

# Machine Guard System



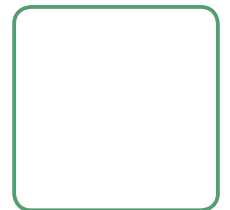
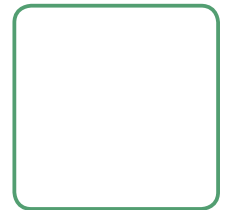
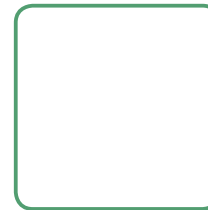
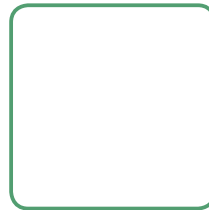
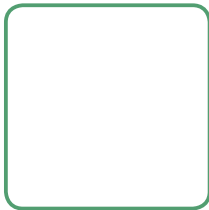
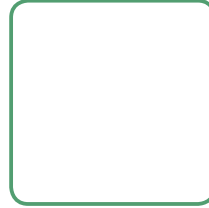
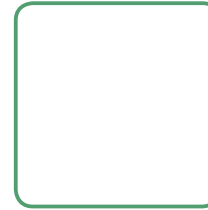
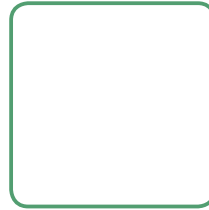
Sistema de de Cerramientos de Seguridad  
*Machine Guard System*



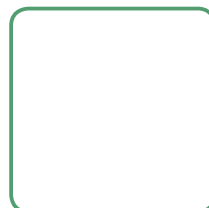
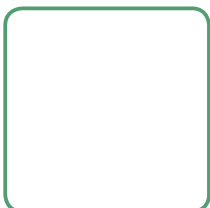
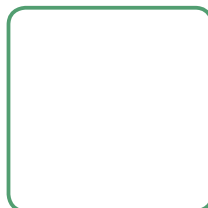
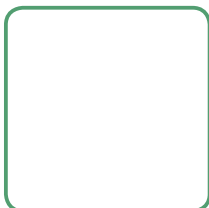
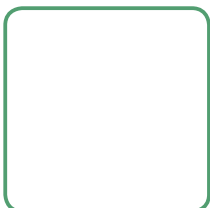
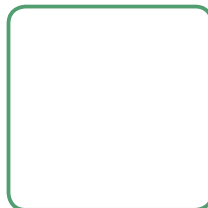
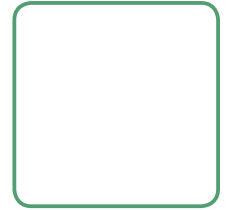


Sistema de Cerramientos de Seguridad

*Machine Guard System*



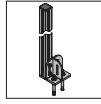
# Sistema de Cerramientos de Seguridad



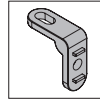
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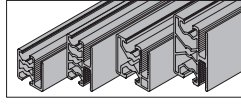
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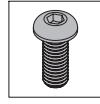
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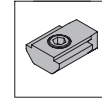
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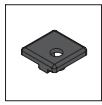
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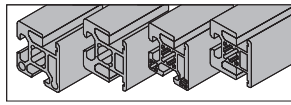
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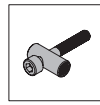
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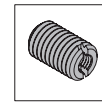
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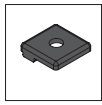
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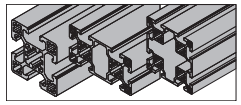
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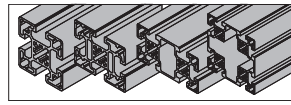
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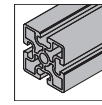
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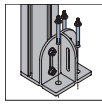
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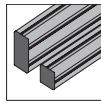
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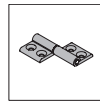
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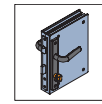
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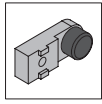
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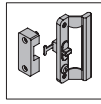
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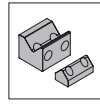
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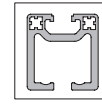
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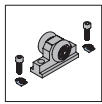
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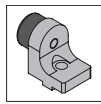
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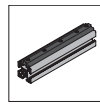
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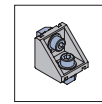
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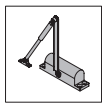
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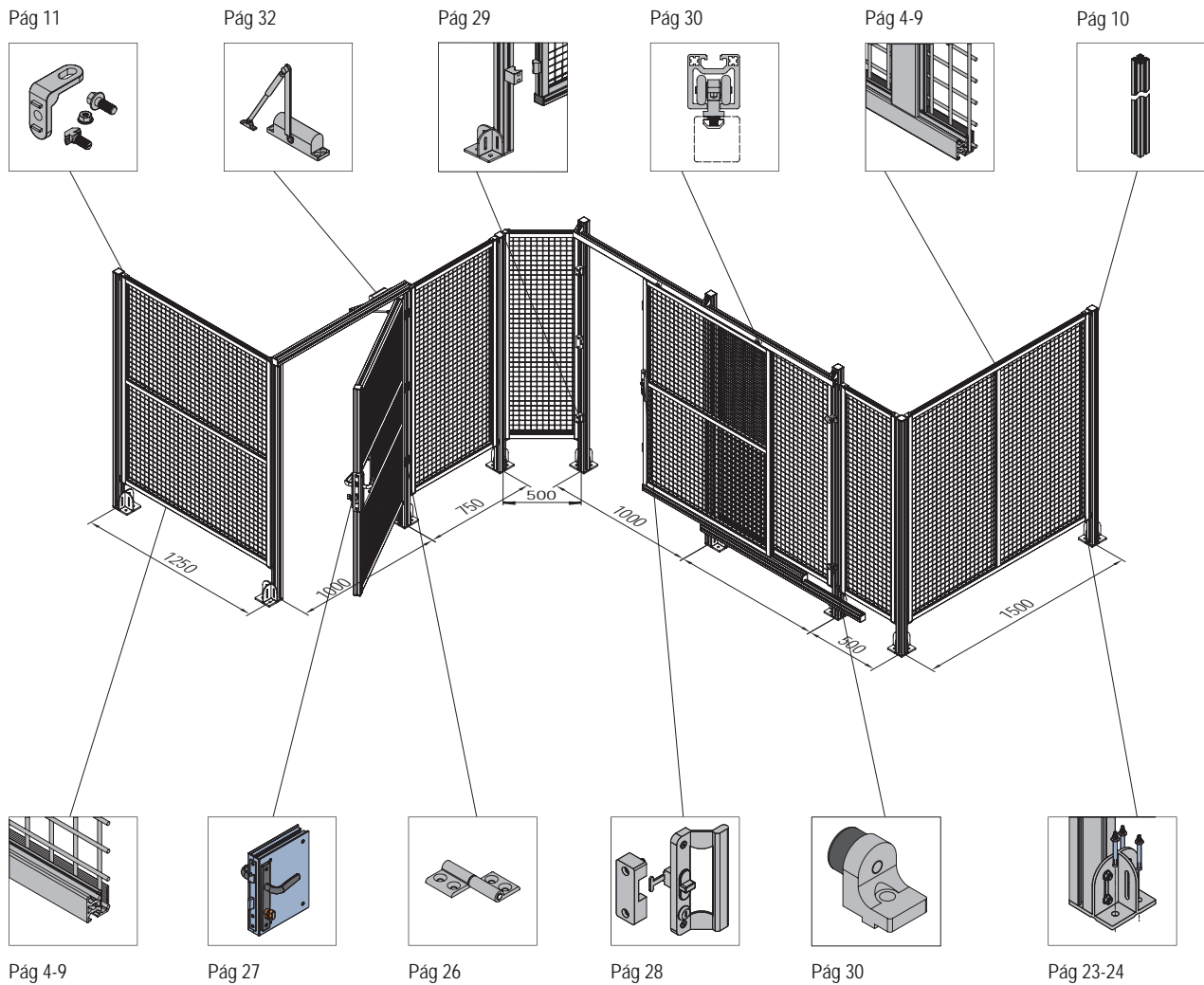
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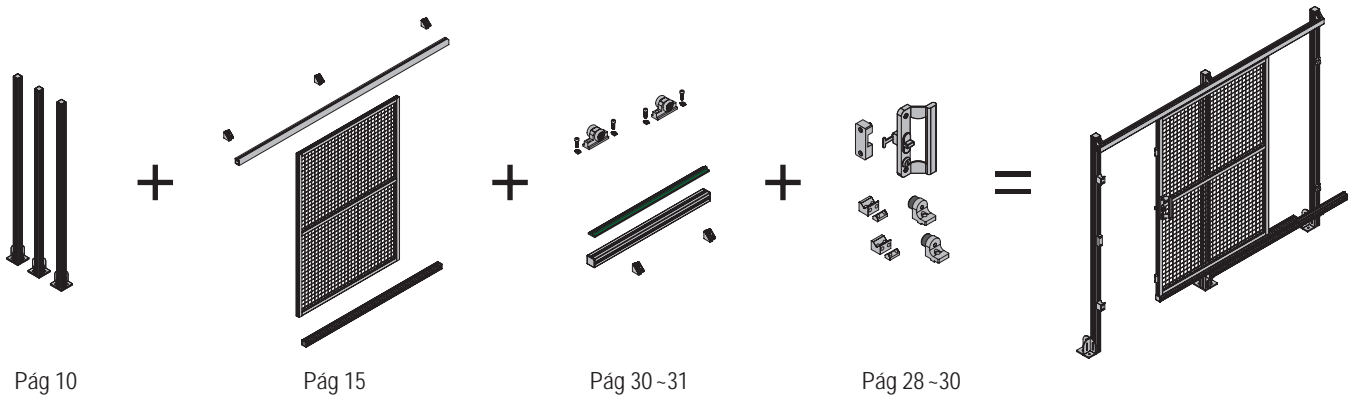
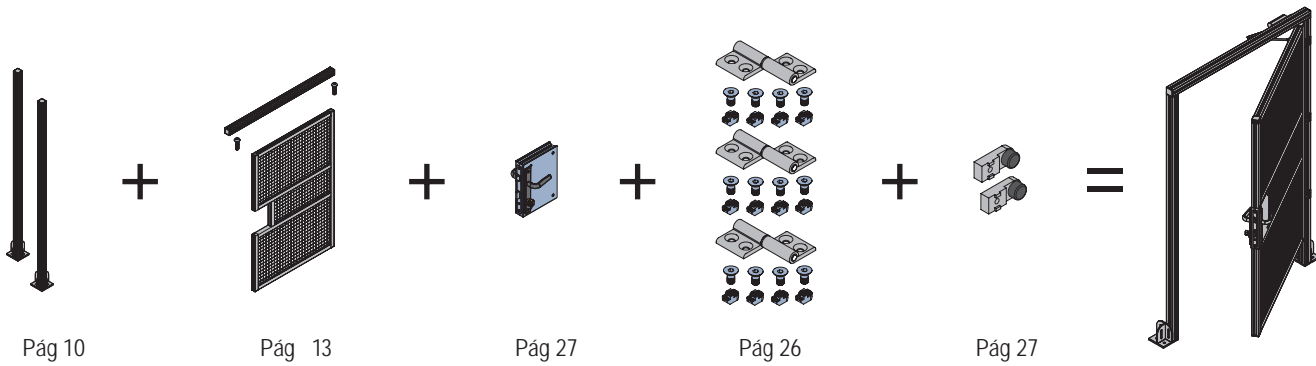
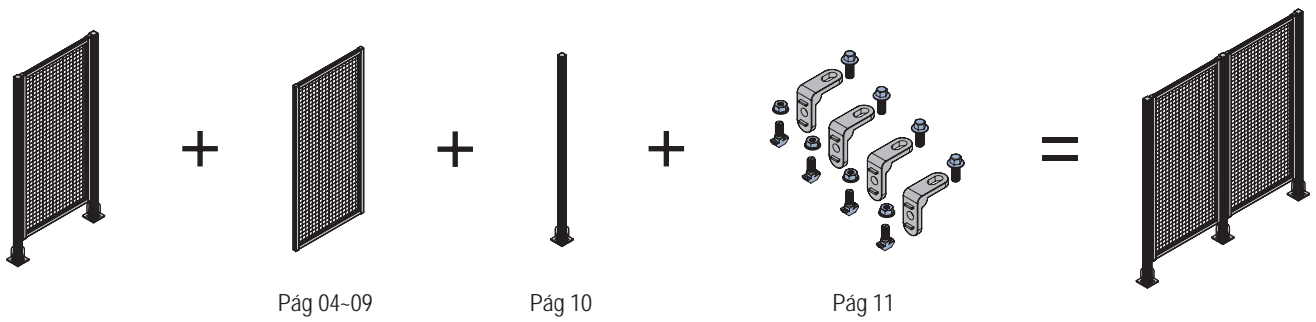
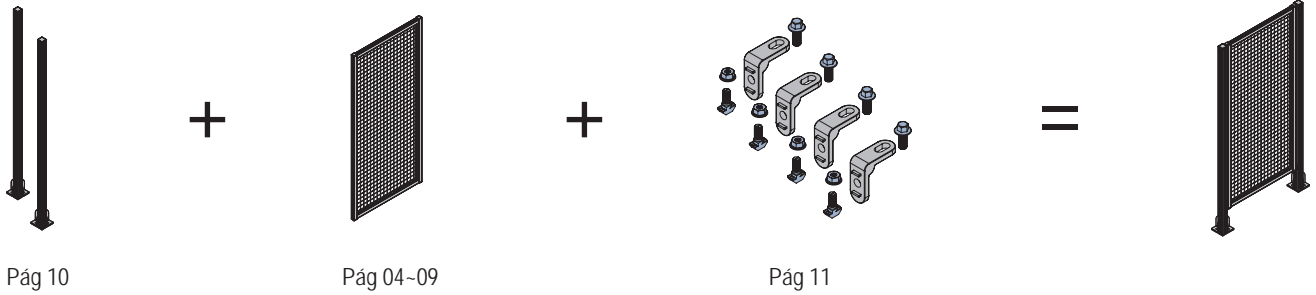
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Cerramientos de Seguridad  
Protective Barriers

El Sistema de Cerramientos de Seguridad es un sistema independiente que ha sido diseñado para cubrir la diversa demanda de los clientes. El acabado del producto le da una excelente terminación al sistema completo. La capacidad de adaptación del tipo de fijación aumenta la flexibilidad de la solución, permitiendo la instalación de rejillas, paneles PMMA, y otros tipos de paneles. Por más detalles ver sección de perfiles.



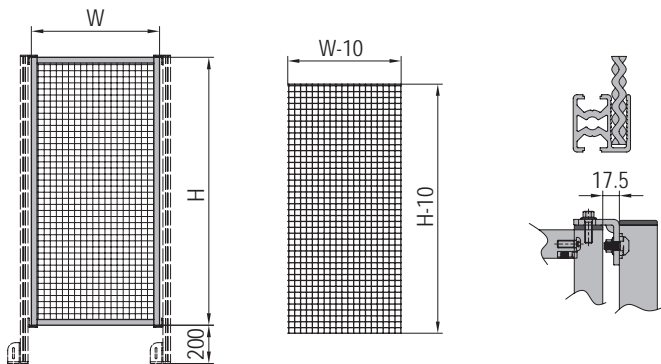
Estructura del Cerramiento de Seguridad  
*Framework of the protective barriers*



Estructura estándar  
*Structure selection Standard*

PG30 Tipo A: Rejilla 40x40 Ø4 Diámetro

Rango de Aplicación:  $1000 \leq H \leq 2000$   $500 \leq W \leq 1000$



Descripción	H (mm)	W (mm)	Part No.
Standard Unit 30-A1	1400	425	PN30.14000425.01.STA
Standard Unit 30-A1	1400	425	PN30.14000425.02.STA
Standard Unit 30-A2	1400	675	PN30.14000675.01.STA
Standard Unit 30-A2	1400	675	PN30.14000675.02.STA
Standard Unit 30-A3	1400	925	PN30.14000925.01.STA
Standard Unit 30-A3	1400	925	PN30.14000925.02.STA
Standard Unit 30-A4	1800	425	PN30.18000425.01.STA
Standard Unit 30-A4	1800	425	PN30.18000425.02.STA
Standard Unit 30-A5	1800	675	PN30.18000675.01.STA
Standard Unit 30-A5	1800	675	PN30.18000675.02.STA
Standard Unit 30-A6	1800	925	PN30.18000925.01.STA
Standard Unit 30-A6	1800	925	PN30.18000925.02.STA

»Seleccionar el tipo A, B, C de acuerdo al valor de H y W si es tamaño de la unidad no es estándar.

»No incluye Perfil de Aluminio y sus respectivos componentes.

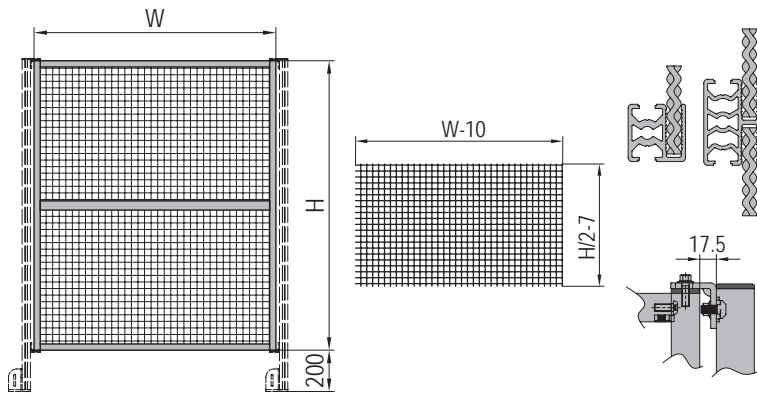
»Se recomienda usar el Perfil de 40x40. Referencia en Página 18

Estructura estándar

Structure selection Standard

PG30 Tipo B: Rejilla 40x40 Ø4 Diámetro

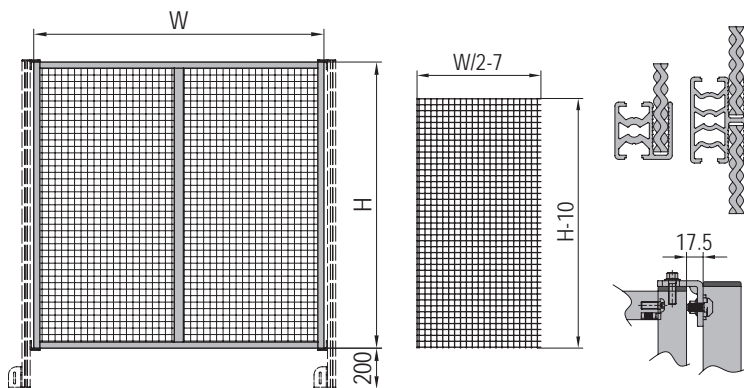
Rango de aplicación:  $1000 \leq H \leq 2000$   $1000 \leq W \leq 1250$



Descripción	H (mm)	W (mm)	Part No.
Standard Unit 30-B1	1400	1175	PN30.14001175.01.STB
Standard Unit 30-B1	1400	1175	PN30.14001175.02.STB
Standard Unit 30-B2	1800	1175	PN30.18001175.01.STB
Standard Unit 30-B2	1800	1175	PN30.18001175.02.STB

PG30 Tipo C: Rejilla 40x40 Ø4 Diámetro

Rango de aplicación:  $1000 \leq H \leq 2000$   $1250 \leq W \leq 1500$



Descripción	H (mm)	W (mm)	Part No.
Standard Unit 30-C1	1400	1425	PN30.14001425.01.STC
Standard Unit 30-C1	1400	1425	PN30.14001425.02.STC
Standard Unit 30-C2	1800	1425	PN30.18001425.01.STC
Standard Unit 30-C2	1800	1425	PN30.18001425.02.STC

※Seleccionar el tipo A, B, C de acuerdo al valor de H y W si es tamaño de la unidad no es estándar.

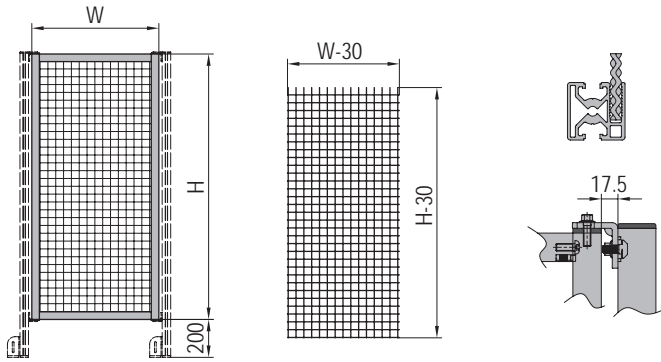
※No incluye Perfil de Aluminio y sus respectivos componentes.



## Estructura estándar

*Structure selection Standard*

PG40 Tipo A: Rejilla 40x40 Ø4 Diámetro

 Rango de Aplicación:  $1000 \leq H \leq 2000$   $500 \leq W \leq 1000$ 


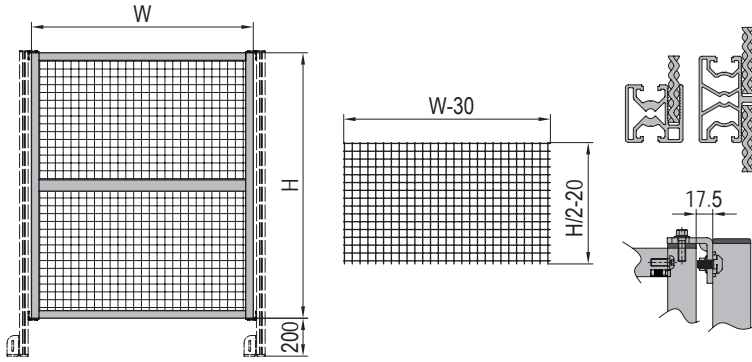
Descripción	H (mm)	W (mm)	Part No.
Standard Unit 40-A1	1400	420	PN40.14000420.01.STA
Standard Unit 40-A1	1400	420	PN40.14000420.02.STA
Standard Unit 40-A2	1400	670	PN40.14000670.01.STA
Standard Unit 40-A2	1400	670	PN40.14000670.02.STA
Standard Unit 40-A3	1400	920	PN40.14000920.01.STA
Standard Unit 40-A3	1400	920	PN40.14000920.02.STA
Standard Unit 40-A4	1800	420	PN40.18000420.01.STA
Standard Unit 40-A4	1800	420	PN40.18000420.02.STA
Standard Unit 40-A5	1800	670	PN40.18000670.01.STA
Standard Unit 40-A5	1800	670	PN40.18000670.02.STA
Standard Unit 40-A6	1800	920	PN40.18000920.01.STA
Standard Unit 40-A6	1800	920	PN40.18000920.02.STA

✳Seleccionar el tipo A, B, C de acuerdo al valor de H y W si es tamaño de la unidad no es estándar. El espesor del panel puede ser de 1,5 a 9mm.

✳No incluye Perfil de Aluminio y sus respectivos componentes.

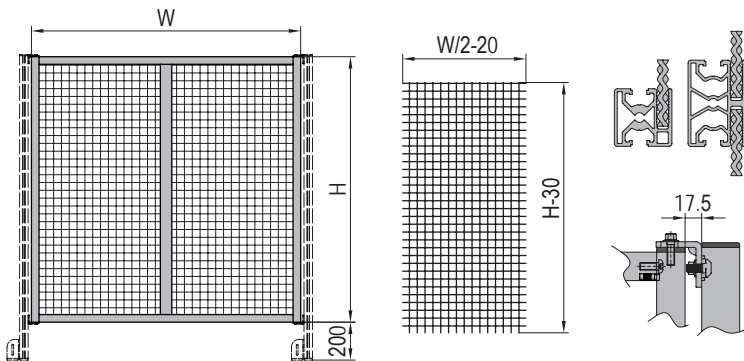
Estructura estándar  
Structure selection Standard

PG40 Tipo B: Rejilla 40x40 Ø4 Diámetro  
Rango de Aplicación:  $1000 \leq H \leq 2000$   $1000 \leq W \leq 1250$



Descripción	H (mm)	W (mm)	Part No.
Standard Unit 40-B1	1400	1170	PN40.14001170.01.STB
Standard Unit 40-B1	1400	1170	PN40.14001170.02.STB
Standard Unit 40-B2	1800	1170	PN40.18001170.01.STB
Standard Unit 40-B2	1800	1170	PN40.18001170.02.STB

PG40 Tipo C: Rejilla 40x40 Ø4 Diámetro  
Rango de Aplicación:  $1000 \leq H \leq 2000$   $1250 \leq W \leq 1500$



Descripción	H (mm)	W (mm)	Part No.
Standard Unit 40-C1	1400	1420	PN40.14001420.01.STC
Standard Unit 40-C1	1400	1420	PN40.14001420.02.STC
Standard Unit 40-C2	1800	1420	PN40.18001420.01.STC
Standard Unit 40-C2	1800	1420	PN40.18001420.02.STC

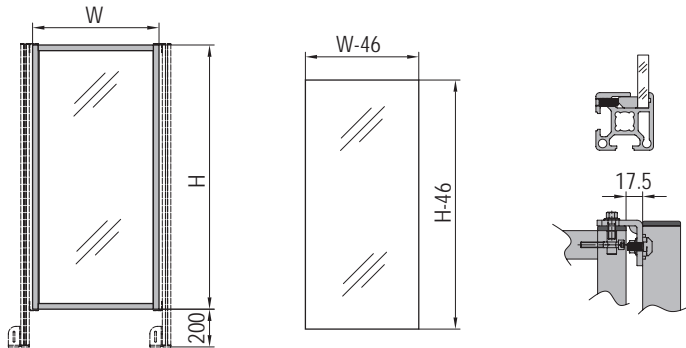
»Seleccionar el tipo A, B, C de acuerdo al valor de H y W si es tamaño de la unidad no es estándar.

»No incluye Perfil de Aluminio y sus respectivos componentes.

»Se recomienda usar el Perfil de 40x40. Referencia en Página 18

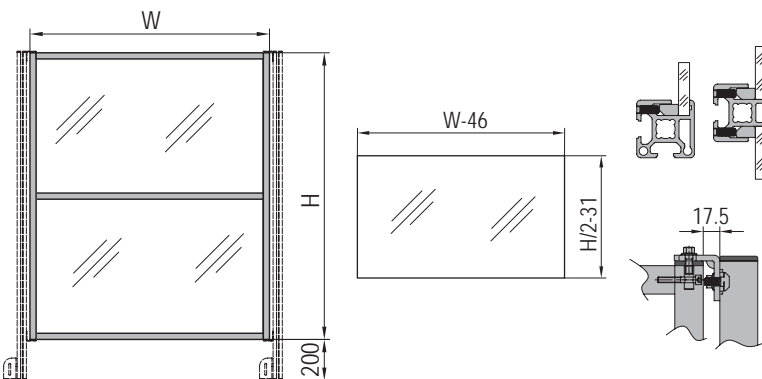
**Estructura estándar**
*Structure selection Standard*

PG30 Tipo A: 4mm Panel PMMA Transparente

 Rango de aplicación:  $1000 \leq H \leq 2000$   $500 \leq W \leq 1000$ 


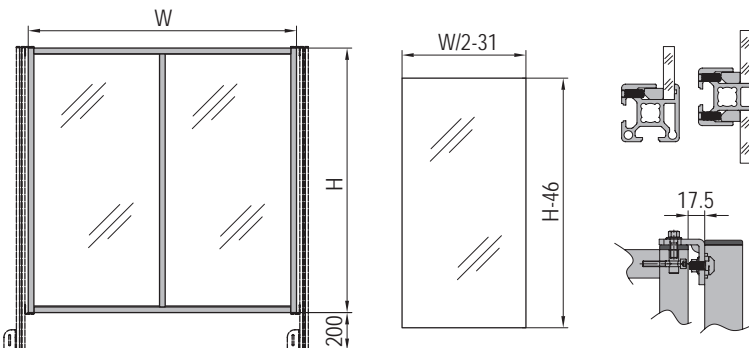
Descripción	H (mm)	W (mm)	Part No.
Standard Unit 30-A1	1400	425	PP30.14000425.STA.
Standard Unit 30-A2	1400	675	PP30.14000675.STA
Standard Unit 30-A3	1400	925	PP30.14000925.STA
Standard Unit 30-A4	1800	425	PP30.18000425.STA
Standard Unit 30-A5	1800	675	PP30.18000675.STA
Standard Unit 30-A6	1800	925	PP30.18000925.STA

PG30 Tipo B: 4mm Panel PMMA Transparente

 Rango de aplicación:  $1000 \leq H \leq 2000$   $1000 \leq W \leq 1250$ 


Descripción	H (mm)	W (mm)	Part No.
Standard Unit 30-B1	1400	1175	PP30.14001175.STB
Standard Unit 30-B2	1800	1175	PP30.18001175.STB

PG30 Tipo C: 4mm Panel PMMA Transparente

 Rango de aplicación:  $1000 \leq H \leq 2000$   $1250 \leq W \leq 1500$ 


Descripción	H (mm)	W (mm)	Part No.
Standard Unit 30-C1	1400	1425	PP30.14001425.STC
Standard Unit 30-C2	1800	1425	PP30.18001425.STC

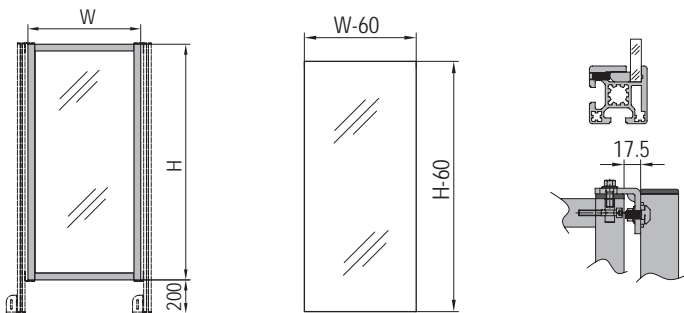
✖ Seleccionar el tipo A, B o C de acuerdo al valor de H y W si es tamaño de la unidad no es estándar. El espesor del panel puede ser de 1.5 a 9 mm.

✖ No incluye Perfil de Aluminio y sus respectivos componentes.

✖ Se recomienda usar el Perfil de 40x40.

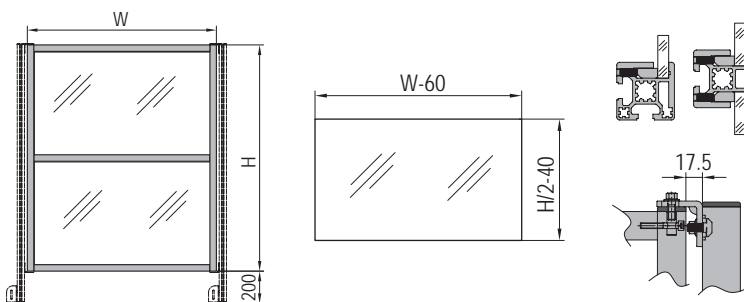
**Estructura estándar**
*Structure selection Standard*

PG40 Tipo A: 4mm Panel PMMA Transparente

 Rango de aplicación:  $1000 \leq H \leq 2000$   $500 \leq W \leq 1000$ .


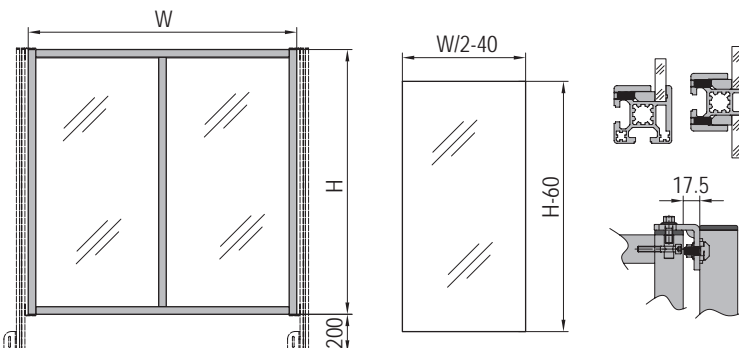
Descripción	H (mm)	W (mm)	Part No.
Standard Unit 40-A1	1400	420	PP40.14000420.STA
Standard Unit 40-A2	1400	670	PP40.14000670.STA
Standard Unit 40-A3	1400	920	PP40.14000920.STA
Standard Unit 40-A4	1800	420	PP40.18000420.STA
Standard Unit 40-A5	1800	670	PP40.18000670.STA
Standard Unit 40-A6	1800	920	PP40.18000920.STA

PG40 Tipo B: 4mm Panel PMMA Transparente

 Rango de aplicación:  $1000 \leq H \leq 2000$   $1000 \leq W \leq 1250$ 


Descripción	H (mm)	W (mm)	Part No.
Standard Unit 40-B1	1400	1170	PP40.14001170.STB
Standard Unit 40-B2	1800	1170	PP40.18001170.STB

PG40 Tipo C: 4mm Panel PMMA Transparente

 Rango de aplicación:  $1000 \leq H \leq 2000$   $1250 \leq W \leq 1500$ 


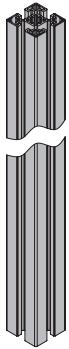
Descripción	H (mm)	W (mm)	Part No.
Standard Unit 40-C1	1400	1420	PP40.14001420.STC
Standard Unit 40-C2	1800	1420	PP40.18001420.STC

✖ Seleccionar el tipo A, B o C de acuerdo al valor de H y W si es tamaño de la unidad no es estándar. El espesor del panel puede ser de 1.5 a 9 mm.

✖ No incluye Perfil de Aluminio y sus respectivos componentes.

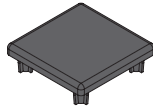
✖ Se recomienda usar el Perfil de 40x40.

Elementos Estructurales  
Strut Elements



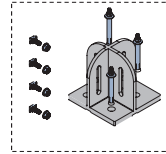
Pág 18-20

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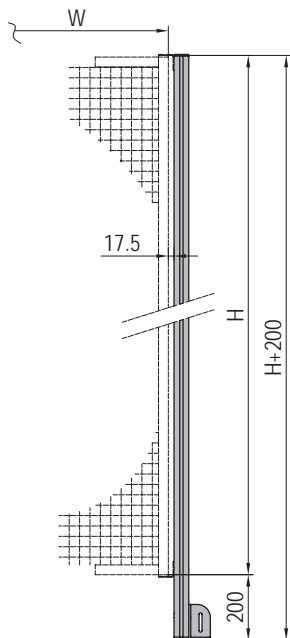
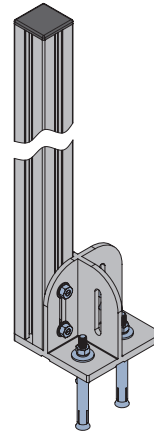
Pág 23

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Pág 21

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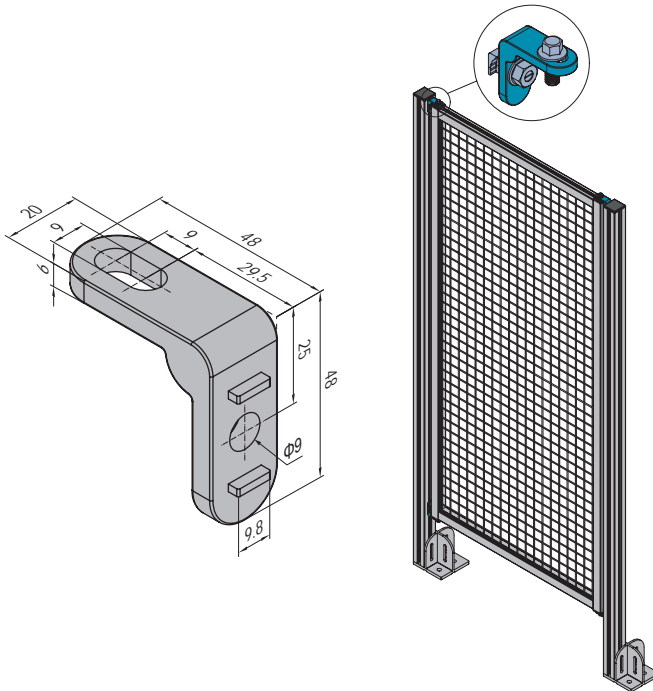
Descripción	Perfil	H (mm)	Part No.
Strut Element H1400	40x40L	1400	PBH1400.4040.ST
	40x80L		PBH1400.4080.ST
	80x80		PBH1400.8080.ST
	45x45L		PBH1400.4545.ST
	45x60		PBH1400.4560.ST
	45x90		PBH1400.4590.ST
	90x90		PBH1400.9090.ST
	60x60		PBH1400.6060.ST
Strut Element H1800	40x40L	1800	PBH1800.4040.ST
	40x80L		PBH1800.4080.ST
	80x80		PBH1800.8080.ST
	45x45L		PBH1800.4545.ST
	45x60		PBH1800.4560.ST
	45x90		PBH1800.4590.ST
	90x90		PBH1800.9090.ST
	60x60		PBH1800.6060.ST

Conectores

Connecting Elements

Para conectar la estructura al perfil.

Material: Fundición de Zinc



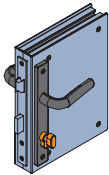
Descripción		Fastening Set	Masa (g)	Part No.
Net Group	Connecting Element for PG30	1×HA	96g	PNC.30.ST
	Connecting Element for PG40			PNC.40.ST
Panel Group	Connecting Element for PG30	1×HB	94g	PPC.30.ST
	Connecting Element for PG40			PPC.40.ST

HA	Fastening Set	HB	Fastening Set
	M8x25 Bolt zinc plated		M8x20 Bolt zinc plated
	M8 FlangeNut zinc plated		M8 FlangeNut M8 zinc plated
	M8x20 T Bolt nickel plated		M8x20 T Bolt nickel plated

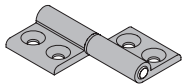
Componentes de Abertura  
*Swing Door Components*

La Puerta es una estructura específica. Se recomienda combinar la misma con las soluciones escogidas para los restantes cerramientos.

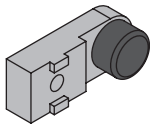
A: Cerradura para puertas  
A: *Lock for Swing Door*



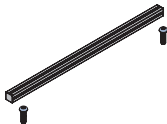
B: Bisagra para puertas  
B: *Hinge for Swing Door*



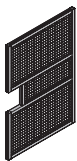
C: Tope para puertas  
C: *Buffer Block for Swing Door*



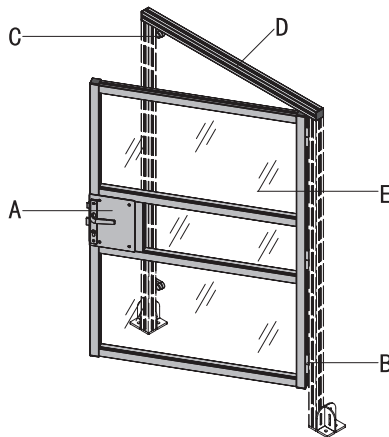
D: Componentes del Travesaño  
D: *Crossbeam Components*



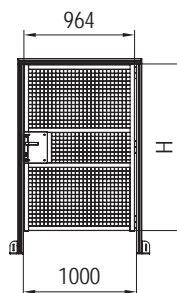
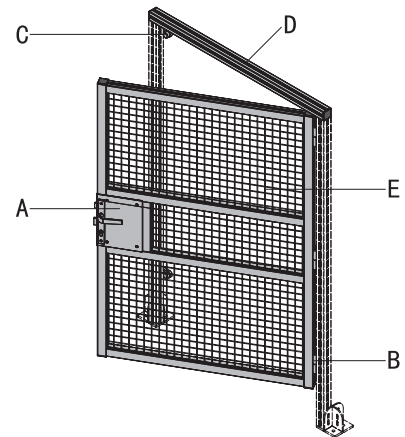
E: Rejilla para Puerta  
E: *Net Unit for Swing Door*



Conjunto para Panel  
*Panel Group*



Conjunto para Rejilla  
*Net Group*



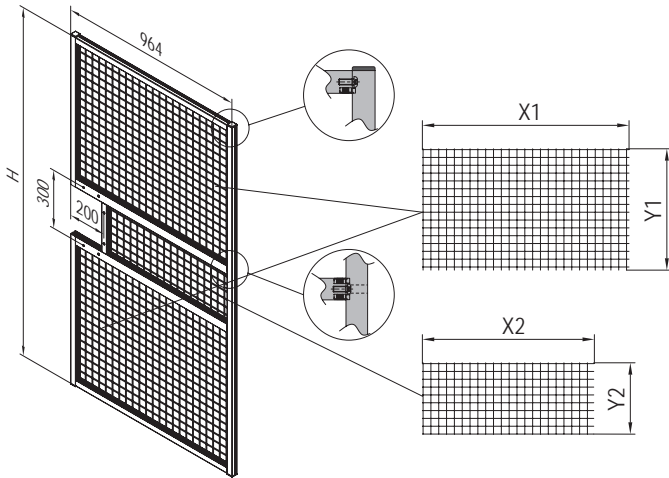
- ✘ No incluye Perfil de Aluminio y sus respectivos componentes.
- ✘ Para la sujeción de los laterales del Perfil de las puertas se deben utilizar tornillos M14X30
- ✘ La apertura estándar de la puerta es hacia la derecha, si se requiere apertura por el lado izquierdo se debe especificar
- ✘ El perfil correspondiente para PG30 es 40x40L
- ✘ El perfil correspondiente para PG40 es 45x45L
- ✘ Seleccionar Brazo hidráulico para puerta si se requiere de cierre automático

### Dimensiones de la Rejilla / Malla para Puertas

*The size of Net Unit for Swing Door*

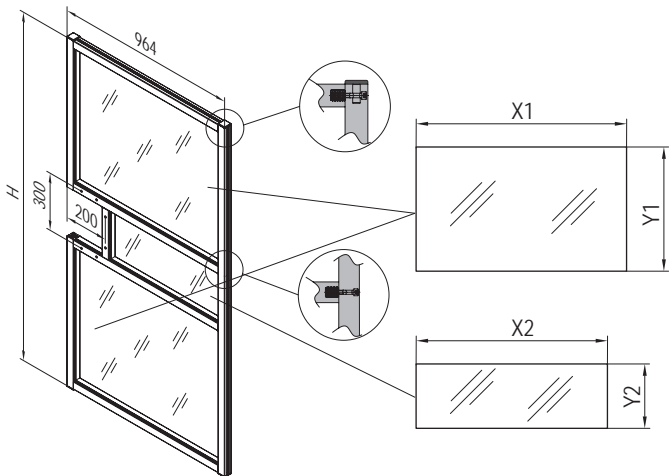
La apertura estándar de la puerta es hacia la derecha, si se requiere apertura por el lado izquierdo se debe especificar.  
*Standard Swing Door is right-open, if left-open door needed, please specify.*

Conjunto para Rejilla: 40x40 Diámetro Rejilla  
*Net Group: 40x40 mesh diameter*



Descripción		H (mm)	X1 (mm)	Y1 (mm)	X2 (mm)	Y2 (mm)	Part No.
Net Group	PG30	1400	954	543	769	295	PNDH.30.1400.ST
		1800	954	743			PNDH.30.1800.ST
	PG40	1400	934	530	754	290	PNDH.40.1400.ST
		1800	934	730			PNDH.40.1800.ST

Conjunto para Panel: 4mm Panel PMMA Transparente  
*Panel Group: 4mm Transparent PMMA Panel*



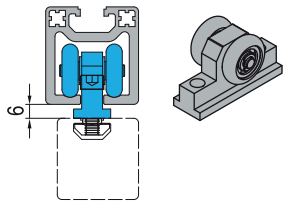
Descripción		H (mm)	X1 (mm)	Y1 (mm)	X2 (mm)	Y2 (mm)	Part No.
Panel Group	PG30	1400	918	519	733	284	PPDH.30.1400.ST
		1800	918	719			PPDH.30.1800.ST
	PG40	1400	904	510	724	280	PPDH.40.1400.ST
		1800	904	710			PPDH.40.1800.ST



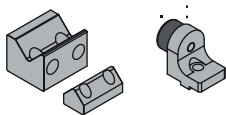
Componentes de Puerta corrediza  
Sliding Door Components

Las ruedas del carro son montadas en rodamientos de bolas, lo que permite un deslizamiento suave. La puerta corrediza ahorra espacio frente a las opciones batientes.

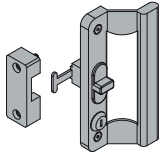
A.B: Perfil Guía-Riel / Carro  
A.B: Profile Rails / Carriage



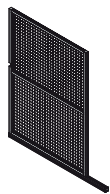
C.D: Posicionador / Tope  
C.D: Guide Block / Buffer Block



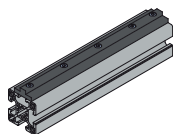
E: Cerradura para Puerta Corrediza  
E: Lock for Sliding door



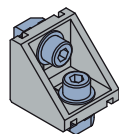
F: Rejilla para Puerta Corrediza  
F: Net Unit for Sliding Door



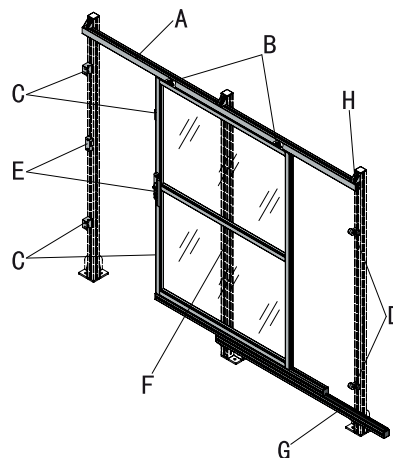
G: Guía de Fricción  
G: Friction Strip Components



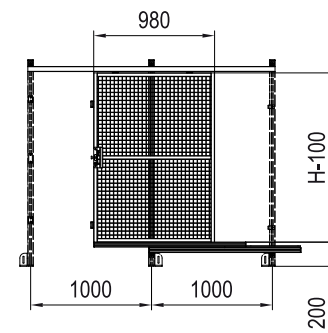
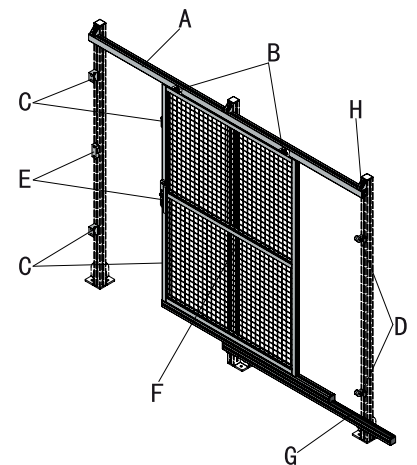
H: Escuadra  
H: Die Cast Bracket



Conjunto del Panel  
Panel Group



Conjunto de la Rejilla  
Net Group



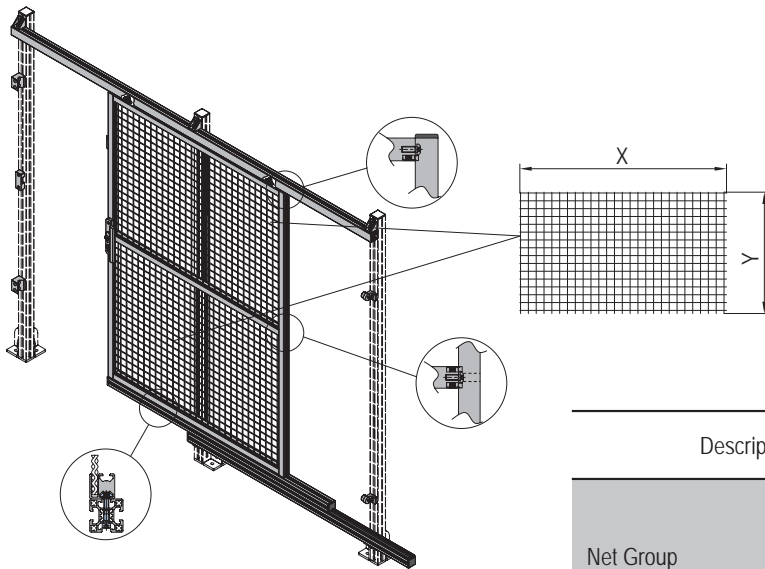
- ✘ La apertura estándar de la puerta es hacia la derecha, si se requiere apertura por el lado izquierdo se debe especificar
- ✘ El perfil correspondiente para PG30 es 40x40L
- ✘ El perfil correspondiente para PG40 es 45x45L

	Descripción	H (mm)	Part No.
Net Group	Sliding Door for PG30	1400	PNDS.30.1400.ST
	Sliding Door for PG30	1800	PNDS.30.1800.ST
	Sliding Door for PG40	1400	PNDS.40.1400.ST
	Sliding Door for PG40	1800	PNDS.40.1800.ST
Panel Group	Sliding Door for PG30	1400	PPDS.30.1400.ST
	Sliding Door for PG30	1800	PPDS.30.1800.ST
	Sliding Door for PG40	1400	PPDS.40.1400.ST
	Sliding Door for PG40	1800	PPDS.40.1800.ST

Dimensiones de la Rejilla / Malla para Puertas Corredizas  
*Sliding door unit net size*

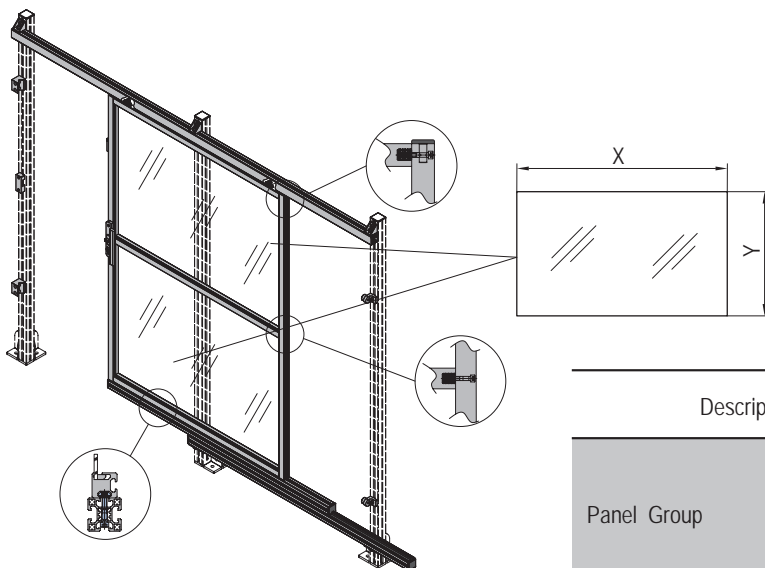
La apertura estándar de la puerta corrediza es hacia la derecha, si se requiere apertura para el lado izquierdo se debe especificar

Conjunto de la Rejilla: 40x40 Rejilla Ø4 Diámetro  
*Net Group*



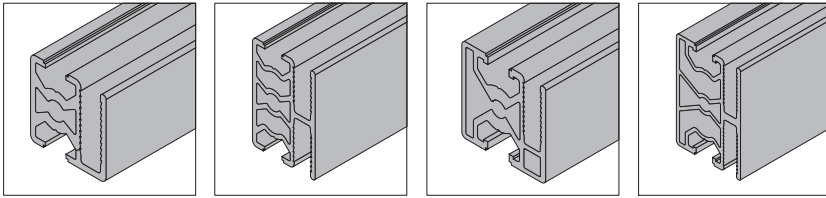
Descripción		H(mm)	X(mm)	Y(mm)	Part No.
Net Group	PG30	1400	970	643	PNDS.30.1400.ST
		1800	970	843	PNDS.30.1800.ST
	PG40	1400	950	630	PNDS.40.1400.ST
		1800	950	830	PNDS.40.1800.ST

Conjunto del Panel: 4mm Panel PMMA Transparente  
*Panel Group*

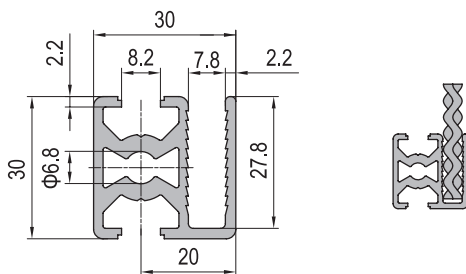


Descripción		H(mm)	X(mm)	Y(mm)	Part No.
Panel Group	PG30	1400	934	619	PPDS.30.1400.ST
		1800	934	819	PPDS.30.1800.ST
	PG40	1400	920	610	PPDS.40.1400.ST
		1800	920	810	PPDS.40.1800.ST

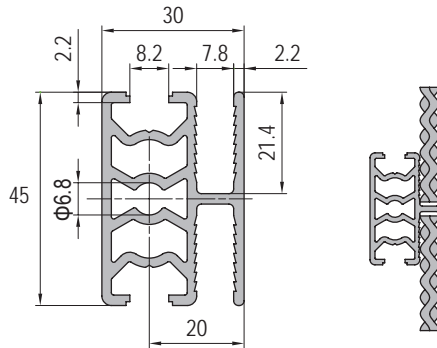
Perfil para Rejilla de Protección  
Protective Grille Profile



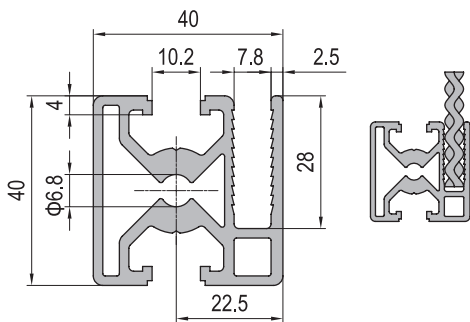
PG30 30x30 1 Ranura para Rejilla  
PG30 30x30 1 Grille slot



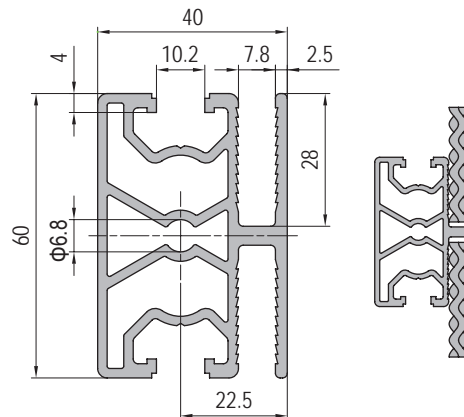
PG30 30x45 2 Ranuras para Rejilla  
PG30 30x45 2 Grille slots



PG40 40x40 1 Ranura para Rejilla  
PG40 40x40 1 Grille slot



PG40 40x60 2 Ranuras para Rejilla  
PG40 40x60 2 Grille slots



Descripción	Momento de Inercia $I_x(\text{cm}^4)$	Momento de Inercia $I_y(\text{cm}^4)$	Momento de Resistencia $W_x(\text{cm}^3)$	Momento de Resistencia $W_y(\text{cm}^3)$	Masa (kg/m)	Part No.
Protective Grille Profile PG30 30x30 1 Grille slot	3.37	2.47	2.2	1.6	0.94	1.22.30.030030.01
Protective Grille Profile PG30 30x45 2 Grille slots	7.22	4.67	4.81	2.08	1.24	1.22.30.030045.02
Protective Grille Profile PG40 40x40 1 Grille slot	9.85	8.05	4.93	4.03	1.6	1.22.40.040040.01
Protective Grille Profile PG40 40x60 2 Grille slots	23.25	13.57	11.63	4.52	2.0	1.22.40.040060.02

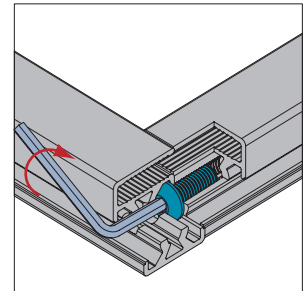
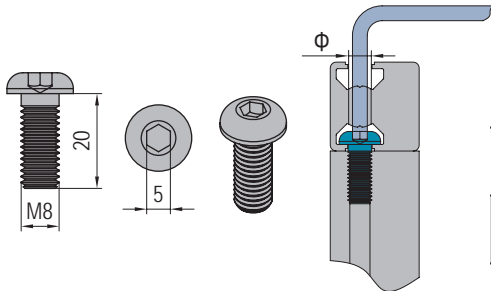
### Conectores para Rejilla

Connecting Components for Net Unit

#### Tornillo Conector

Bolt Connector

Material: Acero zincado / zinc plated steel



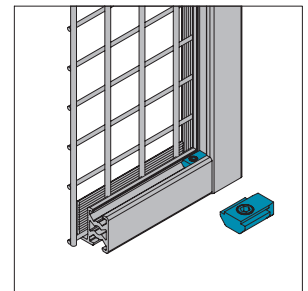
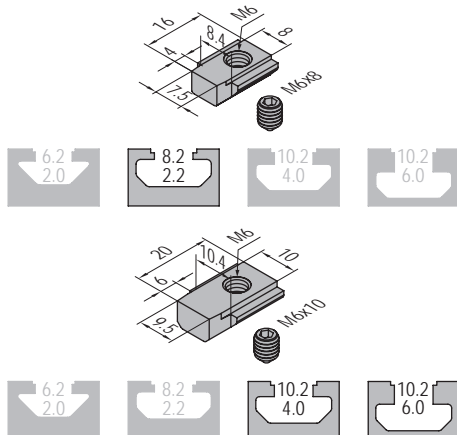
Descripción	Ø (mm)	Material	Masa (g)	Part No.
Bolt Connector	7.6	zinc plated steel	10	3.81.M8.20

### Tuerca Anti-torsión

Anti-torsion Subsequent Nut

Previene la torsión en uniones de rosca.

Material: Acero Niquelado / nickel plated steel



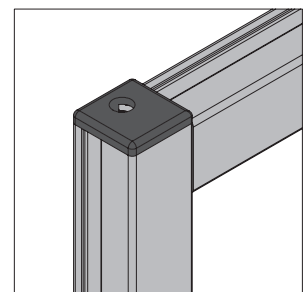
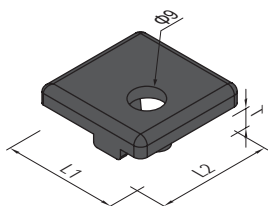
Descripción	D	Material	Masa (g)	Part No.
Anti-torsional Subsequent Nut-8 (with set screw)	M6	nickel plated steel	10	2.32.08.M6
Anti-torsional Subsequent Nut-10 (with set screw)	M6	nickel plated steel	15	2.32.10.M6

### Tapa para Perfil

End Cap for protective grille profile

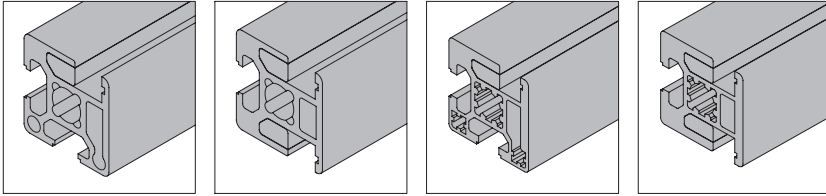
Para prevenir el desgaste y mejorar la terminación. La perforación permite montar conectores con tornillos.

Material: ABS color negro

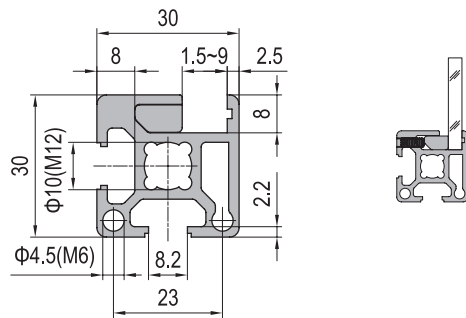


Descripción	L1 (mm)	L2 (mm)	T (mm)	Masa (g)	Part No.
Cap for Protective Grille Profile-PG30-3030	30	30	5	4	4.13.30.3030.SM
Cap for Protective Grille Profile-PG40-4040	40	40	5	6	4.13.40.4040.SM

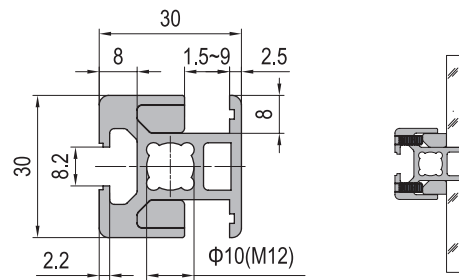
Perfil de Sujeción  
Clamping Profile



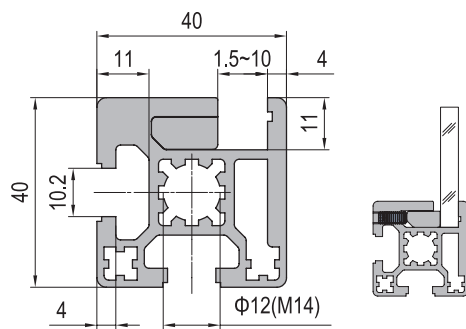
PG30 30x30 1 Ranura de Sujeción  
PG30 30x30 1 Clamping slot



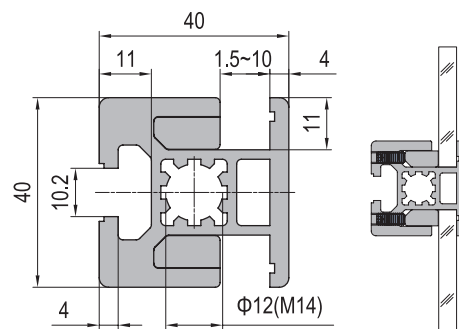
PG30 30x30 2 Ranuras de Sujeción Paralelas  
PG30 30x30 2 Clamping slots Parallel



PG40 40x40 1 Ranura de Sujeción  
PG40 40x40 1 Clamping slot



PG40 40x40 2 Ranuras de Sujeción Paralelas  
PG40 40x40 2 Clamping slots Parallel

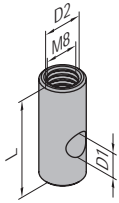
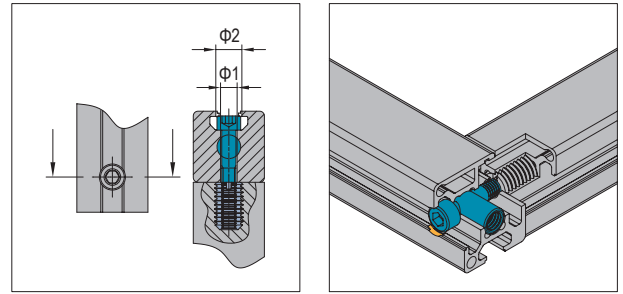


Descripción	Momento de Inercia $I_x(\text{cm}^4)$	Momento de Inercia $I_y(\text{cm}^4)$	Momento de Resistencia $W_x(\text{cm}^3)$	Momento de Resistencia $W_y(\text{cm}^3)$	Masa (kg/m)	Part No.
Clamping Profile PG30 30x30 1 Clamping slot	3.7	2.7	1.8	1.4	1.1	1.21.30.030030.01
Clamping Profile PG30 30x30 2 Clamping slots Parallel	3.5	3.3	2.2	2.2	1.3	1.21.30.030030.02P
Clamping Profile PG40 40x40 1 Clamping slot	12.3	9.5	4.4	3.4	2.2	1.21.40.040040.01
Clamping Profile PG40 40x40 2 Clamping slots Parallel	12.4	12.1	5.8	6.1	2.6	1.21.40.040040.02P

### Conectores para Paneles con Buje Conneting Element For Panel Unit Bushing

#### Buje roscado Bushing

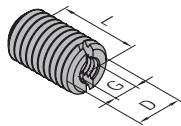
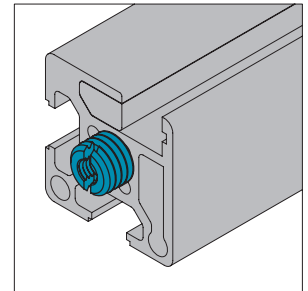
Para lograr un montaje rápido del panel con conectores  
Material : Acero Zincado / zinc plated steel



Descripción	L	D1	D2	$\phi 1$	$\phi 2$	Fastening Set	Masa (g)	Part No.
Bushing	25	6	10	7	11	M6x40	20	PPJ30.ST
Bushing	30	8	12	9	14	M8x40	40	PPJ40.ST

#### Tornillo reductor Hole Reducer Bolt

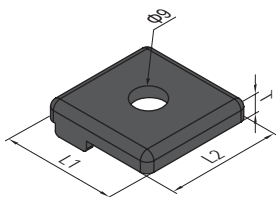
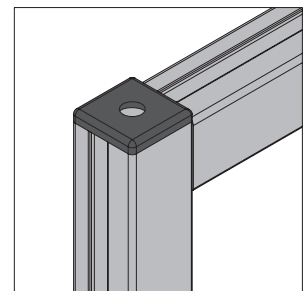
Para reducir el diámetro de la rosca  
Material: Acero niquelado / nickel plated steel



Descripción	D	G	L	Masa (g)	Part No.
Hole Reducer Bolt-M12/M6	M12	M6	20	11	2.51.12.06
Hole Reducer Bolt-M14/M8	M14	M8	20	14	2.51.14.08

#### Tapa para Perfil de Sujeción End Cap for clamping profile

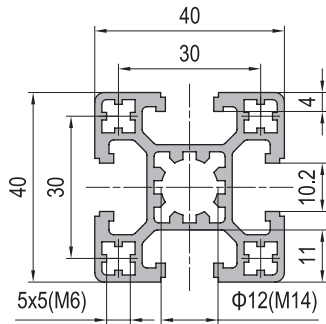
Para prevenir el desgaste y mejorar la terminación. La perforación permite montar conectores con tornillos  
Material: ABS Color negro



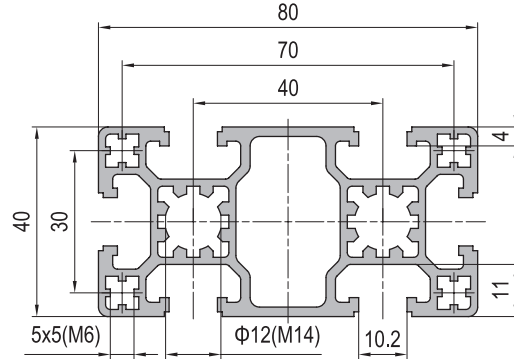
Descripción	L1 (mm)	L2 (mm)	T (mm)	Masa (g)	Part No.
	30	30	5	4	4.12.30.3030.SM
End Cap for Clamping Profile PG40-4040	40	40	5	6	4.12.40.4040.SM

Perfil de Aluminio  
Strut Profile

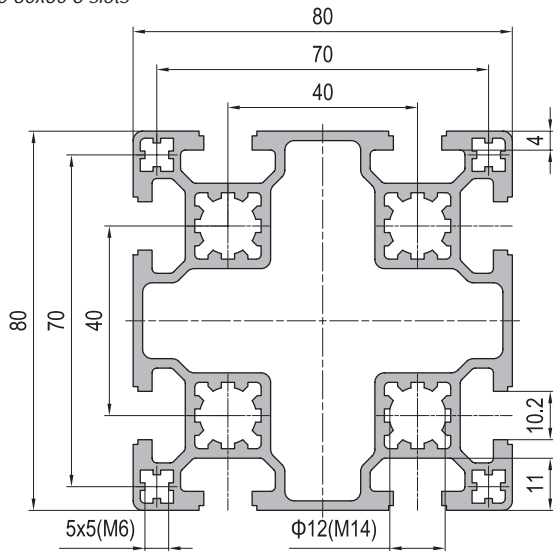
PG40 40x40 4 Ranuras  
PG40 40x40 4 slots light



PG40 40x80 6 Ranuras  
PG40 40x80 6 slots light



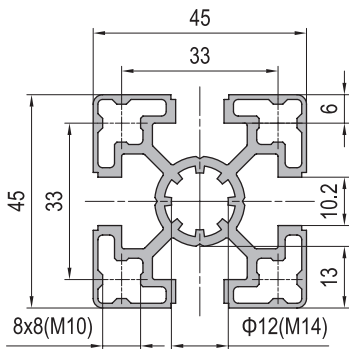
PG40 80x80 8 Ranuras  
PG40 80x80 8 slots



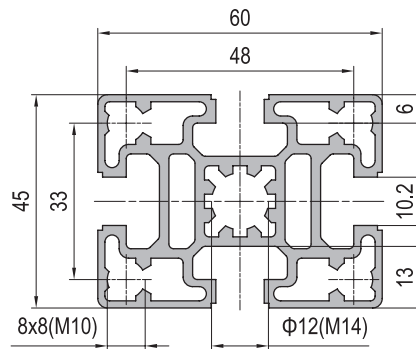
Descripción	Momento de Inercia $I_x(\text{cm}^4)$	Momento de Inercia $I_y(\text{cm}^4)$	Momento de Resistencia $W_x(\text{cm}^3)$	Momento de Resistencia $W_y(\text{cm}^3)$	Masa (kg/m)	Part No.
Strut Profile PG40 40x40 4 slots Light	8.6	8.6	4.3	4.3	1.5	1.11.40.040040.04L
Strut Profile PG40 40x80 6 slots Light	15.8	59.1	7.9	14.8	2.5	1.11.40.040080.06L
Strut Profile PG40 80x80 8 slots	109.9	109.9	27.5	27.5	4.2	1.11.40.080080.08

Perfil de Aluminio  
Strut Profile

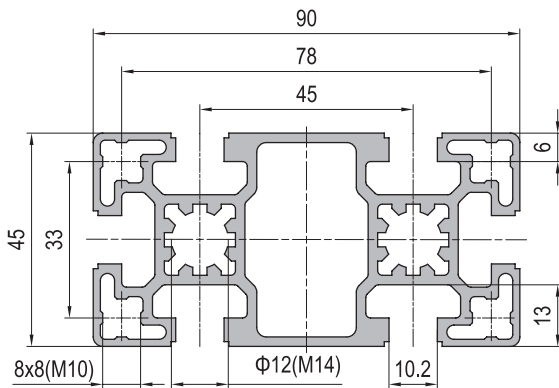
PG45 45x45 4 Ranuras  
PG45 45x45 4 slots Light



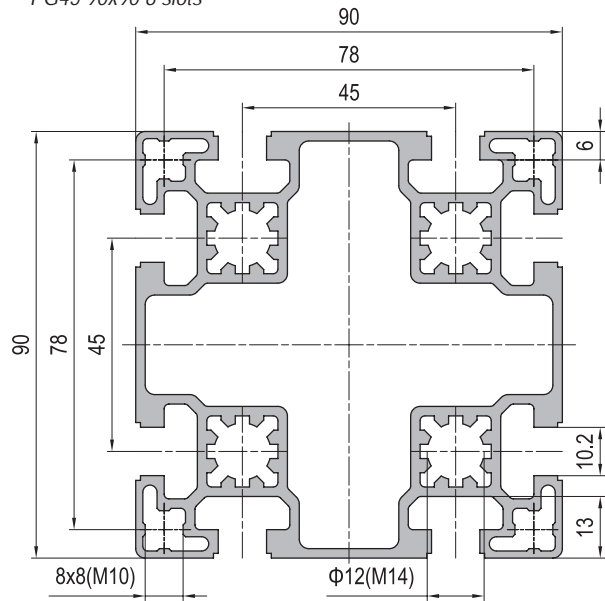
PG45 45x60 4 Ranuras  
PG45 45x60 4 slots



PG45 45x90 6 Ranuras  
PG45 45x90 6 slots



PG45 90x90 8 Ranuras  
PG45 90x90 8 slots



Descripción	Momento de Inercia $I_x(\text{cm}^4)$	Momento de Inercia $I_y(\text{cm}^4)$	Momento de Resistencia $W_x(\text{cm}^3)$	Momento de Resistencia $W_y(\text{cm}^3)$	Masa (kg/m)	Part No.
Strut Profile PG40 45x45 4 slots Light	10.5	10.5	4.7	4.7	1.6	1.11.45.045045.04L
Strut Profile PG45 45x60 4 slots	16.2	27.8	7.2	9.3	2.4	1.11.45.045060.04
Strut Profile PG45 45x90 6 slots	24.2	89.3	10.8	19.9	3.2	1.11.45.045090.06
Strut Profile PG45 90x90 8 slots	163.2	163.2	36.3	36.3	5.0	1.11.45.090090.08

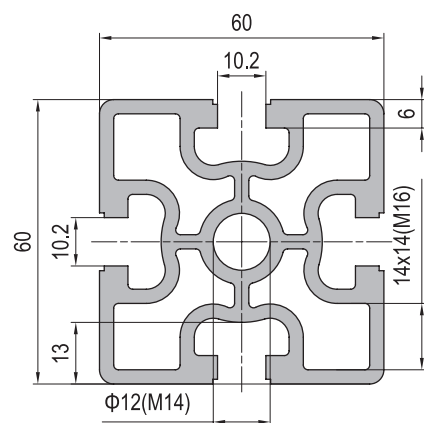


## Perfil de Aluminio

## Strut Profile

PG60 60x60 4 Ranuras

PG60 60x60 4 slots



Descripción	Momento de Inercia $I_x(\text{cm}^4)$	Momento de Inercia $I_y(\text{cm}^4)$	Momento de Resistencia $W_x(\text{cm}^3)$	Momento de Resistencia $W_y(\text{cm}^3)$	Masa (kg/m)	Part No.
Strut Profile PG60 60x60 4 slots	47.7	47.7	15.9	15.9	3.8	1.11.60.060060.04

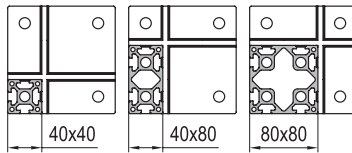
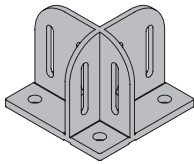
## Base de Anclaje

### Base Plate

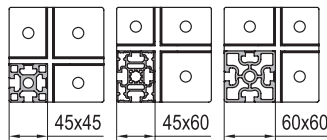
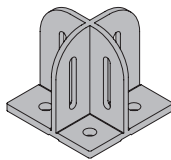
Para el anclaje de las estructuras del Sistema de Cerramientos de Seguridad se ofrecen bases de fundición, que permiten el ajuste para nivelación, y se fijan al pavimento mediante pernos de expansión.

Material y Color: Fundición con tratamiento de superficie contra corrosión. Color Gris.

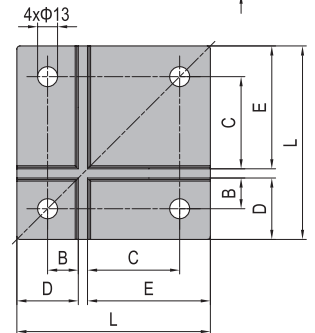
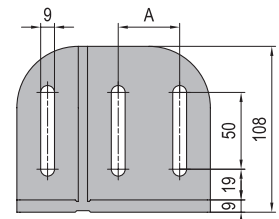
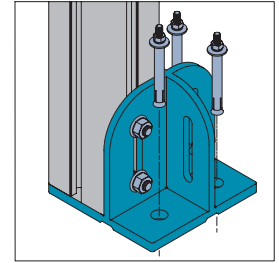
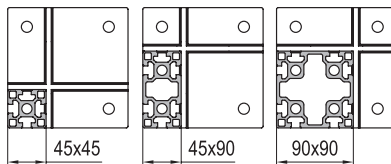
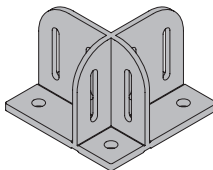
Base de Anclaje 4080  
Base Plate 4080



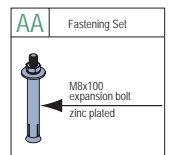
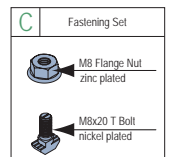
Base de Anclaje 4560  
Base Plate 4560



Base de Anclaje 4590  
Base Plate 4590



Descripción	L (mm)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Fastening Set	Masa (g)	Part No.
Base Plate-4080 (pcs)	126	40	20	60	40	80		1930	5.11.4080
Base Plate-4080 (set A)							4xC+3xAA	2240	5.11.4080.STA
Base Plate-4080 (set B)							6xC+3xAA	2290	5.11.4080.STB
Base Plate-4080 (set C)							z8xC+3xAA	2340	5.11.4080.STC
Base Plate-4560 (pcs)	111		22.5	30	45	60		1600	5.11.4560
Base Plate-4560 (set)							4xC+3xAA	1910	5.11.4560.ST
Base Plate-4590 (pcs)	141	45	22.5	67.5	45	90		2330	5.11.4590
Base Plate-4590 (set A)							4xC+3xAA	2640	5.11.4590.STA
Base Plate-4590 (set B)							6xC+3xAA	2690	5.11.4590.STB
Base Plate-4590 (set C)							8xC+3xAA	2740	5.11.4590.STC

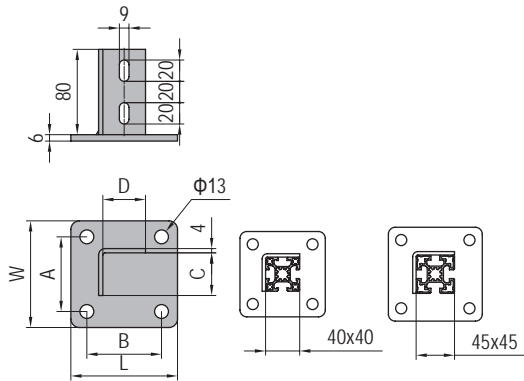


## Base de Anclaje Base Plate

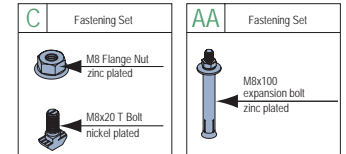
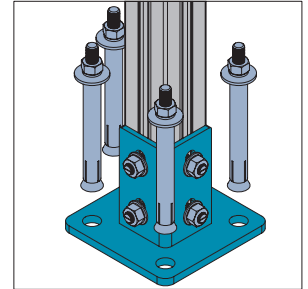
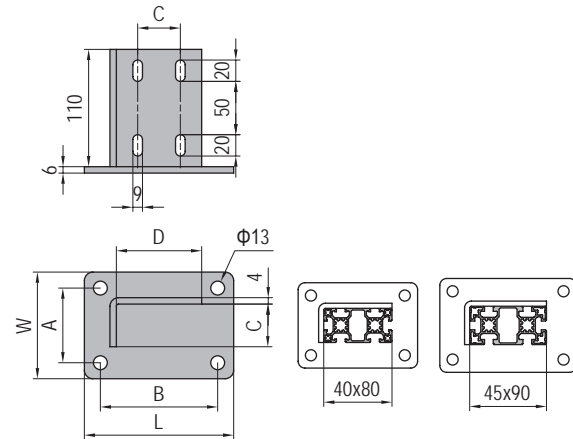
Para los perfiles que se muestran a continuación, se ofrecen como alternativa, bases cuadradas de acero al carbono con terminación de electroforesis.

Material y Color: Acero al Carbono, Electroforesis Color negro.

Base de Anclaje 40x40/45x45  
Base Plate 40x40/45x45



Base de Anclaje 40x80/45x90  
Base Plate 40x80/45x90

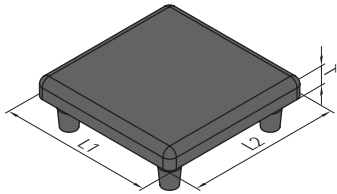
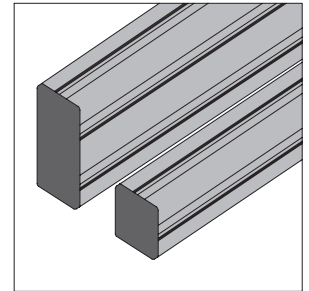


Descripción	L (mm)	W (mm)	A (mm)	B (mm)	C (mm)	D (mm)	Fastening Set	Masa (g)	Part No.
Base Plate-4040 (pcs)	100	100	70	70	40	40		629	5.12.4040
Base Plate-4040 (set)							4xC+4xAA	1037	5.12.4040.ST
Base Plate-4545 (pcs)	110	110	80	80	45	45		1022	5.12.4545
Base Plate-4545 (set)							4xC+4xAA	1474	5.12.4545.ST
Base Plate-4080 (pcs)	140	100	70	110	40	80		753	5.12.4080
Base Plate-4080 (set)							6xC+4xAA	1161	5.12.4080.ST
Base Plate-4590 (pcs)	160	110	80	130	45	90		1243	5.12.4590
Base Plate-4590 (set)							6xC+4xAA	1685	5.12.4590.ST

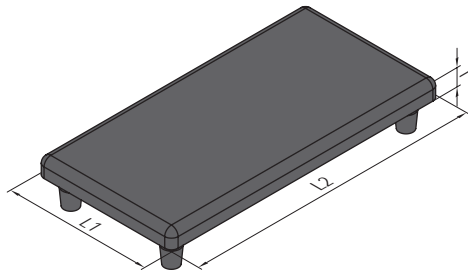
Accesorios del Perfil  
Profile Accesories

Tapa  
End Cap

Para prevenir el desgaste, ocultar extremos filosos y mejorar la terminación.  
Material y Color: ABS color Negro.



Tipo B  
Type B



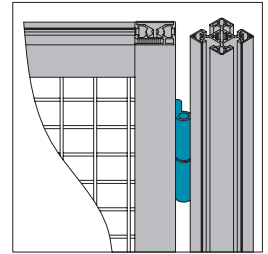
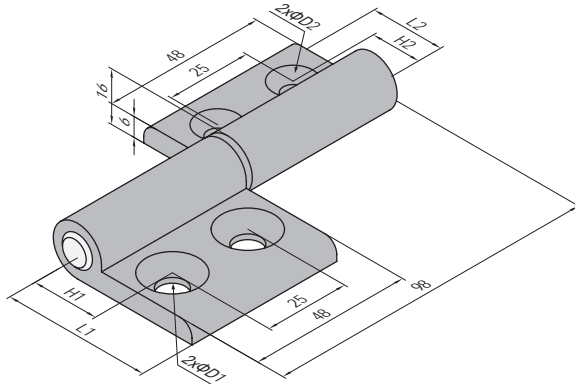
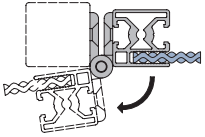
Tipo C  
Type C

Descripción		L1 (mm)	L2 (mm)	T (mm)	Masa (g)	Part No.
Type B	End Cap-PG40-4040	40	40	5	6	4.11.40.4040
	End Cap-PG40-8080	80	80	5	22	4.11.40.8080
	End Cap-PG45-4545	45	45	5	8	4.11.45.4545
	End Cap-PG45-9090	90	90	5	28	4.11.45.9090
	End Cap-PG60-6060	60	60	5	14	4.11.60.6060
Type C	End Cap-PG40-4080	40	80	5	13	4.11.40.4080
	End Cap-PG45-4560	45	60	5	11	4.11.45.4560
	End Cap-PG45-4590	45	90	5	16	4.11.45.4590

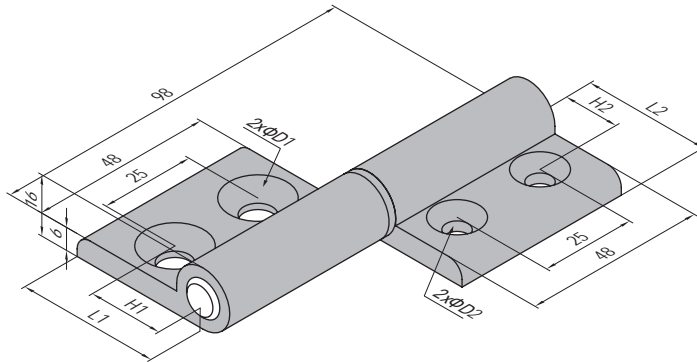
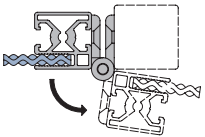
## Bisagra para puertas Hinge for Swing Door

Material y Color: Aleación de Aluminio, Anodizado claro.

### Bisagra de Puerta-Izquierda-A Door Hinge-Left-A



### Bisagra de Puerta-Derecha-B Door Hinge-Right-B



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

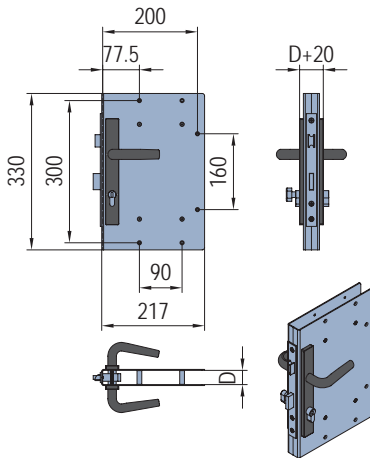
Descripción		H1 (mm)	H2 (mm)	L1 (mm)	L2 (mm)	D1 (mm)	D2 (mm)	Fastening Set	Masa (g)	Part No.
Net Group	30/40-A (set)	20	20	28	38	6.5	8.5	2xFF+2xFG	162	7.27.30.40.ST.SM
	30/40-B (set)									7.26.30.40.ST.SM
	40/45-A (set)	22.5	22.5	38	38	8.5	8.5	4xFG	186	7.27.45.45.ST
	40/45-B (set)									7.26.45.45.ST
Panel Group	30/40-A (set)	20	15	38	28	8.5	6.5	2xFF+2xFG	158	7.27.30.40.ST
	30/40-B (set)									7.26.30.40.ST
	40/45-A (set)	22.5	20	38	38	8.5	8.5	4xFG	186	7.27.40.45.ST
	40/45-B (set)									7.26.40.45.ST

### Cerradura para Puertas Batientes

Lock for Swing Door

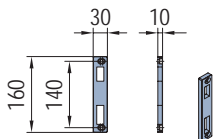
#### Cuerpo de Cerradura

Lock Body



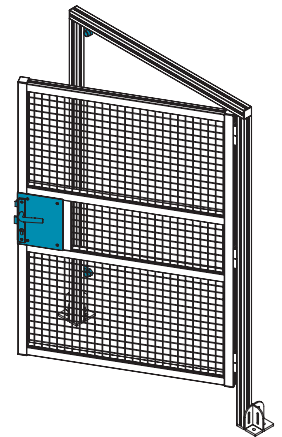
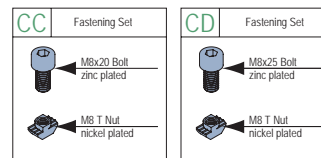
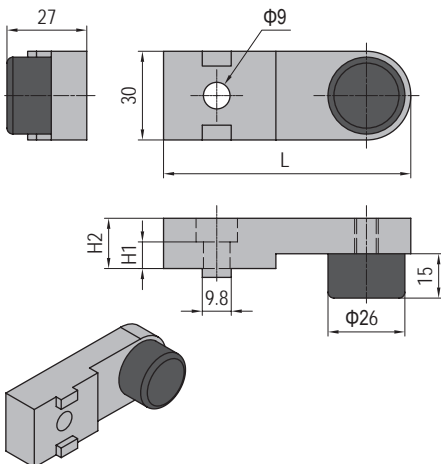
#### Ranura de Cerradura

Lock Slot

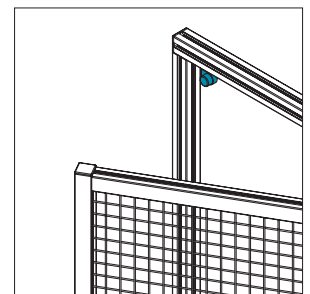


#### Tope para Puertas Batientes

Buffer Block for Swing Door



	Descripción	D (mm)	L (mm)	Masa (g)	Part No.
Net Group	Lock for Swing Door PG30	30	255	4100	PNDH30.LK
	Lock for Swing Door PG40	40	265	4800	PNDH40.LK
Panel Group	Lock for Swing Door PG30	30	255	4100	PPDH30.LK
	Lock for Swing Door PG40	40	265	4800	PPDH40.LK



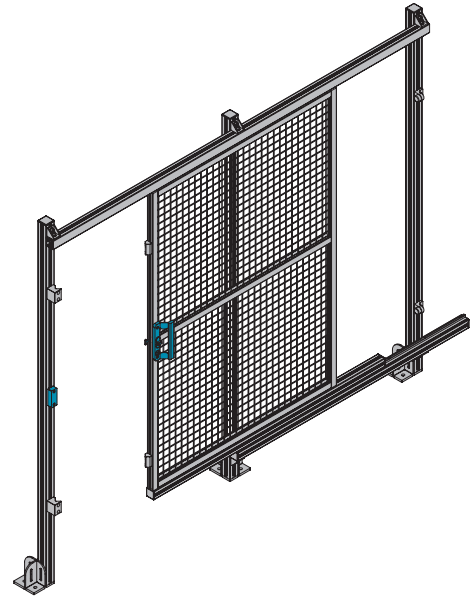
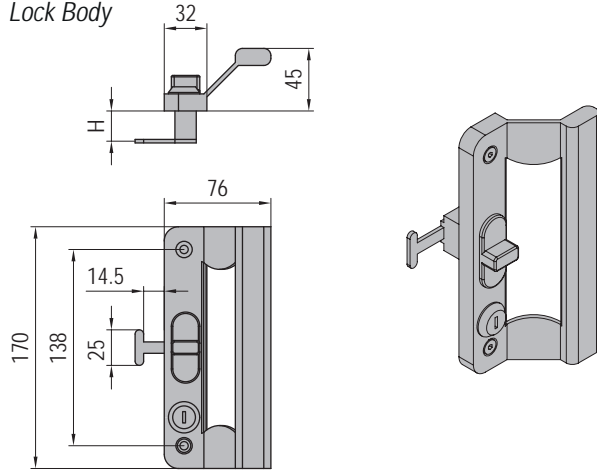
	Descripción	H1 (mm)	H2 (mm)	L (mm)	Fastening Set	Masa (g)	Part No.
Net Group	Buffer Block for Swing Door PG30	9	17	88	1xCC	112	PNDH30.BB
	Buffer Block for Swing Door PG40	14	22	88	1xCD	121	PNDH40.BB
Panel Group	Buffer Block for Swing Door PG30	9	17	88	1xCC	112	PPDH30.BB
	Buffer Block for Swing Door PG40	14	22	88	1xCD	121	PPDH40.BB

### Cerradura para Puertas Corredizas

Lock for Swing Door

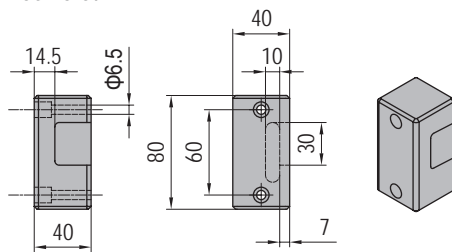
#### Cuerpo de Cerradura

Lock Body

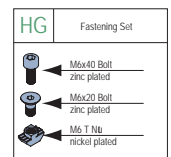


#### Ranura de Cerradura

Lock Slot

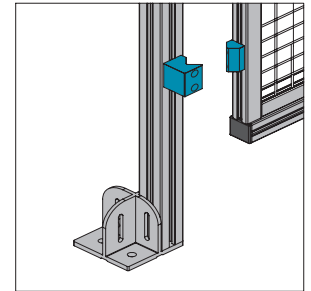
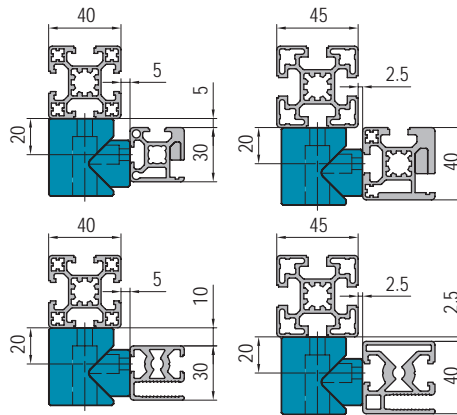
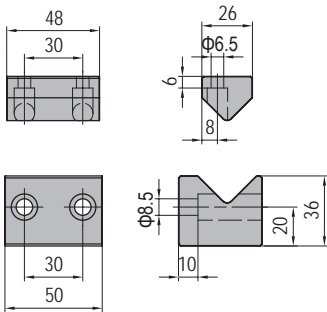


Descripción		H (mm)	Fastening Set	Masa (g)	Part No.
Net Group	Lock for Sliding Door-30	18	2xHG	910	PNDS30.LK
	Lock for Sliding Door-40	20	2xHG	910	PNDS40.LK
Panel Group	Lock for Sliding Door-30	12	2xHG	910	PPDS30.LK
	Lock for Sliding Door-40	18	2xHG	910	PPDS40.LK



- ✘ La Cerradura estándar abre hacia la derecha, especifique en caso de necesitar apertura hacia la izquierda.
- ✘ Cuando la puerta está cerrada, se puede abrir sólo desde el exterior de la barrera de protección.

Posicionador para Puerta Corrediza  
Guide Block for Sliding Door

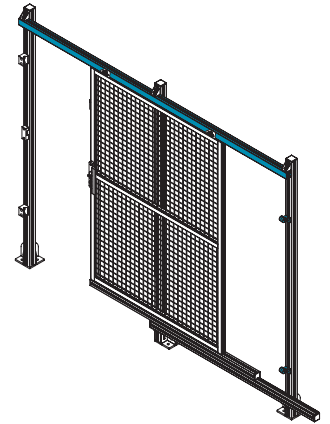
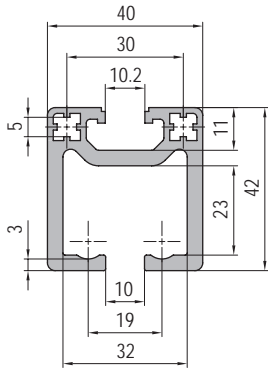


HD	Fastening Set	HE	Fastening Set	HF	Fastening Set
	M8x20 Bolt zinc plated		M6x12 Bolt zinc plated		M6x16 Bolt zinc plated
	M8 T Nut nickel plated		M6 T Nut nickel plated		M6 T Nut nickel plated

Descripción	Fastening Set	Masa (g)	Part No.
Door Shutter for PG30	2xHD+2xHE	151	PBDS30.DS
Door Shutter for PG40	2xHD+2xHF	157	PBDS40.DS

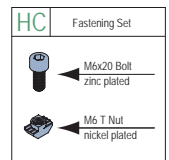
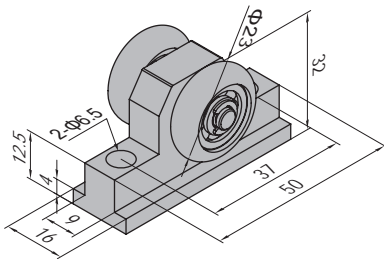


Perfil Guía / Riel  
Profile Rail



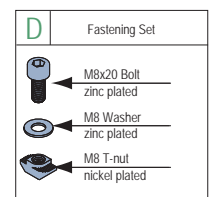
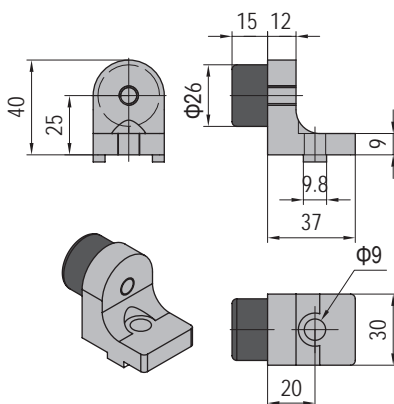
Descripción	Momento de Inercia Ix(cm <sup>4</sup> )	Momento de Inercia Iy(cm <sup>4</sup> )	Módulo Resistente Wx(cm <sup>3</sup> )	Módulo Resistente Wy(cm <sup>3</sup> )	Masa (kg/m)	Part No.
Profile Rail	12.7	10.6	6.4	5.1	1.6	1.42.40.4040.01

Carro para Puerta Corrediza  
Pulley Block for Sliding Door



Descripción	Fastening Set	Masa (g)	Part No.
Pulley Block for PG30	2xHC	64	PBDS30.PB
Pulley Block for PG40	2xHC	70	PBDS40.PB

Tope para Puerta Corrediza  
Buffer Block for Sliding Door

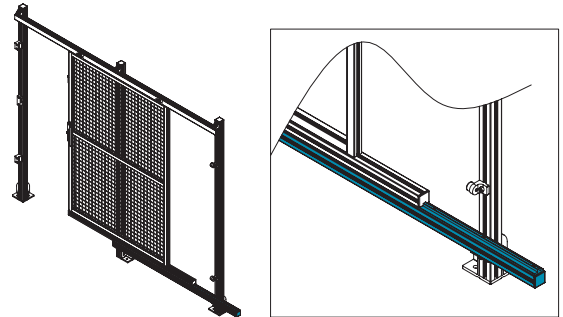
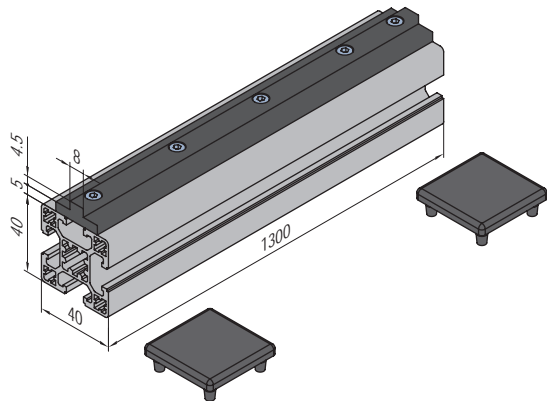


Descripción	Fastening Set	Masa (g)	Part No.
Buffer Block for Sliding Door	1xD	64	PBDS30.BB

Componentes de la Guía de Fricción  
Friction Strip Components

Se coloca en la parte inferior de la puerta corrediza, sobre el perfil guía, para mejorar la resistencia al desgaste y guiar la puerta desde el lado inferior.

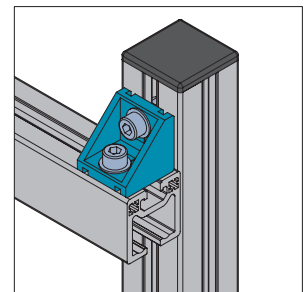
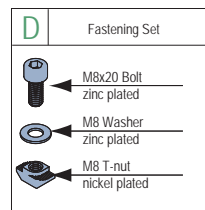
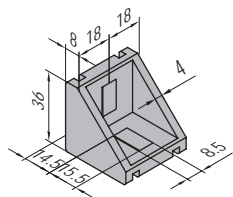
Material: UHMW PE



Descripción	Masa (g)	Part No.
Friction Strip Components	11	PPDS.FS.ST

Escuadra  
Die Cast Bracket

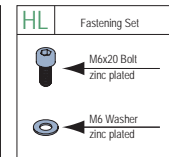
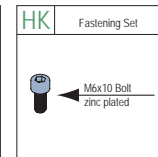
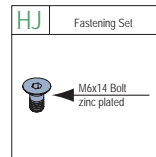
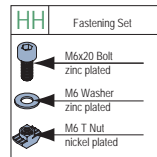
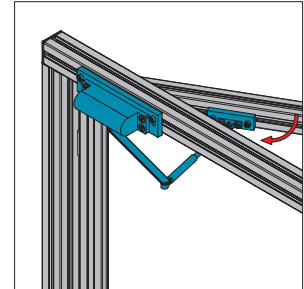
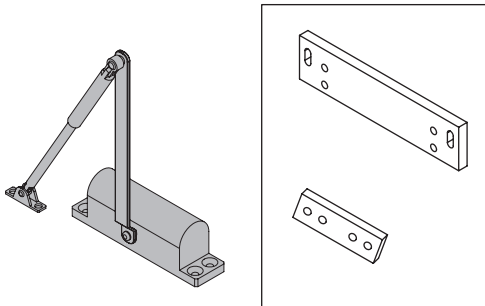
Material: Fundición de Aluminio



Descripción	Fastening Set	Masa (g)	Part No.
Die cast bracket	2xD	11	3.21.40.4040.STD

### Brazo Hidráulico Door Shutter

El Brazo Hidráulico permite el cierre automático.



Descripción		Fastening Set	Part No.
Net Group	Door Shutter	2xHH+4xHJ+2xHK+2xHL	PNDH.DS.30.ST
	Door Shutter	2xHH+4xHJ+2xHK+2xHL	PNDH.DS.40.ST
Panel Group	Door Shutter	4xHH+4xHJ+2xHK	PPDH.DS.30.ST
	Door Shutter	4xHH+4xHJ+2xHK	PPDH.DS.40.ST

✳ El Perfil debe ser fijado con 2 M6X15 cuando se usa el Brazo Hidráulico.

### Cerradura de Seguridad Safety Lock

La Cerradura de Seguridad Integrada Euchner garantiza alta fiabilidad en uso industrial. Se utiliza para bloquear el acceso a un sector y así prevenir accidentes.



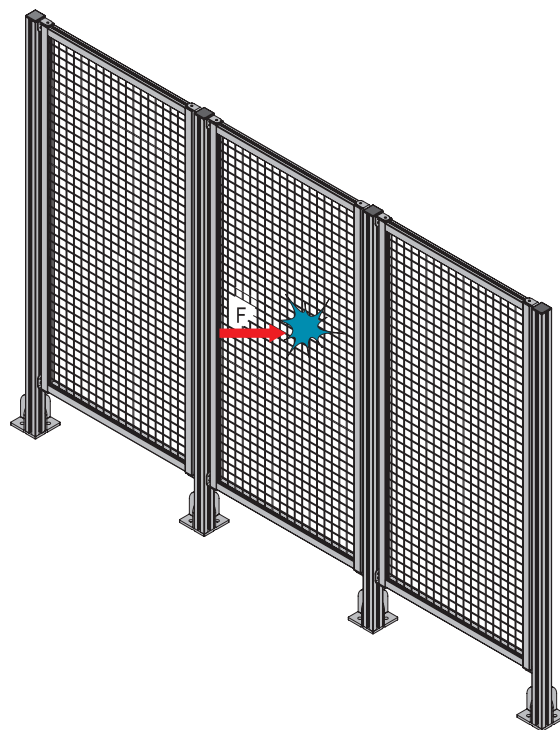
Descripción	Part No.
Safety Lock	PBDH.SL

### Capacidad de Carga de la Barrera de Protección

#### *Load Capacity of Protective Barrier*

El diseño de la estructura de fijación le da al sistema de Barreras de Protección una gran capacidad de carga. Se pueden generar deformaciones elásticas, que una vez retirada la carga se anulan. El valor de fuerza máxima admisible para cada variante se expresa en la tabla a continuación.

Protective Units	F Max (N)	Part No.
PG30	1500	PB30.18000420.STA
	1000	PB30.18000920.STA
	800	PB30.18001420.STC
PG40	1800	PB40.18000420.STA1
	1200	PB40.18000920.STA
	1000	PB40.18001420.STC1





Sistema de Ensamble Modular  
*Modular Assembly System*

MAS



Sistema de Transportadores Modulares  
*Modular Conveyor System*

MCS



Sistema de Plataformas y Escaleras  
*Stair and Platform System*

SPS



Sistema de Cerramientos de Seguridad  
*Machine Guard System*

MGS



Sistema de Estructuras Tubulares  
*Tubular Framing System*

TFS



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# Machine Guard System