de rodillos Roller conveyors



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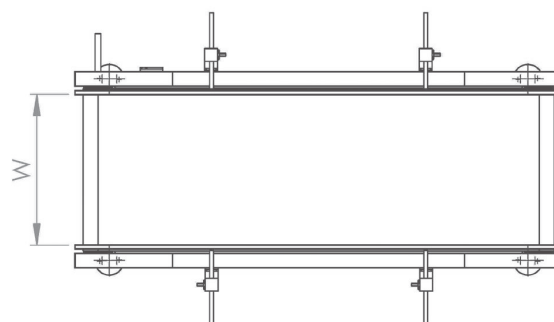
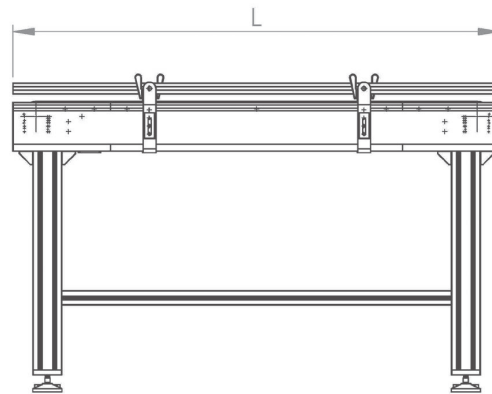
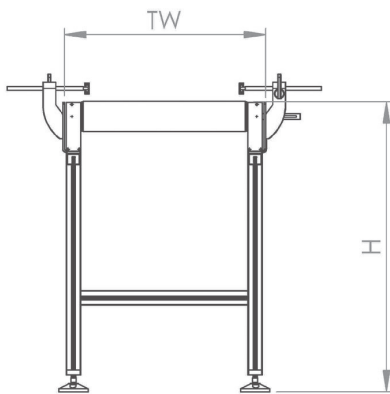
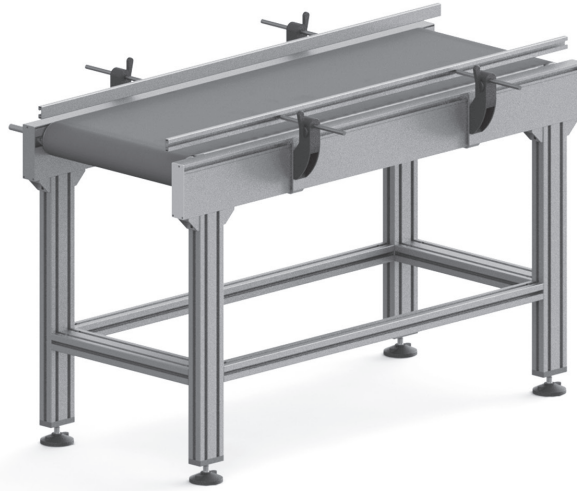


Transportadores de rodillos motorizados
Motorized roller conveyors



EQUIPAMIENTOS INDUSTRIALES

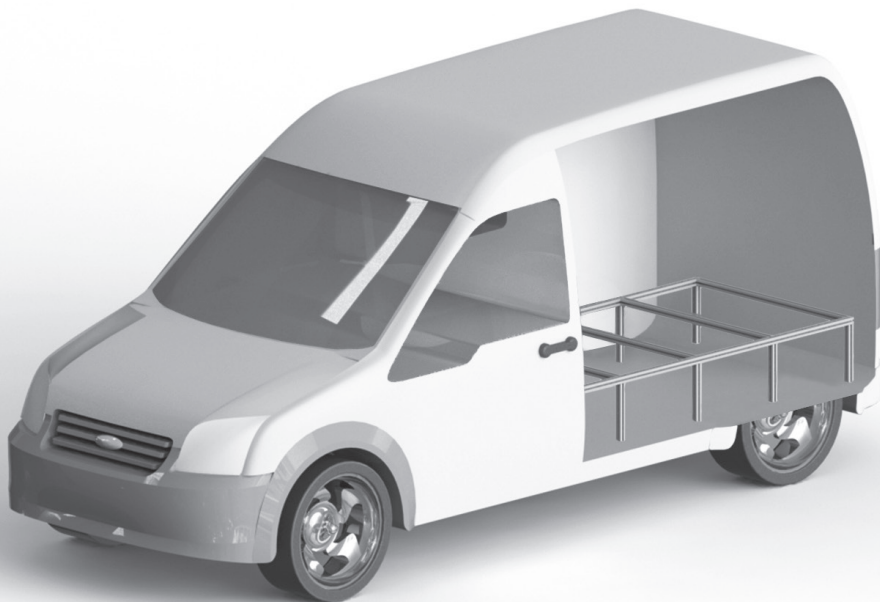
Transportadores de banda Belt conveyors



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Carterizaciones **Tailor-made equipment**

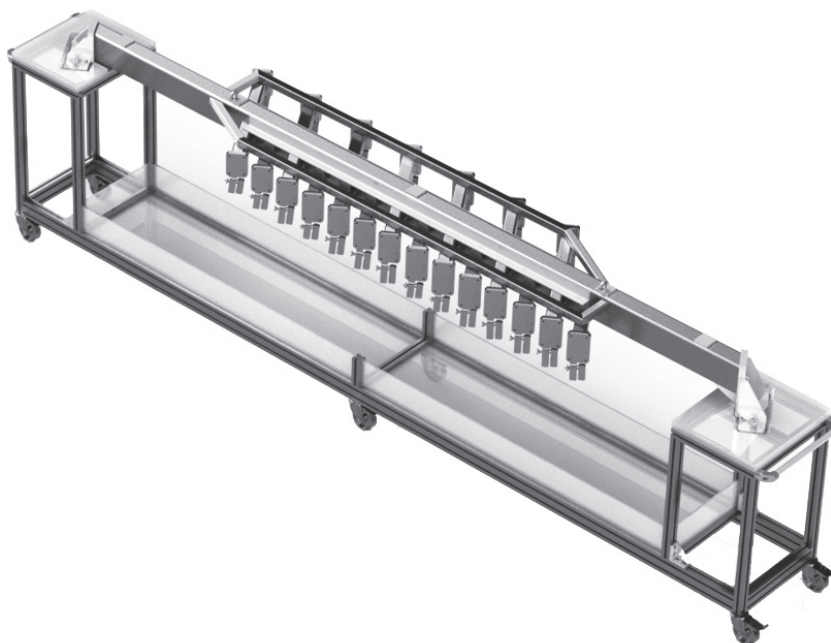


EQUIPAMIENTOS INDUSTRIALES

Carro porta herramientas
Tool trolley cabinets

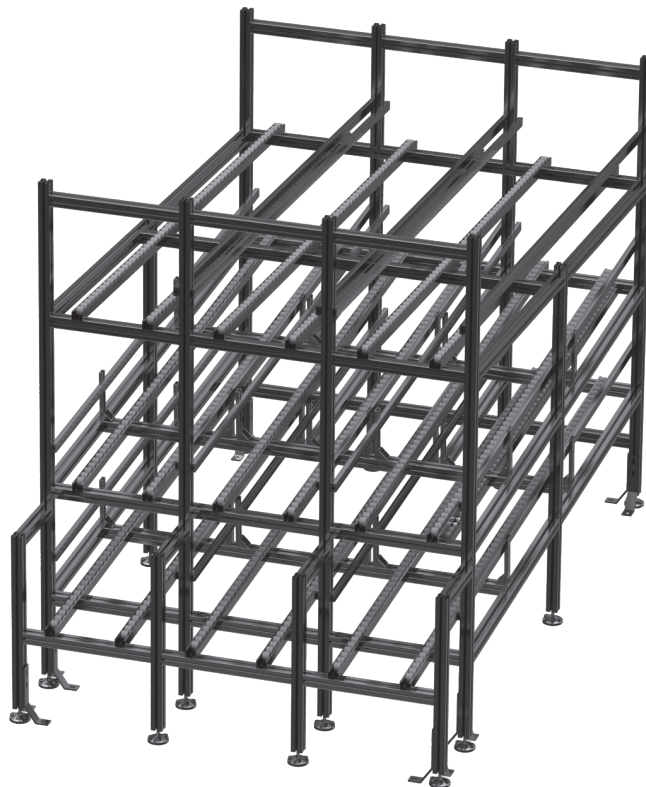


Carro utillaje
Tooling trolley



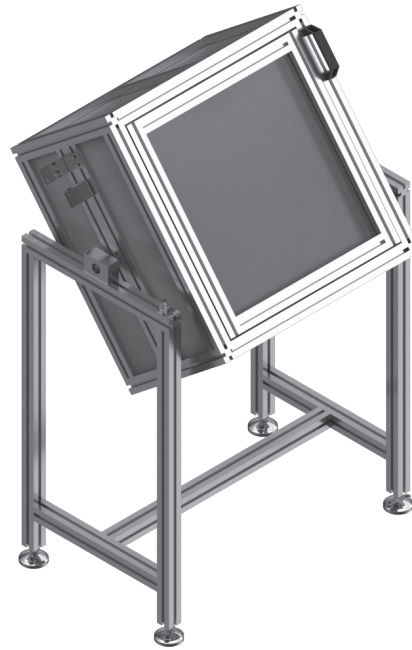
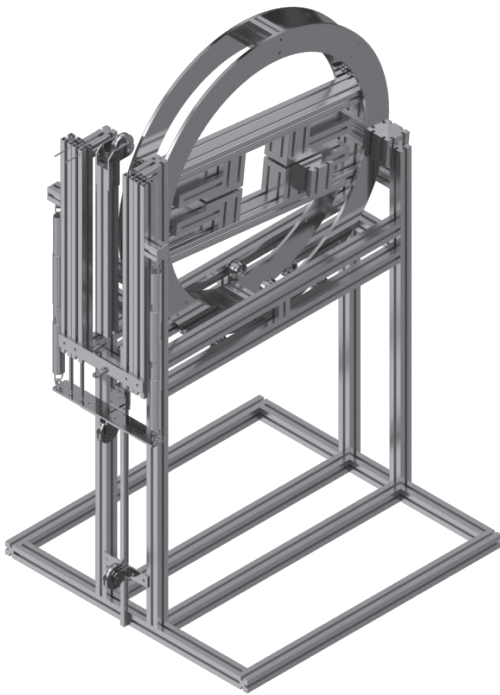
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Estanterías dinámicas Dynamic shelves



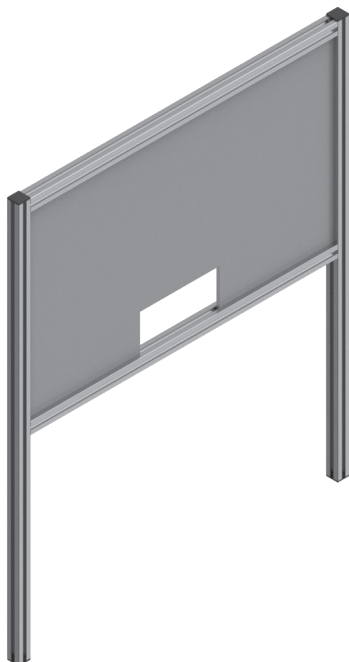
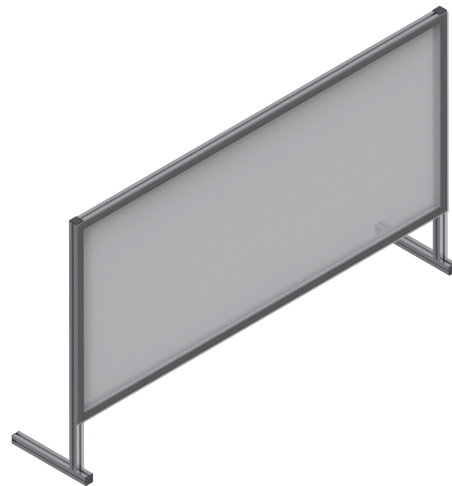
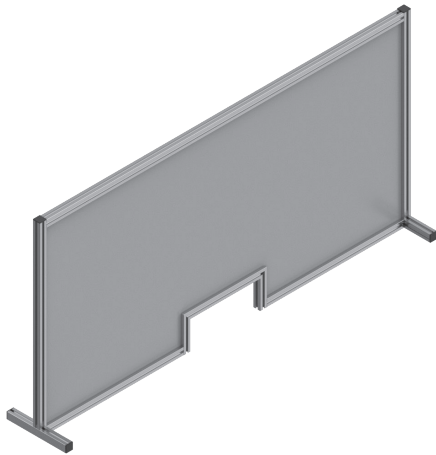
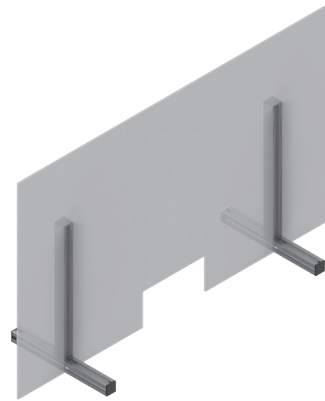
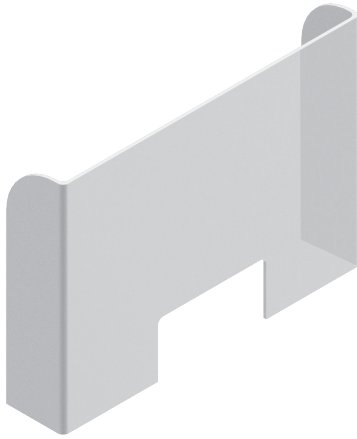
EQUIPAMIENTOS INDUSTRIALES

Volteadores Turning tables



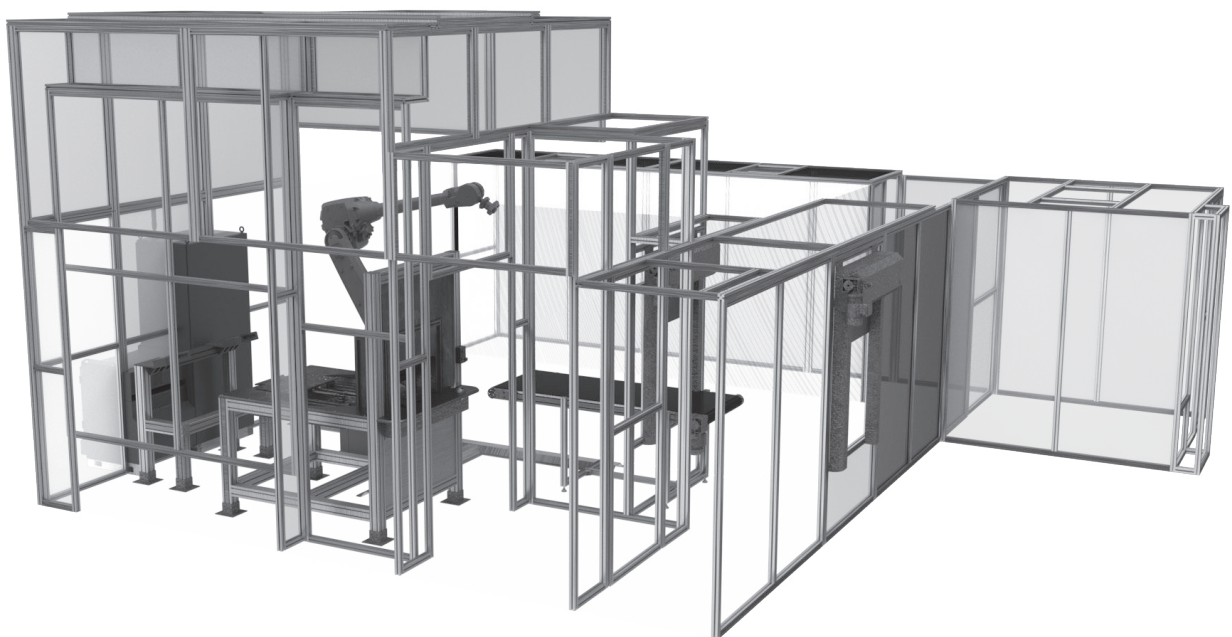
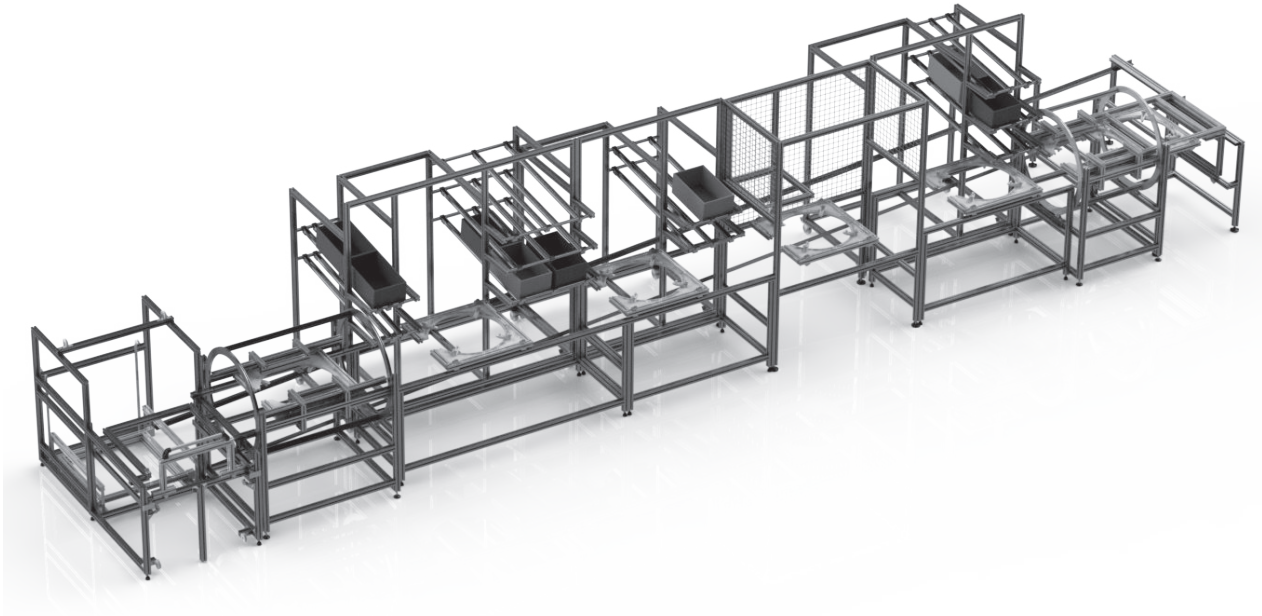
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Mamparas de protección Safety screens



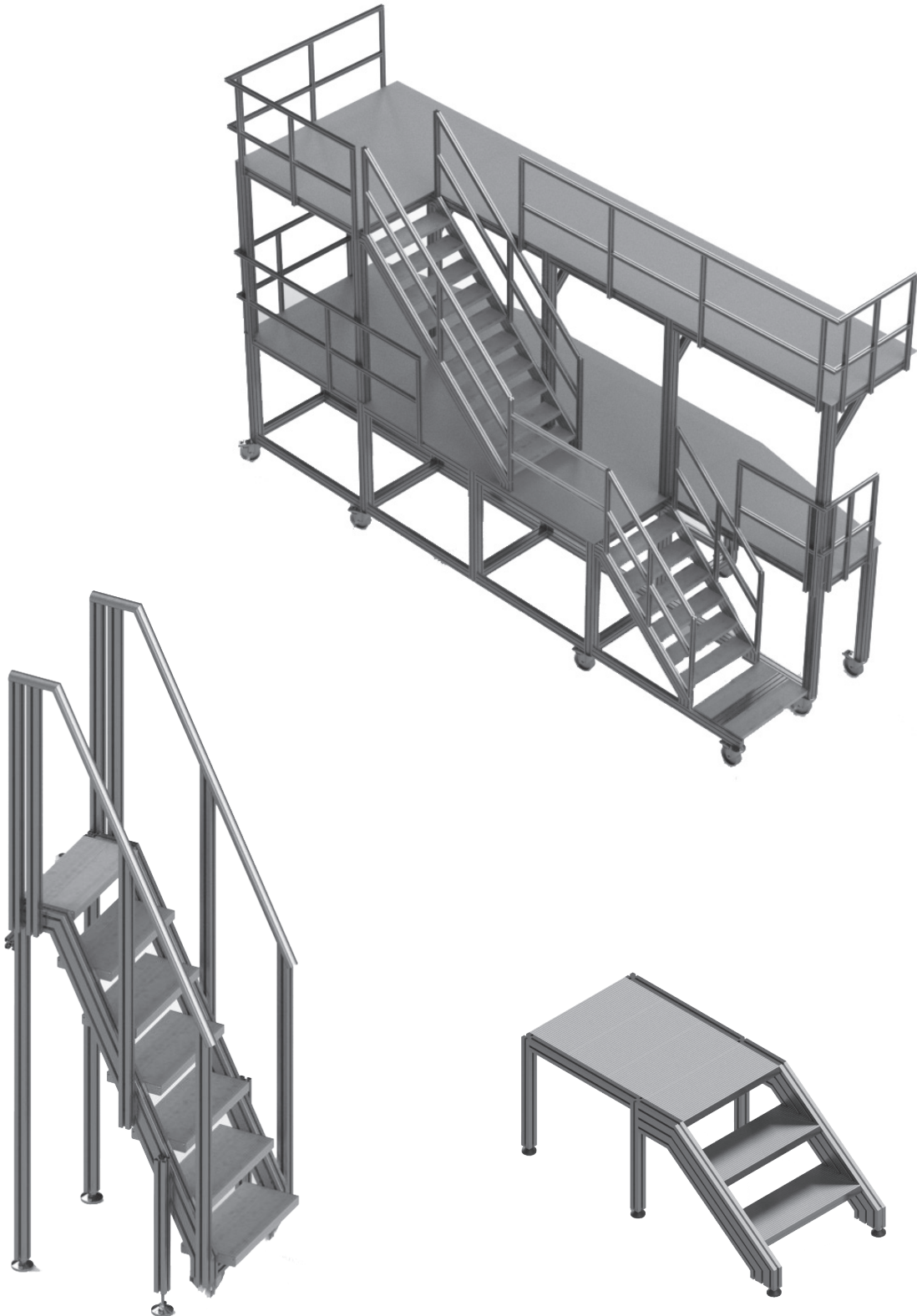
EQUIPAMIENTOS INDUSTRIALES

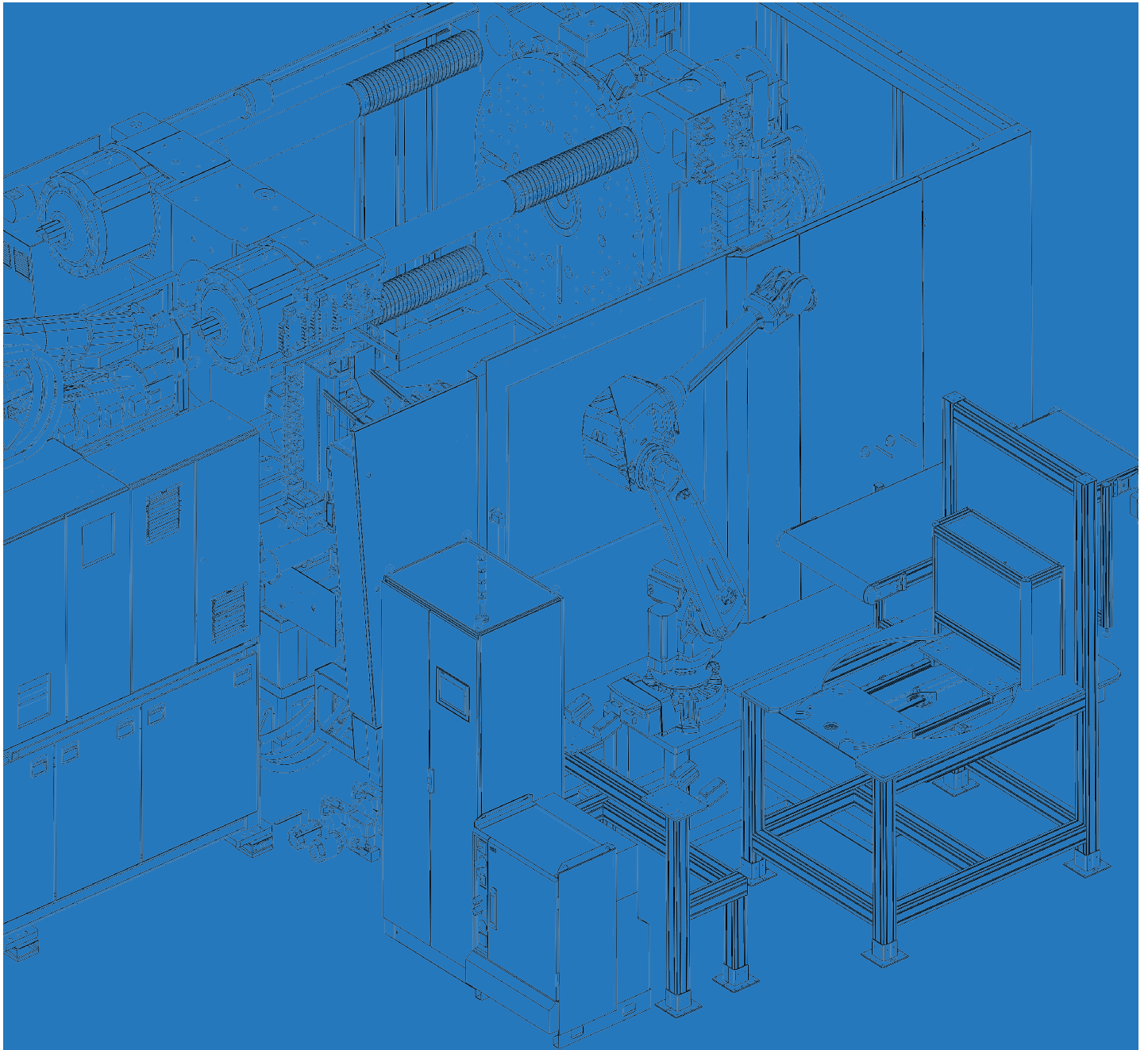
Líneas de producción Assembly lines



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Escaleras Stairs





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