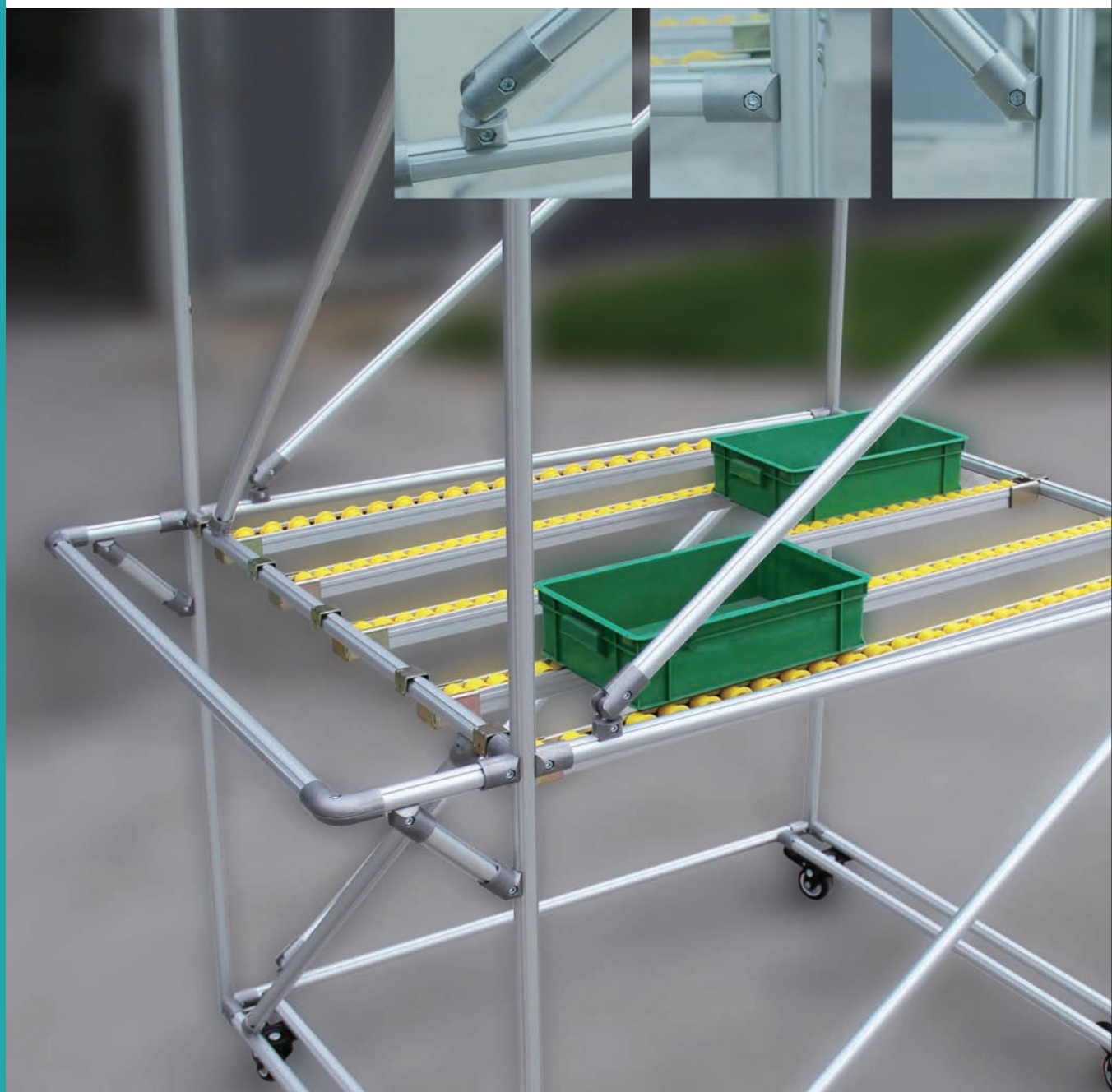


Tubular Framing System



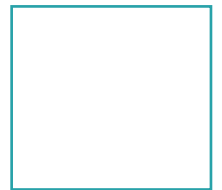
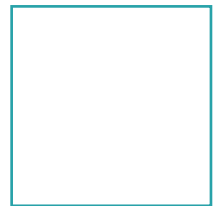
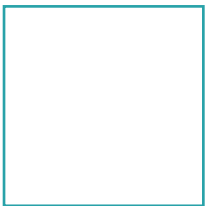
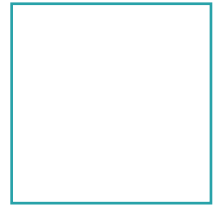
Sistema de Estructuras Tubulares
Tubular Framing System



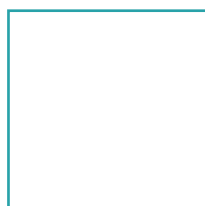
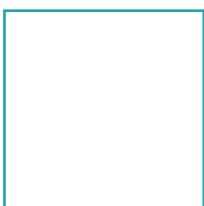
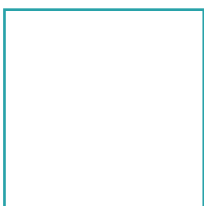
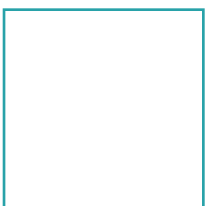
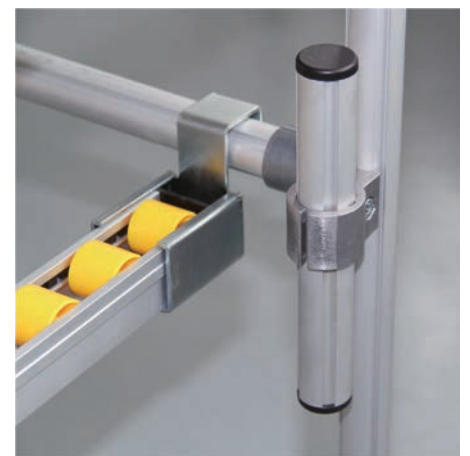
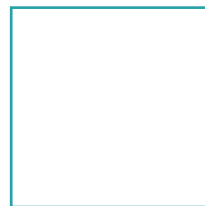
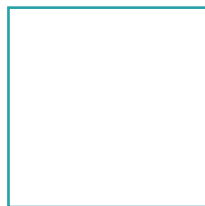


Sistema de Estructuras Tubulares

Tubular Framing System



Sistema de Estructuras Tubulares



Sistema de estructuras Tubulares

Tubular Framing System

El Sistema de Estructuras Tubulares (TFS) es un sistema modular flexible compuesto de perfiles tubulares y sus accesorios correspondientes, brindando una amplia gama de posibilidades. Flow Racks, transportadores, estaciones de trabajo o cualquier otro sistema estructural. La característica clave de este sistema es su fácil manipulación, ofreciendo una máxima eficiencia en costos.

Características

Features

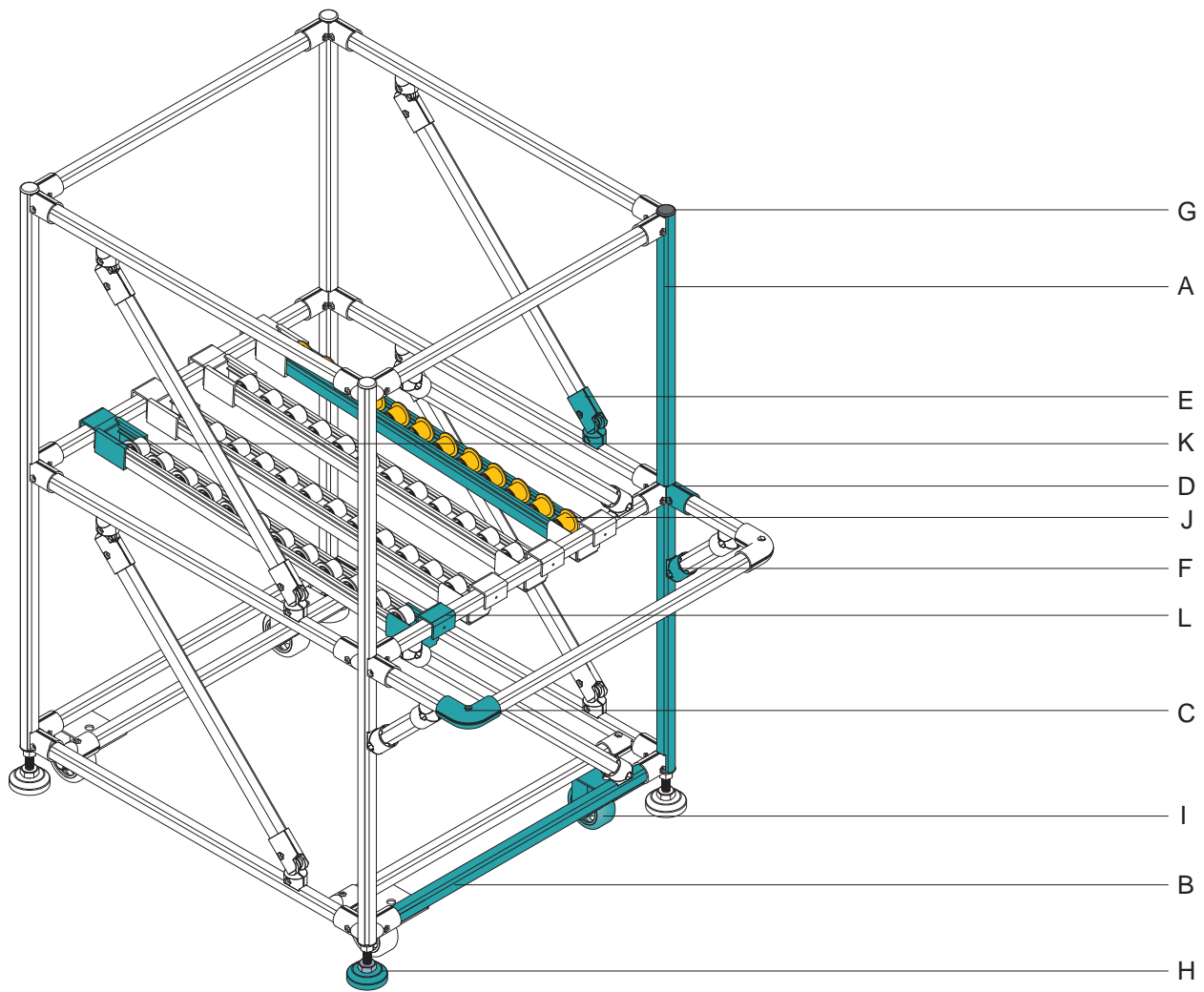
Simple	Versátil	Eficiente	Confiable	Atractivo
Módulos simples y de fácil combinación.	Brinda diferentes posibilidades debido a su composición modular, permitiendo al usuario reconfigurar estructuras de acuerdo a su necesidad.	Ensamble rápido, y estable. Contempla diversas necesidades dentro de la industria. Excelente relación calidad precio.	Excelente durabilidad. Perfiles y accesorios de alta calidad.	Forma, Función y Estética combinadas para ofrecerte la mejor solución.

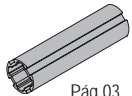
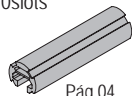
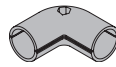

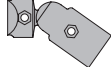


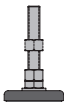
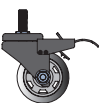
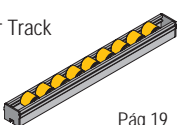
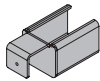
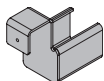
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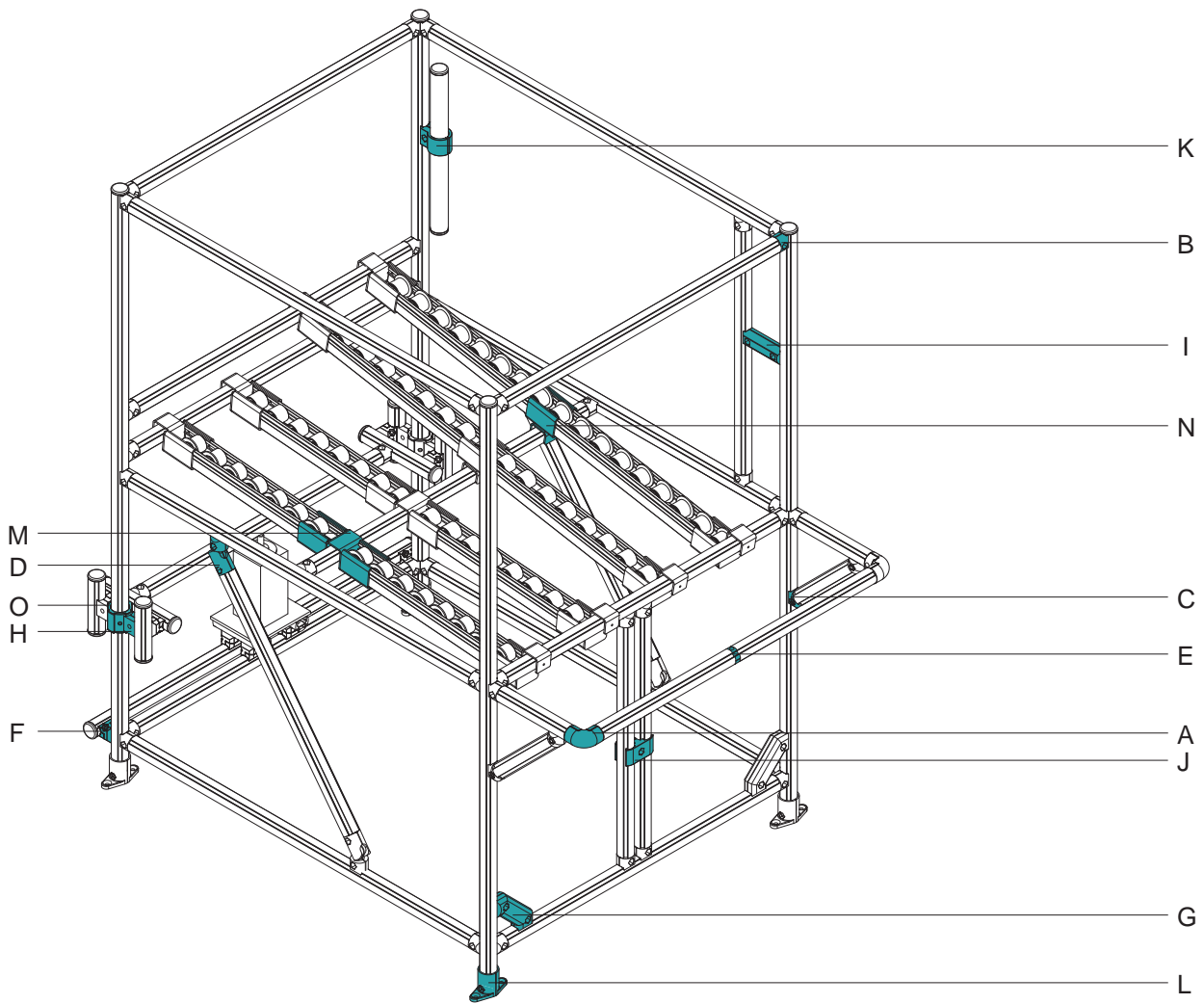
Applications

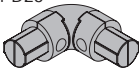


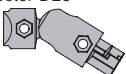
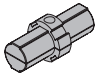



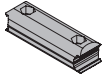


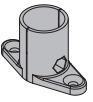
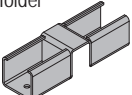


Este sistema es ampliamente utilizado en fábricas, depósitos y especialmente en procesos de montaje de la industria electrónica y automotriz. Es una herramienta esencial para las integraciones de logística.





<p>A Profile Tube D28</p>  <p>Pág 03</p>	<p>B Profile Tube D28,10slots</p>  <p>Pág 04</p>	<p>C L Outer Connector D28</p>  <p>Pág 07</p>	<p>D 90° Outer Connector D28</p>  <p>Pág 07</p>
<p>E 0-80° Outer Connector D28</p>  <p>Pág 08</p>	<p>F 45° Outer Connector D28</p>  <p>Pág 07</p>	<p>G Cap</p>  <p>Pág 13</p>	<p>H Leveling Foot</p>  <p>Pág 15</p>
<p>I Castor</p>  <p>Pág 16</p>	<p>J Flow Roller Track</p>  <p>Pág 19</p>	<p>K Flat Rail Holder</p>  <p>Pág 20</p>	<p>L High Rail Holder</p>  <p>Pág 20</p>



<p>A L Inner Connector D28</p>  <p>Pág 08</p>	<p>B 90° Inner Connector D28</p>  <p>Pág 09</p>	<p>C 45° Inner Connector D28</p>  <p>Pág 09</p>	<p>D 0-80° Inner Connector D28</p>  <p>Pág 09</p>
<p>E Linear Inner Connector D28</p>  <p>Pág 10</p>	<p>F Cross Connector D28</p>  <p>Pág 10</p>	<p>G 45° Bracing Strut D28</p>  <p>Pág 10</p>	<p>H Parallel ConnectorA D28</p>  <p>Pág 11</p>
<p>I Parallel ConnectorB D28</p>  <p>Pág 11</p>	<p>J Parallel Adapter D28</p>  <p>Pág 11</p>	<p>K Single Adapter D28</p>  <p>Pág 12</p>	<p>L T Base D28</p>  <p>Pág 17</p>
<p>M Bilateral Flat Rail Holder</p>  <p>Pág 21</p>	<p>N Cross Rail Holder</p>  <p>Pág 21</p>	<p>O Slide Adapter D28</p>  <p>Pág 23</p>	

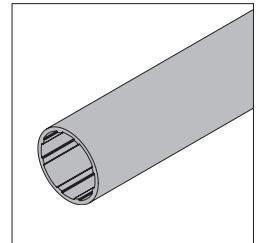
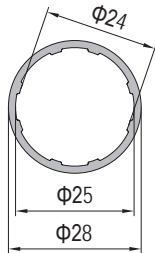
Perfil Tubular

Tube Profile

El perfil tubular TFS presenta una tolerancia estándar según norma GB 5237-2008. El tratamiento de la superficie es anodizado satinado. La longitud estándar de los perfiles es de 5800mm.

Tubo D28

Tube D28

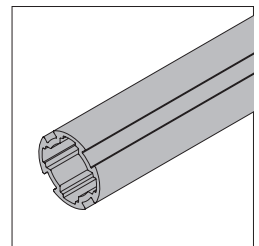
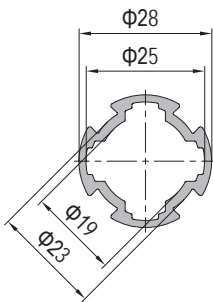


⚠ El Tubo D28 puede ser unido mediante conectores internos o externos.

Descripción	Momento Inercia $I_x(\text{cm}^4)$	Momento Inercia $I_y(\text{cm}^4)$	Módulo Resistente $W_x(\text{cm}^3)$	Módulo Resistente $W_y(\text{cm}^3)$	Masa (kg/m)	Part No.
Tube D28	1.3	1.3	0.9	0.9	0.36	TFS.D28

Perfil Tubular D28

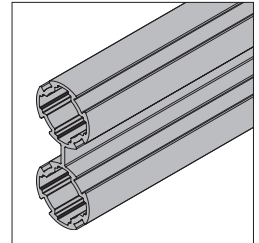
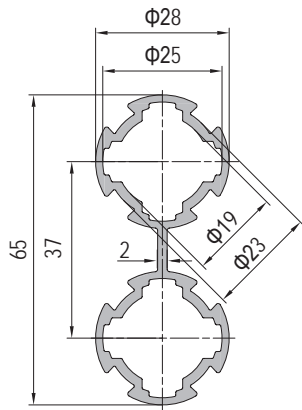
Profile Tube D28



Descripción	Momento Inercia $I_x(\text{cm}^4)$	Momento Inercia $I_y(\text{cm}^4)$	Módulo Resistente $W_x(\text{cm}^3)$	Módulo Resistente $W_y(\text{cm}^3)$	Masa (kg/m)	Part No.
Profile Tube D28	1.6	1.6	1.03	1.03	0.48	TFS.D28.1

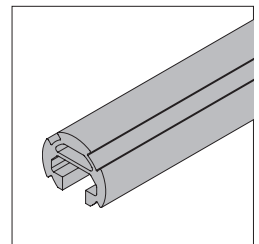
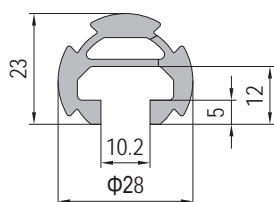
Perfil Tubular
Profile Tube

Doble Perfil Tubular D28
Double Profile Tube D28



Descripción	Momento Inercia $x(\text{cm}^4)$	Momento Inercia $ly(\text{cm}^4)$	Módulo Resistente $Wx(\text{cm}^3)$	Módulo Resistente $Wy(\text{cm}^3)$	Masa (kg/m)	Part No.
Double Profile Tube D28	14.97	2.67	4.6	1.9	1.15	TFS.D28.1.D

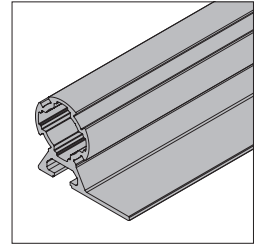
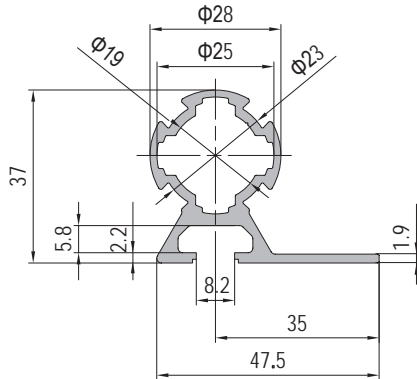
Perfil Tubular D28,10 ranuras
Profile Tube D28,10slots



Descripción	Momento Inercia $x(\text{cm}^4)$	Momento Inercia $ly(\text{cm}^4)$	Módulo Resistente $Wx(\text{cm}^3)$	Módulo Resistente $Wy(\text{cm}^3)$	Masa (kg/m)	Part No.
Profile Tube D28,10slots	1.1	1.9	0.8	1.3	0.68	TFS.D28.1.10

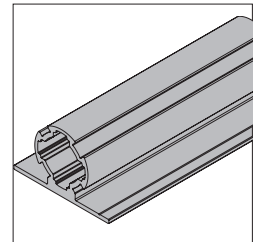
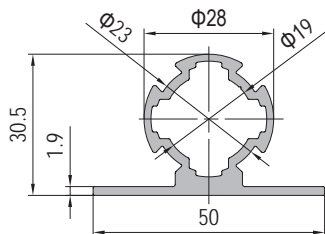
Perfil Tubular
Profile Tube

Perfil Tubular SW D28
SW Profile Tube D28



Descripción	Momento Inercia x(cm ⁴)	Momento Inercia ly(cm ⁴)	Módulo Resistente Wx(cm ³)	Módulo Resistente Wy(cm ³)	Masa (kg/m)	Part No.
SW Profile Tube D28	5.7	2.95	3.1	1.24	0.86	TFS.D28.1.SW

Perfil Tubular DW D28
DW Profile Tube D28



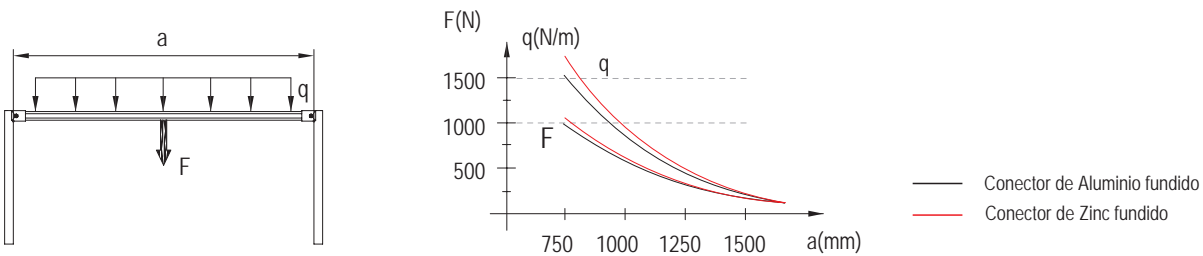
Descripción	Momento Inercia x(cm ⁴)	Momento Inercia ly(cm ⁴)	Módulo Resistente Wx(cm ³)	Módulo Resistente Wy(cm ³)	Masa (kg/m)	Part No.
DW Profile Tube D28	3.35	2.95	1.2	1.18	0.79	TFS.D28.1.DW

Conectores
Connectors

Los Perfiles Tubulares D28 se pueden unir fácilmente mediante conectores de diferentes ángulos.

Capacidad de Carga
Loading Capacity

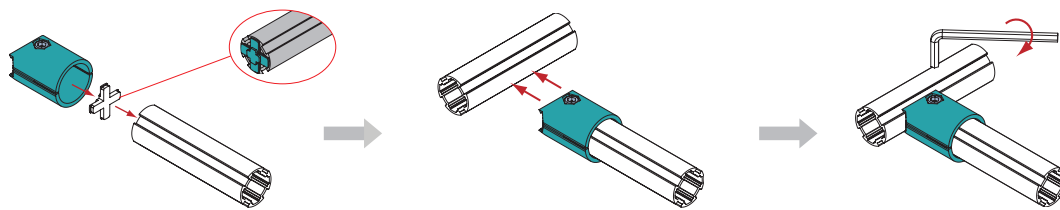
Los conectores están disponibles en dos tipos de materiales: Fundición de Zinc y Fundición de aluminio. Ambos con superficie pulida. Los conectores de zinc son relativamente más costosos, pero sus propiedades físicas son mejores que las del aluminio. Las especificaciones se muestran a continuación:



Alternativas de Instalación
Installation Alternatives

Los conectores se pueden dividir según la forma de instalación, en conectores interiores o exteriores.

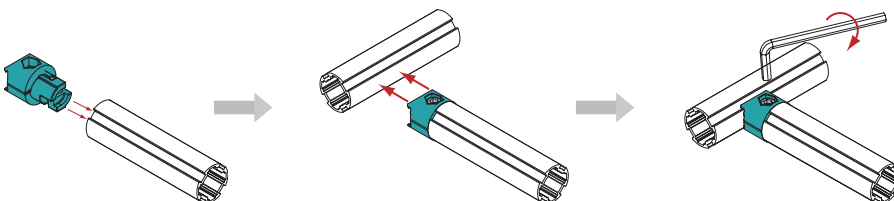
Instalación para conectores exteriores



Anti-Torsion Block
Material: PA6

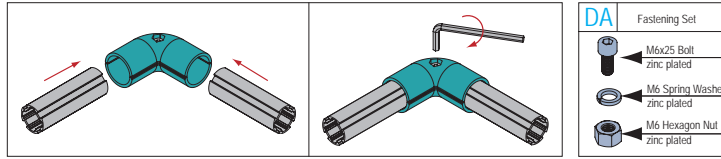
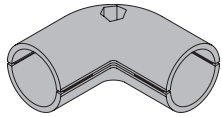
Anti-Torsion Block se ordena por separado, ver en Pág.13.

Instalación para conectores interiores

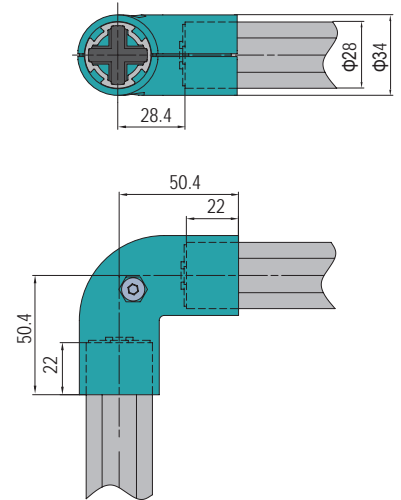


Conectores
Connectors

Conector Externo Tipo L D28
L Outer Connector D28

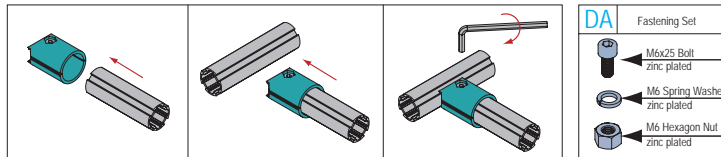
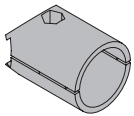


DA	Fastening Set
	M6x25 Bolt zinc plated
	M6 Spring Washer zinc plated
	M6 Hexagon Nut zinc plated

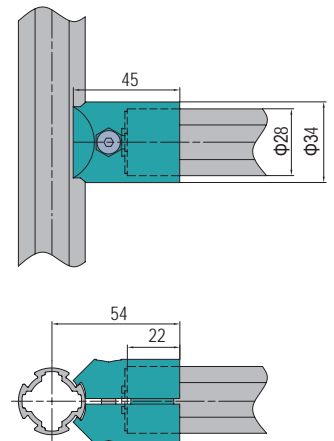


Descripción	Material	Fastening Set	Anti-Torsion Block	Masa (g)	Part No.
L Outer Connector D28	Diecast Zinc	1XDA	2X	298	TFS.D28.2.01.01A
	Diecast Aluminum	1XDA	2X	117	TFS.D28.2.01.01B

Conector Externo 90° D28
90° Outer Connector D28

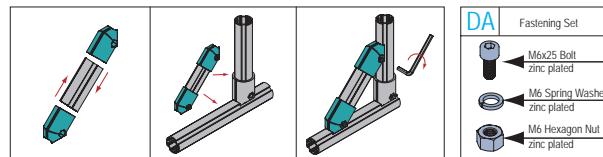
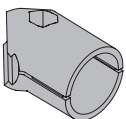


DA	Fastening Set
	M6x25 Bolt zinc plated
	M6 Spring Washer zinc plated
	M6 Hexagon Nut zinc plated

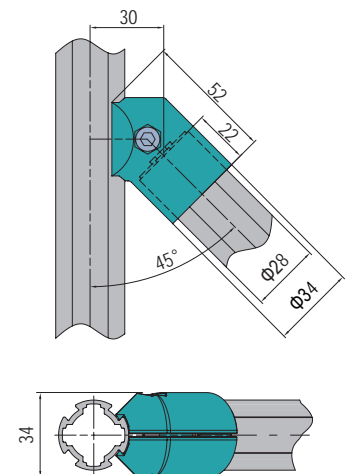


Descripción	Material	Fastening Set	Anti-Torsion Block	Masa (g)	Part No.
90° Outer Connector D28	Diecast Zinc	1XDA	1X	130	TFS.D28.2.01.02A
	Diecast Aluminum	1XDA	1X	55	TFS.D28.2.01.02B

Conector Externo 45° D28
45° Outer Connector D28



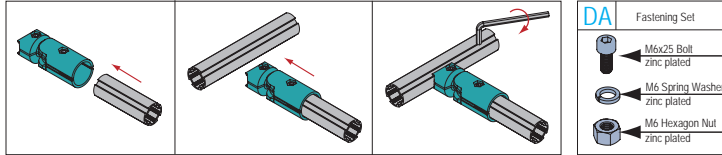
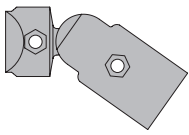
DA	Fastening Set
	M6x25 Bolt zinc plated
	M6 Spring Washer zinc plated
	M6 Hexagon Nut zinc plated



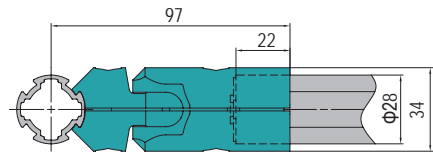
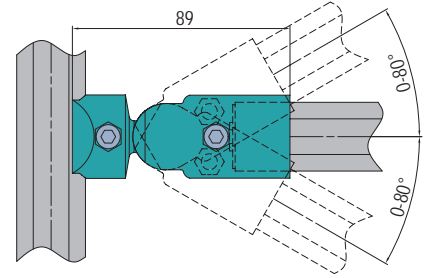
Descripción	Material	Fastening Set	Anti-Torsion Block	Masa (g)	Part No.
45° Outer Connector D28	Diecast Zinc	1XDA	1X	140	TFS.D28.2.01.03A
	Diecast Aluminum	1XDA	1X	57	TFS.D28.2.01.03B

Conectores
Connectors

Conector Externo 0-80° D28
0-80° Outer Connector D28

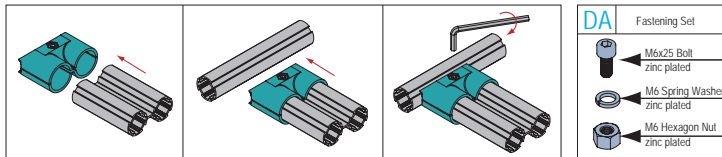
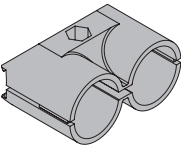


- DA** Fastening Set
- M6x25 Bolt zinc plated
 - M6 Spring Washer zinc plated
 - M6 Hexagon Nut zinc plated

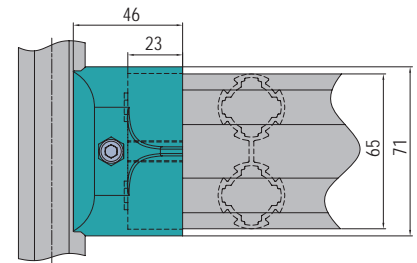
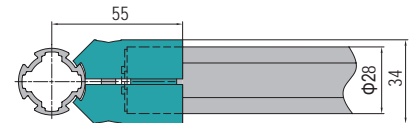


Descripción	Material	Fastening Set	Anti-Torsion Block	Masa (g)	Part No.
0-80° Outer Connector D28	Diecast Zinc	2XDA	1X	322	TFS.D28.2.01.04A
	Diecast Aluminum	2XDA	1X	132	TFS.D28.2.01.04B

Conector Externo para Doble Perfil Tubular 90°D28
90° Outer Connector for Double Profile Tube D28

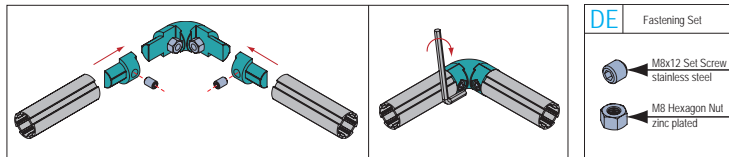
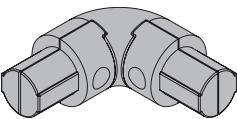


- DA** Fastening Set
- M6x25 Bolt zinc plated
 - M6 Spring Washer zinc plated
 - M6 Hexagon Nut zinc plated

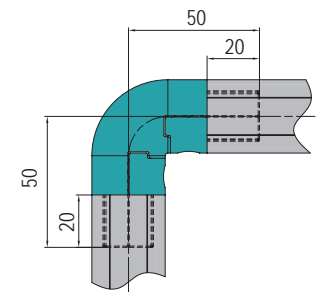
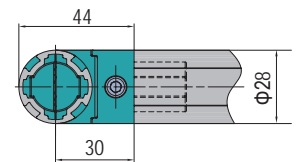


Descripción	Material	Fastening Set	Masa (g)	Part No.
90° Outer Connector for Double Profile Tube D28	Diecast Zinc	1XDA	334	TFS.D28.2.01.05A
	Diecast Aluminum	1XDA	143.5	TFS.D28.2.01.05B

Conector Interno Tipo L D28
L Inner Connector D28



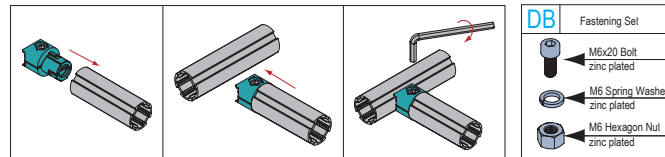
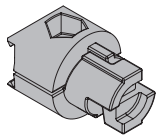
- DE** Fastening Set
- M8x12 Set Screw stainless steel
 - M8 Hexagon Nut zinc plated



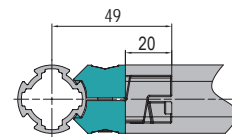
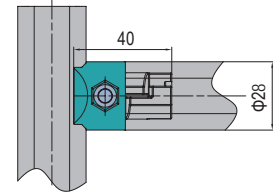
Descripción	Material	Fastening Set	Masa (g)	Part No.
L Inner Connector D28	Diecast Zinc	2XDE	275	TFS.D28.2.02.01A
	Diecast Aluminum	2XDE	117.5	TFS.D28.2.02.01B

Conectores
Connectors

Conector Interno a 90° D28
90° Inner Connector D28

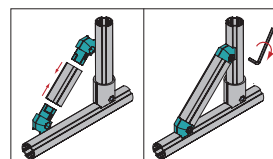
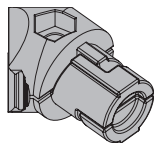


DB	Fastening Set
	M6x20 Bolt zinc plated
	M6 Spring Washer zinc plated
	M6 Hexagon Nut zinc plated

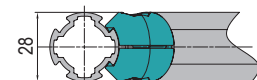
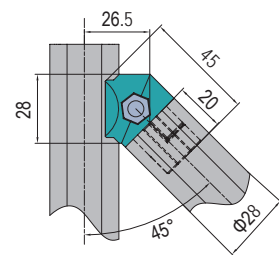


Descripción	Material	Fastening Set	Masa (g)	Part No.
90° Inner Connector D28	Diecast Zinc	1XDB	94.5	TFS.D28.2.02.02A
	Diecast Aluminum	1XDB	51.5	TFS.D28.2.02.02B

Conector Interno a 45° D28
45° Inner Connector D28

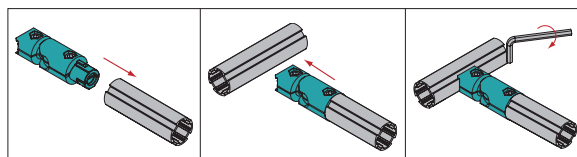
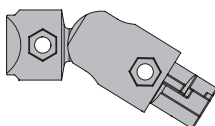


DB	Fastening Set
	M6x20 Bolt zinc plated
	M6 Spring Washer zinc plated
	M6 Hexagon Nut zinc plated

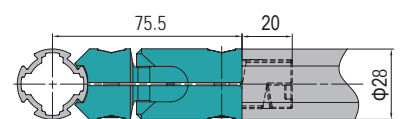
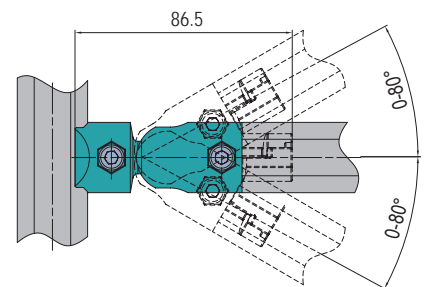


Descripción	Material	Fastening Set	Masa (g)	Part No.
45° Inner Connector D28	Diecast Zinc	1XDB	101	TFS.D28.2.02.03A
	Diecast Aluminum	1XDB	41.5	TFS.D28.2.02.03B

Conector Interno a 0-80° D28
0-80° Inner Connector D28



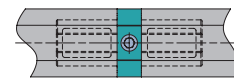
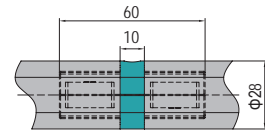
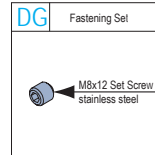
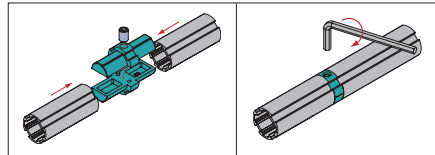
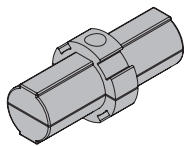
DB	Fastening Set
	M6x20 Bolt zinc plated
	M6 Spring Washer zinc plated
	M6 Hexagon Nut zinc plated



Descripción	Material	Fastening Set	Masa (g)	Part No.
0-80° Inner Connector D28	Diecast Zinc	2XDB	237	TFS.D28.2.02.04A
	Diecast Aluminum	2XDB	109	TFS.D28.2.02.04B

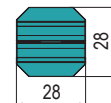
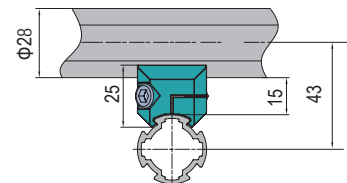
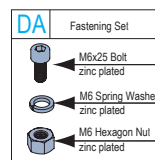
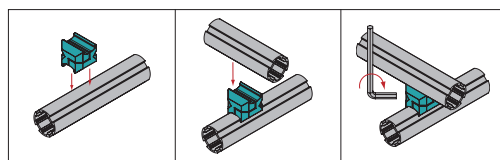
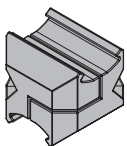
Conectores
Connectors

Conector Interior Lineal D28
Linear Inner Connector D28



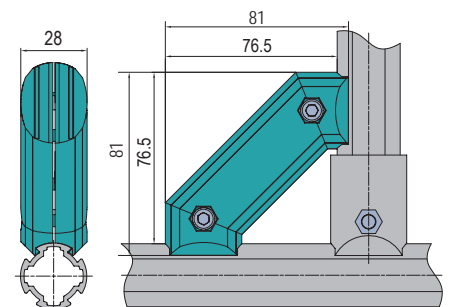
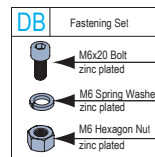
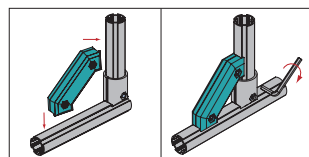
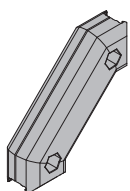
Descripción	Material	Fastening Set	Masa (g)	Part No.
Linear Inner Connector D28	Diecast Zinc	1XDG	98.5	TFS.D28.2.02.05A
	Diecast Aluminum	1XDG	42	TFS.D28.2.02.05B

Conector Transversal D28
Cross Connector D28



Descripción	Material	Fastening Set	Masa (g)	Part No.
Cross Connector D28	Diecast Zinc	1XDA	85	TFS.D28.2.03.01A
	Diecast Aluminum	1XDA	43	TFS.D28.2.03.01B

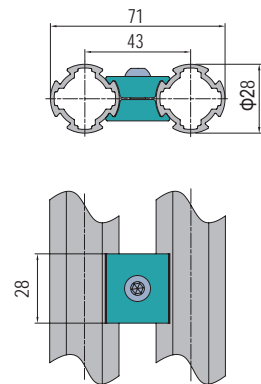
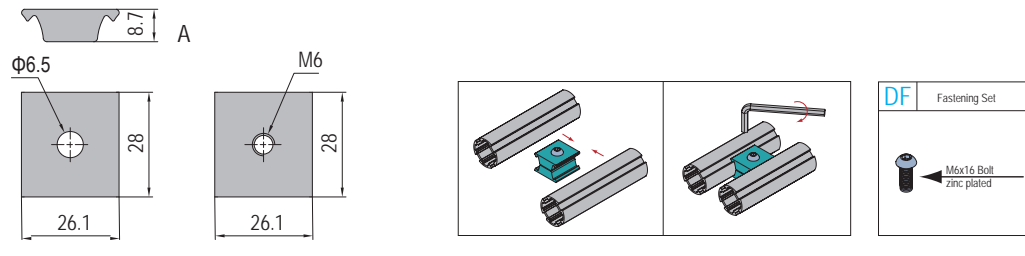
Escuadra de refuerzo a 45° D28
45° Bracing Strut D28



Descripción	Material	Fastening Set	Masa (g)	Part No.
45° Bracing Strut D28	Diecast Zinc	2XDB	407	TFS.D28.2.03.02A
	Diecast Aluminum	2XDB	180	TFS.D28.2.03.02B

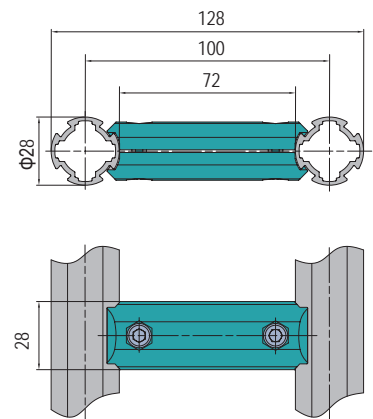
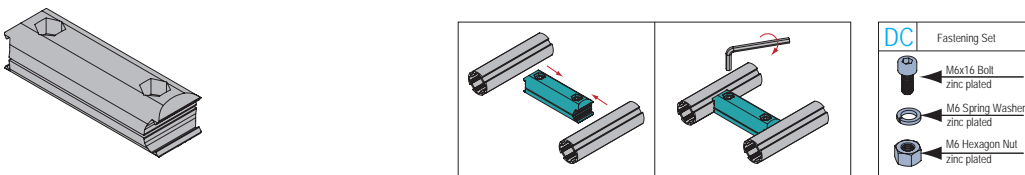
Conectores
Connectors

Conector Paralelo A D28
Parallel Connector A D28



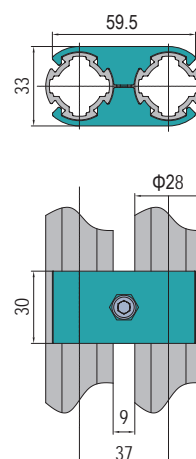
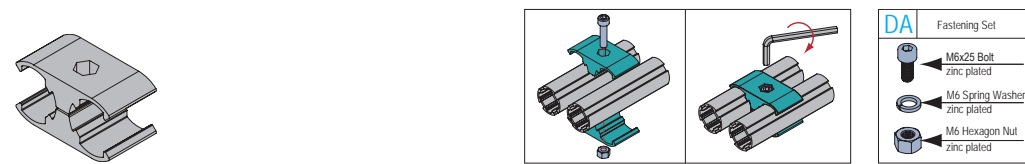
Descripción	Material	Fastening Set	Masa (g)	Part No.
Parallel Connector A D28	Aluminum Alloy	1XDF	22	TFS.D28.2.03.03

Conector Paralelo B D28
Parallel Connector B D28



Descripción	Material	Fastening Set	Masa (g)	Part No.
Parallel Connector B D28	Diecast Zinc	2XDC	228	TFS.D28.2.03.04A
	Diecast Aluminum	2XDC	107	TFS.D28.2.03.04B

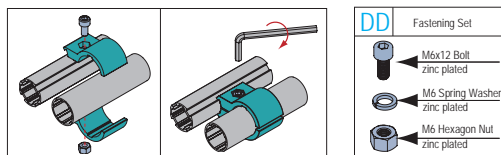
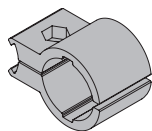
Adaptador Paralelo D28
Parallel Adapter D28



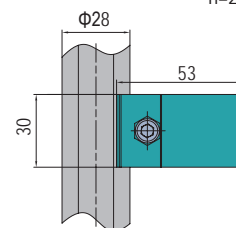
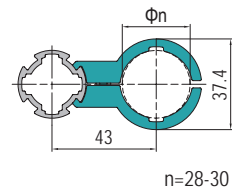
Descripción	Material	Fastening Set	Masa (g)	Part No.
Parallel Adapter D28	Diecast Zinc	1XDA	149.5	TFS.D28.2.03.05A
	Diecast Aluminum	1XDA	67.5	TFS.D28.2.03.05B

Conectores
Connectors

Adaptador Simple D28
Single Adapter D28



DD	Fastening Set
	M6x12 Bolt zinc plated
	M6 Spring Washer zinc plated
	M6 Hexagon Nut zinc plated



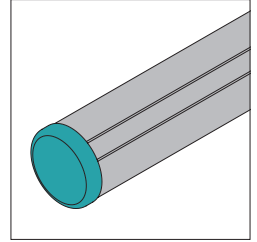
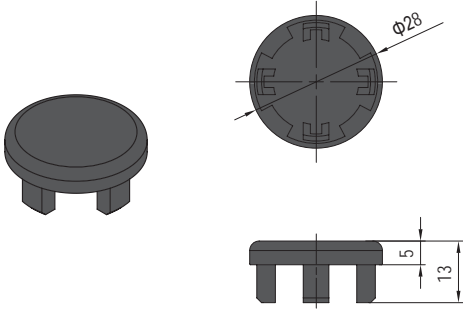
Descripción	Material	Fastening Set	Masa (g)	Part No.
Single Adapter D28	Diecast Zinc	1XDD	133.5	TFS.D28.2.03.06A
	Diecast Aluminum	1XDD	60.5	TFS.D28.2.03.06B

Accesorios de unión Joint Accessories

Tapa Cap

Material: ABS

Las tapas para los extremos de los perfiles pueden prevenir el desgaste, ocultan bordes filosos y mejoran la apariencia del producto.

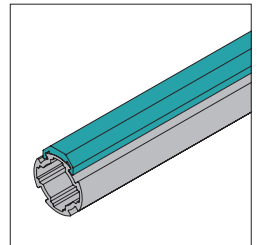
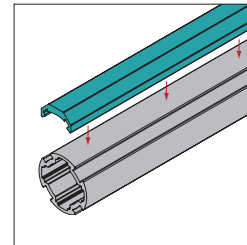
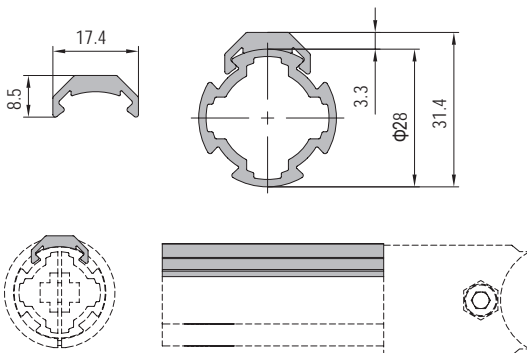


Descripción	Masa (g)	Part No.
Cap	2.6	TFS.D28.4.01

Listón de Apoyo o Deslizamiento Slide Strip

Material y Color: PVC, Gris.

El listón de Apoyo se coloca sobre el perfil tubular D28 para crear el mismo plano horizontal de la pieza de unión.

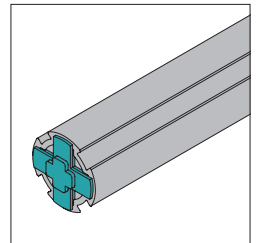
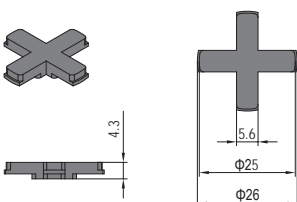


Descripción	Longitud	Masa (g/m)	Part No.
Slide Strip	2000mm/bar	83	TFS.D28.4.02

Pieza Anti-Torsión Anti-Torsion Block

Material: PA6

El uso de esta pieza asegura que el perfil tubular quede correctamente alineado con el conector, y así evitar errores en el ensamble.



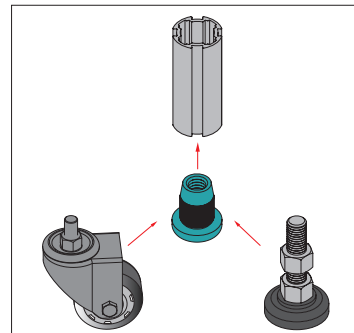
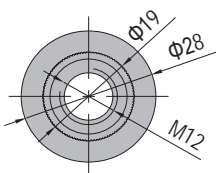
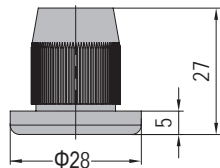
Descripción	Masa (g)	Part No.
Anti-Torsion Block	1	TFS.D28.4.03

Componentes de apoyo
Floor Elements

Inserto Roscado
Threaded Insert

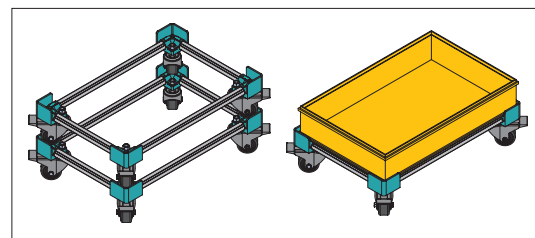
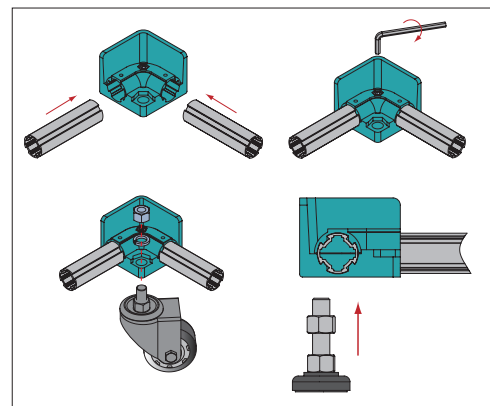
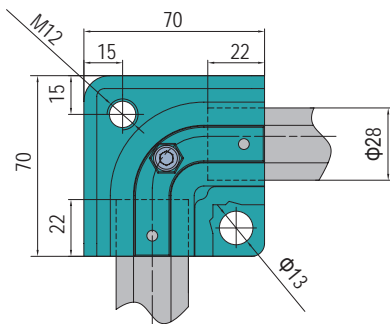
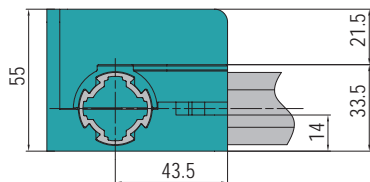
Material: Acero Zincado

El inserto roscado se usa para fijar el perfil tubular al piso o para colocar ruedas.



Descripción	Masa (g)	Part No.
Threaded Insert	47.6	TFS.D28.5.01.01

Pieza Anti Torsión en L
L Anti - Torsion Block



DA	Fastening Set
	M6x25 Bolt zinc plated
	M6 Spring Washer zinc plated
	M6 Hexagon Nut zinc plated

Descripción	Material	Fastening Set	Masa (g)	Part No.
L Anti-Torsion Block	Diecast Zinc	1XDA	664	TFS.D28.5.02.01A
	Diecast Aluminum	1XDA	266	TFS.D28.5.02.01B

⚠ Cuando esta pieza es usada con ruedas, el tamaño de la misma debe ser de $\Phi 63\text{mm}$.

Componentes de apoyo Floor Elements

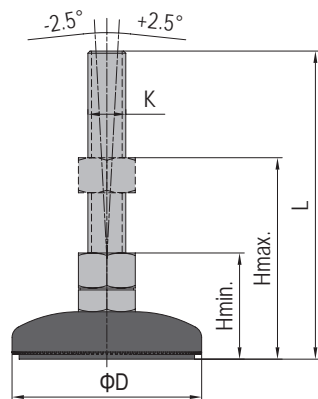
Pata niveladora - Pata tipo pivot Leveling Foot - Pivot Foot

La Pata tipo Pivot permite apoyar la estructura en zonas que requieren un ajuste de altura. El pequeño ángulo de rotación absorbe las irregularidades del suelo.

La conexión entre la base del pivot y el perno se puede desarmar mediante el uso de una herramienta.

Material y Color: Base-negro PA6 Perno-Acero Zincado Plancha de apoyo- Goma color Negro

Pata tipo pivot Pivot Foot



Descripción	D (mm)	KxL (mm)	H min. (mm)	H max. (mm)	Carga Estática Máx. (N)	Masa (g)	Part No.
Pivot Foot-PA 6 Base	59	M12x90	45	70	10000	152	5.21.60.12.90
	79	M12x90	45	70	10000	188	5.21.80.12.90
	79	M12x130	45	100	10000	218	5.21.80.12.130
	99	M12x130	45	100	10000	326	5.21.100.12.130

Por más información[Modular Assembly System](#)

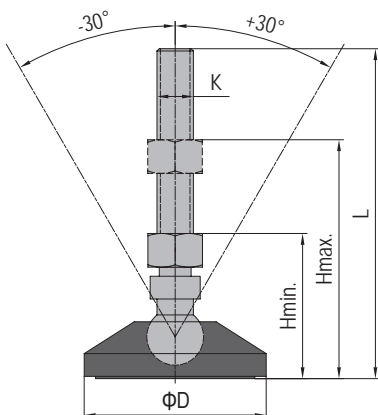


Pata niveladora - Pata giratoria Leveling Foot-Swivel Foot

Permite apoyar la estructura en zonas que requieren un ajuste de altura. La pata giratoria tiene una rótula entre la base y el perno, permitiendo así que la pata gire a un ángulo de hasta 30 grados. Usado para instalaciones que necesitan ser movidas regularmente o superficies de apoyo irregulares.

Material y Color: Base-negro PA6 Perno-Acero Zincado Plancha de apoyo- Goma color Negro

Pata giratoria Swivel Foot



Descripción	D (mm)	KxL (mm)	H min. (mm)	H max. (mm)	Carga Estática Máx. (N)	Masa (g)	Part No.
Swivel Foot-PA 6 Base	59	M12x90	45	70	10000	162	5.22.60.12.90
	79	M12x90	45	70	10000	198	5.22.80.12.90
	79	M12x130	45	100	10000	228	5.22.80.12.130
	99	M12x130	45	100	10000	336	5.22.100.12.130

Por más información[Modular Assembly System](#)

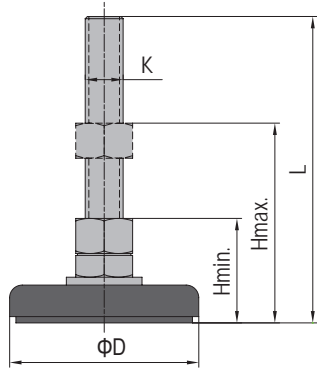


Componentes de apoyo Floor Elements

Pata Niveladora - Pata fija Leveling Foot-Fixed Foot

La Pata Fija tiene una unión sin movilidad entre la base y el perno.
Material y Color: Platina Base de acero - Negro - Electrofóresis Perno-Acero Zincado Plancha de apoyo- Goma color Negro

Pata fija Fixed Foot



Descripción	D (mm)	KxL (mm)	H min. (mm)	H max. (mm)	Carga Estática Máx. (N)	Masa (g)	Part No.
Fixed Foot-Steel Base	40	M12x70	35	50	8000	124	5.23.40.12.70
	60	M12x70	35	50	8000	181	5.23.60.12.70
	80	M12x70	35	50	8000	220	5.23.80.12.70
	80	M12x110	35	80	8000	240	5.23.80.12.110

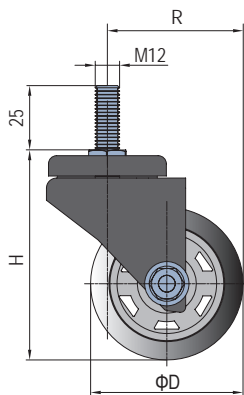
Por más informaciónModular Assembly System



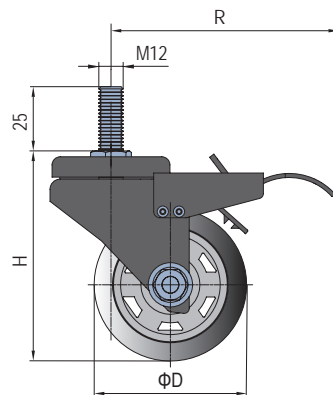
Rueda Castor

Material y Color: Base - Acero, Pintura electroestática. Rueda de poliuretano negro.
La rueda con rosca se conecta al perfil tubular mediante un inserto roscado.

Rueda con rosca Castor-Thread-Universal



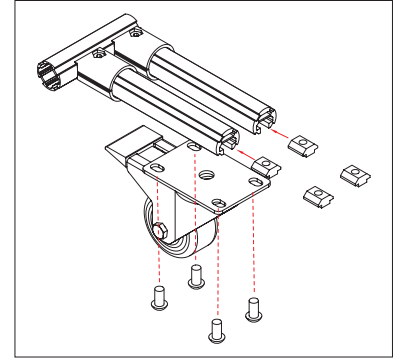
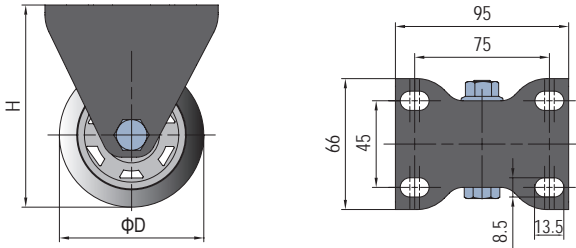
Rueda con rosca con Freno Castor-Thread-Brake



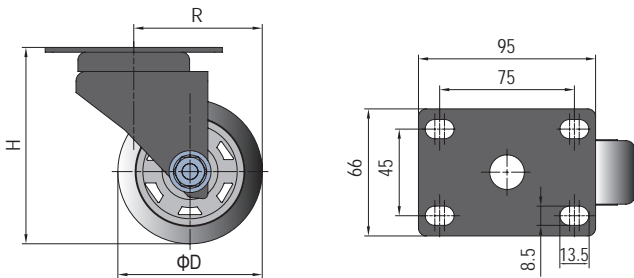
Descripción	D (mm)	R (mm)	H (mm)	Carga (N)	Masa (g)	Part No.
Castor-Thread-Universal	63	63	92	800	550	5.41.63.M12
	75	73	107	1050	670	5.41.75.M12
Castor-Thread-Brake	63	103	92	800	650	5.41.63.M12B
	75	103	107	1050	770	5.41.75.M12B

Componentes de apoyo Floor Elements

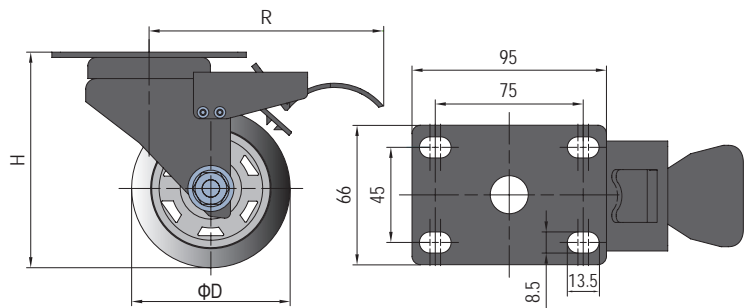
Rueda Fija / Castor-Plate-Fixed



Rueda Giratoria / Castor-Plate-Universal

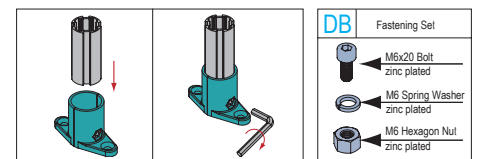
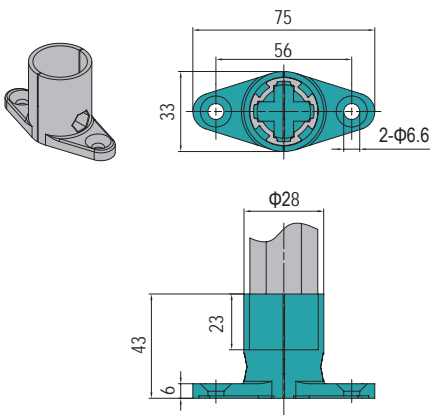


Rueda Giratoria con Freno / Castor-Plate-Brake



Descripción	D (mm)	R (mm)	H (mm)	Carga (N)	Masa (g)	Part No.
Castor-Plate-Fixed	63		92	800	370	5.41.63F
	75		107	1050	490	5.41.75F
Castor-Plate-Universal	63	63	92	800	570	5.41.63U
	75	73	107	1050	690	5.41.75U
Castor-Plate-Brake	63	103	92	800	670	5.41.63B
	75	103	107	1050	790	5.41.75B

Base D28 tipo T T Base D28

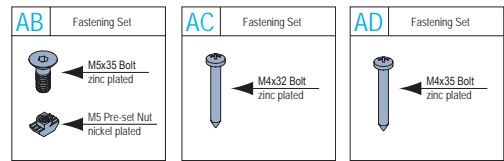
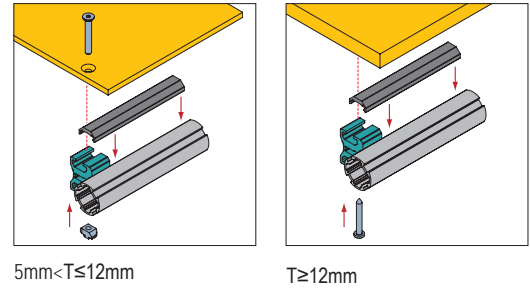
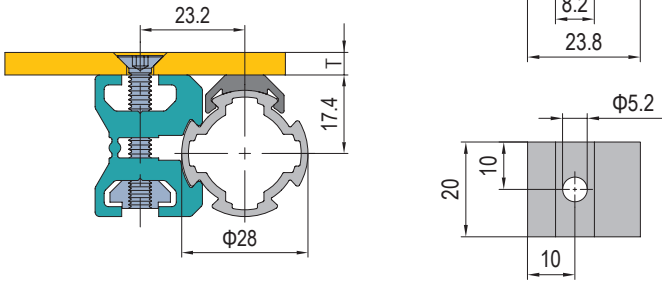


Descripción	Material	Fastening Set	Anti-Torsion Block	Masa (g)	Part No.
T Base D28	Diecast Zinc	1XDB	1X	161	TFS.D28.5.03.01A
	Diecast Aluminum	1XDB	1X	72	TFS.D28.5.03.01B

Accesorios del panel
Panel Accessories

Material: Aleación de aluminio, anodizado.

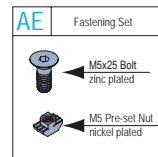
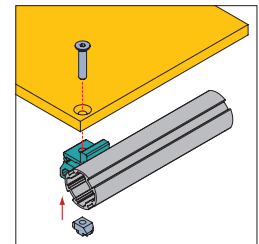
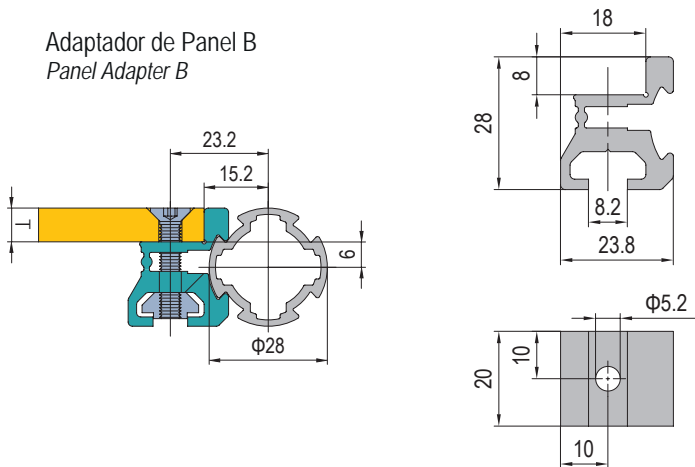
Adaptador de Panel A
Panel Adapter A



Descripción	Espesor	Material	Fastening Set	Masa (g)	Part No.
Panel Adapter A	5mm < T ≤ 12mm	metal, wood, or glass	1XAB	20	TFS..D28.6.01.01
	T=12mm	wood panel	1XAC	20	TFS.D28.6.01.02
	T > 12mm		1XAD	20	TFS.D28.6.01.03

El listón de Apoyo se ordena por separado, ver Página 13.

Adaptador de Panel B
Panel Adapter B



Descripción	Espesor	Fastening Set	Masa (g)	Part No.
Panel Adapter B	T=8mm	1XAE	14	TFS.D28.6.02

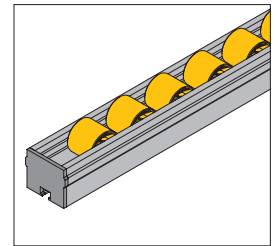
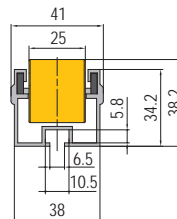
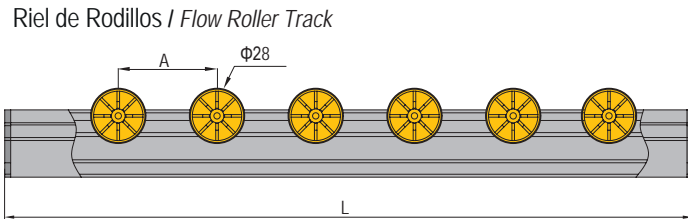
Accesorios Adicionales Additional Accessories

Riel de Rodillos Flow Roller Track

Material y Color: Ruedas de rodillo-ABS YW(Yellow / Amarillo) GY (Grey / Gris) BK (Black / Negro) Estructura del Riel de rodillos: Aleación de Aluminio.

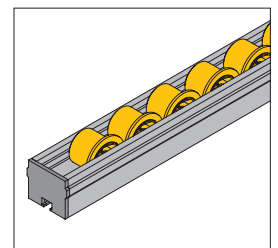
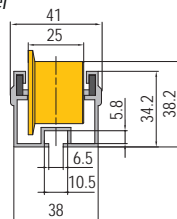
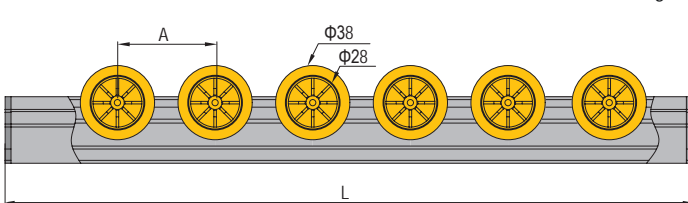
Los Rieles de rodillos con ejes de acero pueden ser utilizados como transportadores de rodillos de fácil funcionamiento , barandas o equipos de guía pensados para uso prolongado a bajo costo. Los rodillos están hechos de material termoplástico de PVC de alta calidad que tiene ventajas de bajo coeficiente de fricción , larga vida útil , resistencia a los ácidos y a la humedad . Cuando la pieza supera la capacidad de carga , más pistas deben ser utilizadas para repartir la presión. El ángulo de inclinación en el montaje dependerá de la carga y la anchura del riel de rodillos.

Riel de Rodillos / Flow Roller Track



Descripción	A (mm)	Masa (kg)	Longitud	Loading Capacity (kg/m)	Roller Color	Part No.
Flow Roller Track	30	1.74	2000mm/bar	12.5		TFS.D28.8.01.0130.YW
	45	1.7				TFS.D28.8.01.0145.YW
	60	1.61				TFS.D28.8.01.0160.YW
	30	1.74				TFS.D28.8.01.0130.GY
	45	1.7				TFS.D28.8.01.0145.GY
	60	1.61				TFS.D28.8.01.0160.GY
	30	1.74				TFS.D28.8.01.0130.BK
	45	1.7				TFS.D28.8.01.0145.BK
	60	1.61				TFS.D28.8.01.0160.BK

Riel de Rodillos de Ruedas con Pestaña / Flow Roller Track With Flanged Wheel



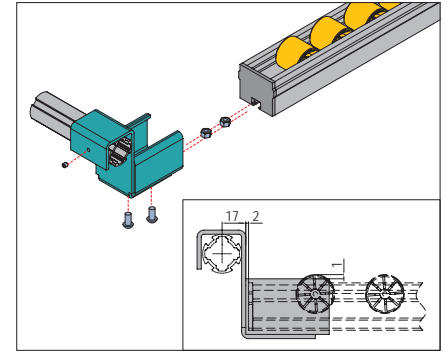
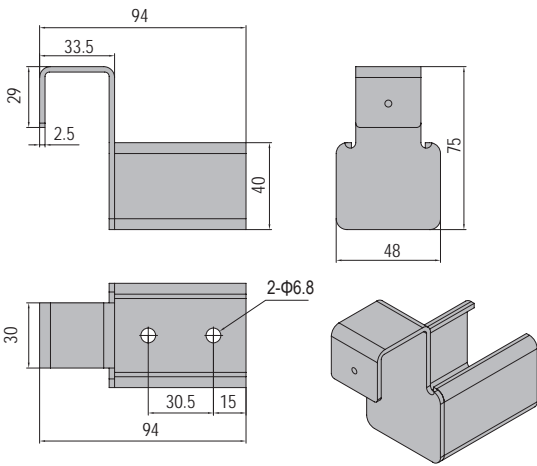
Descripción	A (mm)	Masa (kg)	Longitud	Loading Capacity (kg/m)	Roller Color	Part No.
Flow Roller Track With Flanged Wheel	45	1.74	2000mm/bar	12.5		TFS.D28.8.01.0245.YW
	60	1.64				TFS.D28.8.01.0260.YW
	75	1.57				TFS.D28.8.01.0275.YW
	45	1.74				TFS.D28.8.01.0245.GY
	60	1.64				TFS.D28.8.01.0260.GY
	75	1.57				TFS.D28.8.01.0270.GY
	45	1.74				TFS.D28.8.01.0245.BK
	60	1.64				TFS.D28.8.01.0260.BK
	75	1.57				TFS.D28.8.01.0270.BK

Accesorios Adicionales
Additional Accessories

Soporte de Riel
Rail Holder

El soporte de riel se sujeta al perfil tubular.
Material : Acero zincado.

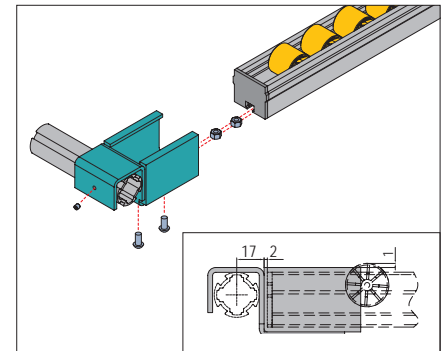
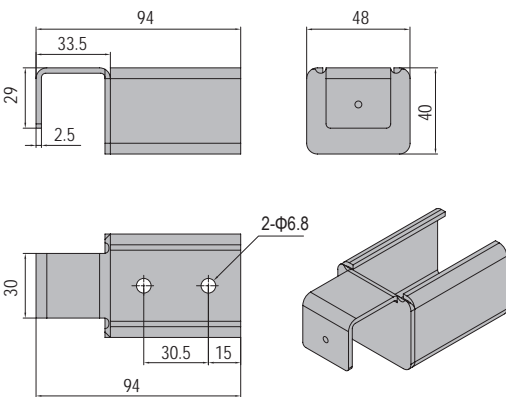
Soporte de Riel Alto
High Rail Holder



AH	Fastening Set	AI	Fastening Set
	M6x12 Bolt zinc plated		M4 Set Screw stainless steel
	M6 standard Nut zinc plated		

Descripción	Fastening Set	Masa (g)	Part No.
High Rail Holder	2XAH+1XAI	351	TFS.D28.8.02.01

Soporte de Riel Plano
Flat Rail Holder



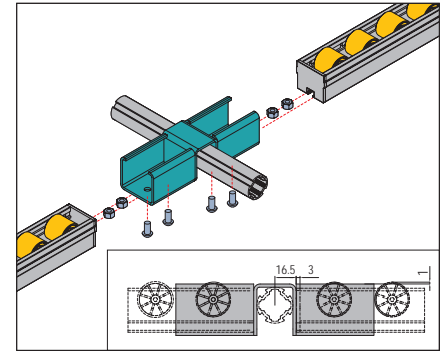
AH	Fastening Set	AI	Fastening Set
	M6x12 Bolt zinc plated		M4 Set Screw stainless steel
	M6 standard Nut zinc plated		

Descripción	Fastening Set	Masa (g)	Part No.
Flat Rail Holder	2XAH+1XAI	342.5	TFS.D28.8.02.02

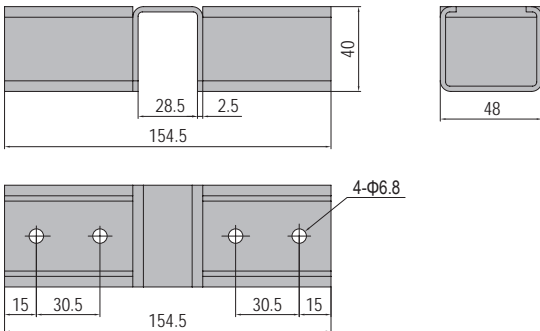
Accesorios Adicionales
Additional Accessories

Rail Holder
Rail Holder

Rail Holder Hang on profile tubes.
Material : Acero zincado



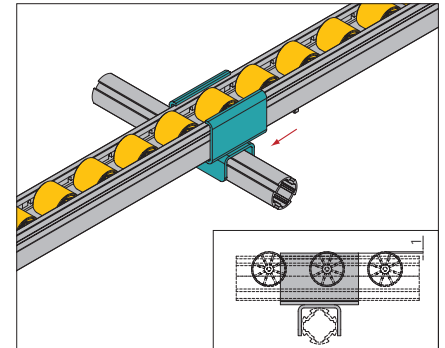
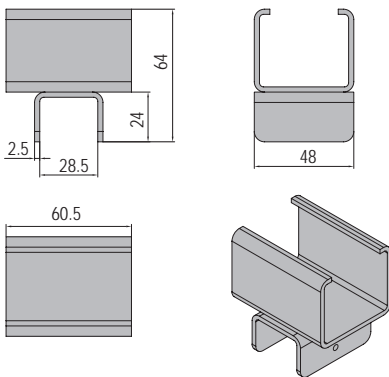
Soporte de Riel Plano Bilateral / Bilateral Flat Rail Holder



Descripción	Fastening Set	Masa (g)	Part No.
Bilateral Flat Rail Holder	4XAH	355	TFS.D28.8.02.03

Fastening Set
M6x12 Bolt zinc plated
M6 standard Nut zinc plated

Soporte de Riel Transversal / Cross Rail Holder



Descripción	Fastening Set	Masa (g)	Part No.
Cross Rail Holder	1xAI	166	TFS.D28.8.02.04

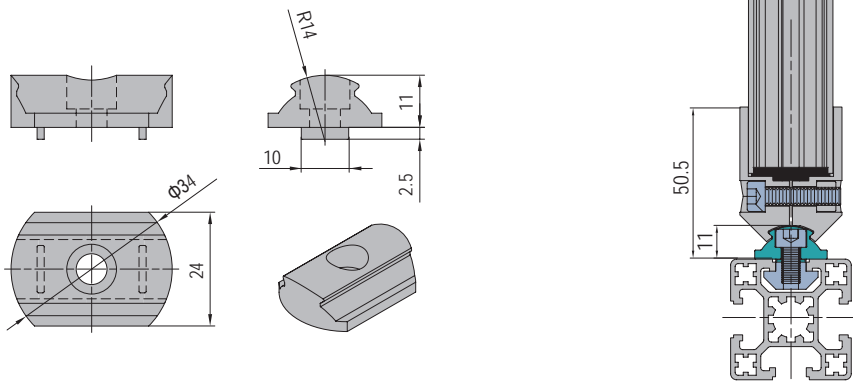
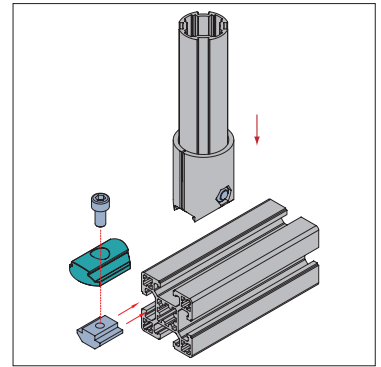
Fastening Set
M4 Set Screw stainless steel

Accesorios Adicionales
Additional Accessories

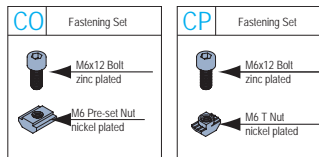
Adaptador de Perfil
Profile Adapter

Material: Fundición de Aluminio

El Adaptador de Perfil se usa con el conector D28 para unir el Perfil Tubular con el Perfil de Aluminio.



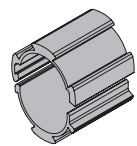
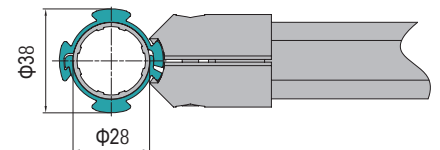
Descripción	Fastening Set	Masa (g)	Part No.
Profile Adapter	1XCO	36	TFS.D28.8.03.01
	1XCP	36	TFS.D28.8.03.02



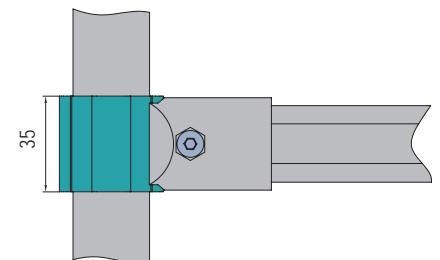
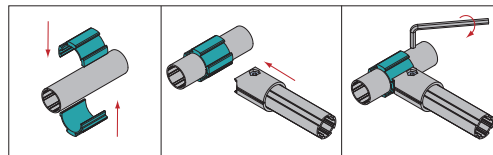
Adaptador a Perfil Tubular
Tube Adapter

Material: Aluminio Fundido.

El Adaptador de Perfil Tubular se fija mediante un Conector D28 para unir tubos al perfil tubular.



Descripción	Masa (g)	Part No.
Tube Adapter	28.3	TFS.D28.8.03.03

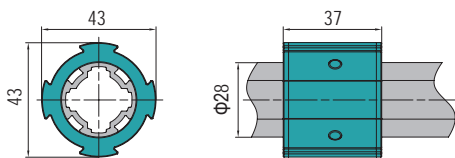
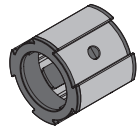
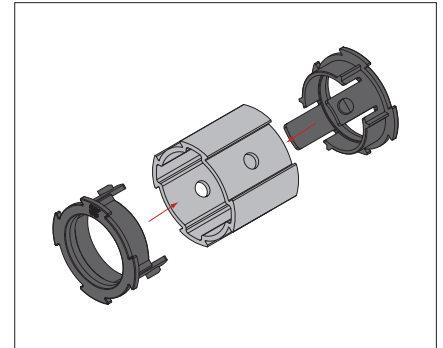


Accesorios Adicionales
Additional Accessories

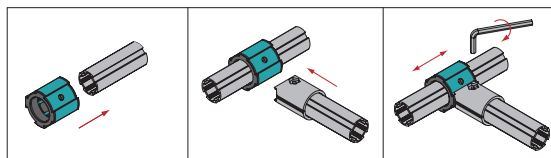
Adaptador Deslizante D28
Slide Adapter D28

Material: Aluminio Fundido

El Adaptador Deslizante D28 se usa con un Conector D28 para una unión transversal entre dos perfiles tubulares, permitiendo la movilidad a lo largo del perfil.



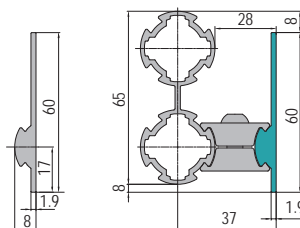
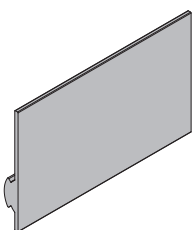
Descripción	Masa (g)	Part No.
Slide Adapter D28	31.5	TFS.D28.8.04



Perfil de Suspensión
Suspension Profile

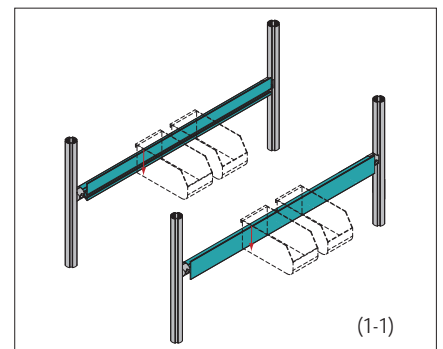
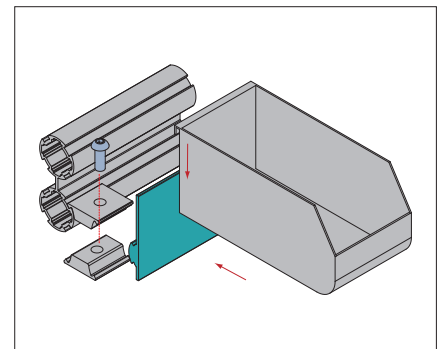
Material: Aluminio Extruido

El Perfil de Suspensión se usa para colgar cajas de materiales, sujetándolo al Perfil Tubular D28 con un Conector Paralelo A.



Descripción	Masa (kg/m)	Longitud L (mm)	Part No.
Suspension Profile	0.51	0-5800	TFS.D28.8.05

Nota: El largo puede ser personalizado de acuerdo a los requerimientos del cliente (Lmax. =5800mm).



⚠ Las cajas de materiales se pueden sujetar directamente al Perfil Tubular D28 usando el Perfil SW D28 o el Perfil DW D28, ver Fig (1-1).



Sistema de Ensamble Modular
Modular Assembly System

MAS



Sistema de Transportadores Modulares
Modular Conveyor System

MCS



Sistema de Plataformas y Escaleras
Stair and Platform System

SPS



Sistema de Cerramientos de Seguridad
Machine Guard System

MGS



Sistema de Estructuras Tubulares
Tubular Framing System

TFS



Alutipo SRL

Web: www.alutipo.com

Email: info@alutipo.com

Tubular Framing System