



Cable Management System

pemsaband[®] PQ

El diseño de Pemsa para la Industria Petroquímica

Pemsa design for the Oil & Gas Industry

Le design de Pemsa pour l'industrie pétrochimique



www.pemsa-rejiband.com



Web-site

pemsa

www.pemsa-rejiband.com

Visita las siguientes secciones Visit the following pages Visitez les sections suivantes

Novedades y Catálogo de producto News and product Catalogue Nouveautés et catalogue de produits



rejiband® BLACK C8®

High Resistance protection for aggressive environments

Class 8. >1000 hours.
Better features than Hot Dip Galvanised.

BLACK C8®
IEC 61537

ESP



ENG



Soporte Técnico Technical Support Support Technique



ESP



ENG



Documentación y Descargas Document Downloads Documentation et Téléchargement



ESP



ENG



Soluciones de Producto Product Solutions Solutions de Produits

	Food Industry Food, Bakery, Beverages, Dairy, etc.		Chemical / Pharma Industry Laboratories, Research centres, Chemical and Water treatment plants.		Petrochemical Industry Refineries, Distribution centres, Nuclear and Thermal plants.		Energy Biomass, Thermosolar, Cogeneration, Wind, etc.		Photovoltaic Planes, Roofs, Solar farms, etc.
	Data Centers Data processing centres, IT installations etc.		Building / Tertiary Shopping centres, Schools, Hospitals, Stations, Airports, Offices, Car Parking.		Tunnels Highway/road, Train, Underground, Service and maintenance.		Railway app. Trains, Railway devices, Automobile.		E90 Fire Resistance Fire resistance of the electric cable system required to maintain circuit integrity.

ESP



ENG



Cable Management System

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1.1	 rejitech®	Soporte de cables para falsos techos Cable support for false ceilings Support de câbles faux plafonds	
1.2	 pemsaband® inducanal®	Bandeja de Chapa perforada y ciega Perforated and solid cable trays Dalle métallique perforée et emboutie	
1.3	 megaband®	Bandeja de escalera para aplicaciones industriales Ladder for industrial applications Echelle à câble pour l'industrie	
2		Sistemas de Tubos, Racores y Prensaestopas Conduit, Connectors and Cable gland Systems Systèmes Tubes, Raccords et Presse Étoupes	

Grandes Retos. Grandes Soluciones

Tenemos la solución para la canalización de cables. Innovamos y crecemos desde hace más de 40 años.

Fiabilidad

Confía en Pemsa. Reducimos sus costes, cumplimos especificaciones y plazos de entrega. Te ofrecemos la solución más adecuada. Amplio Stock de referencias y productos. Equipo de profesionales para atender cualquier consulta.

Soluciones para profesionales

Sistemas de producto que hacen mejor tu instalación.
Todas las Soluciones en Bandejas y Tubos. Diseñadas y ensayadas según los estándares internacionales.
Soluciones específicas para Alimentaria, Petroquímica, Infraestructuras...
Productos desarrollados a partir de nuestra experiencia y la tuya.

Major Challenges. Great Solutions

We have the solution for cable trays. Innovations and growth for more than 40 years.

Reliability

Trust in Pemsa. We reduce costs, meet specifications and deadlines. We offer the best solution. Large stock of references and products. Professional team to respond to your requests and enquiries.

Solutions for professionals

Product systems for the best installation. Complete systems of trays and conduits. Designed and tested to International standards. Specific solutions for Food Industry, Petrochemical, Infrastructure...
Products developed from our experience and yours.

Grands défis. Grandes solutions

Nous avons la solution pour la canalisation de câbles. Nous innovons et nous grandissons depuis plus de 40 ans.

Fiabilité

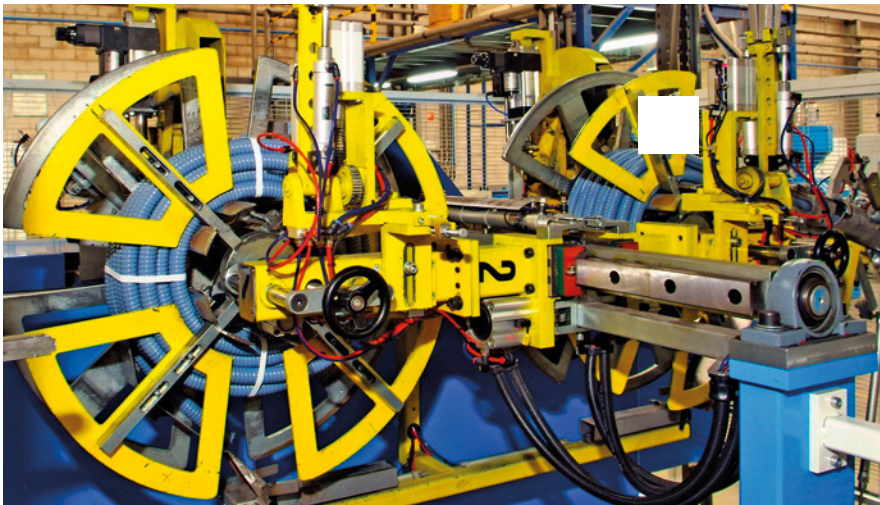
Faites confiance à Pemsa. Nous réduisons vos coûts, nous respectons les spécifications et les délais de livraison. Nous vous offrons la solution la plus adaptée. Vaste stock de références et de produits. Une équipe de professionnels à votre écoute pour vos commandes et vos consultations.

Solutions pour les professionnels

Systèmes de produits qui améliorent votre installation. Tous les systèmes de chemins de câbles et de tubes. Conçus et testés selon les normes internationales. Solutions pour les secteurs : Alimentaire, Pétrochimie, Infrastructures...

International

Présents dans plus de 50 pays. Connaissance et contrôle des marchés. Filiales et propres structures au R.U, France, Portugal et Colombie. Accords de collaboration avec d'importants partenaires et entreprises du secteur.



Certificaciones y Homologaciones obtenidas
Certifications and Approvals obtained
Certifications et Homologations obtenues



Filiales / Branches / Filiales

Pemsa U.K.
Pemsa France
Pemsa Portugal

Pemsa Latam.

Presencia Internacional

Pemsa desarrolla su vocación internacional a través de sus Filiales, **Pemsa UK**, **Pemsa France**, **Pemsa Portugal** y **Pemsa Latinoamérica**, y clientes de los 5 continentes, Oriente Medio, Dubai, Arabia Saudí, Alemania, Bélgica, Italia, Grecia, Marruecos, Senegal, Sudáfrica, Nueva Zelanda, Estados Unidos, Panamá, Costa Rica, Colombia, Ecuador, Perú, Bolivia.

International Presence

Pemsa develop its international presence through its Branches, **Pemsa UK**, **Pemsa France**, **Pemsa Portugal** and **Pemsa Latin America**, and customers established in the five continents: Middle East, Dubai, Saudi Arabia, Germany, Belgium, Italy, Greece, Morocco, Senegal, South Africa, New Zealand, U.S.A., Panama, Costa Rica, Colombia, Ecuador, Peru, Bolivia...

Présence internationale

Pemsa consolide un stade de développement à l'international avec une présence directe et propre marque: **Pemsa Royaume-Uni**, **Pemsa France**, **Pemsa Portugal**, et **Pemsa Latinoaméricaine**. En outre, nous continuons à accroître notre présence dans les Cinq continents, Middle East, Dubai, Arabie Saoudite, Allemagne, Belgique, Italie, Grèce, Maroc, Sénégal, Afrique du Sud, Nouvelle-Zélande, États-Unis, Panama, Costa Rica, Colombie, Equateur, Pérou, Bolivie, ...





Certificaciones y Homologaciones



Marcado N de AENOR. Bandejas y soportes

reji band® y **pemsaband®** han obtenido el marcado N de AENOR que certifica que han superado los requisitos de la norma europea, UNE-EN-61537, "Sistemas de bandejas y de bandejas de escalera para la conducción de cables", donde se especifican las condiciones de seguridad, ensayos, características técnicas, etc., que deben cumplir las bandejas.

Certificado N:

reji band® **pemsaband®** Soportes
030/002090 030/002096 030/002089



Marcado N de AENOR. Tubos Rígidos

Tubos rígidos metálicos RR y RL están certificados por AENOR superando los requisitos y ensayos cumpliendo las normas europeas, UNE-EN 61386-1:2005 y UNE-EN 61386-21:2005, donde se especifican las condiciones de seguridad, ensayos, características técnicas, etc., que deben cumplir los tubos.

Certificado N: Tubos Rígidos Metálicos
030/002199



E90. Resistencia al Fuego

Las bandejas metálicas **reji band®** y **pemsaband®** han superado el ensayo de la norma alemana DIN 4102-12, que ensaya el conjunto de la instalación eléctrica, bandejas y cables, certificando que se mantienen las propiedades eléctricas de la instalación durante 90 minutos a más de 1000°C.

Certificación UL. Continuidad eléctrica asegurada

Esta certificación acredita que la bandeja **reji band®** y **pemsaband®** asegura una buena continuidad entre tramos de la bandeja y que podrían usarse éstas en determinadas condiciones como función de tierra sin necesidad de conductor adicional de protección.

Acabado BYCRO acorde con RoHS 2002/95/CE

Pemsa ha eliminado el Cromo Hexavalente y metales pesados de sus procesos de producción, fabricando su bandeja **reji band®** acabado BYCRO de acuerdo con las últimas directivas medioambientales.



Certifications and Approvals

AENOR N mark. Trays and supports

reji band® and **pemsaband®** are the only metal trays on the market that have achieved the N mark of AENOR. This certifies that the N marked **reji band®** and **pemsaband®** have exceeded the requirements of European standard EN-61537, "Cable Management - Cable Tray Systems and Cable Ladder Systems" which specifies the security, testing, technical features, etc., which the trays must meet.

N Certificate:

reji band® **pemsaband®** Supports
030/002090 030/002096 030/002089

AENOR N mark. Rigid conduits

Rigid metallic conduits, researched, developed and provided by Pemsa, have been certified by AENOR that they have passed compliance testing requirements and European standards UNE-EN 61386-1:2005 and UNE-EN 61386-21:2005, which specifies the safety, testing, technical features, etc., to be met by conduits.

N Certificate: Rigid Metal Conduits
030/002199

E90. Fire resistance

reji band® and **pemsaband®** have successfully exceeded the fire resistance tests defined by the German Standard DIN 4102-12 "Fire behaviour of building materials and elements, Fire resistance of electric cable systems required to maintain circuit integrity", by withstanding 1000°C (1832°F) temperature for 90 minutes, thus obtaining the E90 certification.

UL Classified. Electrical Continuity guaranteed

This certification ensures, when using **reji band®** wire mesh tray and **pemsaband®** cable tray, that the correct electrical continuity between trays exists which could, under certain circumstances, be used as a protective earth without using any additional protective conductor. Any protective conductor would connect all earthed points of an installation to the earth conductor, in order to eliminate the risks through indirect contact.

BYCRO finish in compliance with RoHS 2002/95/EC

Pemsa has removed all hexavalent chromium and heavy metals from their production processes, ensuring that their BYCRO **reji band®** finish complies with all of the latest environmental directives.

Certificats et Homologations

Marque N d'AENOR. Calhas e Suportes

reji band® et **pemsaband®** sont les seuls chemins de câbles métalliques du marché à avoir obtenu le marquage N d'AENOR. Ce marquage certifie que **reji band®** et **pemsaband®** sont conformes aux exigences de la norme européenne NF-EN-61537 : « Systèmes de chemin de câbles et systèmes d'échelle à câbles pour conduits de câblages », où sont définies les conditions de sécurité, les essais, les caractéristiques techniques, etc ; auxquels doivent s'adapter les chemins de câbles.

Certificat N:

reji band® **pemsaband®** Supports
030/002090 030/002096 030/002089

Marque N de AENOR. Tubes rigides

Tubes rigides métalliques RR et RL élaborés et commercialisés par Pemsa, lesquels sont certifiés AENOR et ont surpassé les conditions et essais requis en obtenant les normes européennes, NF-EN 61386-1:2005 et NF-EN 61386-21:2005, où sont spécifiées les conditions de sûreté, essais, caractéristiques techniques, etc., que doivent accomplir les tubes.

Certificat N: Tubes rigides métalliques
030/002199

E90. Résistance au feu

Le chemin de câbles **reji band®** et **pemsaband®**, a réussi le test de la norme allemande DIN 4102-12 qui teste l'ensemble de l'installation électrique, chemins de câbles inclus, certifiant que le courant électrique de l'installation est maintenues pendant 90 minutes à plus de 1000°C.

Certification UL. Continuité électrique assurée

Cette certification garantit que le chemin de câbles **reji band®** et **pemsaband®**, assure une bonne continuité entre les différentes sections et que celles-ci pourraient être utilisées dans des conditions déterminées comme fonction de branchement à la terre, sans rajouter un conducteur supplémentaire de protection.

Finition BYCRO conforme à la norme RoHS 2002/95/CE

Pemsa a éliminé le Chrome Hexavalent de ses procédés de production, et fabrique désormais son chemin de câbles **reji band®** finition BYCRO conformément aux dernières Directives Environnementales.

Ventajas del líder

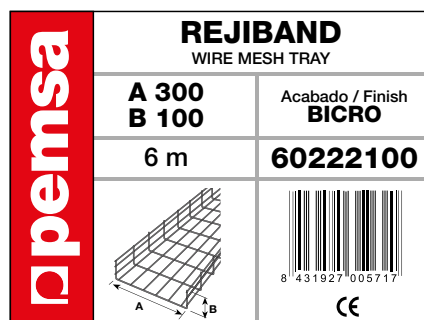
ATENCIÓN AL CLIENTE

Tel: **902 171 817**
Fax: **918 023 382**
@ atencioncliente@pemsa-rejiband.com

Etiquetas gráficas

Permite una perfecta identificación de todas las Gamas de Producto.

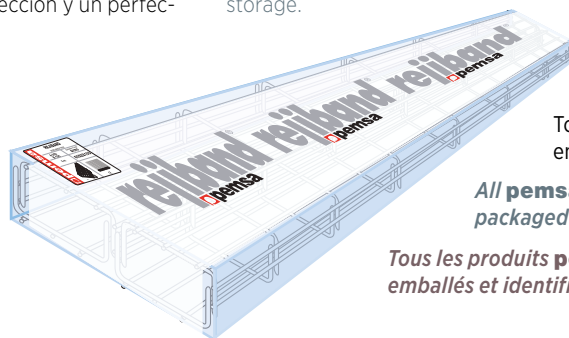
- Facilita el almacenamiento.
- Permite la identificación del producto durante todo el proceso de fabricación.
- Incluye: código de barras EAN 13, número de referencia, unidades que contiene, tipo acabado y dimensiones de la pieza.



Embalaje protector

Permite una perfecta identificación de todos los elementos del sistema **rejiband®**.

- Con film termosellado y etiqueta identificadora.
- Garantiza la máxima protección y un perfecto almacenamiento.



Todos los productos **pemsa** se entregan embalados e identificados

All pemsa products are delivered packaged and identified

Tous les produits pemsa sont livrés emballés et identifiés



Marcado CE

Todos los productos de este catálogo cumplen con las directrices CE.

Código EAN

Todos los productos de este catálogo llevan asignado su correspondiente código de barras europeo de 13 dígitos (EAN).

Leader Advantages

CUSTOMER SERVICE

Tel: **+34 91 802 34 99**
Fax: **+34 91 802 34 82**
@ export@pemsa-rejiband.com

CUSTOMER SERVICE UK

Tel: **0113 277 9090**
Fax: **0113 277 5939**
@ sales@pemsa.co.uk

Graphic Labels

Allows perfect identification of all the product ranges.

- Facilitates storage.
- Allows product identification during the entire manufacturing process.
- Includes the following: 13-digit EAN bar code, reference number, the units it contains, type of finish and part dimensions.

Protective packaging

Allows perfect identification of all elements of the **rejiband®** system.

- With heat-sealed film and identification label.
- It ensures maximum protection and perfect storage.

Avantages de Leader

SERVICE CLIENT

Tel: **+33 01 60 86 75 65**
Fax: **+33 01 60 87 11 83**
@ service-client@pemsa.fr

Etiquettes graphiques

Permet une parfaite identification de tous les gammes du produits

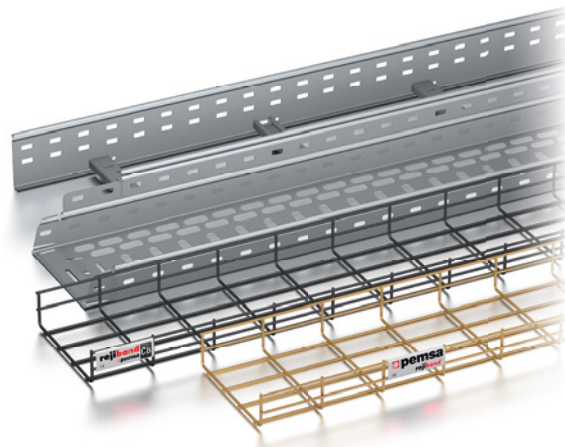
- Facilite le stockage.
- Permet l'identification du produit pendant tous le processus de production.
- Inclue: code EAN 13, référence article, nombre d'unités contenues, type de finition et dimensions de l'article.

Emballage de protection

Permet une parfaite identification de tous les chemins de câbles du système **rejiband®**.

- Avec un film thermo-retrécit et une étiquette d'identification.
- Garantie une protection maximale et un stockage idéal des produits.



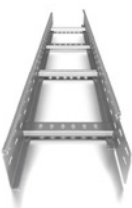


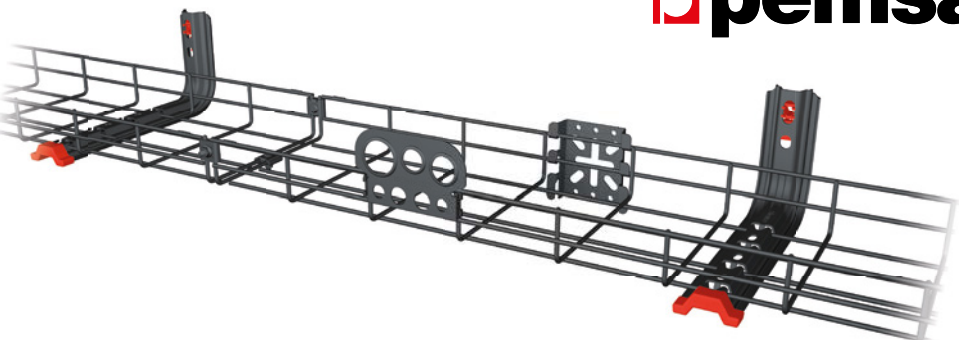
Sistemas de Bandejas y Soportes. Guía de selección

Cable Tray and Supports System. Selection guide

Systèmes de Chemins de Câbles & Supports. Guide des produits

Sistemas de Bandejas Portacables / Cable Tray System / Systèmes de Chemins de Câbles

Denominación Ranges Désignation	reijiband®	reijiband® BLACK C8	reijiband® CLICK	reijitech®	pemsaband® SX(*) / LX	pemsaband® RX	megaband®	pemsaband® PQ / PQ AL	
									
Características / Features / Caractéristiques									
(M)	Acero al carbono / Carbon steel / Acier Carbone								Aluminio / Aluminium
PG									
EZ									
BYCRO									
GC									
C8									
304									
316L									
 mm	60-600	60-600	60-600	100	100-600	100-600	100-1000	50-600	
 mm	35/60/100	35/60/100	60	60	60/85/100	60/85/100	60/85/100/120	15/30/50/60/100	
	-50 °C / +150 °C								
 N/m									
	20 J.								
	A1 / E90	A1	A1	A1	A1 / E60	A1	A1	A1	
Homologaciones / Approvals / Homologations									
	    	   NEMA VE1 	  NEMA VE1 	  	     	   	NEMA VE1   	    	
Aplicaciones / Applications / Applications									
 Tertiary									
 Tunnels									
 Data Center									
 Photovoltaic/ Energy									
 Food Industry									
 Petrochemical Industry									
	020	022	023	044	052, 053	054	080	112	



Sistemas de Bandejas y Soportes. Guía de selección

Cable Tray and Supports System. Selection guide

**Système de Chemins de Câbles
& Supports. Guide des produits.**

Sistemas de Soportes / *Supports Systems* / *Systèmes de Supports*

Soportes Wall Bracket Support Omega SPLUS 	Soportes Techo Ceiling Bracket Support Plafond Omega SPLUS 	Suspensión Channel Suspension Omega SPLUS+ 	Soportes Reforzados Med. Duty Cantilever Support Renforcé RPLUS 	Sop. Muy Reforzados Heavy Duty Cantl. Support Très Renforcé RPLUS 	Distanciadores Stand off Bracket Fixation Réhausse 	Railes y Accesorios Channel&Accessories Rails & Accessoires 	Denominación Ranges Dénomination
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Características / *Features* / Caractéristiques

Acero al carbono / Carbon steel / Acier carbone

Acero al carbono / Carbon steel / Acier carbone							M
							PG EZ BYCRO GC C8 304 316L
							mm mm
100-400	100-400	100-600	100-600	300-600	100-300	41X21 41X21	
						3 M	
-50 °C / +150 °C							
A1 / E90	A1 / E90	A1 / E90	A1 / E90	A1 / E90	A1	A1 / E90	

Homologaciones / *Approvals* / Homologations

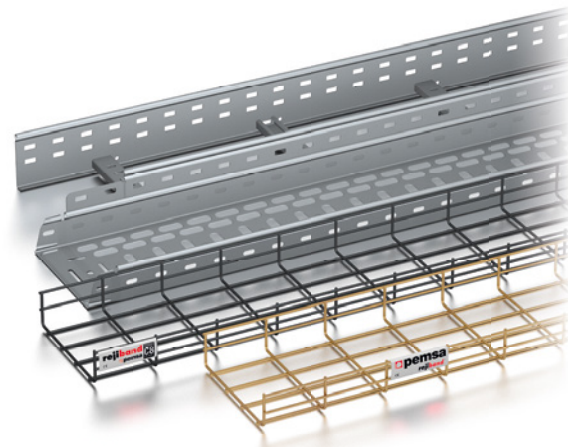
    	    	    	    	   	  	  	
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Aplicaciones / Applications / Applications

Approximations / Approximations							
128	128	142	130	132	042, 140	152	

Montaje / Assembly / Montagem





Acabados de protección para Sistema de Bandejas Portacables

*Protective finishes
for Cable Tray Systems*

*Finition de protection pour
Système de Chemins de Câble*

Acabados según Gama de Bandejas / Range of Tray Finishes / Finitions selon la Gamme de Chemins de Câbles

	reji ^{band} [®]	reji ^{tech} [®]	pemsaband [®]	inducanal [®]	mega ^{band} [®]	pemsaband [®] PQ
						
	±1 016	±1 044	±1 048	±1 055	±1 080	±1 112
PG			•	•		
EZ	•	•			•	
BYCRO (BC)	•	•			•	
GC	•		•	•	•	•
EP	•				•	•
BLACK C8	•					
304	•		•	•	•	
316L	•		•	•	•	

Acabados según clase de resistencia IEC 61537 / Resistance class finishes according to IEC 61537 /
Finitions selon le niveau de résistance IEC 61537

PG	C2												
EZ	C3												
BYCRO (BC)		C5											
GC		C5		C6									
EP			C6										
BLACK C8					C8								
304										C9C			
316L											C9D		
Horas / Hours	100	200	300	400	500	600	700	800	900	1000			

Acabados según aplicación o sector y clase de resistencia / Finishes, by class of resistance, for applications or sectors /
Finitions selon application & niveau de résistance

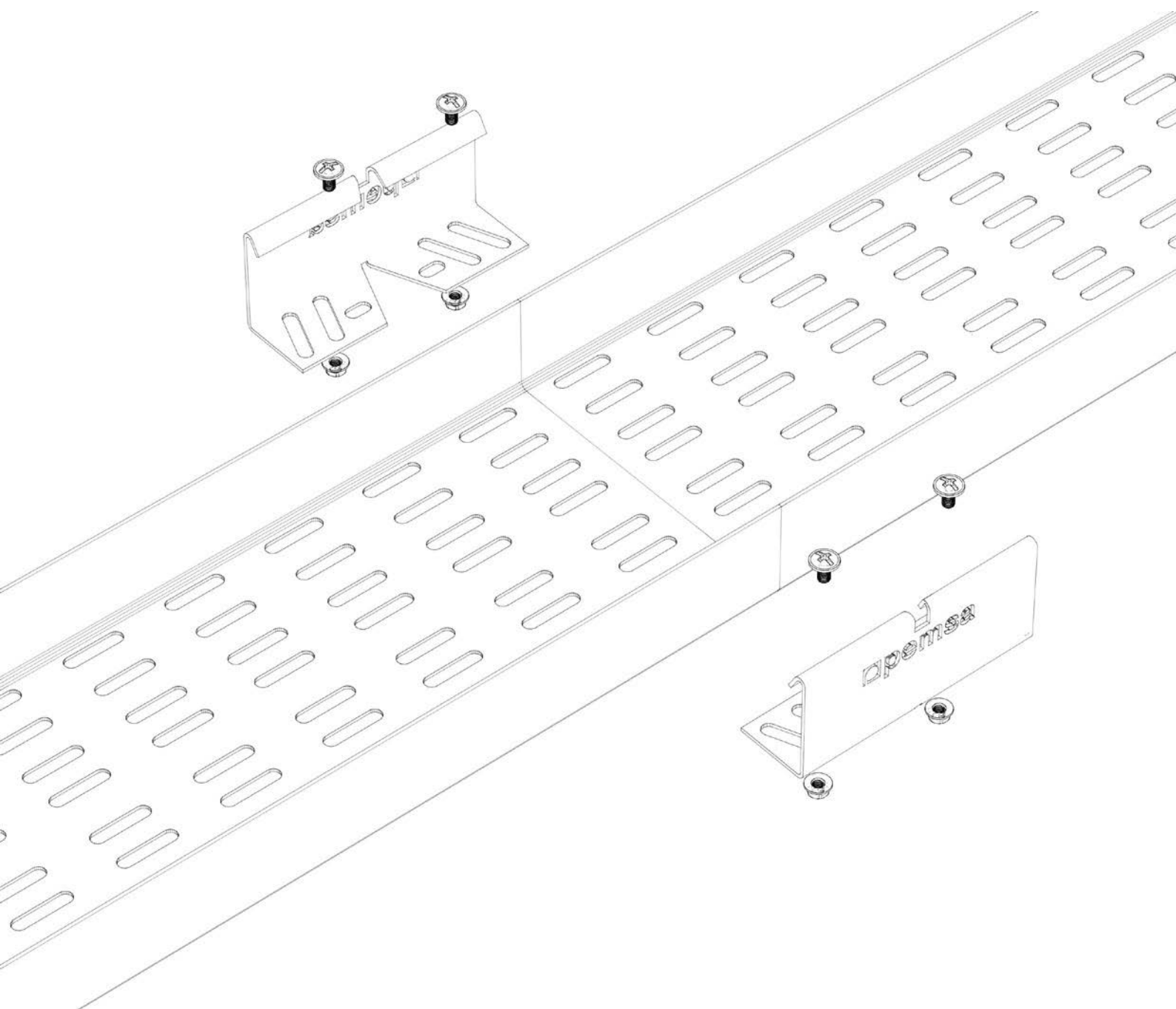
		Class IEC61537	Test H.								
PG	EN 10346	C2	>96	•							
EZ	EN-ISO 2081	C3	>190	•							
BYCRO (BC)	EN-ISO 2081	C5	>450	•	•	•	•	•			
GC	EN-ISO 1461	C5-C7	>450->660	•		•	•	•	•	•	•
EP	—	C7	660	•	•	•	•	•	•	•	•
BLACK C8	EN-ISO 2081	C8	>850	•	•	•	•	•	•	•	•
304	AISI	C9D	>900	•	•	•	•	•	•	•	•
316L	AISI	C9E	>900	•	•	•	•	•	•	•	•

pemsa**band**[®] **PQ**

Bandeja de chapa para aplicaciones industriales

Cable tray for industrial applications

Dalle de chemin de câbles pour applications industrielles





pemsa**band**® PQ

El diseño de Pemsa para la Industria Petroquímica

Pemsa design for the Oil & Gas Industry

Le design de Pemsa pour l'industrie pétrochimique

Ventajas y Características / *Advantages and features* / *Avantages et Caractéristiques*



Homologaciones según especificaciones de CEPSA^(*) y REPSOL^(*)

Approval acc. to the CEPSA^() & REPSOL^(*) specifications*

Aprobations conformes aux spécifications CEPSA^() et REPSOL^(*)*

Galvanizado en Caliente. 85 micras. Clase 8 según IEC 61537

Hot Dip Galvanised. 85 microns. Class 8 acc. to IEC 61537

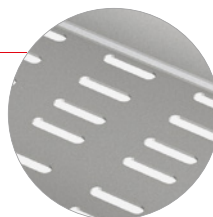
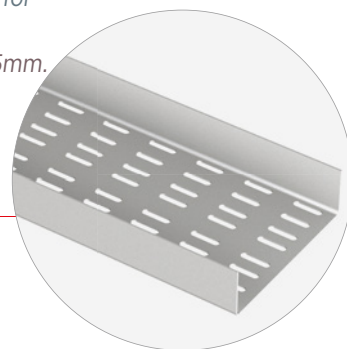
Galvanisation à chaud. 85 microns. Classe 8 selon IEC 61537

GC

Espesores elevados. 2 y 2,5 mm. Grandes Cargas

High thickness. 2.0 and 2.5mm for Heavy Duty Loads

Epaisseurs supérieures, 2 et 2,5mm. Charges lourdes



Múltiples perforaciones. Mejora la fijación de los cables

Multiple perforations. Increases the fixings for the cables

Perforations multiples. Facilite la fixation des cables

(*) CEPSA es una marca registrada propiedad de COMPAÑÍA ESPAÑOLA DE PETROLEOS, S.A.U. REPSOL es una marca registrada propiedad de REPSOL, S.A.

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pemsa^{band}®

PQ

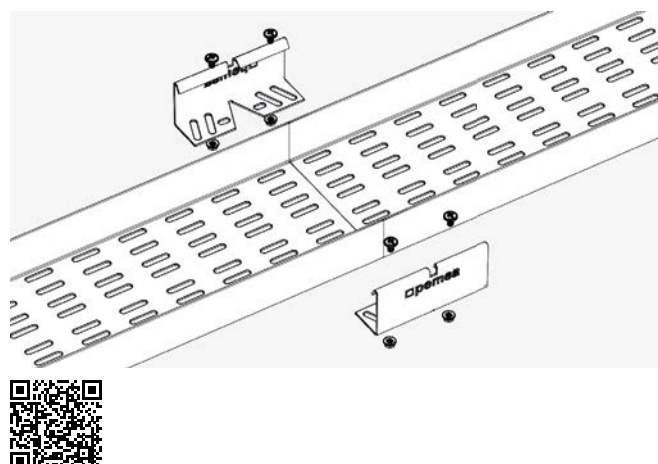
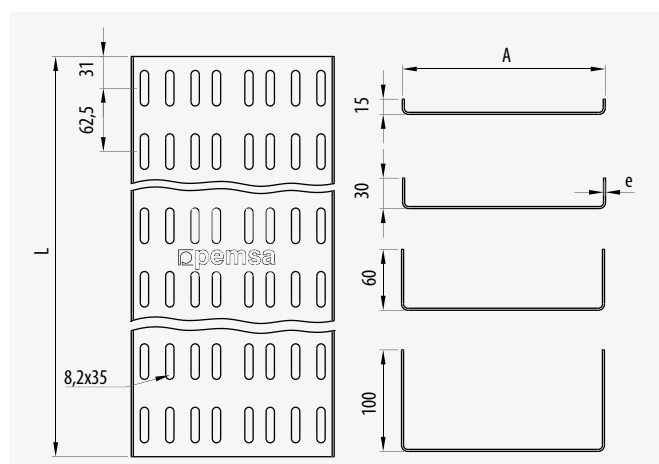
Bandeja de Chapa perforada reforzada

Heavy Duty perforated cable Tray

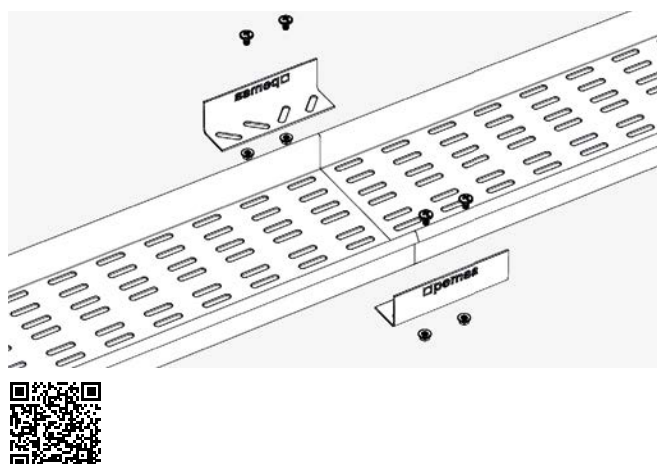
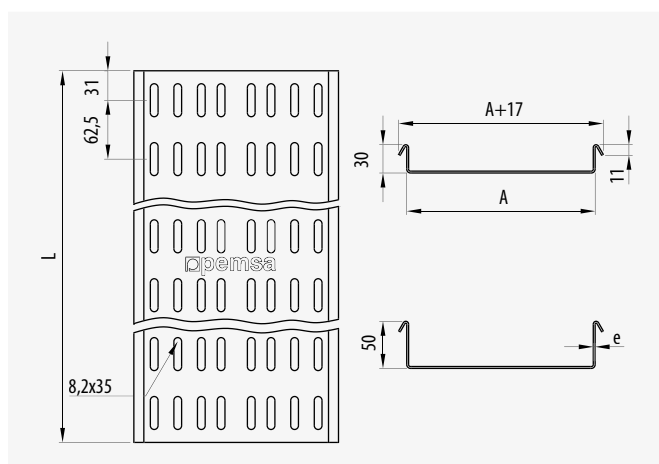
Dalle de chemin de câbles
perforée et renforcée
 15, 30, 50, 60 •  100-600 •  2000-3000


		e (mm)		GC	kg/m	 m
15	100	2	3000	76603010	1,761	3
	150	2	3000	76603015	2,463	3
	200	2	3000	76603020	3,164	3
	300	2	3000	76603030	4,568	3
	50	2	2000	76623005	1,127	2
	100	2	2000	76623010	1,761	2
	150	2	2000	76623015	2,463	2
	200	2	2000	76623020	3,164	2
	300	2	2000	76623030	4,568	2
30	50	2	3000	76603105	1,633	3
	100	2	3000	76603110	2,277	3
	150	2	3000	76603115	2,979	3
	200	2	3000	76603120	3,680	3
	300	2	3000	76603130	5,075	3
	400	2	3000	76603140	6,478	3
	500	2	3000	76603150	8,171	3
	600	2	3000	76603160	9,863	3
50	50	2	3000	76603205	2,281	3
60	100	2	3000	76603210	3,293	3
	150	2	3000	76603215	3,994	3
	200	2	3000	76603220	4,696	3
	300	2	3000	76603230	6,091	3
	400	2	3000	76603240	7,494	3
	500	2	3000	76603250	9,186	3
	600	2	3000	76603260	10,878	3
	300	2,5	3000	76613230	7,546	3
	400	2,5	3000	76613240	9,274	3
	500	2,5	3000	76613250	11,360	3
	600	2,5	3000	76613260	13,444	3

Otras medidas o formatos consultar / Please consult for other sizes / Autre dimensions ou formats, consulter



30	50	30	50	e (mm)	3000	2000	GC	kg/m	m
100	150	200	100	150	200	2000	76643110	2,692	3
100	150	200	100	150	2000	2000	76643115	3,393	3
100	150	200	100	150	2000	2000	76643120	4,095	3
100	150	200	100	150	2000	2000	76663110	2,692	2
100	150	200	100	150	2000	2000	76663115	3,393	2
100	150	200	100	150	2000	2000	76663120	4,095	2
100	150	200	100	150	2000	2000	76663210	3,368	2
100	150	200	100	150	2000	2000	76663215	4,071	2
100	150	200	100	150	2000	2000	76663220	4,772	2
300	400	500	300	400	500	2000	76653130	6,712	3
300	400	500	300	400	500	2000	76653140	8,440	3
300	400	500	300	400	500	2000	76653150	10,526	3
300	400	500	300	400	500	2000	76653160	12,610	3
300	400	500	300	400	500	2000	76673130	6,712	2
300	400	500	300	400	500	2000	76673140	8,441	2
300	400	500	300	400	500	2000	76673150	10,526	2
300	400	500	300	400	500	2000	76673160	12,610	2
100	150	200	300	400	500	2000	76643210	3,368	3
100	150	200	300	400	500	2000	76643215	4,071	3
100	150	200	300	400	500	2000	76643220	4,772	3
100	150	200	300	400	500	2000	76643230	6,176	3
100	150	200	300	400	500	2000	76643240	7,579	3
100	150	200	300	400	500	2000	76643250	9,271	3
100	150	200	300	400	500	2000	76643260	10,963	3
100	150	200	300	400	500	2000	76653230	7,546	3
100	150	200	300	400	500	2000	76653240	9,274	3
100	150	200	300	400	500	2000	76653250	11,361	3
100	150	200	300	400	500	2000	76653260	13,444	3
100	150	200	300	400	500	2000	76673230	7,546	2
100	150	200	300	400	500	2000	76673240	9,274	2
100	150	200	300	400	500	2000	76673250	11,361	2
100	150	200	300	400	500	2000	76673260	13,444	2



Kit Unión
pemsa
pemsa
Joint Kit
Kit d'union
pemsa


	M	Ref	kg/u	u
EZ	M6x12+M6	67010093	0,008	100
GC	M6x12+M6	67030093	0,009	100

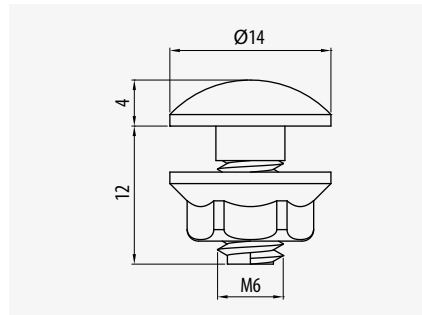
utilizar también:

also use:

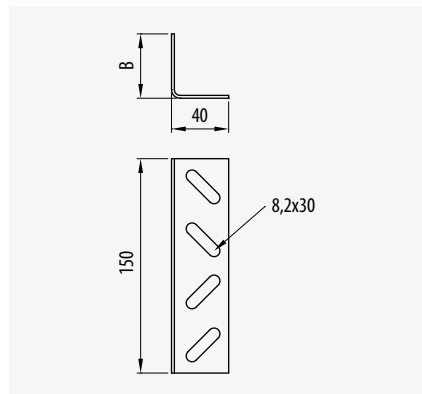
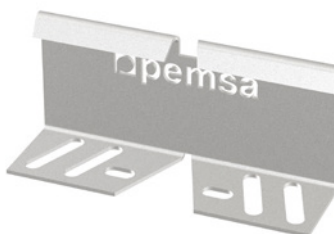
A utiliser également

 166

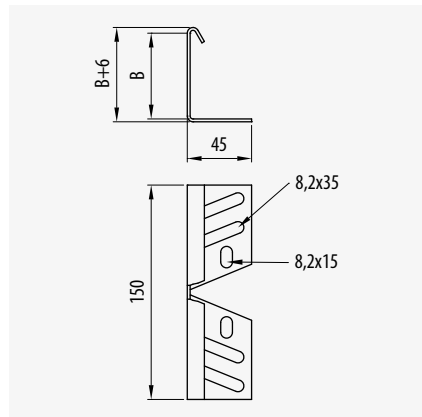
	M	Ref 1	Ref 2	kg/u	u
GC	M6x20+M6	67030100	64030059	0,010	100
	M8x20+M8	67030094	64030059	0,018	100


Unión PQ
PQ Joint
Union PQ

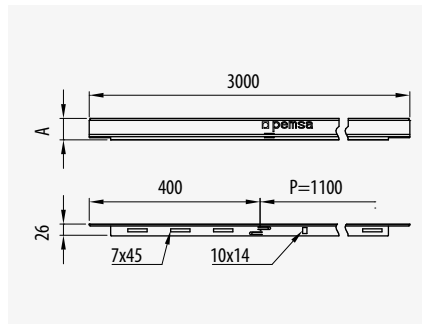

	B	Ref	kg/u	u
GC	15	70293010	0,109	10
	30	70293011	0,133	10
	50/60	70293013	0,185	10
	100	70293014	0,273	10


Unión PQU
PQU Joint
Union PQU


	B	Ref	kg/u	u
GC	15	70293000	0,147	10
	30	70293001	0,177	10
	50	70293002	0,228	10
	60	70293003	0,254	10


Tabique
Separador Click
Click
Divider
Cloison de
séparation
Click

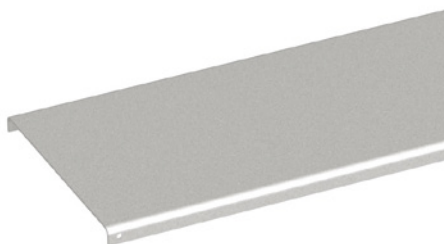

	A	Ref	kg/u	u
PG	35	67020610	0,212	60
	60	67020611	0,312	48
	100	67020612	0,444	36
GC	35	67030610	0,261	60
	60	67030611	0,384	48
	100	67030612	0,541	36
316L	35	67060610	0,207	60
	60	67060611	0,305	48
	100	67060612	0,430	36



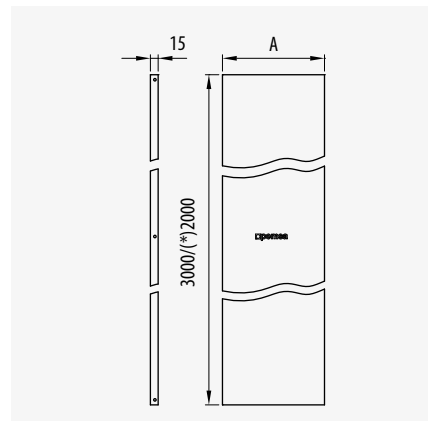
Tapa Recta
PQU

PQU Straight
Cover

Couvercle
droit PQU



	A	L	Ref	kg/m	u
GC	50	3000	70393105	1,154	3
	100	3000	70393110	2,117	3
	150	3000	70393115	2,981	3
	200	3000	70393120	3,826	3
	300	3000	70393130	5,501	3
	400	3000	70393140	7,193	3
	500	3000	70393150	8,885	3
	600	3000	70393160	10,577	3
	50	2000	70393005	1,154	2
	100	2000	70393010	2,117	2
	150	2000	70393015	2,981	2
	200	2000	70393020	3,826	2
GC	300	2000	70393030	5,501	2
	400	2000	70393040	7,193	2
	500	2000	70393050	8,885	2
	600	2000	70393060	10,577	2



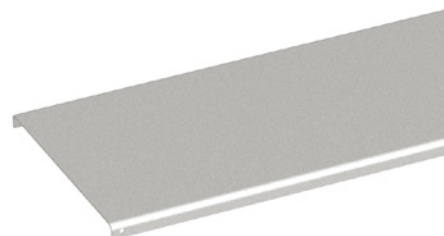
Espesor / Thickness / Épaisseur = 2 mm



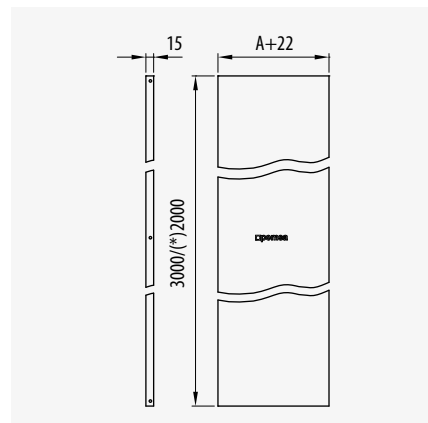
Tapa Recta
PQW

PQW Straight
Cover

Couvercle
droit PQW



	A	L	Ref	kg/m	u
GC	100	3000	70393310	2,388	3
	150	3000	70393315	3,267	3
	200	3000	70393320	4,113	3
	300	3000	70393330	5,805	3
	400	3000	70393340	7,497	3
	500	3000	70393350	9,191	3
	600	3000	70393360	10,882	3
	100	2000	70393210	2,388	2
	150	2000	70393215	3,267	2
	200	2000	70393220	4,113	2
	300	2000	70393230	5,805	2
	400	2000	70393240	7,497	2
GC	500	2000	70393250	9,191	2
	600	2000	70393260	10,882	2



Espesor / Thickness / Épaisseur = 2 mm



SOLUTIONS

Petro-
química

Oil & Gas

Pétrochimie

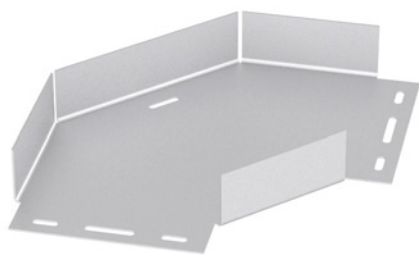
pemsaband® PQ

GC

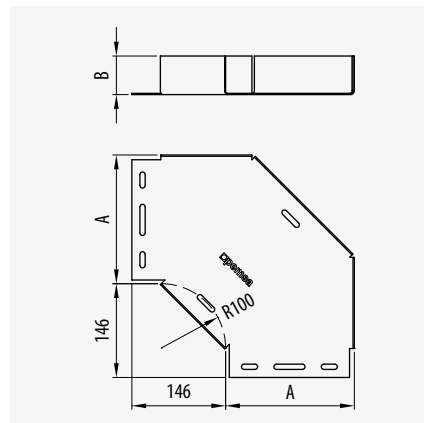


Curva 90° PQ

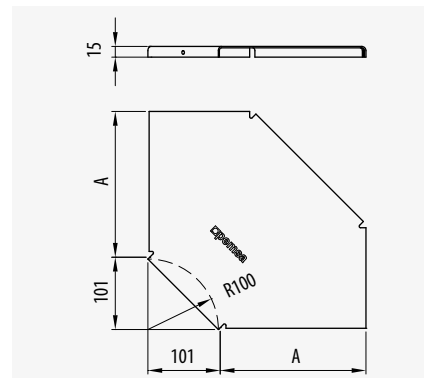
90° PQ Bend

Courbe
90° PQ
 •  15-30-50-60 •  100-600

	B	A	Ref	kg/u	 u
GC	15	100	70203010	0,691	1
	15	150	70203015	1,088	1
	15	200	70203020	1,605	1
	15	300	70203030	2,721	1
	30	100	70203110	0,808	1
	30	150	70203115	1,228	1
	30	200	70203120	1,767	1
	30	300	70203130	2,924	1
	30	400	70203140	4,394	1
	30	500	70203150	6,169	1
	30	600	70203160	8,198	1
	50	100	70203210	0,966	1
	50	150	70203215	1,413	1
	50	200	70203220	1,984	1
	50	300	70203230	3,193	1
	50	400	70203240	4,721	1
	50	500	70203250	6,551	1
	50	600	70203260	8,636	1
	60	100	70203310	1,044	1
	60	150	70203315	1,506	1
	60	200	70203320	2,097	1
	60	300	70203330	3,328	1
	60	400	70203340	4,883	1
	60	500	70203350	6,742	1
	60	600	70203360	8,855	1

Tapa Curva
90° PQ90° PQ Bend
CoverCouvercle
90° PQ
 •  35-60-85-100 •  100-400

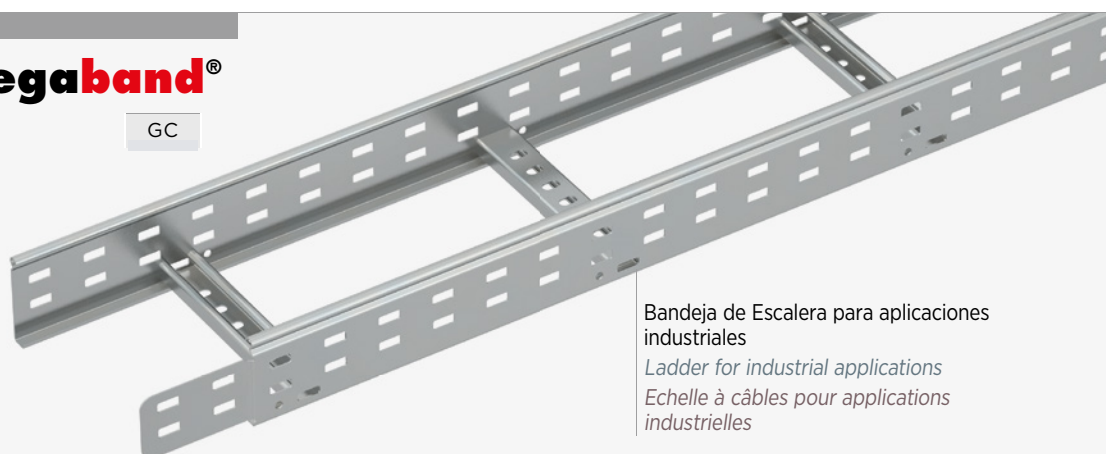
	A	Ref	kg/u	 u
GC	100	70303010	1,717	1
	150	70303015	1,717	1
	200	70303020	2,983	1
	300	70303030	4,655	1
	400	70303040	6,327	1



IDEA

megaband®

GC

Bandeja de Escalera para aplicaciones
industriales

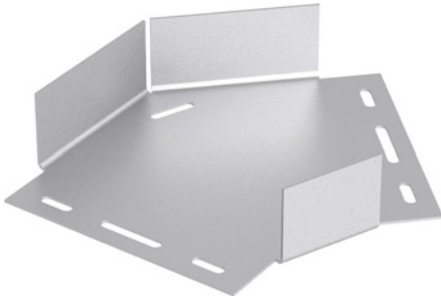
Ladder for industrial applications

Echelle à câbles pour applications
industrielles

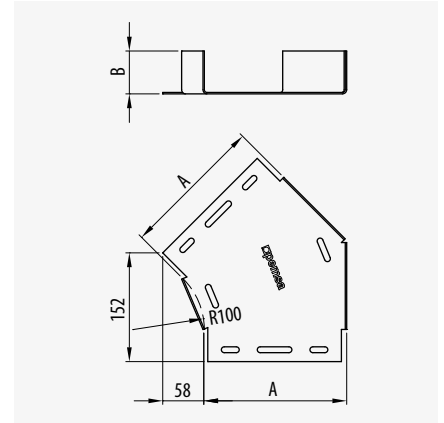
Curva 45° PQ

45° PQ Bend

Courbe
45° PQ



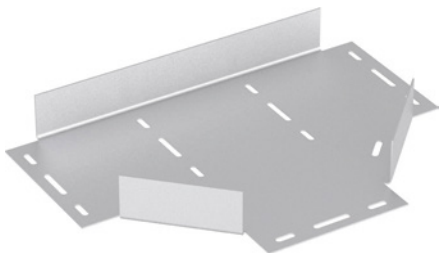
	B	A	Ref	kg/u	u
GC	15	100	70213010	0,388	1
	15	150	70213015	0,622	1
	15	200	70213020	0,898	1
	15	300	70213030	1,552	1
	30	100	70213110	0,448	1
	30	150	70213115	0,693	1
	30	200	70213120	0,979	1
	30	300	70213130	1,654	1
	30	400	70213140	2,452	1
	30	500	70213150	3,421	1
	30	600	70213160	4,504	1
	50	100	70213210	0,528	1
	50	150	70213215	0,787	1
	50	200	70213220	1,087	1
	50	300	70213230	1,791	1
	50	400	70213240	2,616	1
	50	500	70213250	3,614	1
	50	600	70213260	4,725	1
	60	100	70213310	0,568	1
	60	150	70213315	0,834	1
	60	200	70213320	1,141	1
	60	300	70213330	1,858	1
	60	400	70213340	2,698	1
	60	500	70213350	3,711	1
	60	600	70213360	4,835	1



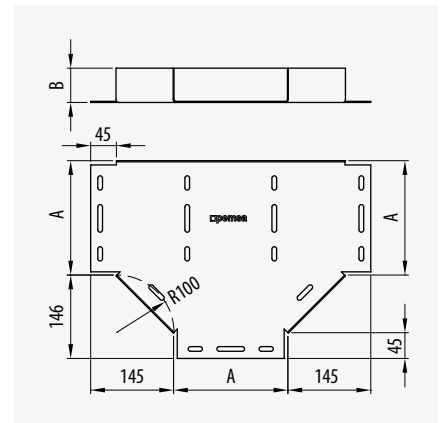
Derivacion
T PQ

PQ Tee

Dérivation
T PQ

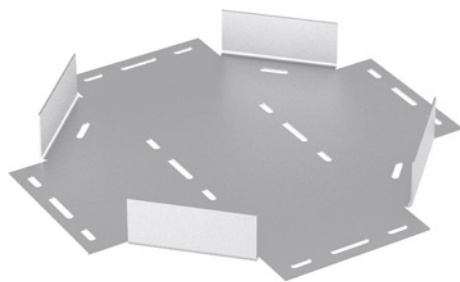


	B	A	Ref	kg/u	u
GC	15	100	70223010	1,121	1
	15	150	70223015	1,686	1
	15	200	70223020	2,345	1
	15	300	70223030	3,913	1
	30	100	70223110	1,268	1
	30	150	70223115	1,847	1
	30	200	70223120	2,519	1
	30	300	70223130	4,112	1
	30	400	70223140	5,979	1
	30	500	70223150	8,285	1
	30	600	70223160	10,849	1
	50	100	70223210	1,466	1
	50	150	70223215	2,062	1
	50	200	70223220	2,751	1
	50	300	70223230	4,378	1
	50	400	70223240	6,278	1
	50	500	70223250	8,618	1
	50	600	70223260	11,216	1
	60	100	70223310	1,564	1
	60	150	70223315	2,169	1
	60	200	70223320	2,866	1
	60	300	70223330	4,511	1
	60	400	70223340	6,428	1
	60	500	70223350	8,784	1
	60	600	70223360	11,401	1

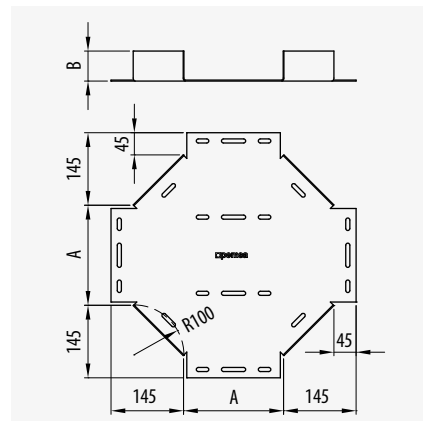
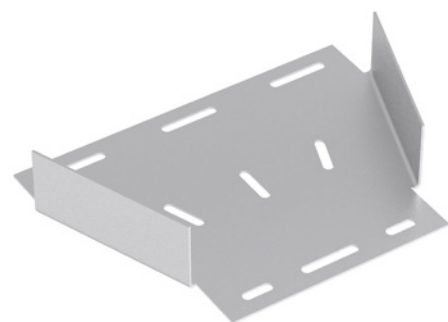


Cruce PQ

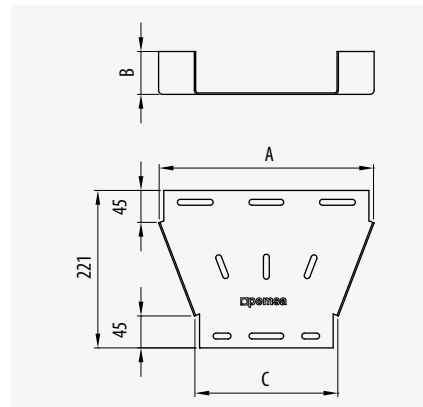
PQ Crossover

Croisement
PQ
 15-30-50-60 •  100-600

	B	A	Ref	kg/u	
GC	15	100	70233010	1,505	1
	15	150	70233015	2,179	1
	15	200	70233020	2,951	1
	15	300	70233030	4,738	1
	30	100	70233110	1,649	1
	30	150	70233115	2,322	1
	30	200	70233120	3,094	1
	30	300	70233130	4,882	1
	30	400	70233140	6,936	1
	30	500	70233150	9,444	1
	30	600	70233160	12,196	1
	50	100	70233210	1,841	1
	50	150	70233215	2,514	1
	50	200	70233220	3,286	1
	50	300	70233230	5,073	1
	50	400	70233240	7,128	1
	50	500	70233250	9,635	1
	50	600	70233260	12,387	1
	60	100	70233310	1,936	1
	60	150	70233315	2,611	1
	60	200	70233320	3,381	1
	60	300	70233330	5,169	1
	60	400	70233340	7,224	1
	60	500	70233350	9,731	1
	60	600	70233360	12,483	1

Reducción
Central PQPQ Equal
ReducerRéduction
centrale PQ
 15-30-50-60 •  300-600

	B	A	C	Ref	kg/u	
GC	15	300	200	70263030	0,928	1
	30	300	200	70263130	1,001	1
	30	400	300	70263140	1,357	1
	30	500	400	70263150	1,721	1
	30	600	500	70263160	2,083	1
	50	300	200	70263230	1,096	1
	50	400	300	70263240	1,452	1
	50	500	400	70263250	1,816	1
	50	600	500	70263260	2,179	1
	60	300	200	70263330	1,144	1
	60	400	300	70263340	1,501	1
	60	500	400	70263350	1,864	1
	60	600	500	70263360	2,227	1



IDEA

Prensaestopas
IndustrialesIndustrial
Cable
GlandsPresse-
étoupe
industriels

HSK-M



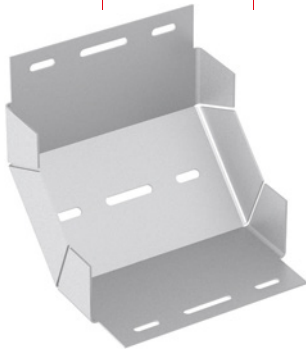
223



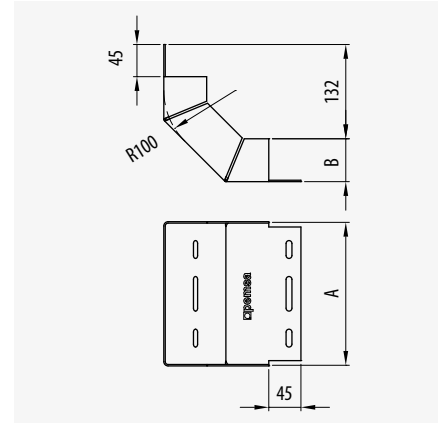
Cambio de Nivel CNC PQ

PQ Inside Riser

Change-ment de niveau CNC PQ



	B	A	Ref	kg/u	u
GC	15	100	70243010	0,451	1
	15	150	70243015	0,651	1
	15	200	70243020	0,865	1
	15	300	70243030	1,279	1
	30	100	70243110	0,577	1
	30	150	70243115	0,798	1
	30	200	70243120	1,035	1
	30	300	70243130	1,491	1
	30	400	70243140	1,927	1
	30	500	70243150	2,404	1
	30	600	70243160	2,841	1
	50	100	70243210	0,767	1
	50	150	70243215	1,016	1
	50	200	70243220	1,281	1
	50	300	70243230	1,793	1
	50	400	70243240	2,286	1
	50	500	70243250	2,818	1
	50	600	70243260	3,311	1
	60	100	70243310	0,871	1
	60	150	70243315	1,133	1
	60	200	70243320	1,412	1
	60	300	70243330	1,951	1
	60	400	70243340	2,472	1
	60	500	70243350	3,033	1
	60	600	70243360	3,553	1



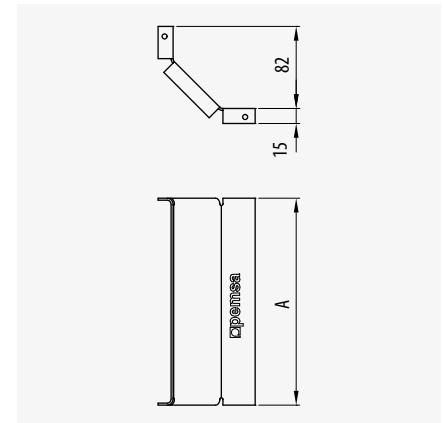
Tapa CNC PQ

PQ Inside Riser Cover

Couvercle CNC PQ



	A	Ref	kg/u	u
GC	100	70343010	1,778	1
	200	70343020	3,213	1
	300	70343030	3,931	1
	400	70343040	4,649	1



Alta Resistencia. Instalaciones Industriales
High Resistance. Industrial Installations
Haute résistance. Installations industrielles.



rejabat®

IDEA



GC 304 316L

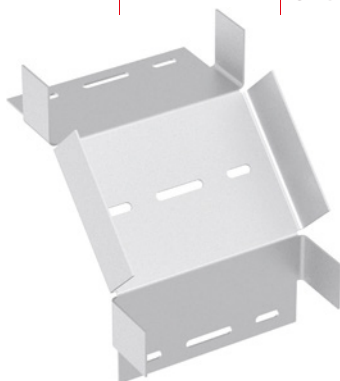


020

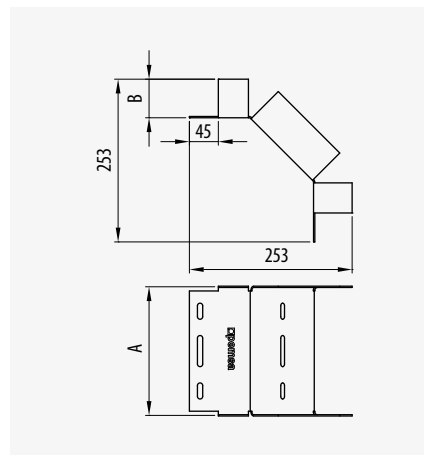
Cambio de
Nivel CNV PQ

PQ Outside
Riser

Change-
Ment de
niveau
CNV PQ



	B	A	Ref	kg/u	u
GC	15	100	70253010	0,757	1
	15	150	70253015	1,082	1
	15	200	70253020	1,421	1
	15	300	70253030	2,084	1
	30	100	70253110	0,848	1
	30	150	70253115	1,151	1
	30	200	70253120	1,471	1
	30	300	70253130	2,091	1
	30	400	70253140	2,692	1
	30	500	70253150	3,333	1
	30	600	70253160	3,934	1
	50	100	70253210	0,928	1
	50	150	70253215	1,203	1
	50	200	70253220	1,494	1
	50	300	70253230	2,058	1
	50	400	70253240	2,604	1
	50	500	70253250	3,189	1
	50	600	70253260	3,734	1
	60	100	70253310	0,951	1
	60	150	70253315	1,212	1
	60	200	70253320	1,489	1
	60	300	70253330	2,025	1
	60	400	70253340	2,542	1
	60	500	70253350	3,099	1
	60	600	70253360	3,615	1



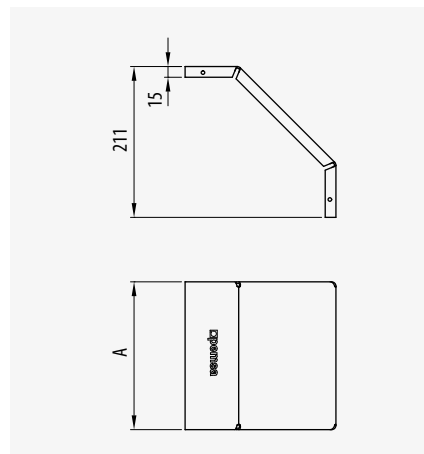
Tapa
CNV PQ

PQ Outside
Riser Cover

Couvercle
CNV PQ



	A	Ref	kg/u	u
GC	100	70353010	1,596	1
	150	70353015	1,596	1
	200	70353020	2,879	1
	300	70353030	4,162	1
	400	70353040	5,445	1



Metal RAL - RINOX

AL

304

Tubos Aluminio e Inoxidable
Stainless Steel and Aluminium Conduits
Conduits en Aluminium et Inox

Alta Resistencia a la corrosión
High Corrosion Resistance
Haute résistance à la corrosion



cod. 4456

190-192

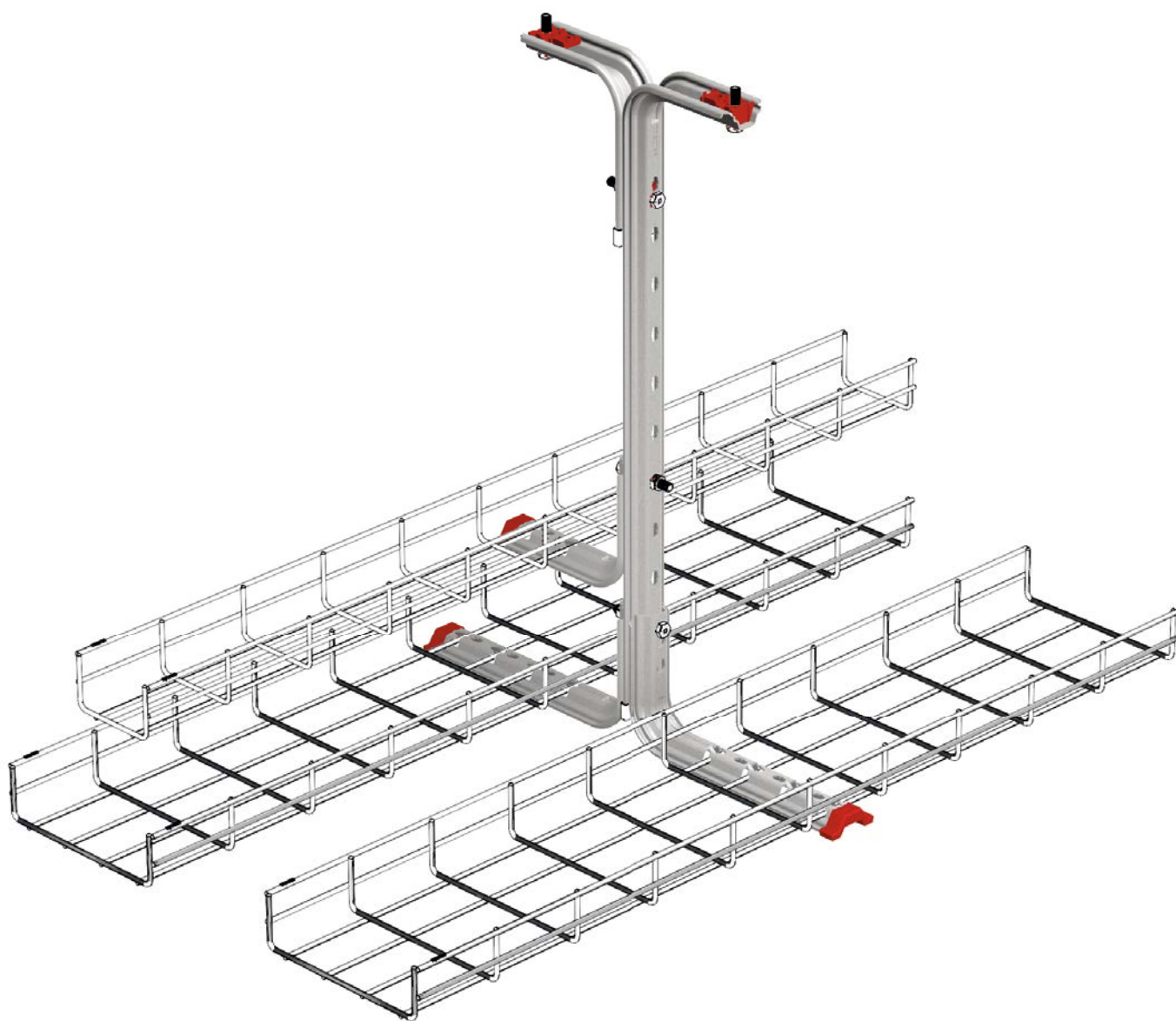


Support System

Gama de soportes, railes y estructuras

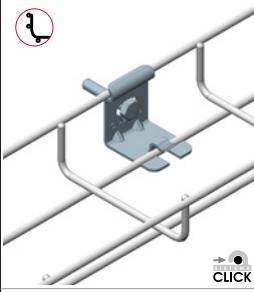
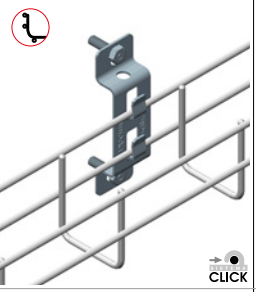
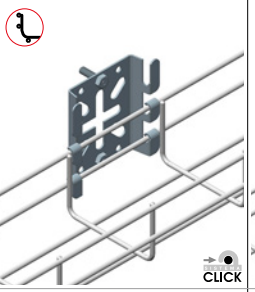
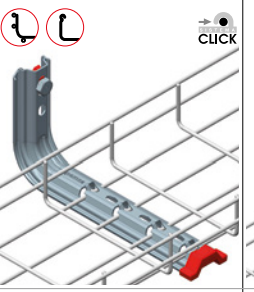
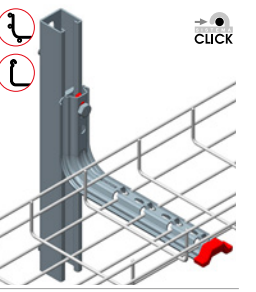
Supports, channels and structures range

Gamme de suportage, rails & structures

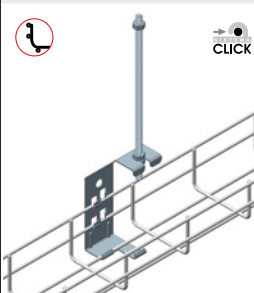
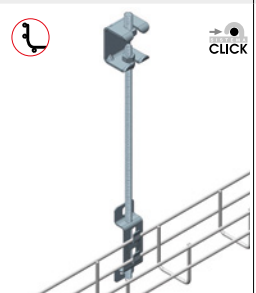
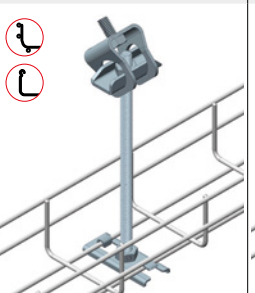
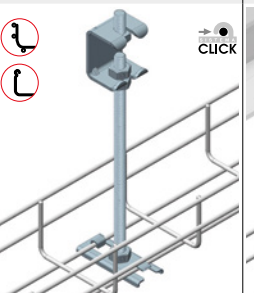
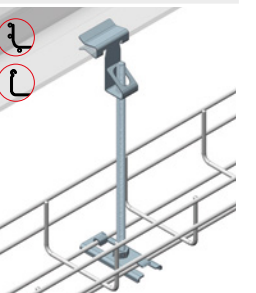


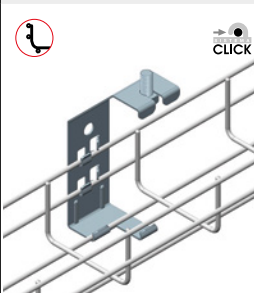
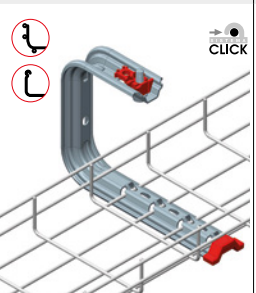
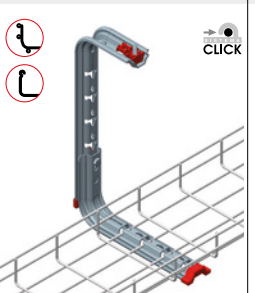
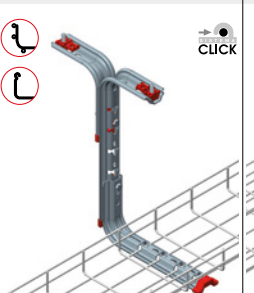
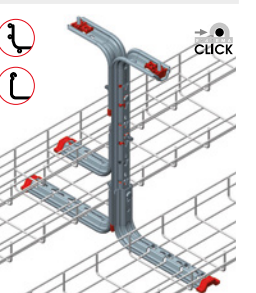
Información Técnica / Technical Information / Informations Techniques

Montaje en pared / Wall assembly / Montage Mural

Horizontal / Horizontal / Horizontal					
A				UNIVERSAL	UNIVERSAL
					
	15 kg	25 kg	50 kg	28 / 60 kg	28 / 60 kg
	 134	 134	 136	 128	 128
A Carga admisible / Admissible load / Charge admissible				Sistema Universal. Compatible con todas las bandejas Universal System. Compatible for all cable trays Système Universel. compatible les chemins de cables	

Montaje en techo / Fitting to ceiling / Montage Plafond

Con varilla roscada / With threaded rods / Avec tige fileté					
A					
					
	10 kg	25 kg	85 kg	85 kg	65 kg
	 134	 134	 148	 148	 150
Más facilidad en el tendido de cables Improved ease of cabling Facilité pour la mise en place les câbles					

Sistema Omega / Omega System / Sistema Omega					
1 2 2'				UNIVERSAL	UNIVERSAL
					
	10 kg	18 / 30 kg	200 kg	330 kg	330 kg
	 134	 128	 144	 144	 144
	-	-	7 kg x m	40 kg x m	40 kg x m
	-	-	6 kg x m	15 kg x m	15 kg x m

1 Valores obtenidos según norma UNE-EN 61537 con un coeficiente de seguridad del 170% sin alcanzar en ningún caso el colapso. Garantizados únicamente para nuestros soportes Omega con tope de seguridad y Soportes reforzados con refuerzo estructural Pemsas.

Values obtained from test according to the IEC-61537 with a safety coefficient of 170% without ever reaching the collapse point. Guaranteed only for our hanger with security plug and supports reinforced with the PEMSA structural reinforcement.

Valeurs obtenue, selon la norme IEC-61537, avec un coefficient de sécurité de 170% sans aucun affaissement. Garantie uniquement par nos support Omega, avec top de sécurité. Support renforcé à renfort structuré Pemsas.

2 Valores obtenidos según norma UNE-EN 61537 (Anexo H) relativo a la información para para una instalación segura de elementos bajantes con soportes horizontales. Para mayor información, rogamos consulten con Pemsas.

Values obtained in accordance with International Standard UNE-EN 61537 (Section H) relating to the information for safe installation of trays with horizontal supports. For further information please contact PEMSA.

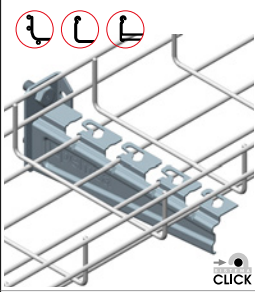
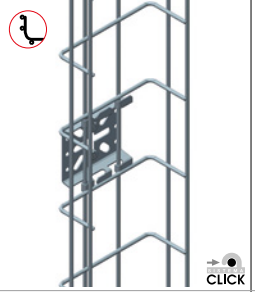
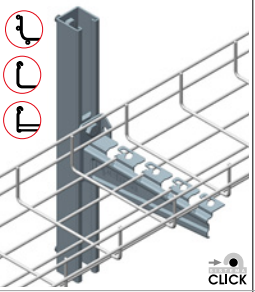
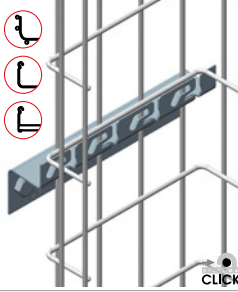
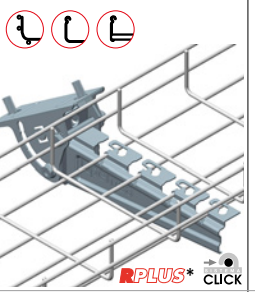
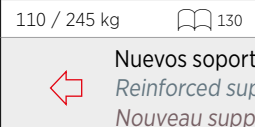
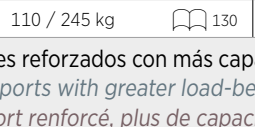
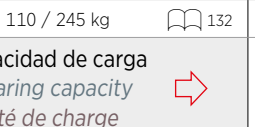
* Bending moment 1: Resulting bending moment on ceiling plane.

** Bending moment 2: Resulting bending moment from cantilever bracket.

Valeurs obtenue selon la norme UNE-EN 61537 (Annexe H) sur les informations pour une installation fiable des éléments descendants avec supports horizontaux. Pour plus d'informations consulter avec Pemsas.

Información Técnica / Technical Information / Informations Techniques

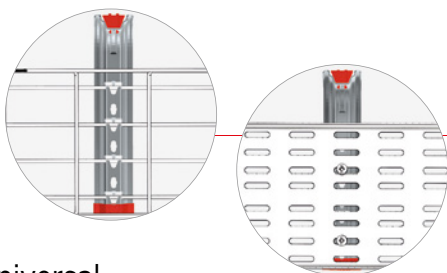
Montaje en pared / Wall assembly / Montage mural

Horizontal / Horizontal / Horizontal			Vertical / Vertical / Vertical		
UNIVERSAL			UNIVERSAL		
					
110 / 245 kg	130		50 kg	136	
					
110 / 245 kg	130		56 kg	140	
					
110 / 245 kg	132				
					
					
					



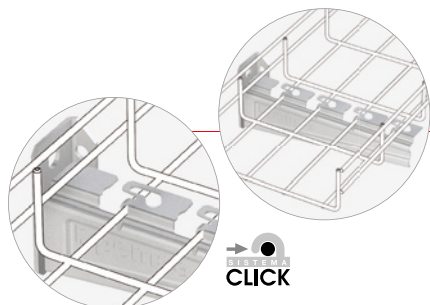
Gama de Soportes, railes y estructuras
Supports, Channels and structures range
 Gamme de supports, rails & structures

Ventajas y Características / *Advantages and features* / *Vantagens e Características*



Universal

Compatible para todas las bandejas
Compatible with all of the cable trays
 Compatible avec toutes les dalles



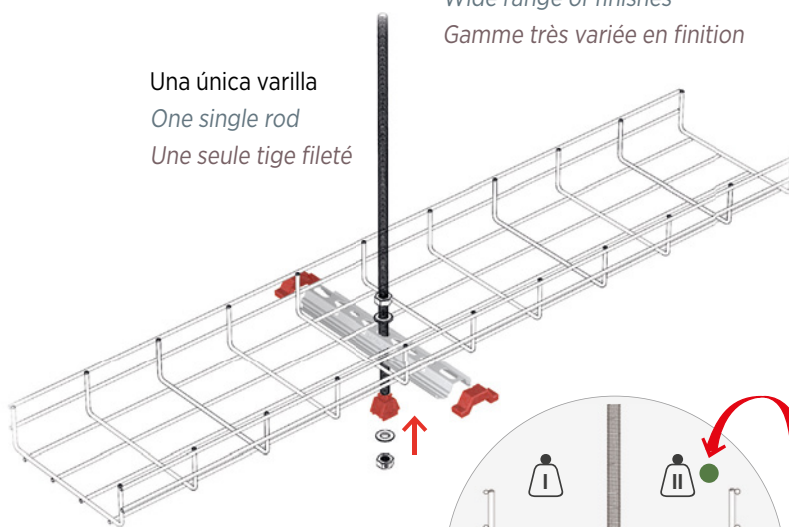
CLICK

Sistema Click. Sin fijaciones
Click System. No fixings required
 Système Click Sans fixation

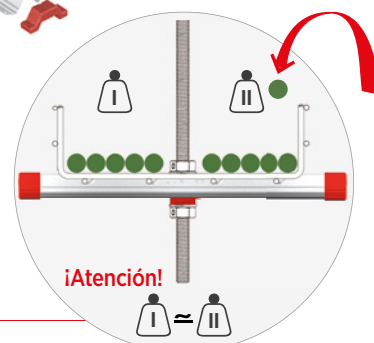
PG	GC	C8	304	316L
----	----	----	-----	------

Amplia gama de acabados
Wide range of finishes
 Gamme très variée en finition

Una única varilla
One single rod
 Une seule tige filetée



Instalación lateral del cable
Installation of cables from the side
 Installation latérale du câble



¡Atención!

Novedades News Nouveautés

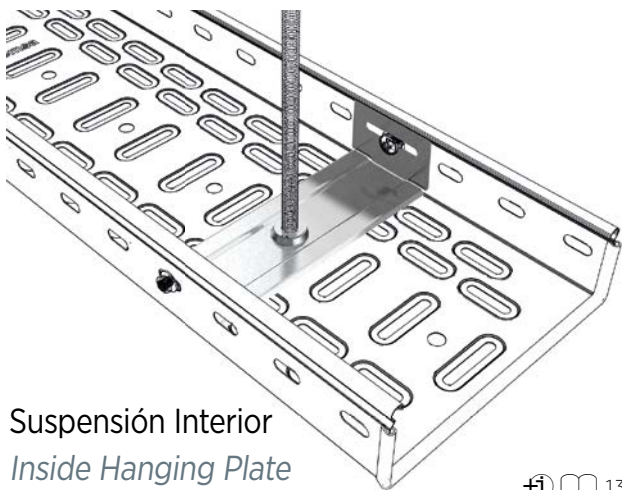
NEW



**BLACK
C8**
IEC 61537

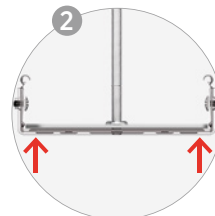
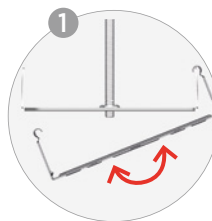
Gama completa Alta resistencia
Full Range High resistance
Gamme complète Haute Résistance

NEW



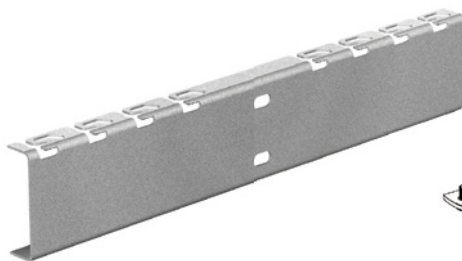
Suspensión Interior
Inside Hanging Plate
Suspension Intérieur

136

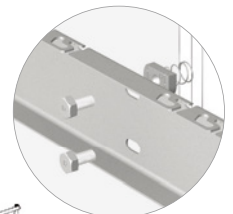
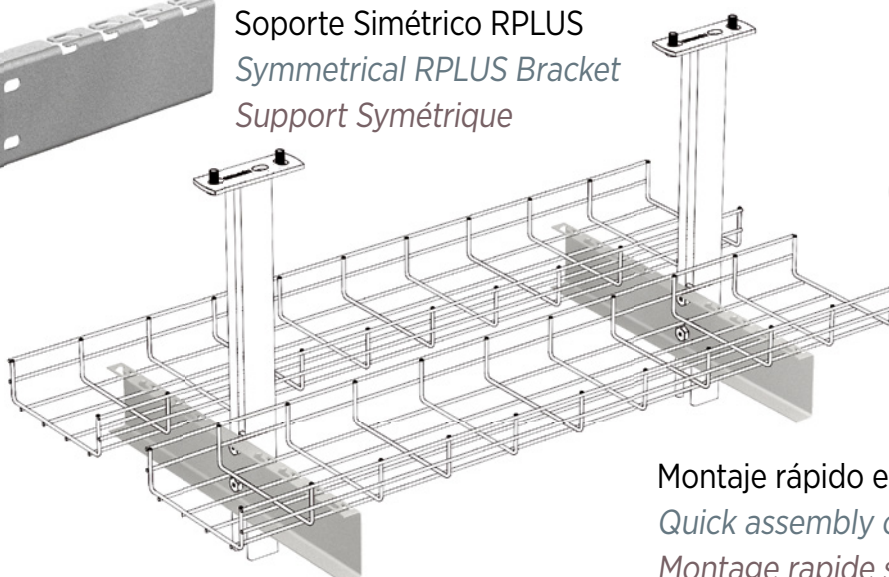


Sistema Oculto.
El soporte queda dentro de la bandeja
Hidden System.
The support is installed inside the cable tray
Système Caché.
Le support reste à l'intérieur de la dalle

NEW



Soporte Simétrico RPLUS
Symmetrical RPLUS Bracket
Support Symétrique

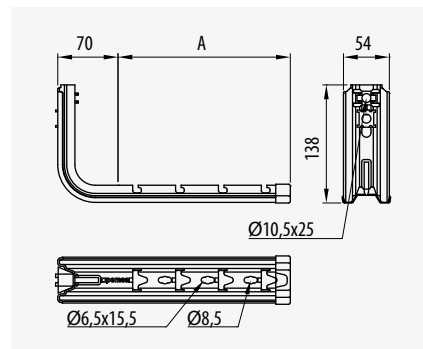


Montaje rápido en péndulos
Quick assembly on pendants
Montage rapide sur pendants

146


**Soporte
Omega
SPLUS**
**Omega
SPLUS
Bracket**
**Support
Omega**


100-400				
	A	Ref	kg/u	u
PG	100	62021104	0,248	5
	150	62021154	0,275	5
	200	62021204	0,451	5
	300	62021304	0,572	5
	400	62021404	0,693	5
GC	100	62031104	0,256	5
	150	62031154	0,284	5
	200	62031204	0,462	5
	300	62031304	0,586	5
	400	62031404	0,711	5
C8	100	62081104	0,257	5
	150	62081154	0,286	5
	200	62081204	0,451	5
	300	62081304	0,566	5
	400	62081404	0,681	5
304	100	62051104	0,254	5
	150	62051154	0,283	5
	200	62051204	0,446	5
	300	62051304	0,561	5
	400	62051404	0,674	5
316L	100	62061104	0,254	5
	150	62061154	0,283	5
	200	62061204	0,446	5
	300	62061304	0,561	5
	400	62061404	0,674	5

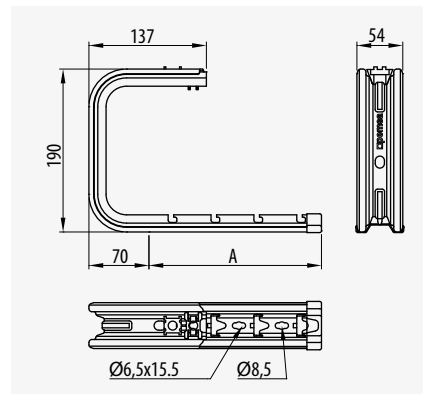


↓CTA↓ (kg)	100	150	200	300	400
kg	60	60	60	38	28

 NO **reijband**® 60x60

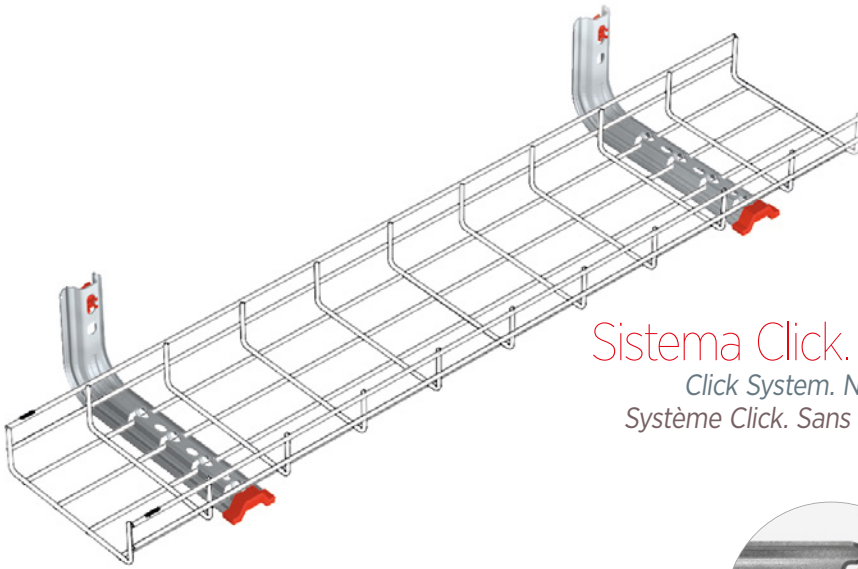
**Soporte
Techo Omega
SPLUS**
**Omega
SPLUS Ceiling
Bracket**
**Support
Omega
Plus**


100-400				
	A	Ref	kg/u	u
PG	100	62022104	0,391	4
	150	62022154	0,557	4
	200	62022204	0,642	4
	300	62022304	0,763	4
	400	62022404	0,887	4
GC	100	62032104	0,404	4
	150	62032154	0,571	4
	200	62032204	0,658	4
	300	62032304	0,782	4
	400	62032404	0,906	4
C8	100	62082104	0,408	4
	150	62082154	0,432	4
	200	62082204	0,651	4
	300	62082304	0,765	4
	400	62082404	0,881	4
304	100	62052104	0,403	4
	150	62052154	0,427	4
	200	62052204	0,643	4
	300	62052304	0,757	4
	400	62052404	0,871	4
316L	100	62062104	0,403	4
	150	62062154	0,427	4
	200	62062204	0,643	4
	300	62062304	0,757	4
	400	62062404	0,871	4



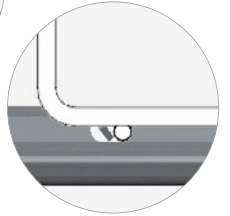
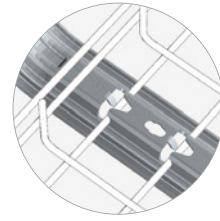
↓CTA↓ (kg)	100	150	200	300	400
kg	33	36	29	25	18

 NO **reijband**® 60x60

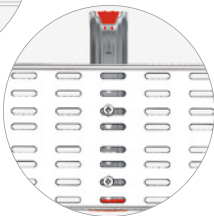
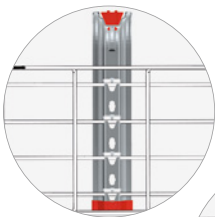
Sistema Click. Sin fijaciones

Click System. No additional fixings.
Système Click. Sans fixations



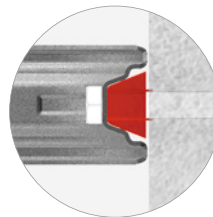
Universal Compatible para todas las bandejas

Compatible with all of the cable trays
Compatible pour toutes les dalles



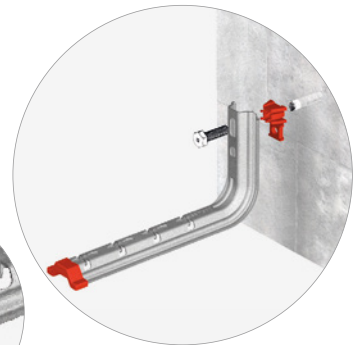
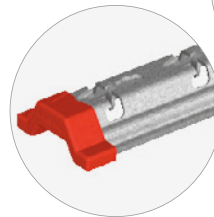
Seguridad. Mejoran la instalación!!

Security. Improves the installation
Plus Sécurisant. Pour améliorer l'installation



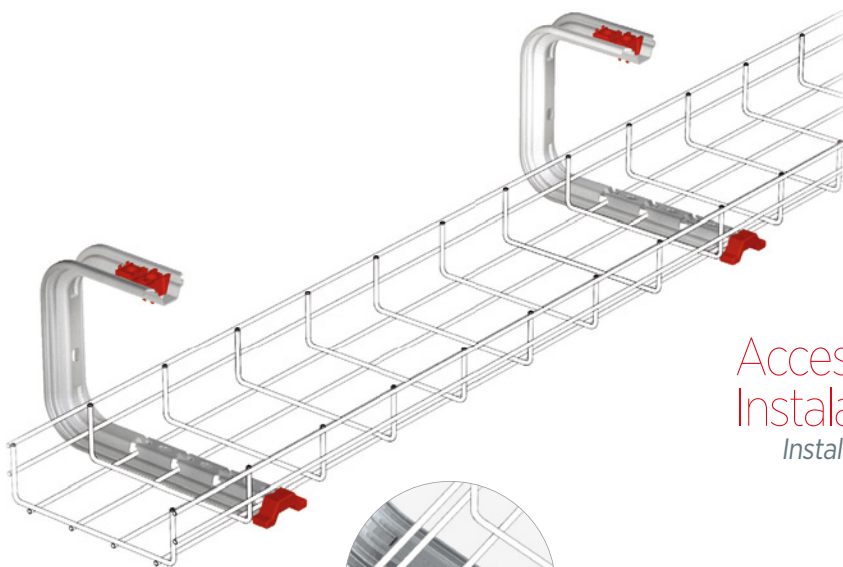
Tope

Plug
Embout de Protection



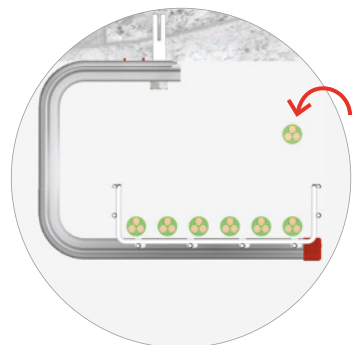
Protector

Protector
Protection



Accesible. Instalación lateral del cable

Installation of cables from the side
Installation latéral du câble



Sistema Click. Sin fijaciones

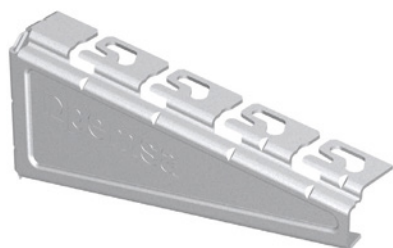
Click System. No additional fixings.
Système Click. Sans fixation



Soporte
Reforzado
RPLUS

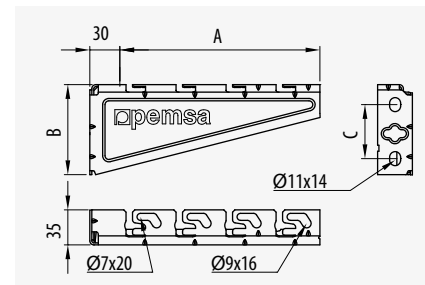
Medium Duty
Cantilever
RPLUS

Support
Renforcé
RPLUS



100-600						
	A	B	C	Ref	kg/u	u
PG	100	90	54	62025103	0,178	4
	150	90	54	62025153	0,237	4
	200	90	54	62025203	0,384	4
	300	90	54	62025303	0,536	4
	400	126	92	62025403	0,765	4
	500	126	92	62025503	0,934	4
	600	126	92	62025603	1,097	4

NO **reliBand**® 60x60



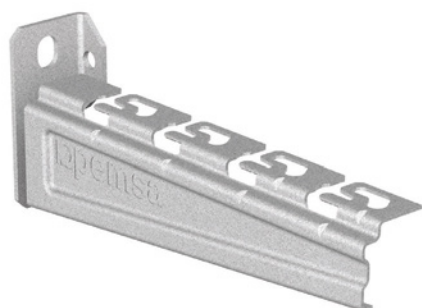
↓CTA↓ (kg)	A	kg
	100	210
	150	170
	200	180
	300	140
	400	180
	500	90
	600	120



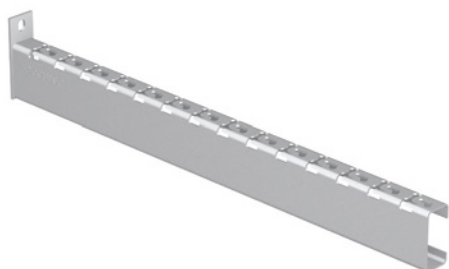
Soporte
Reforzado
RPLUS

Medium Duty
Cantilever
RPLUS

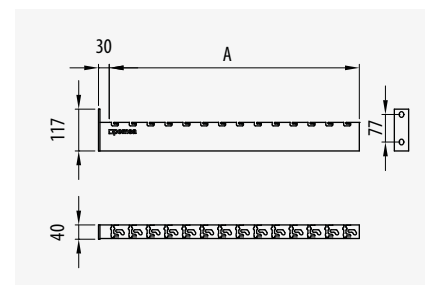
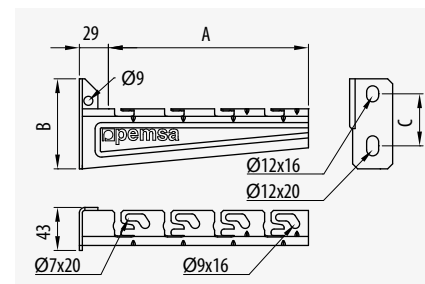
Support
Renforcé
RPLUS



Sistema Click no disponible en 304 y 316L
SS Medium Duty Cantilevers are available in Click
Système Click non disponible en 304 & 316L

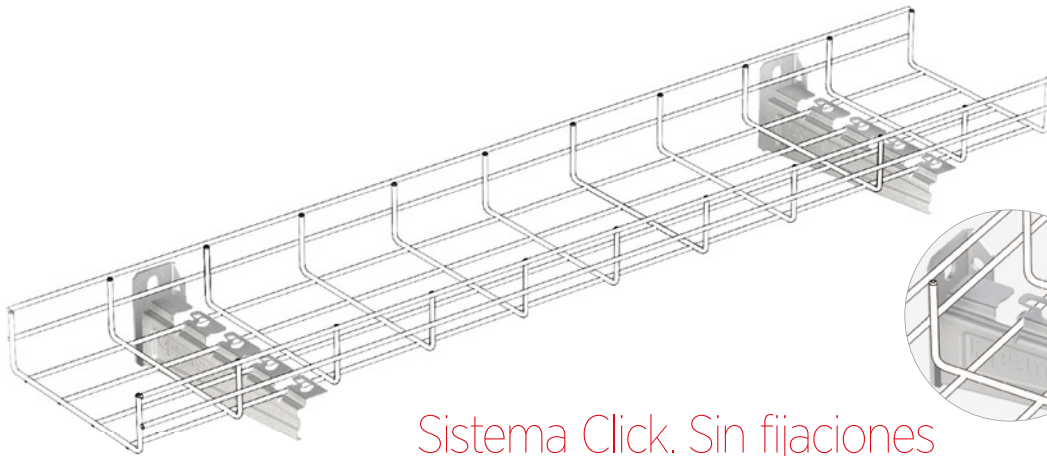


100-1000						
	A	B	C	Ref	kg/u	u
GC	100	90	52	62035103	0,232	4
	150	90	52	62035153	0,288	4
	200	90	52	62035203	0,331	4
	300	90	52	62035303	0,425	4
	400	117	79	62035403	0,778	4
	500	117	79	62035503	0,928	4
	600	117	79	62035603	1,074	4
	700	117	77	62035703	2,449	4
	750	117	77	62035753	2,611	4
	800	117	77	62035803	2,765	4
C8	900	117	77	62035903	3,082	4
	1000	117	77	62035993	3,398	4
	100	90	52	62085103	0,221	4
	150	90	52	62085153	0,272	4
	200	90	52	62085203	0,311	4
	300	90	52	62085303	0,401	4
	400	117	79	62085403	0,741	4
	500	117	79	62085503	0,883	4
	600	117	79	62085603	1,021	4
	100	90	52	62055103	0,197	4
304	150	90	52	62055153	0,246	4
	200	90	52	62055203	0,292	4
	300	90	52	62055303	0,386	4
	400	117	79	62055403	0,721	4
	500	117	79	62055503	0,866	4
	600	117	79	62055603	1,011	4
316L	100	90	52	62065103	0,197	4
	150	90	52	62065153	0,246	4
	200	90	52	62065203	0,292	4
	300	90	52	62065303	0,386	4
	400	117	79	62065403	0,721	4
	500	117	79	62065503	0,866	4
	600	117	79	62065603	1,011	4

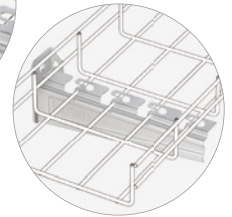


↓CTA↓ (kg)	A	kg
	100	225
	150	245
	200	190
	300	110
	400	245
	500	92
	600	110
	700	220
	750	220
	800	220
GC / C8	900	220
	1000	220
	100	160
	150	190
	200	190
	300	130
304 / 316 L	400	150
	500	110
	600	95





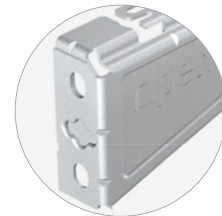
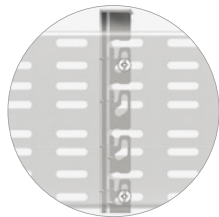
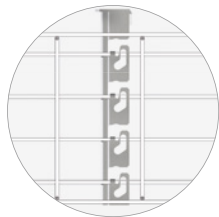
Sistema Click. Sin fijaciones
Click System. No additional fixings
Système Click Sans fixation



Universal

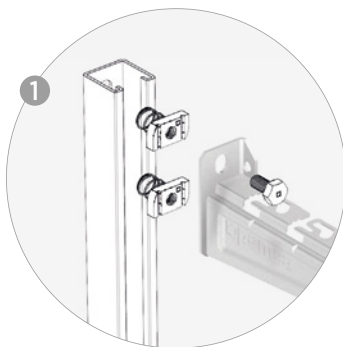
Compatible para todas las bandejas

Compatible with all of the cable trays
Compatible pour toutes les dalles

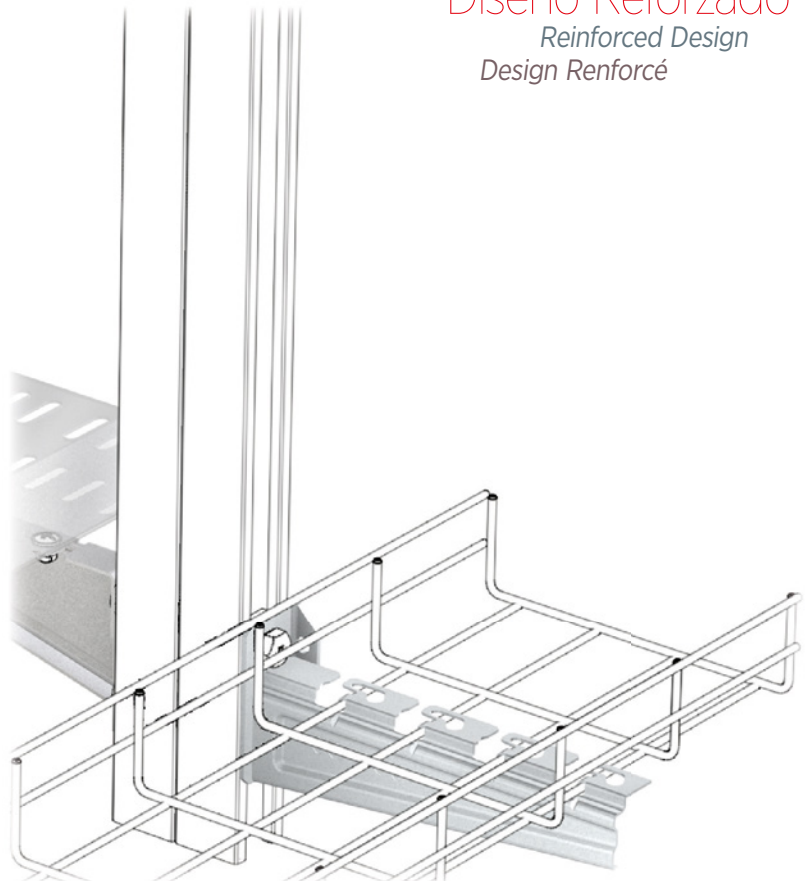


Diseño Reforzado

Reinforced Design
Design Renforcé



	M10x35	x2			167
		x2			154
		x1			146





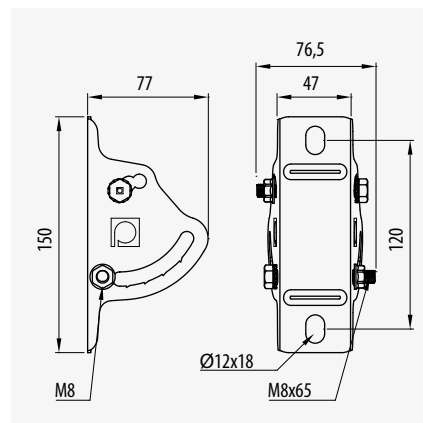
**Kit Soporte
RPLUS
Reforzado
Variable**

**Adjustable
RPLUS Kit**

**Kit Support
Renforcé**

100-600

	Ref	kg/u	u
GC	62037002	0,311	4
304	62057002	0,295	4
316L	62067002	0,295	4



↓CTA↓ (kg)

	100	150	200	300	400	500	600
kg	225	245	190	110	245	135	110

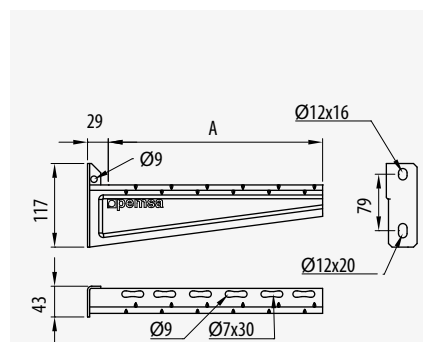
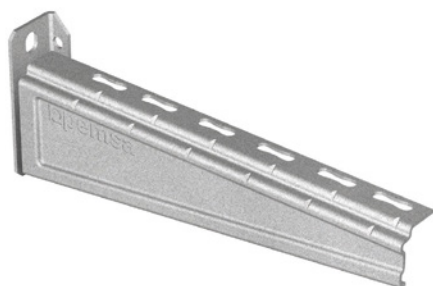
**Soporte
RPLUS Muy
Reforzado**

**Heavy Duty
Cantilever
RPLUS**

**Support
Très
Renforcé**

300-600

	A	AN	Ref	kg/u	u
GC	300	79	63033303	0,798	4
	400	79	63033403	0,996	4
	500	79	63033503	1,198	4
	600	79	63033603	1,396	4



↓CTA↓ (kg)

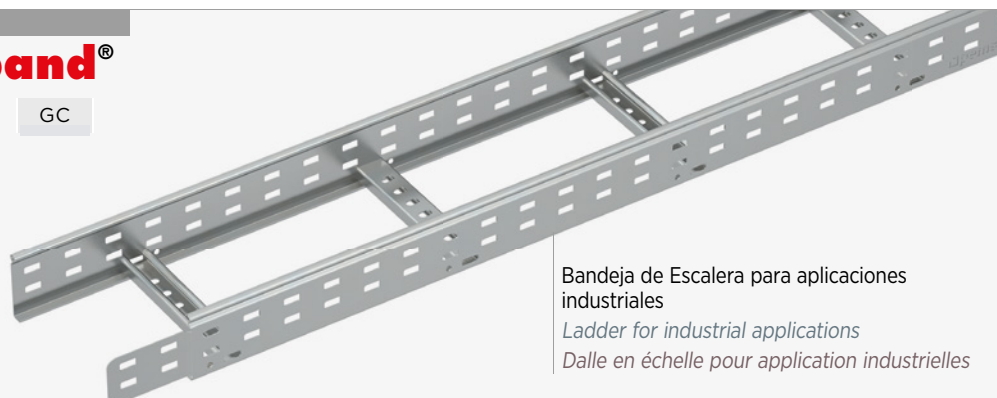
	300	400	500	600
kg	220	220	160	165



IDEA

megaband®

GC

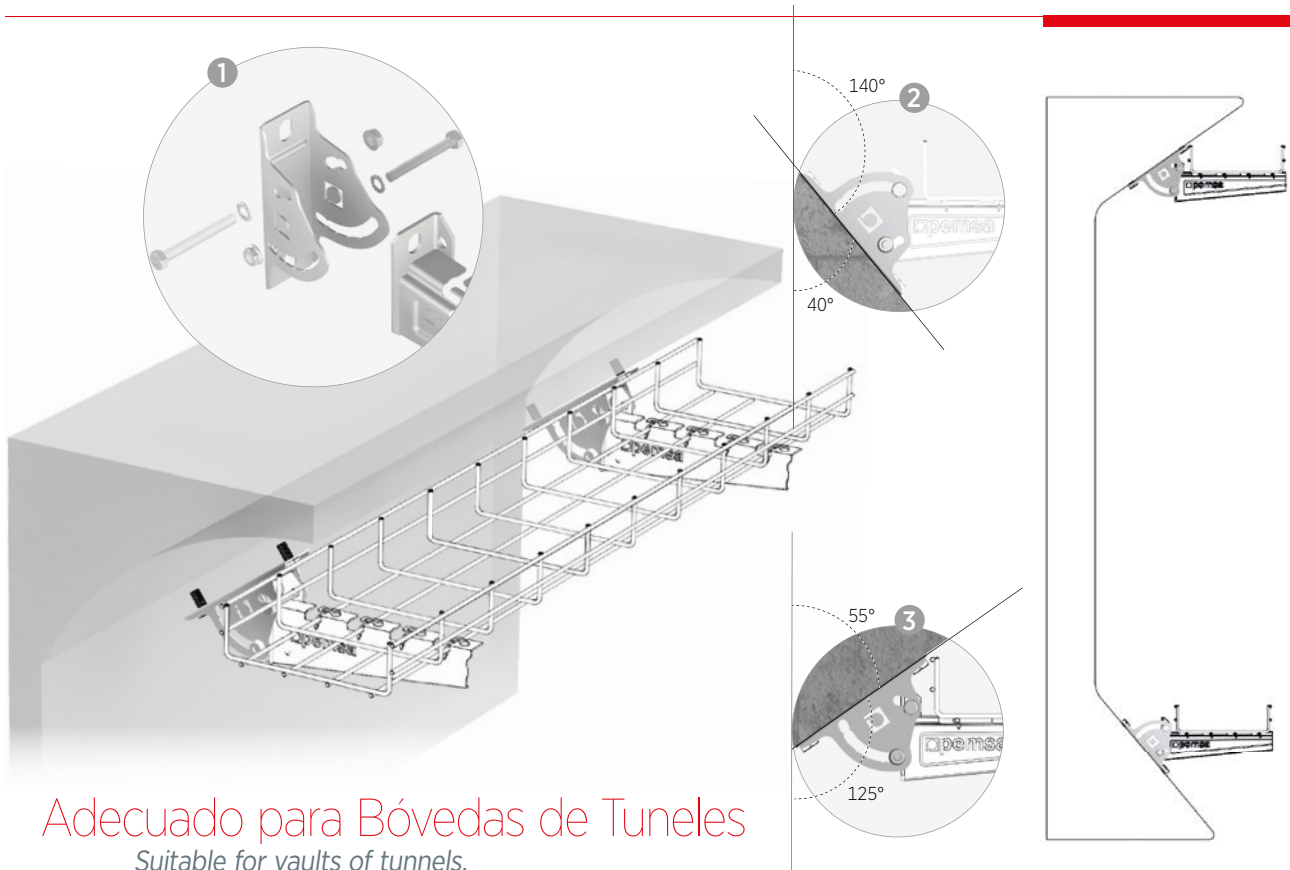


Bandeja de Escalera para aplicaciones industriales

Ladder for industrial applications

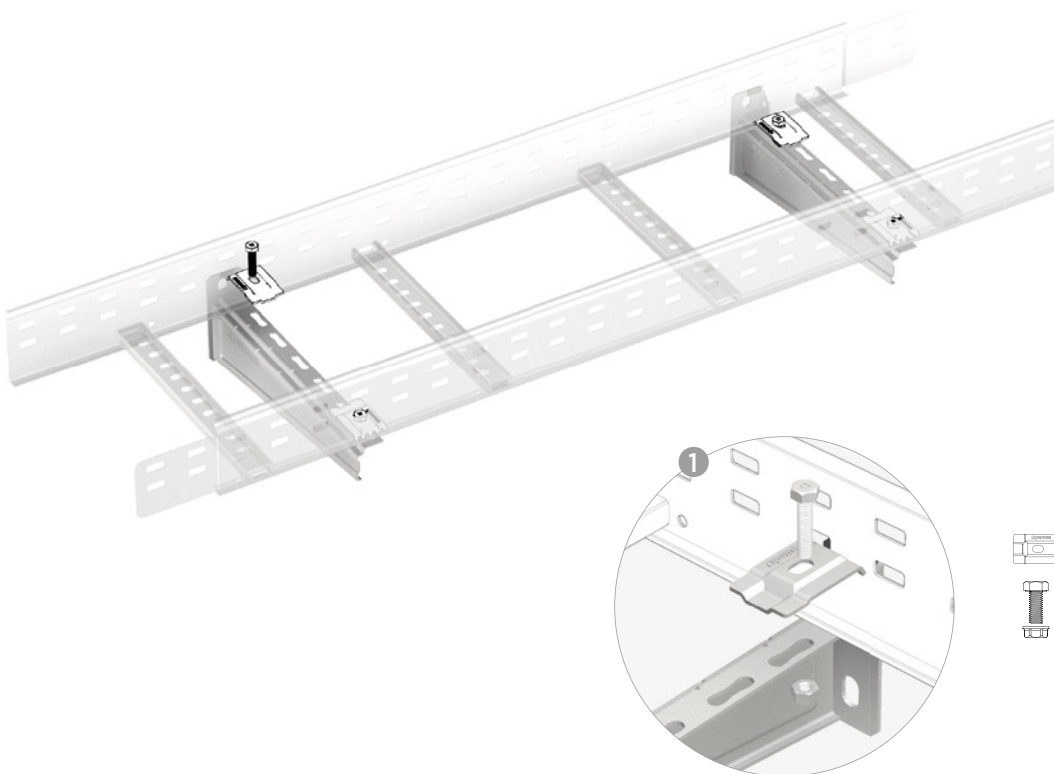
Dalle en échelle pour application industrielles

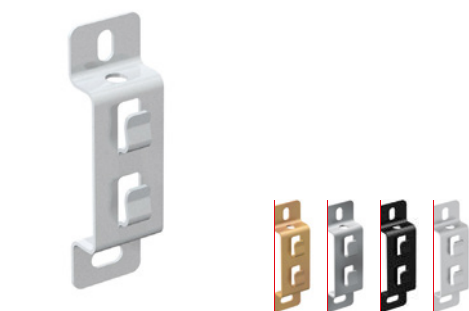
11 080



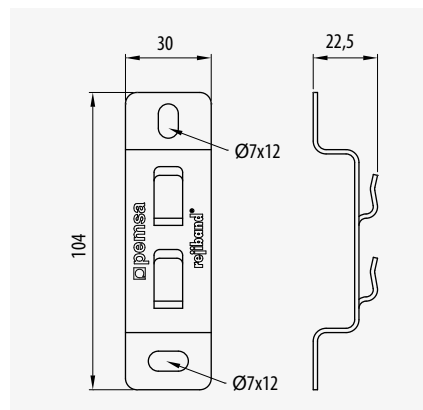
Adecuado para Bóvedas de Tuneles

Suitable for vaults of tunnels.
Approprié aux Voûtes de Tunnels




SopORTE 60 | **Side Support 60** | **Support 60**


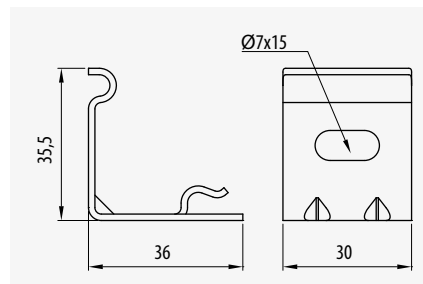
	Ref	kg/u	u
EZ	62011060	0,042	25
BC	62021060	0,042	25
GC	62031060	0,044	25
C8	62081060	0,044	25
316L	62061060	0,042	25


↓CTA↓ (kg) 25

SopORTE LigerO Pared | **Light Duty Wall Support** | **Support Mural Charge Légère**


	Ref	kg/u	u
EZ	62016021	0,055	25
BC	62026021	0,055	25
GC	62036021	0,055	25
C8	62086021	0,055	25


↓CTA↓ (kg) 15

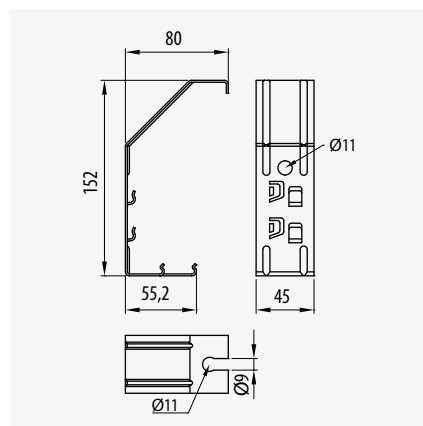
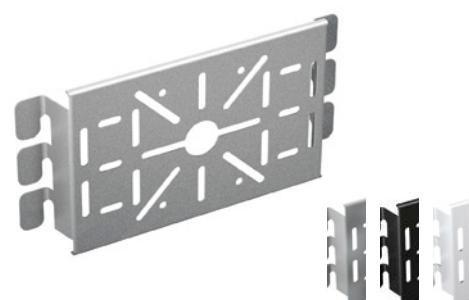
NO rejiBand® 35x60


SopORTE LigerO Techo | **Light Duty Ceiling Support** | **Support Plafond Charge légère**

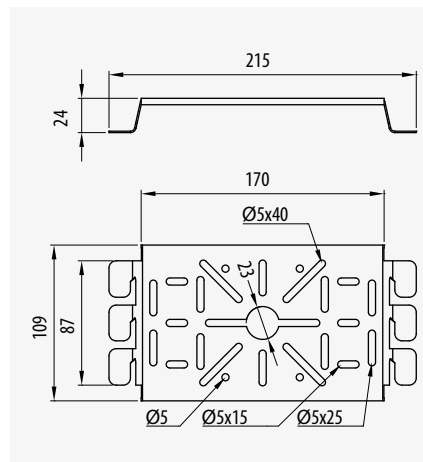

	Ref	kg/u	u
EZ	62016020	0,127	36
BC	62026020	0,127	36
GC	62036020	0,127	36
C8	62086020	0,127	36

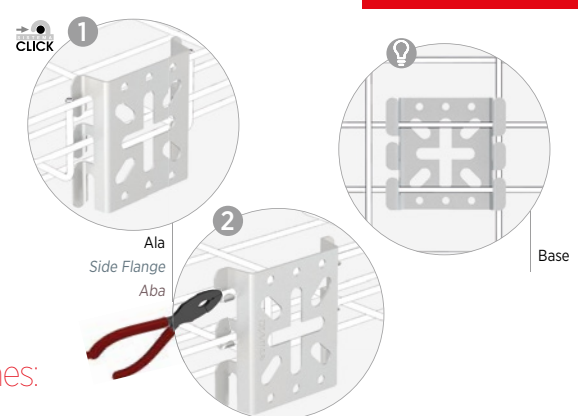
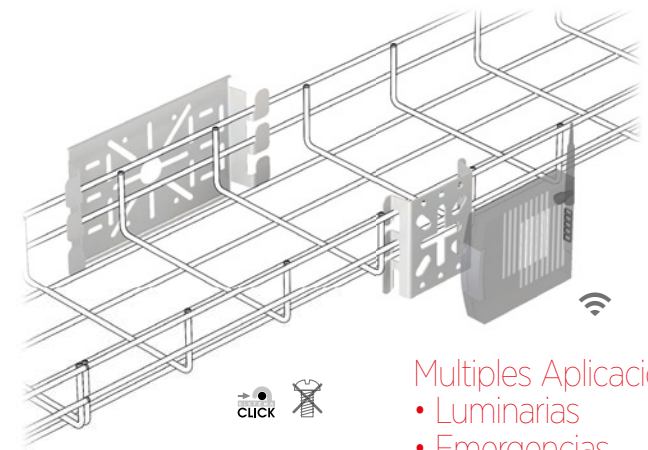
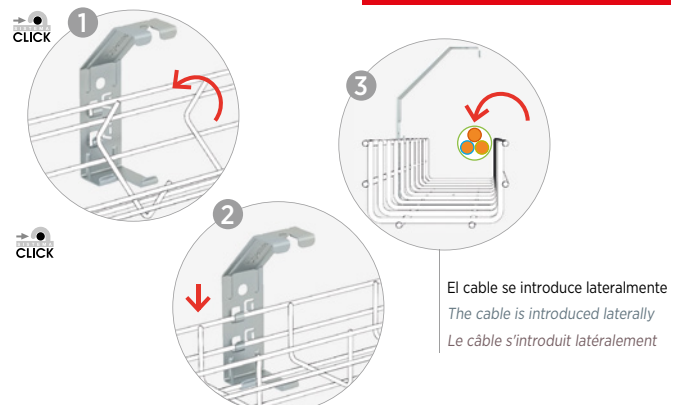
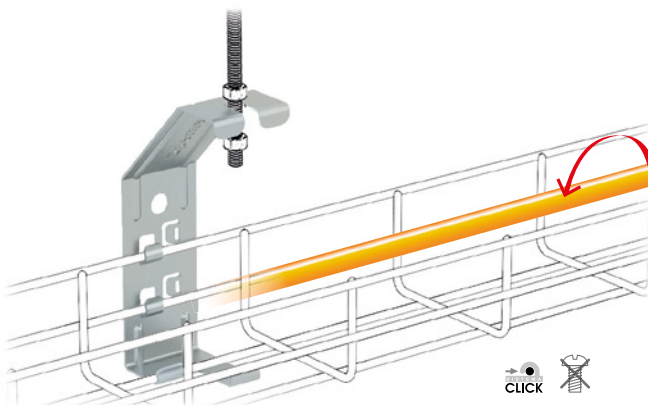
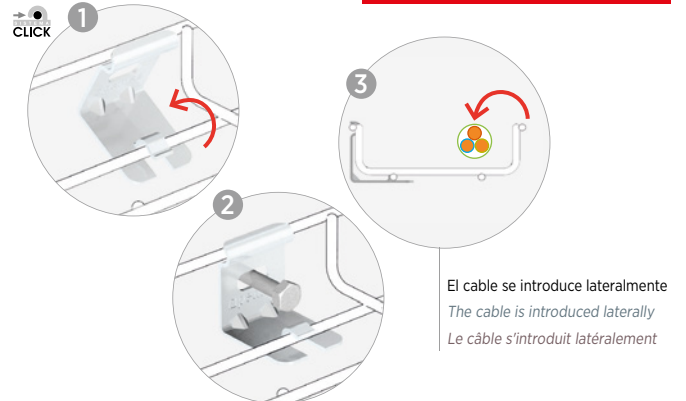
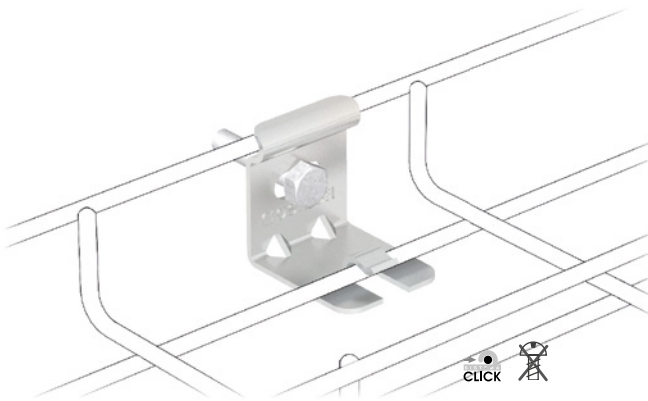
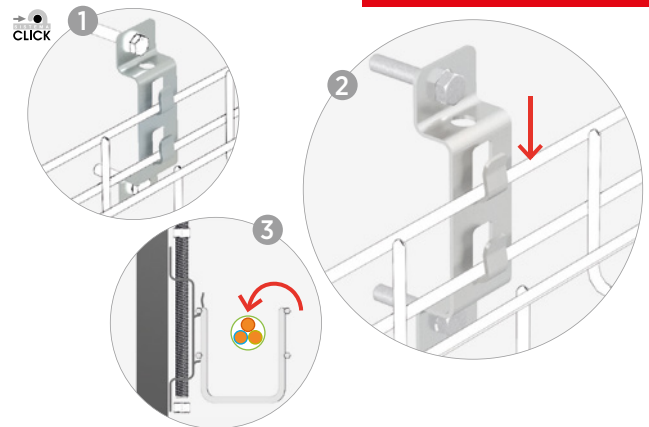
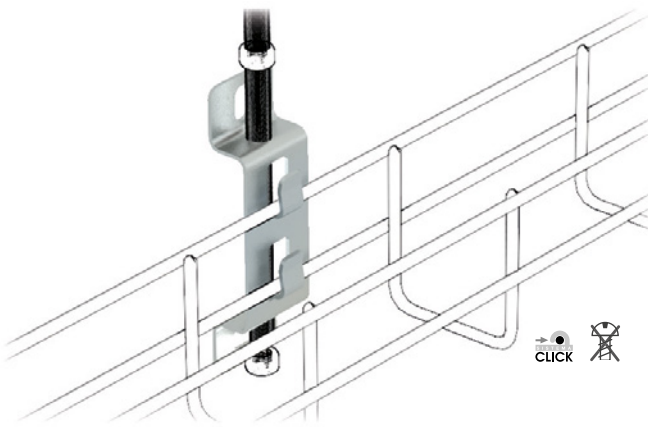

↓CTA↓ (kg) 10

NO rejiBand® 60x60


SopORTE Universal rejiBand® | **rejiBand® Universal Bracket** | **Support Universel rejiBand®**


	Ref	kg/u	u
PG	62026011	0,173	10
GC	62036011	0,187	10
C8	62086011	0,173	10
316L	62066011	0,180	10


↓CTA↓ (kg) 10




Multiples Aplicaciones:

- Luminarias
- Emergencias
- Cajas
- Router
- Sensores
- Detectores

Multiple Applications:

- Lamps
- Emergency lighting
- Boxes
- Router
- Sensors
- Detectors

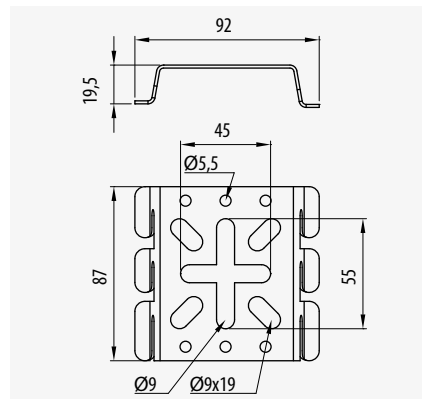
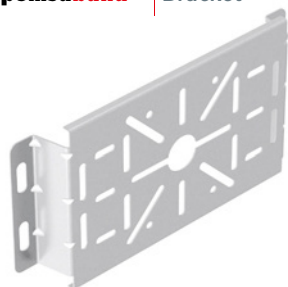
Multiples Applications:

- Luminaires
- Urgences, Sortie de secours
- Caisse
- Router
- Capteur
- Détecteur


**Mini
Soporte**
**Mini Universal
Bracket**
**Mini
Support**

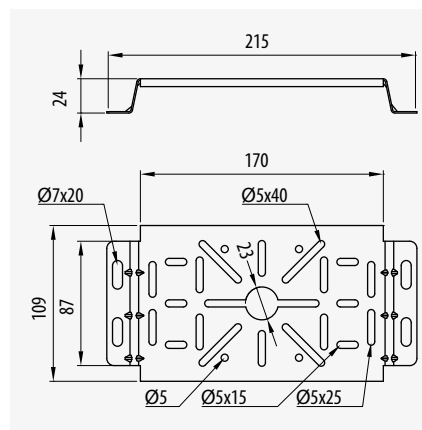

CLICK

	Ref	kg/u	u
PG	62026010	0,091	10
GC	62036010	0,101	10
C8	62086010	0,091	10
316L	62066010	0,095	10

↓CTA↓ (kg) 50

**Soporte
Universal
pemsa®**
**pemsa®
Universal
Bracket**
**Support
Universel
pemsa®**


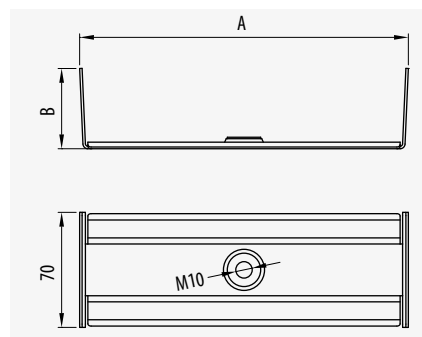
CLICK

	Ref	kg/u	u
PG	70420911	0,179	10
GC	70430911	0,197	10

↓CTA↓ (kg) 10

**Suspensión
interior
pemsa®**
**pemsa®
Inside
Hanging
Plate**
**Suspension
intérieure
pemsa®**


	A	Ref	kg/u	u
EZ	100	70122210	0,157	10
	150	70122215	0,198	10
	200	70122220	0,239	10
	300	70122230	0,321	10
	400	70122240	0,404	10
GC	100	70132210	0,167	10
	150	70132215	0,211	10
	200	70132220	0,255	10
	300	70132230	0,342	10
	400	70132240	0,431	10

A	↓CTA↓ (kg)	A	↓CTA↓ (kg)
100	40	200	27
150	35	300	20


IDEA

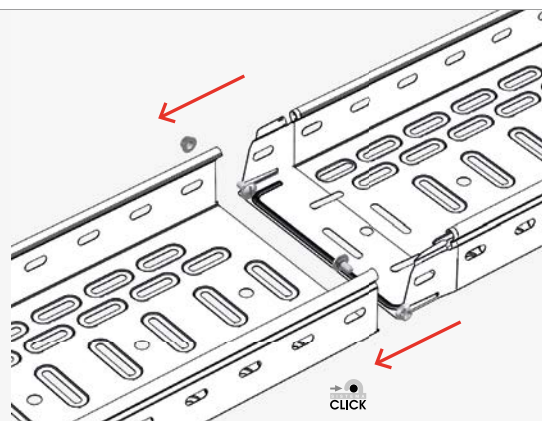
 Bandeja
de Chapa
Perforada
Click

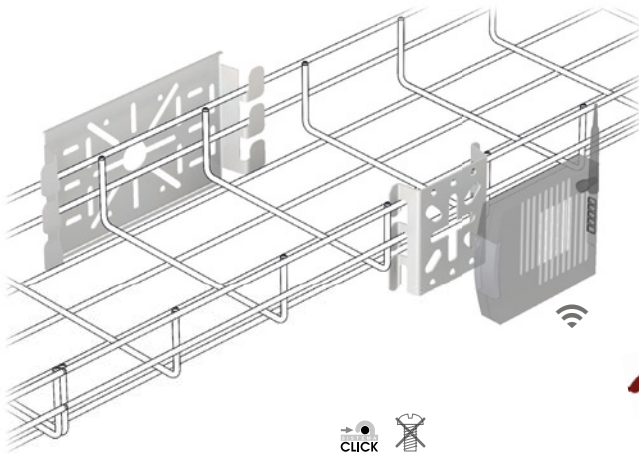
 Perforated
Click
System
Cable Tray

 Dalle
perforée et
emboutie
Click


048

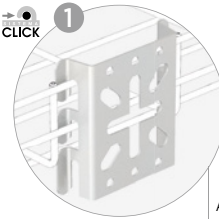
pemsa®

 Sistema enchufable
Quick Click Joint System
Système click à union rapide




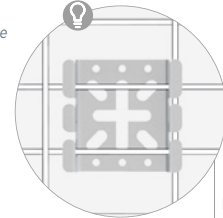
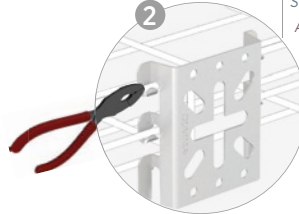
click

1



Ala
Side Flange
A ergo

2



Base

Multiples Aplicaciones:

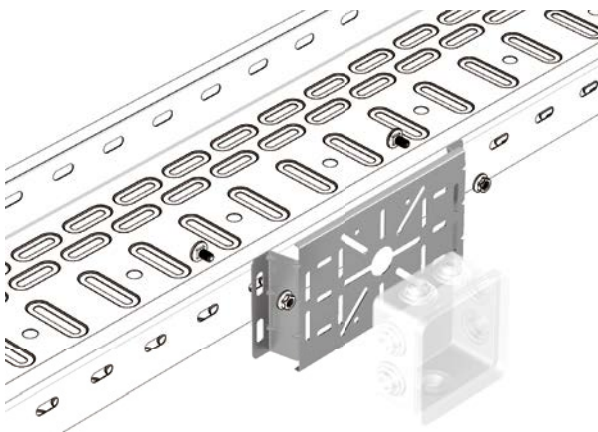
- Luminarias
- Emergencias
- Cajas
- Router
- Sensores
- Detectores

Multiple Applications:

- Lamps
- Emergency lighting
- Boxes
- Router
- Sensors
- Detectors

Multiples applications:

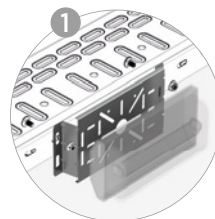
- Luminaires
- Ugences, Sortie de secours
- Caisses
- Routeur
- Capteurs
- Détecteurs



x 2



166



Versátil. Múltiples aplicaciones!!

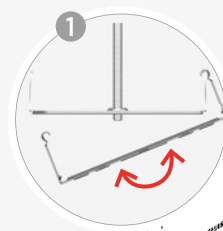
Versatile. Multiple applications
Versatile, multiples applications

Cajas / Boxes / Caisses
Emergencias / Emergency Lightning / Sortie de secours, Urgences
Routeur
Speakers

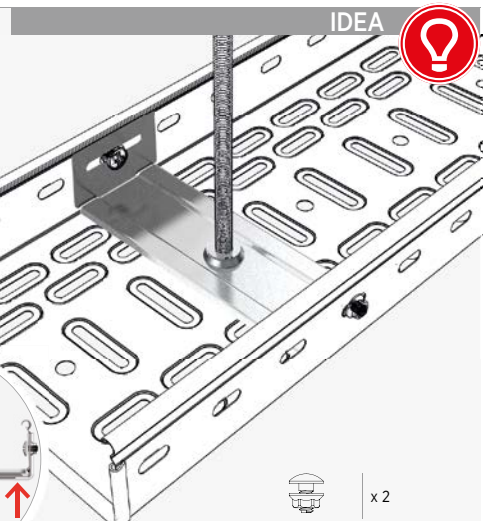
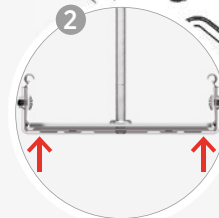
Sistema Oculto. El soporte queda dentro de la bandeja!!

Hidden System.
The support is installed inside the cable tray

Système Caché.
Le support reste à l'intérieur de la dalle



2



IDEA



x 2

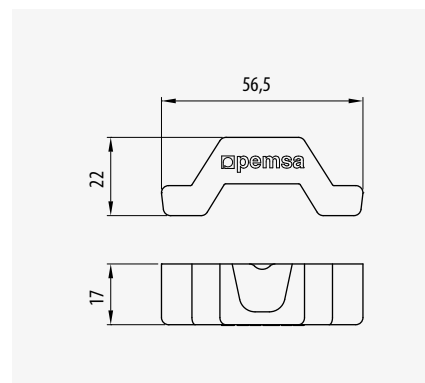
166


**Protector
Omega
SPLUS**
*Omega
SPLUS
Protector*
*Embout de
Protection
Omega
SPLUS*


CLICK



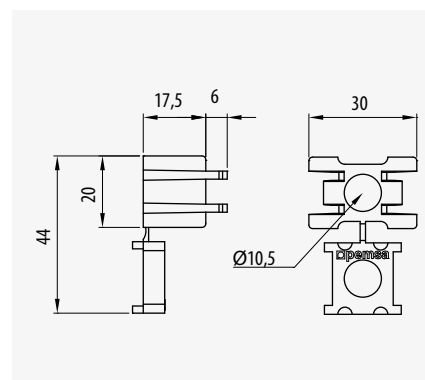
100-600		
Ref	kg/u	u
62031084	0,009	50


**Tope Omega
SPLUS**
*Omega
SPLUS Plug*
*Butoir de
Sécurité
Omega
SPLUS*


CLICK



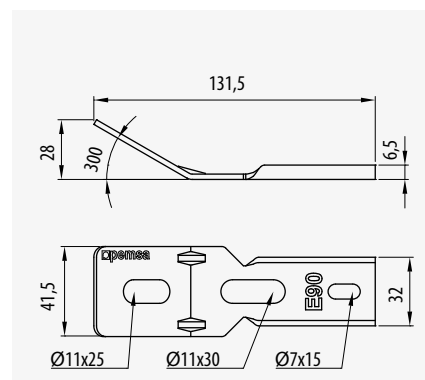
100-600		
Ref	kg/u	u
62031085	0,009	50


**Conector
E90 SPLUS**
*Connector
E90 SPLUS*
*Connecteur
E90 Omega
SPLUS*


CLICK

E90

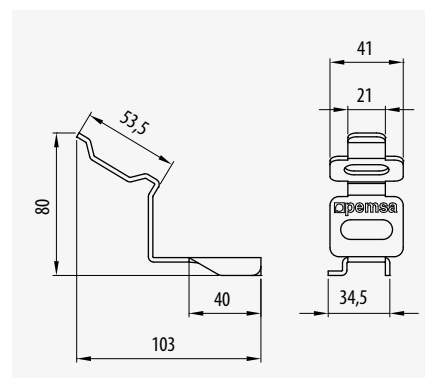
 100-600			
	Ref	kg/u	 u
GC	62031090	0,093	60

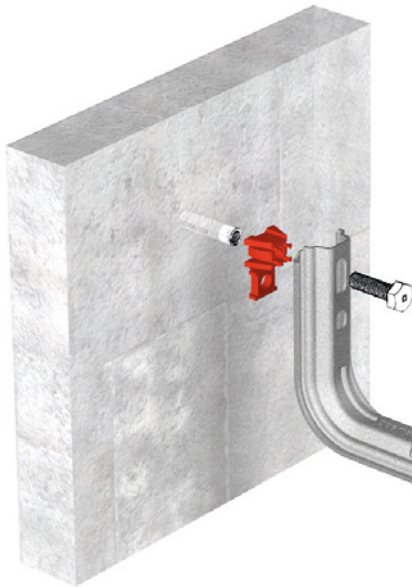

**Conector
E90 RPLUS**
*Connector
E90 RPLUS*
*Connecteur
E90 RPLUS*


CLICK

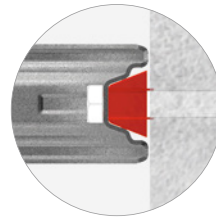
E90

 100-600			
	Ref	kg/u	 u
GC	62035001	0,083	15



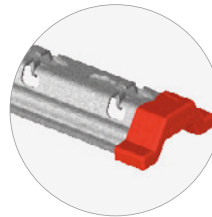


Seguridad
Safety
Sécurité

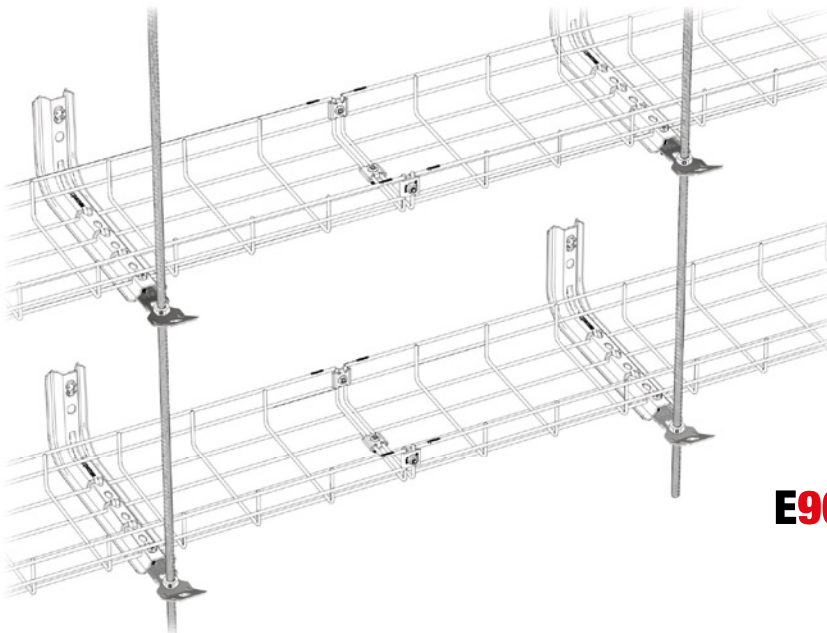


Mejora la instalación
Improves the installation
Améliore l'installation

Tope
Plug
Butoir



Protector
Protector
Embout de Protection



E90



M6x30

x1



028



M6x1000

x1



148

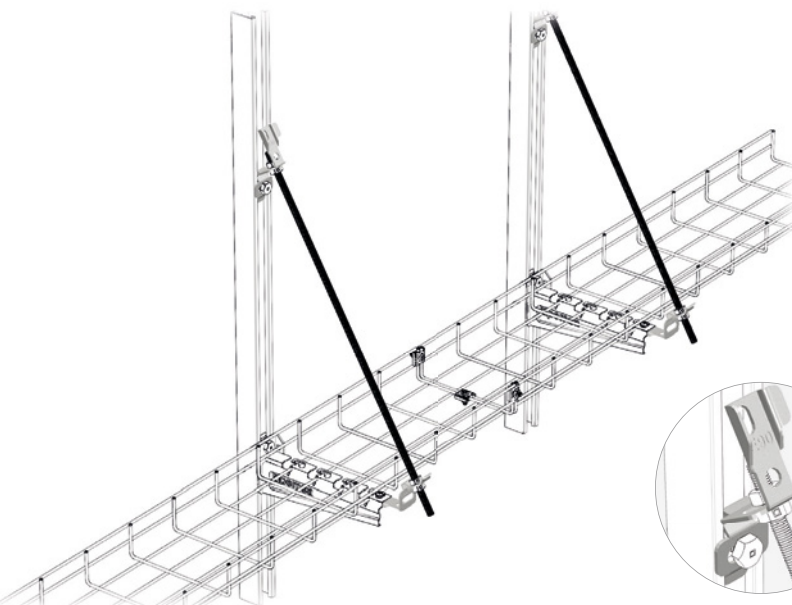
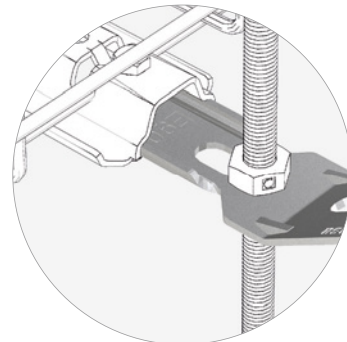


M8

x2



167



x1



138



M8x500

x1



148



M8

x2



167

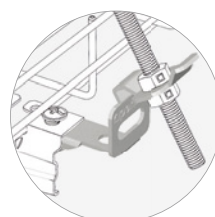
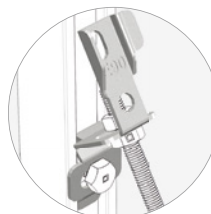


M6x30

x1



166

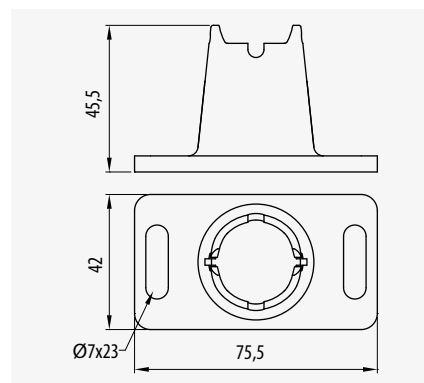


E90

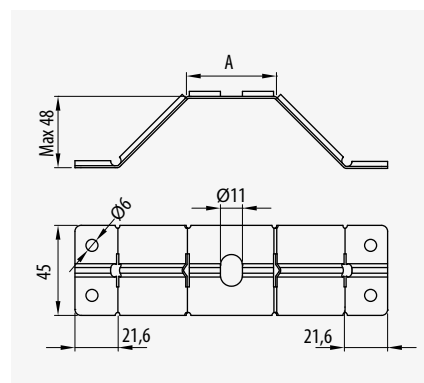

Pie | **Floor Foot** | **Pied**


CLICK

35-60-100 • 60-600		
Ref	kg/u	u
68000060	0,022	100
↓CTA↓ (kg)		40


Pie Metal | **Metal Foot** | **Pied Métallique**

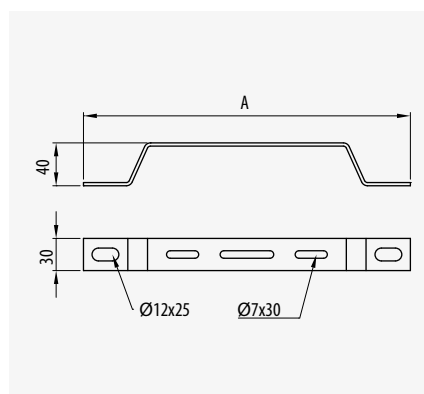

35-60-100 • 60-600				
	A	Ref	kg/u	u
PG	45	67020020	0,065	10
	90	67020120	0,081	10
GC	45	67030020	0,068	10
	90	67030120	0,085	10


Distanciador | **Stand off Bracket** | **Séparateur support vertical Mural**


35-60-100 • 60-600				
	A	Ref	kg/u	u
PG	180	67030539	0,172	10
	350	67030540	0,321	10
GC	180	67030541	0,242	10
	350	67030542	0,351	10
316L	180	67060541	0,132	10
	350	67060542	0,214	10



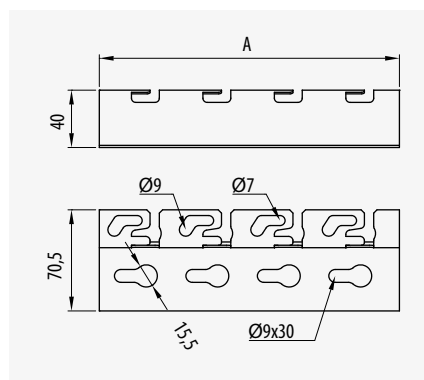
↓CTA↓ (kg) 100


Distanciador Click | **Stand off Bracket Click** | **Fixation Réhausse Click**

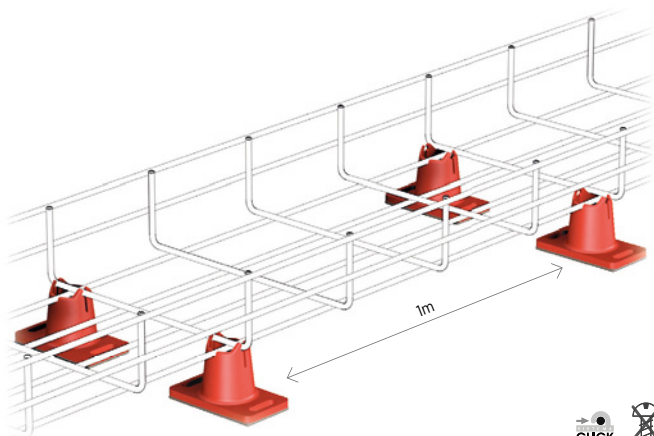

35-60-100 • 100-600				
	A	Ref	kg/u	u
PG	100	67020520	0,119	10
	200	67020522	0,225	10
	300	67020524	0,331	10
GC	100	67030520	0,128	10
	200	67030522	0,241	10
	300	67030524	0,355	10
304	100	67050520	0,121	10
	200	67050522	0,228	10
	300	67050524	0,336	10
316L	100	67060520	0,121	10
	200	67060522	0,228	10
	300	67060524	0,336	10



↓CTA↓ (kg) 250



CLICK

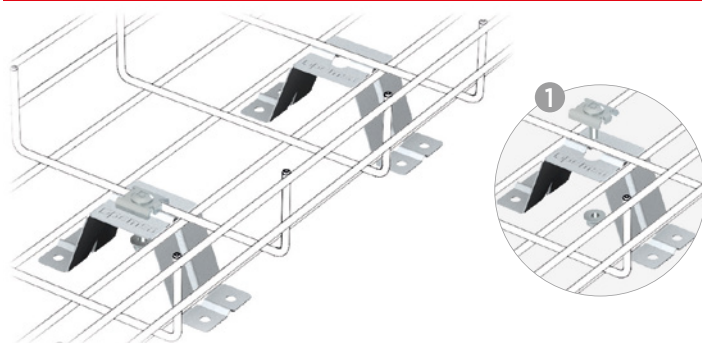


ref. 68000066

Adhesivo Pie
Adhesive & hardener
Pieds

Fácil, económico!!
Easy, Economical
Facile, Economique

Rápida Instalación
Quick Assembly
Installation Rapide



Aplicaciones:

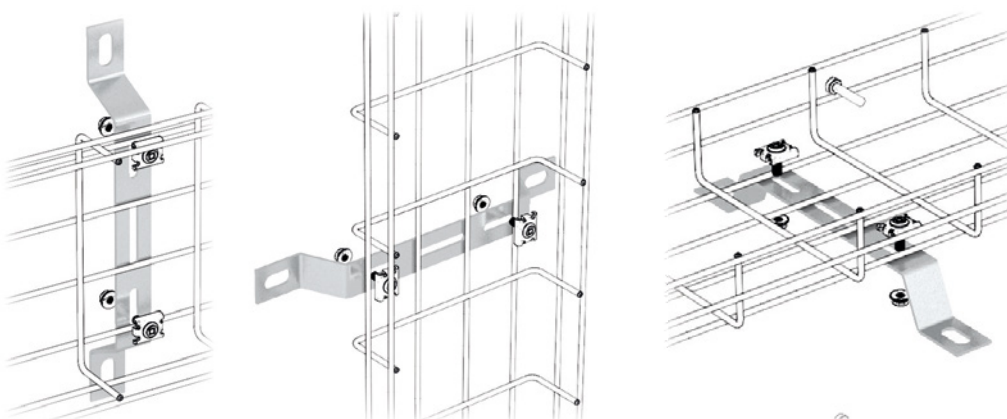
- Suelos técnicos
- Instalaciones Comunicaciones
- Salas de Instalaciones

Applications:

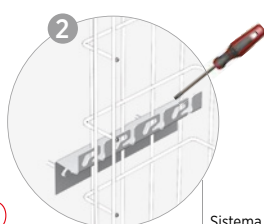
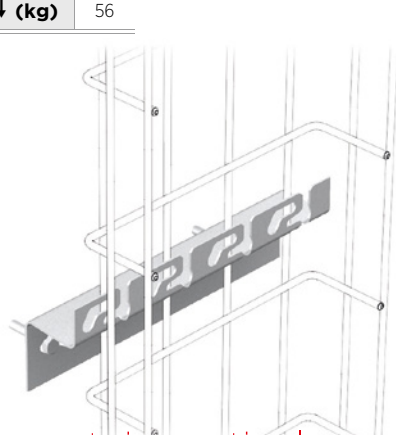
- Technical floors
- Communication Installations
- Technical rooms

Applications:

- Sols techniques
- Installations, communications
- Salles techniques



↓CTA↓ (kg)	56
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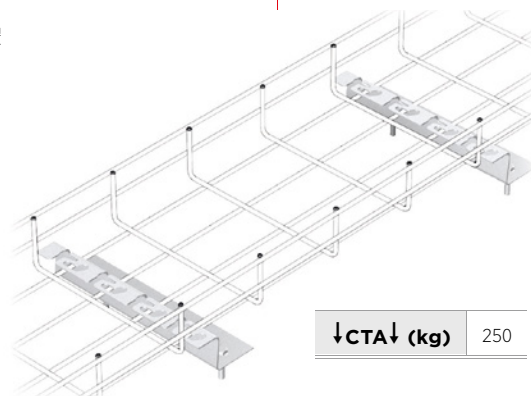


CLICK

CLICK

CLICK

Sistema Click.
Sin tornillos
Click System.
No screws are required
Système Click
Sans vis



↓CTA↓ (kg)	250
------------	-----

Premontaje vertical seguro.
No se cae

Safe vertical pre-assembly. Does not fall off
Pré-montage à la Vertical. Excellente tenue.



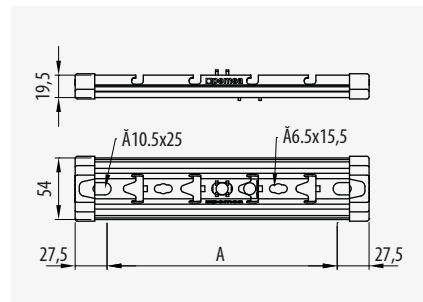
Suspensión
Omega
SPLUS

SPLUS
Omega
Channel

Suspension
Omega
SPLUS



	A	Ref	kg/u	u
PG	100	63022104	0,133	10
	150	63022154	0,179	10
	200	63022204	0,224	10
	300	63022304	0,314	10
	400	63022404	0,405	10
	500	63022504	0,495	10
	600	63022604	0,586	10
GC	100	63032104	0,143	10
	150	63032154	0,191	10
	200	63032204	0,241	10
	300	63032304	0,336	10
	400	63032404	0,434	10
	500	63032504	0,531	10
	600	63032604	0,627	10
C8	100	63082104	0,137	10
	150	63082154	0,187	10
	200	63082204	0,228	10
	300	63082304	0,321	10
	400	63082404	0,411	10
	500	63082504	0,502	10
	600	63082604	0,593	10
304	100	63052104	0,136	10
	150	63052154	0,182	10
	200	63052204	0,221	10
	300	63052304	0,306	10
	400	63052404	0,391	10
	500	63052504	0,476	10
	600	63052604	0,561	10
316L	100	63062104	0,136	10
	150	63062154	0,182	10
	200	63062204	0,221	10
	300	63062304	0,306	10
	400	63062404	0,391	10
	500	63062504	0,476	10
	600	63062604	0,561	10



↓CTA↓ (kg)	kg
una varilla / one rod / un tige filetée	
100-300	160

↓CTA↓ (kg)	kg
doble varilla / double rod / double tige filetée	
400-600	390



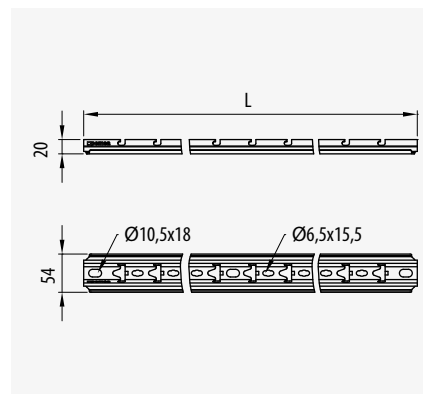
Rail Omega
SPLUS

SPLUS Omega
Channel

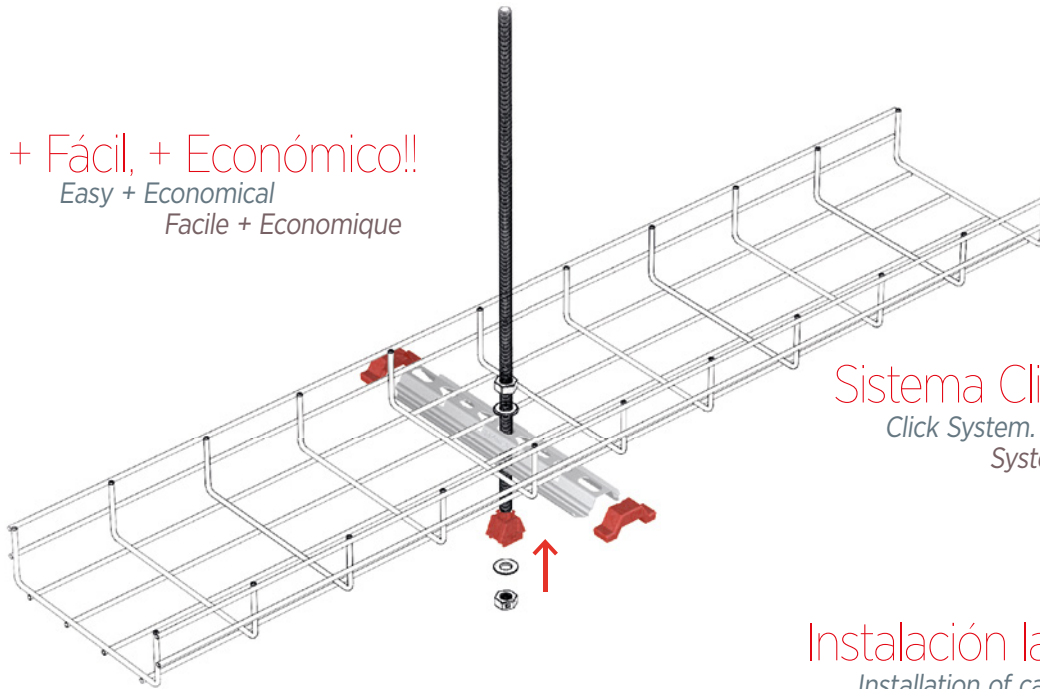
Rail Omega
SPLUS



	L	Ref	kg/u	u
PG	1000	67020110	1,196	1
	2000	67020111	2,331	1
	3000	67020112	3,462	1
GC	1000	67030110	1,229	1
	2000	67030111	2,399	1
	3000	67030112	3,555	1

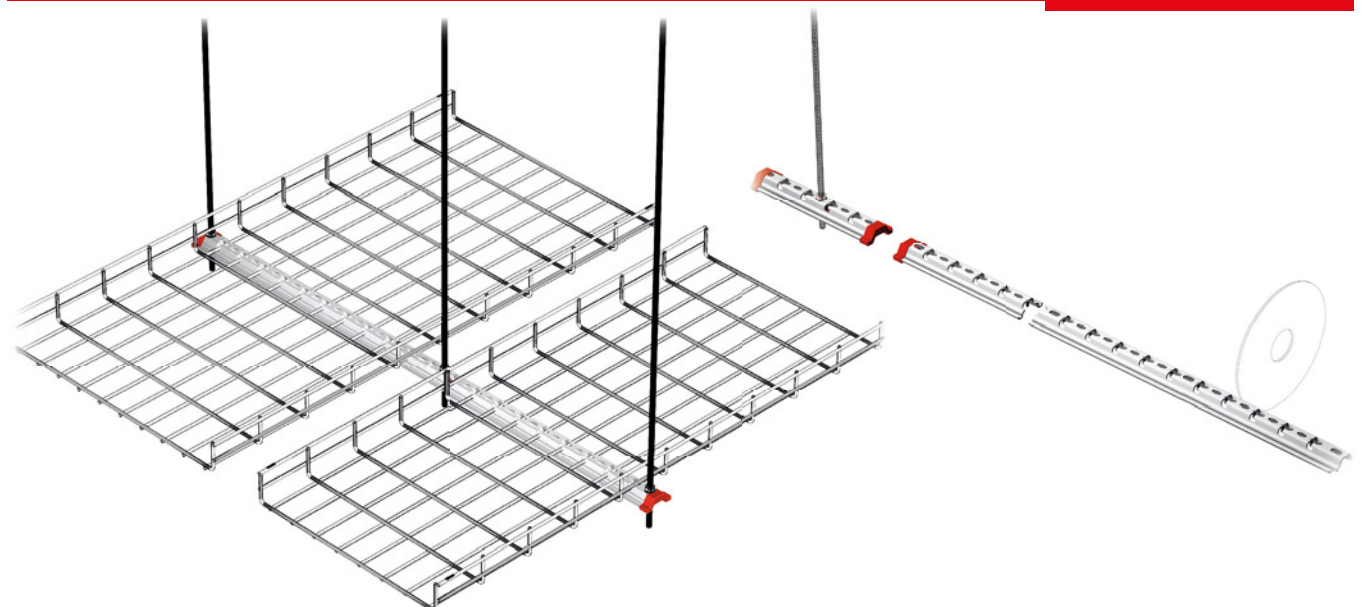
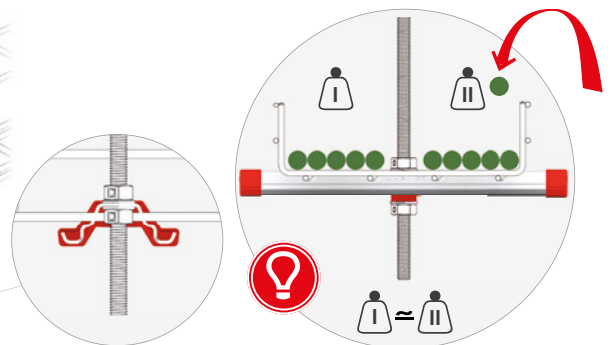
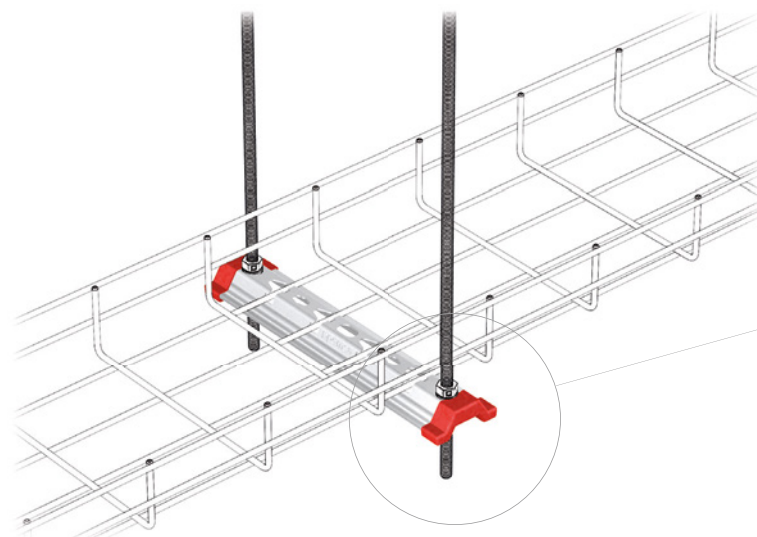


+ Fácil, + Económico!!
Easy + Economical
Facile + Economique



Sistema Click. Sin fijaciones
Click System. No additional fixings
Système Click sans Fixation

Instalación lateral del cable
Installation of cables from the side
Installation Latéral du Câble

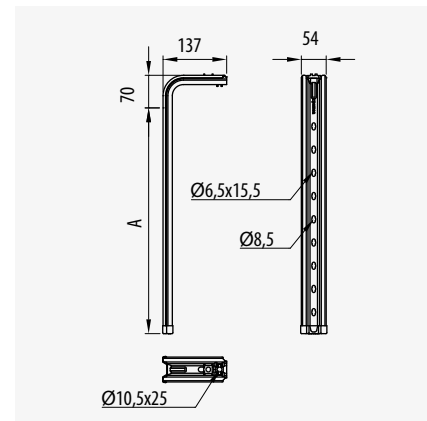



**Péndulo
Omega SPLUS**
**Bracket/
Pendant
SPLUS**
**Pendard
Omega
SPLUS**

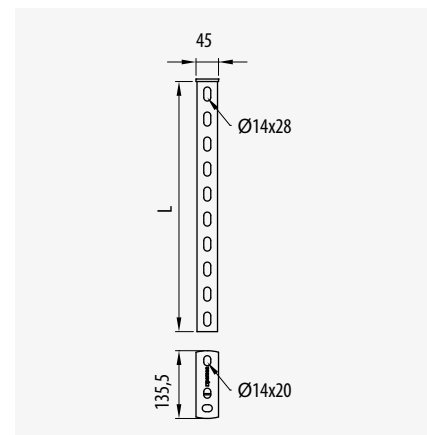

300-600				
	A	Ref	kg/u	u
GS	300	62021304	0,572	5
	400	62021404	0,693	5
	500	62021504	0,796	5
	600	62021604	0,916	5
GC	300	62031304	0,586	5
	400	62031404	0,711	5
	500	62031504	0,815	5
	600	62031604	0,939	5
C8	300	62081304	0,566	5
	400	62081404	0,681	5
	500	62081504	0,524	5
	600	62081604	0,949	5
304	300	62051304	0,561	5
	400	62051404	0,674	5
	500	62051504	0,817	5
	600	62051604	0,941	5
316L	300	62061304	0,561	5
	400	62061404	0,674	5
	500	62061504	0,817	5
	600	62061604	0,941	5


**Soporte
Techo 41x41**
**Pendant
Drop 41x41**
Pendard 41x41

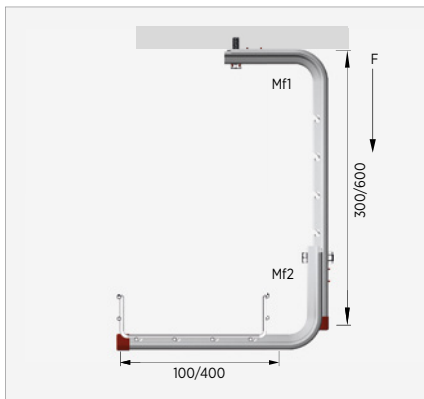
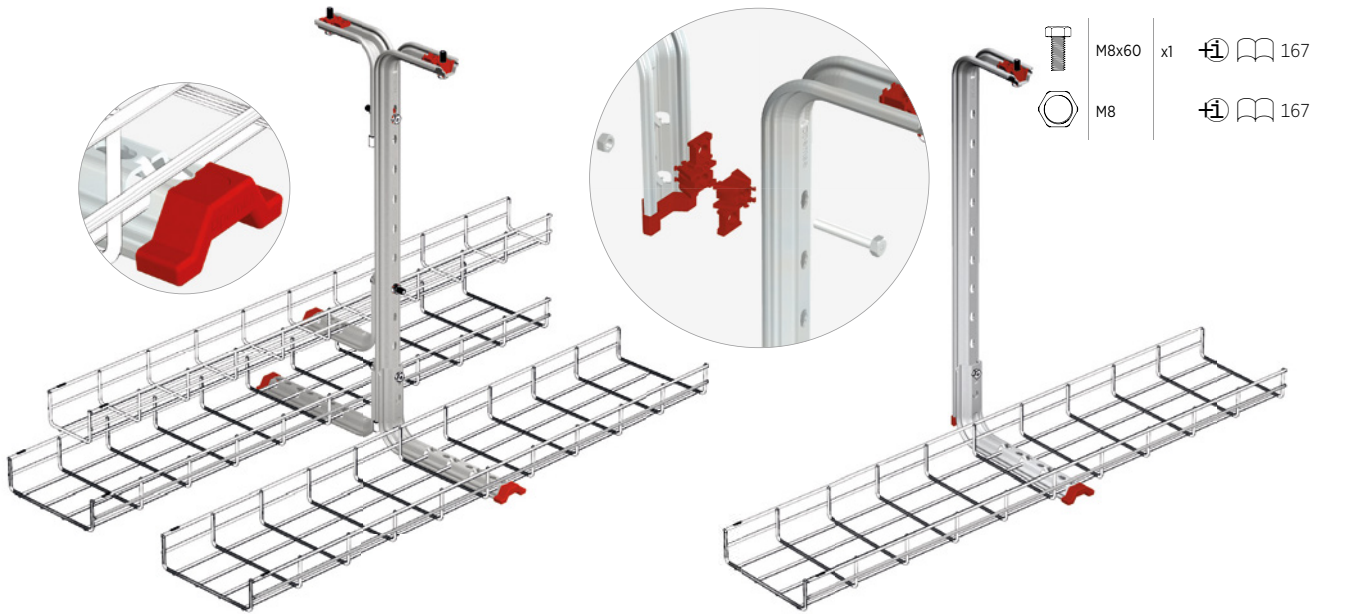

	L	Ref	kg/u	u
GC	500	67030660	1,455	1
	1000	67030661	2,356	1



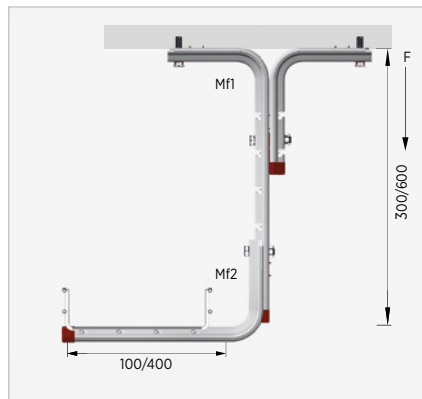
CTA (kg)			F kg	Mf1 kg.m	Mf2 kg.m
			PG		
		300	200	9	7
		400	200	7	6
		500	300	8	7
		600	350	10	9
			GC		
		300	165	8	6
		400	180	7	6
		500	270	11	10
		600	280	11	10



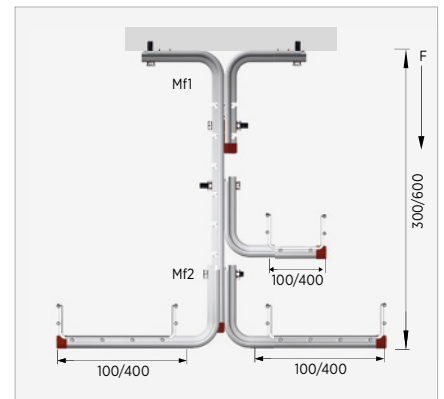
CTA (kg)			F kg	Mf1 kg.m	Mf2 kg.m
		500	350	36	43
		1000	350	36	43



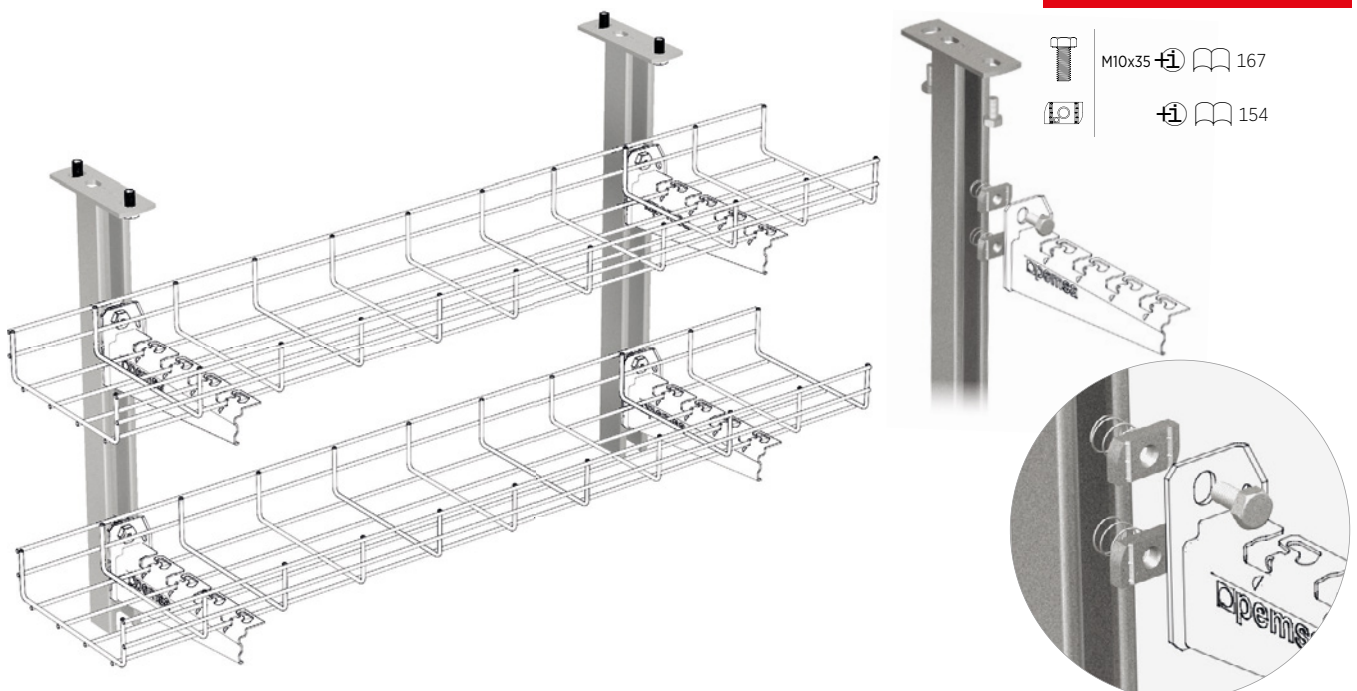
	PG	GC	316L
F (kg)	200	180	380
Mf1 (kgm)	7	7	11
Mf2 (kgm)	6	6	13



	PG	GC	316L
F (kg)	330	330	
Mf1 (kgm)	40	40	
Mf2 (kgm)	15	19	



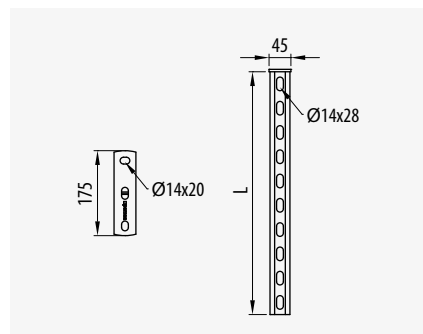
	PG	GC	316L
F (kg)	330	330	
Mf1 (kgm)	40	40	
Mf2 (kgm)	15	19	




**Soporte
Techo Doble
41x41**
**Double
Pendant
Drop 41x41**
**Double
Pendant**

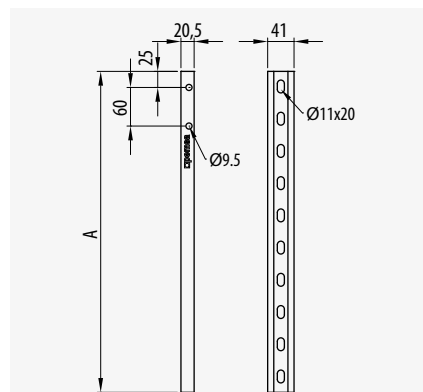
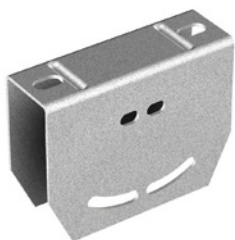

	L	Ref	kg/u	u
GC	500	67030662	2,358	1
	1000	67030663	4,161	1

↓CTA↓ (kg)		kg	Mf1 kg.m	Mf2 kg.m
	500	400	93	73
	1000	400	93	73

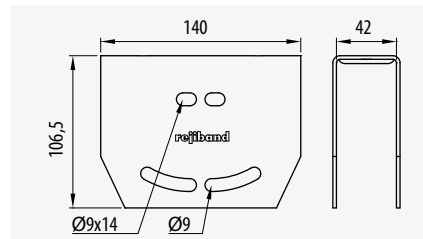
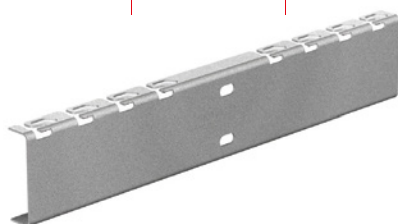

**Raíl Péndulo
Reforzado**
**Heavy Duty
Pendant
Channel**
**Echelle Rail
Pendant
Renforcé R21**


	A	Ref	kg/u	u
PG	500	67030646	0,859	1
	1000	67030647	1,726	1

↓CTA↓ (kg)		kg	Mf1 kg.m	Mf2 kg.m
	500	300	35	40
	1000	300	35	40

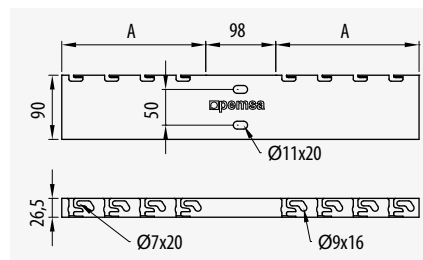

**Suspensión
Raíl Péndulo**
**Heavy Duty
Pendant Boss**
**Gousset
Double
Suspension
Rail Pendar
Renforcé**


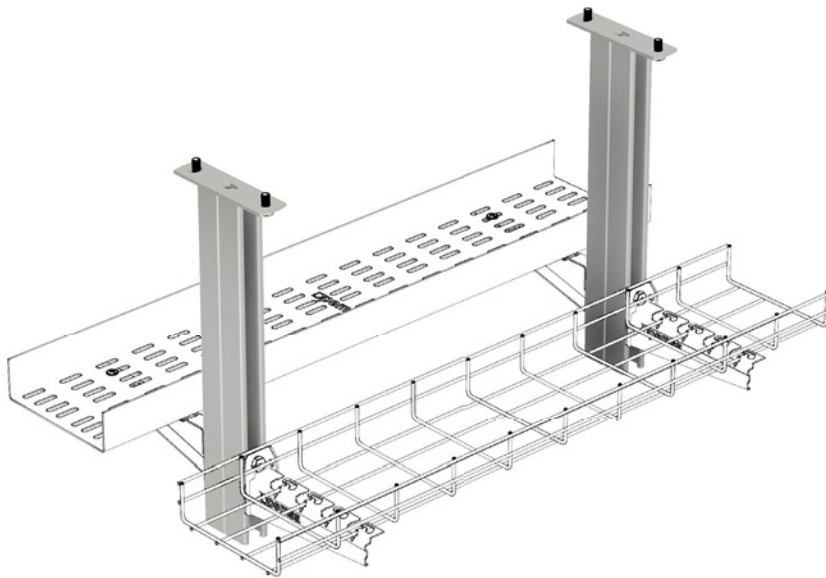
	Ref	kg/u	u
PG	67030645	0,619	1
GC	67030644	0,619	1


**Soporte
RPLUS
Simétrico**
**Symmetrical
RPLUS
Bracket**
**Support Double
Symétrique**


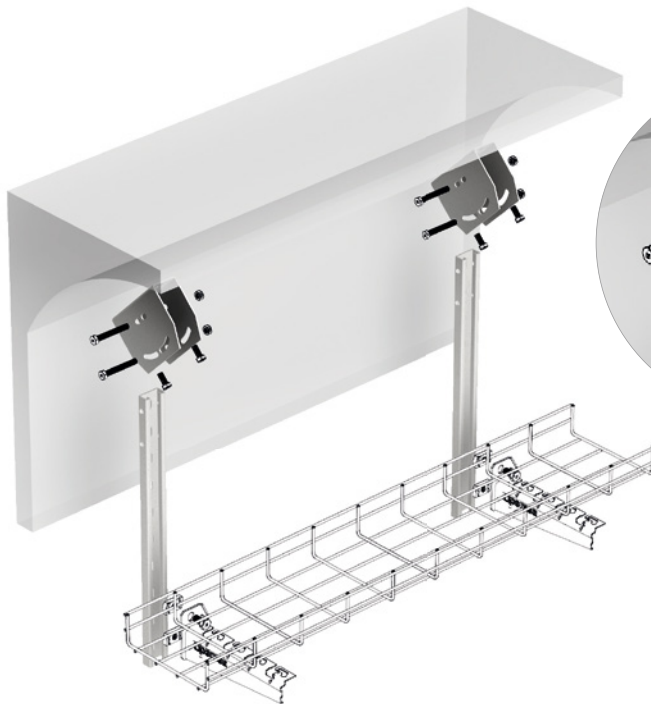
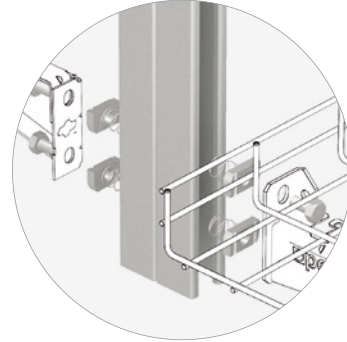
	A	Ref	kg/u	u
GC	100	63034103	0,481	4
	150	63034153	0,653	4
	200	63034203	1,042	4
	300	63034303	1,452	4

↓CTA↓ (kg)		kg
	100	45
	150	80
	200	170
	300	150

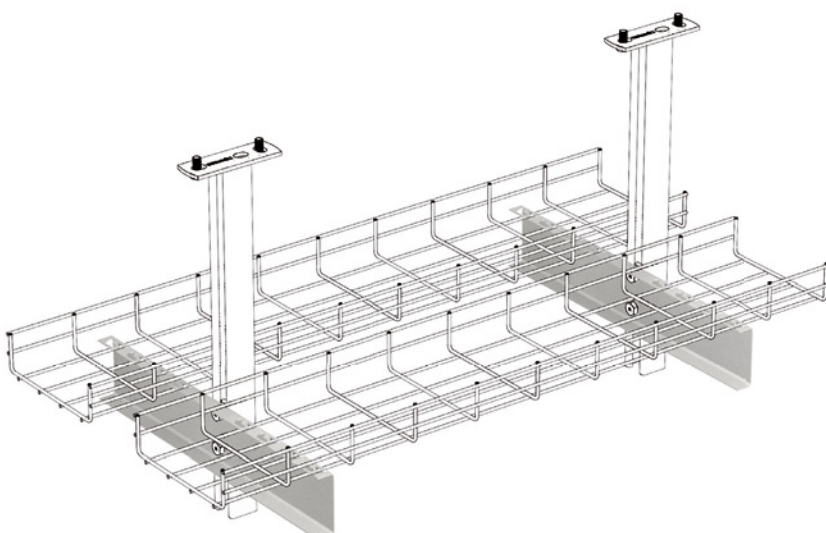
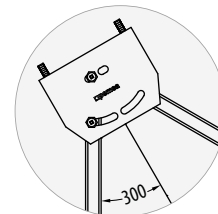
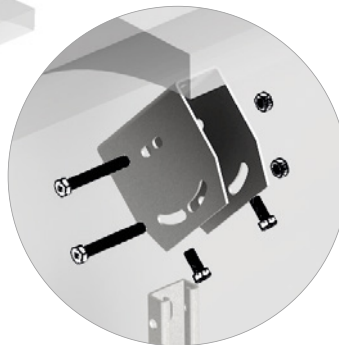




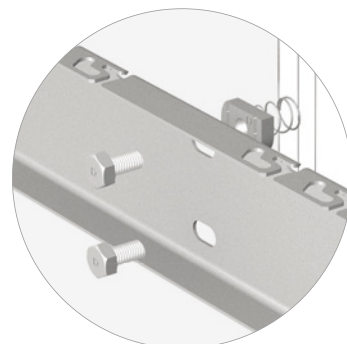
	M10x35	x4			167
		x4			154



	M8x60	x2			167
	M8	x2			167



	M10x35	x2			167
		x2			154

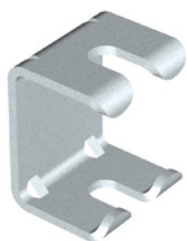




Fijación
Techo

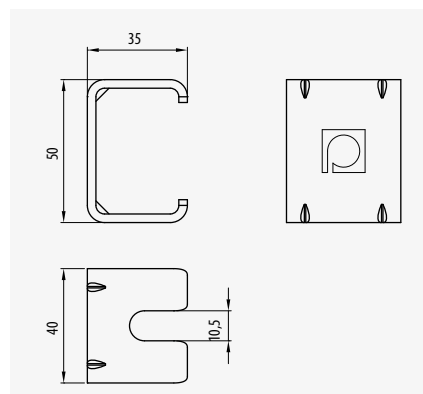
Ceiling Rod
Bracket

Fixation
Plafond



	Ref	kg/u	u
PG	67030060	0,094	10

↓CTA↓ (kg) 275



Fijación
Techo
Orientable

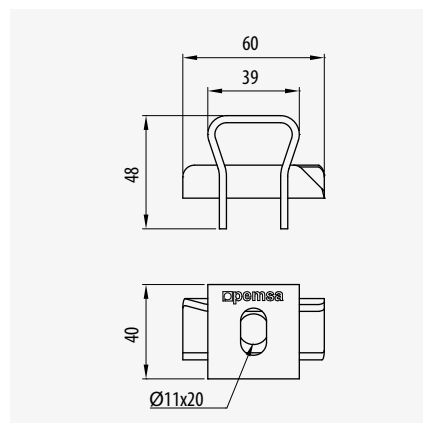
Variable
Ceiling Rod
Bracket

Fixation
Plafond
Orientable



	Ref	kg/u	u
PG	67030061	0,152	1

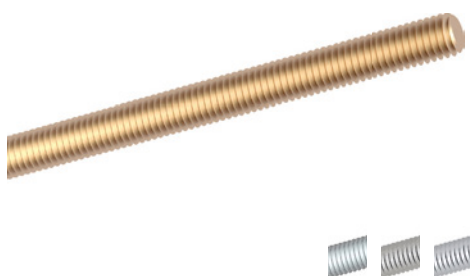
↓CTA↓ (kg) 127



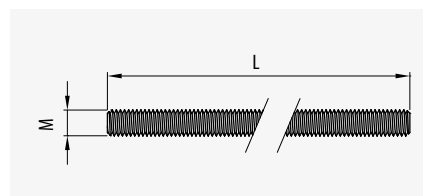
Varilla
Roscada

Threaded
Rod

Tige Filetée



	M	L	Ref	kg/u	u
EZ	M6	500	67010140	0,121	50
	M6	1000	67010141	0,241	50
BC	M6	500	67020140	0,121	50
	M6	1000	67020141	0,241	50
	M8	500	67020044	0,161	50
	M8	1000	67020045	0,321	50
GC	M10	1000	67020145	0,491	50
	M8	1000	67030045	0,321	50
	M6	1000	67060141	0,241	50
316L	M8	500	67060044	0,161	50
	M8	1000	67060045	0,321	50
	M10	1000	67060145	0,491	25
C8	M8	1000	67080045	0,321	50



↓CTA↓ (kg)	
M	kg
M6	195
M8	400
M10	500



E90

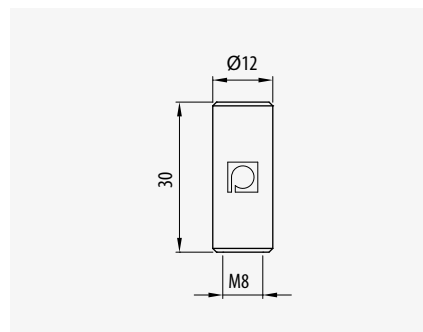
Conector M8

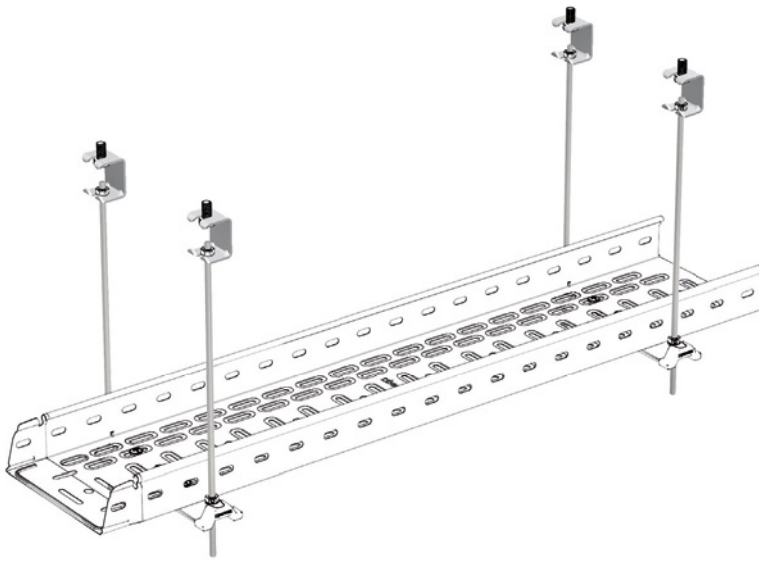
M8 Rod
Connector

Manchon
fileté M8

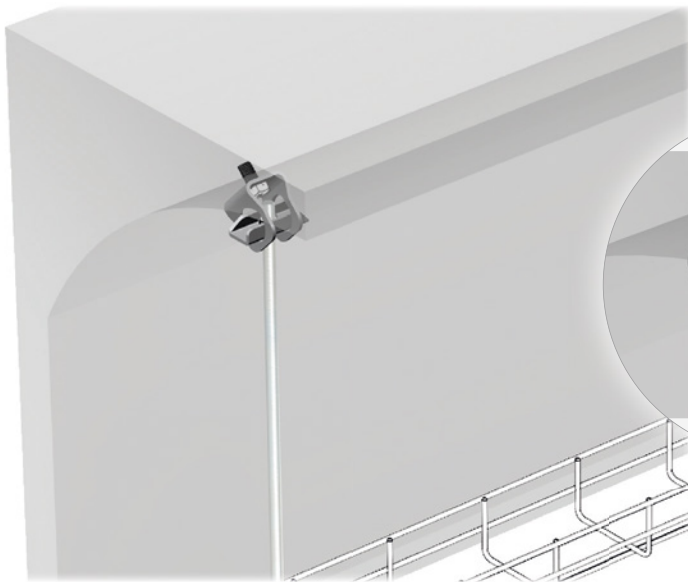
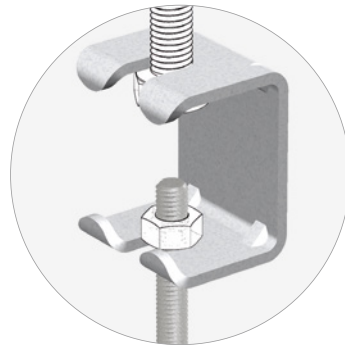


	Ref	kg/u	u
BC	67020067	0,016	50

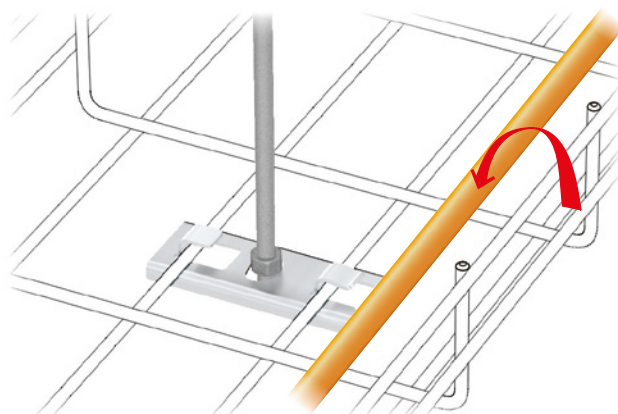
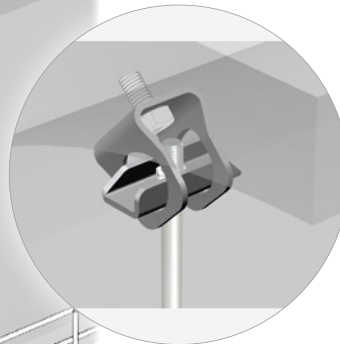




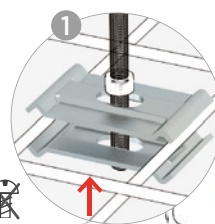
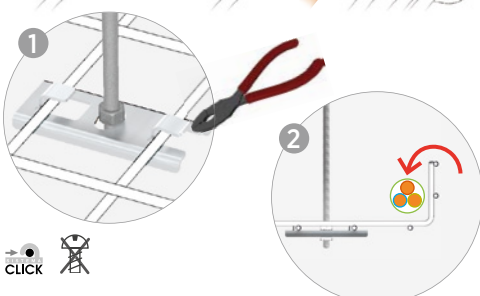
	x1		148
	x2		167



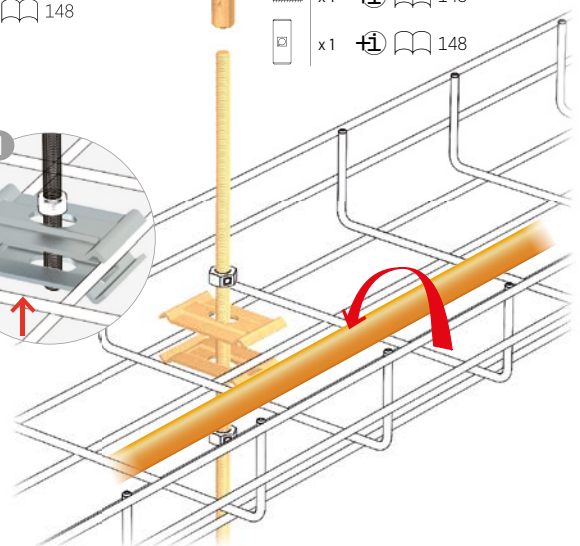
	x1		148
	x2		167



	x1		040
	x2		167
	x1		148



	x2		040
	x2		167
	x1		148
	x1		148





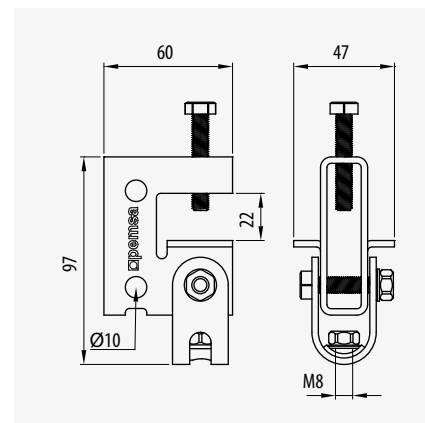
Conjunto
Péndulo
Grapa Viga

Beam Clamp
Hanging
Assembly

Agrafe poutre
pour suspension
par tige fileté



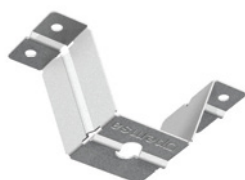
	Ref	kg/u	u
EZ	67020048	0,343	1



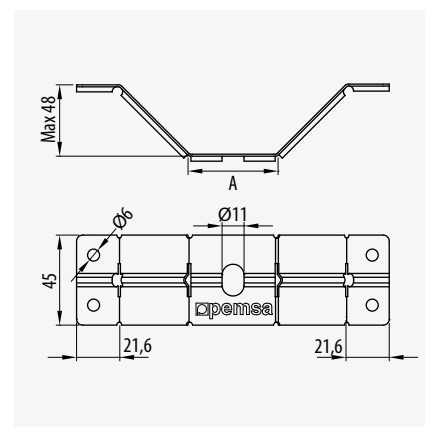
Soporte
Panel
Sandwich

Panel
Sandwich
Support

Support de
panneaux en
Sandwich



	A	Ref	kg/u	u
PG	45	67020020	0,065	10
	90	67020120	0,081	10
GC	45	67030020	0,068	10
	90	67030120	0,085	10



Garra
Horizontal de
Suspensión

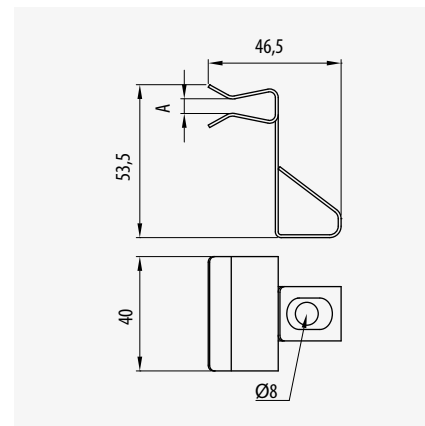
Horizontal
Angle
Hanger

Griffe
horizontale
de
suspension



A	Ref	kg/u	u
1,5 / 5	68000721	0,051	100
4,0 / 10	68000722	0,051	100

↓CTA↓ (kg) 65



Garra
Vertical de
Suspensión

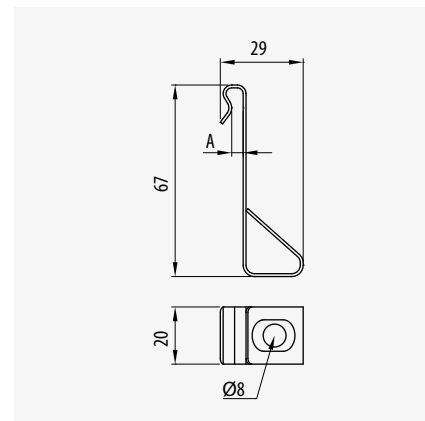
Vertical
Angle
Hanger

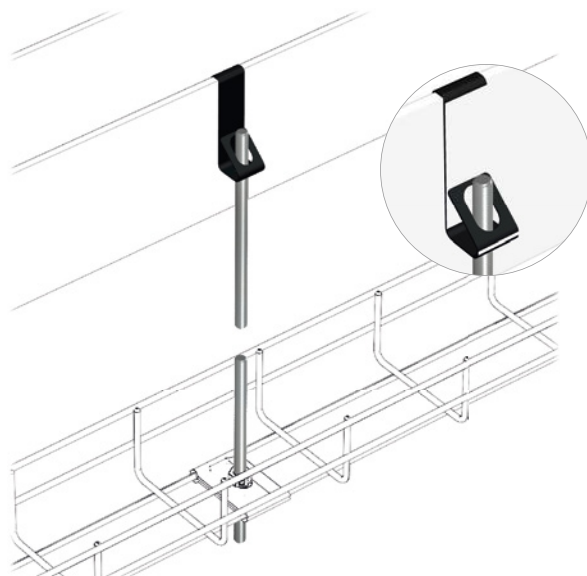
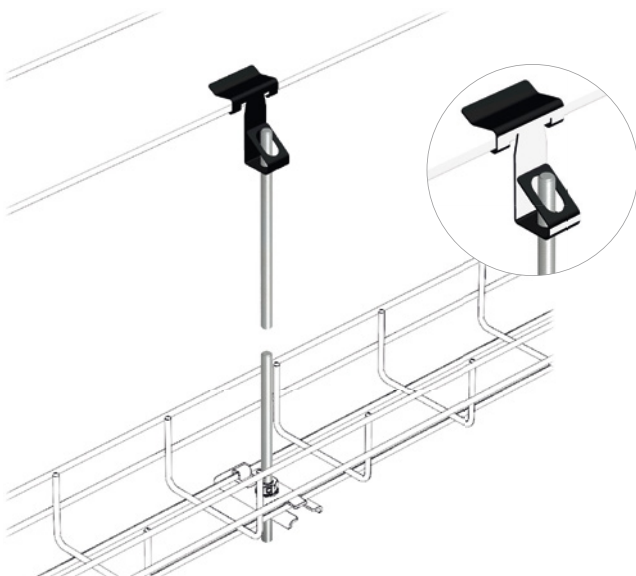
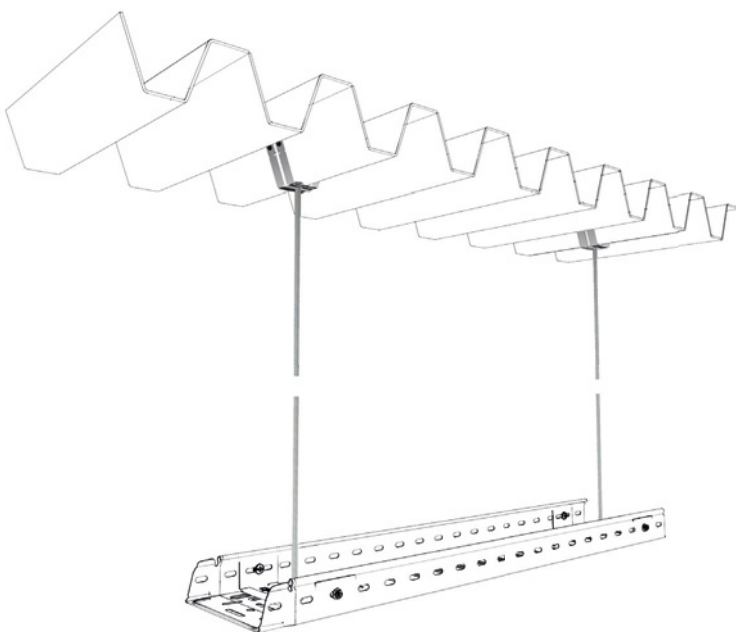
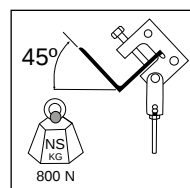
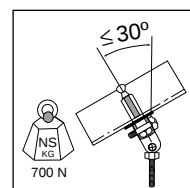
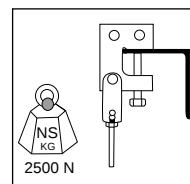
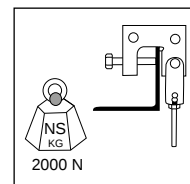
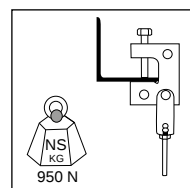
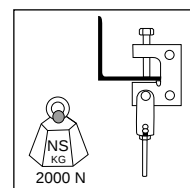
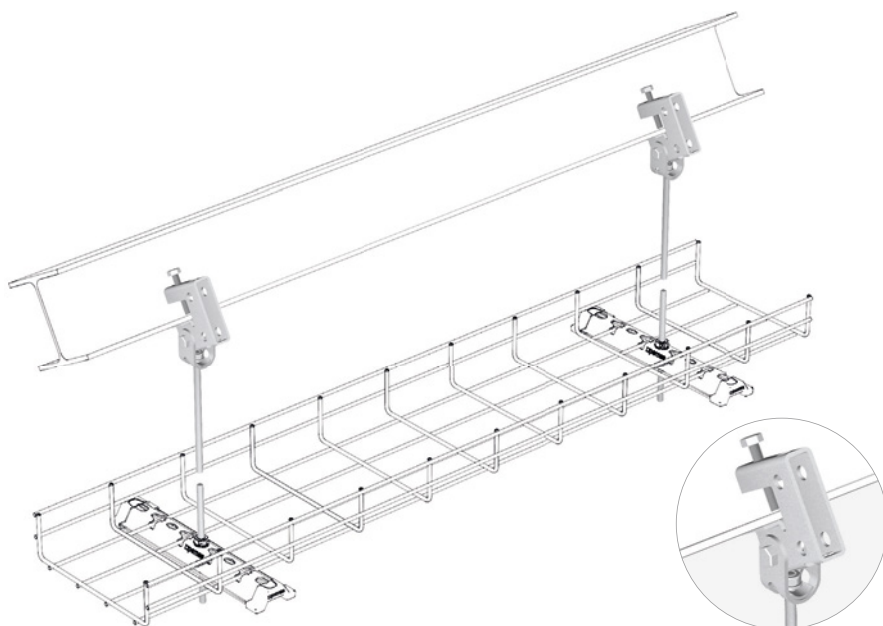
Griffe
verticale de
suspension



A	Ref	kg/u	u
1,5 / 5	68000731	0,041	100
4,0 / 10	68000732	0,041	100

↓CTA↓ (kg) 65





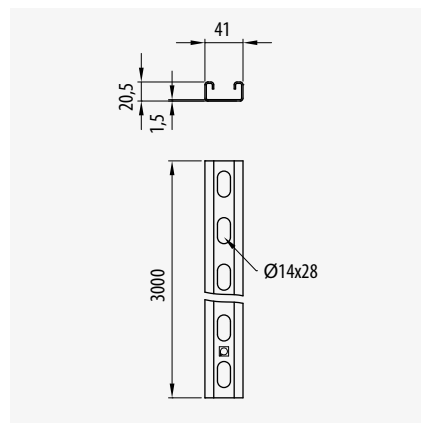
Raíl 41x21

Light Duty
Channel 41x21

Rail 41x21



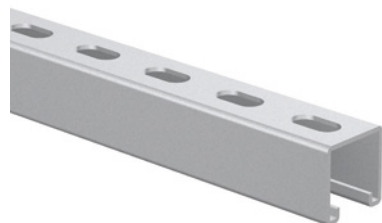
	e	Ref	kg/m	m
PG	1,5	67030075	1,211	3



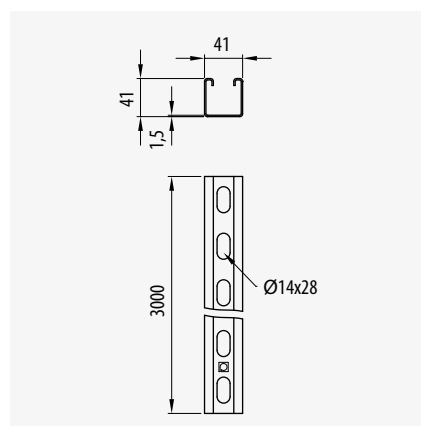
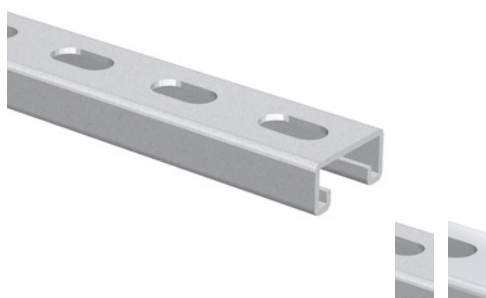
Raíl 41x41

Light Duty
Channel 41x41

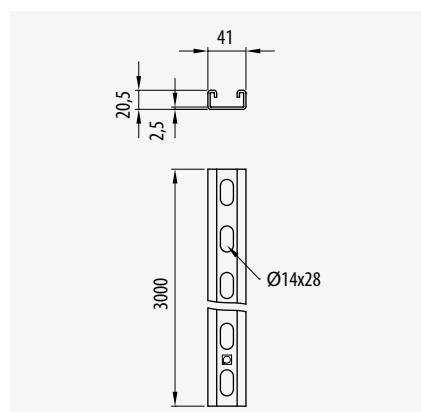
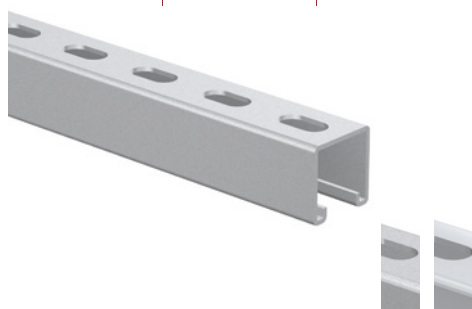
Rail 41x41



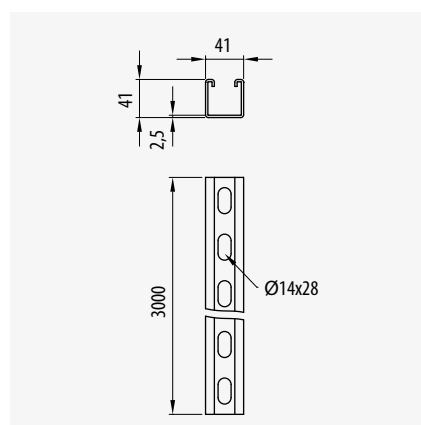
	e	Ref	kg/m	m
PG	1,5	67030074	1,681	3

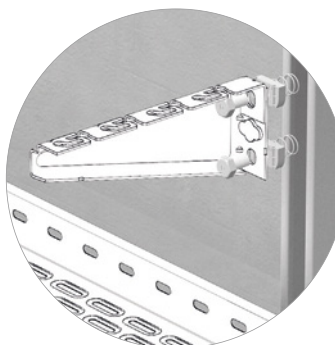
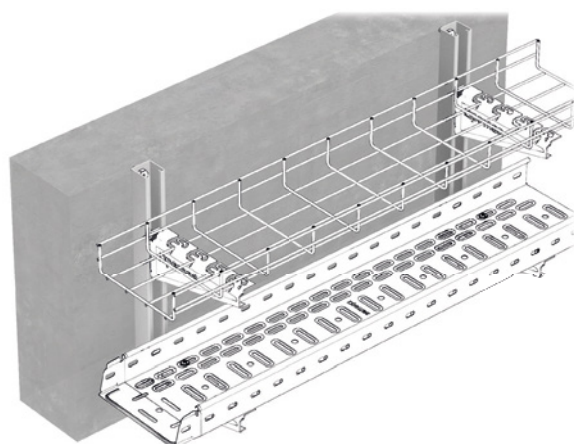
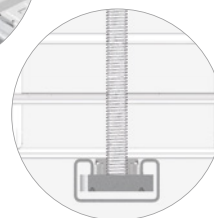
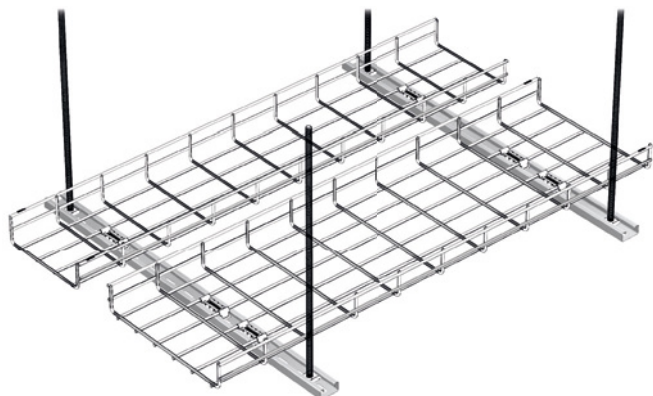
Raíl
Reforzado
41x21Heavy Duty
Channel
41x21Rail très
renforcé
41x21

	e	Ref	kg/m	m
PG	2,5	67030052	1,901	3
GC	2,5	67030055	1,803	3
316L	2,5	67060055	1,735	3

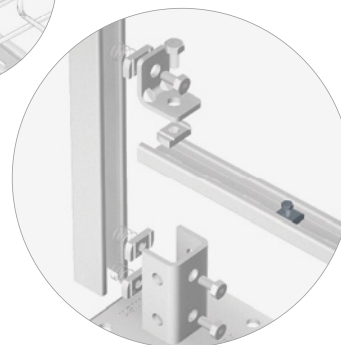
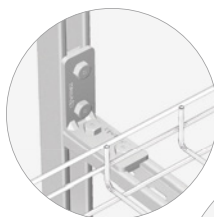
Raíl
Reforzado
41x41Heavy Duty
Channel
41x41Rail très
renforcé
41x41

	e	Ref	kg/m	m
PG	2,5	67030053	2,561	3
GC	2,5	67030057	2,561	3
316L	2,5	67060057	2,541	3

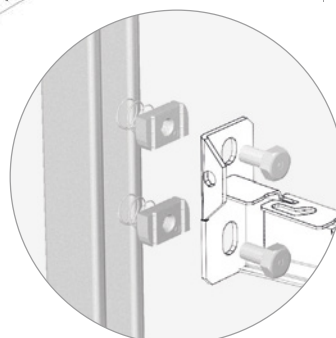
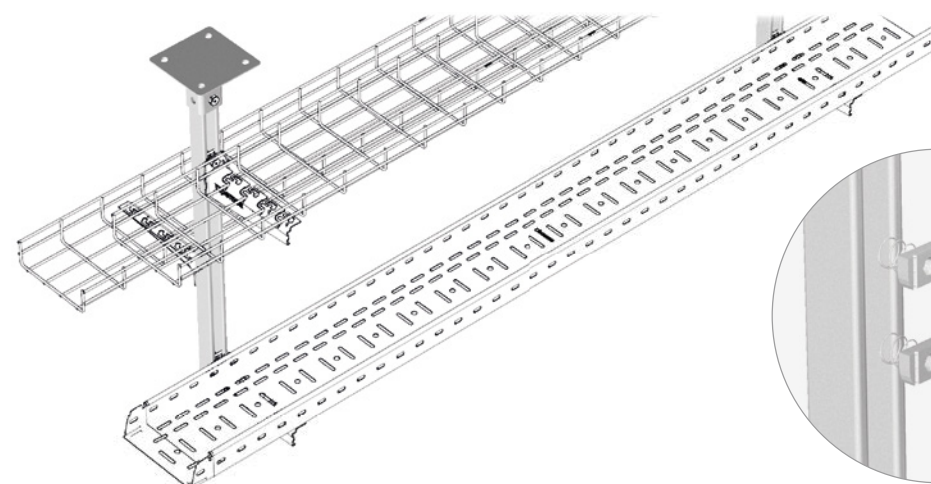




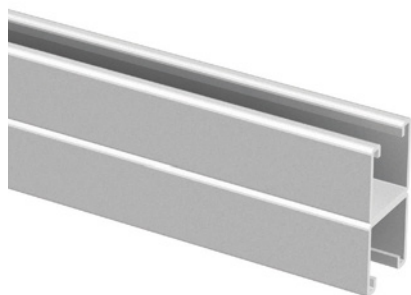
	M10x35	x2		167
		x2		154
		x1		152



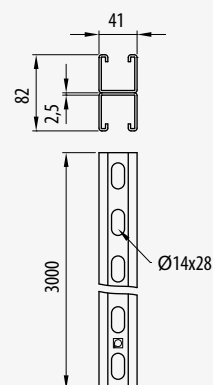
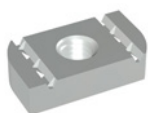
	M10x20	x2		167
		x2		154



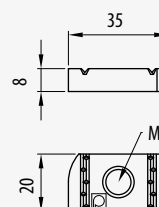
	M10x35	x2		167
		x2		154

**Rail Reforzado
41x82**
**Heavy Duty
Channel 41x82**
**Rail très
renforcé
41x82**


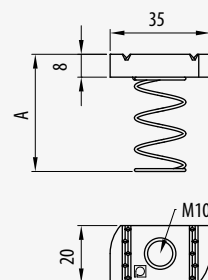
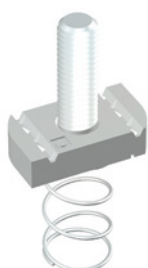
	e	Ref	kg/m	m
GC	2,5	67030157	5,292	3


Tuerca Rail
**Plain
Channel Nut**
Ecrou Rail 41


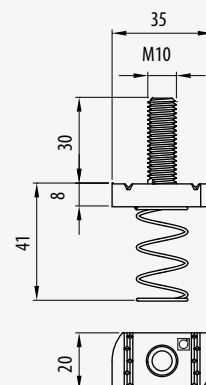
	M	Ref	kg/u	u
EZ	M8	67010056	0,031	100
	M6	67020055	0,031	100
GC	M8	67030056	0,031	100
316L	M8	67060056	0,031	100
	M10	67060058	0,031	100

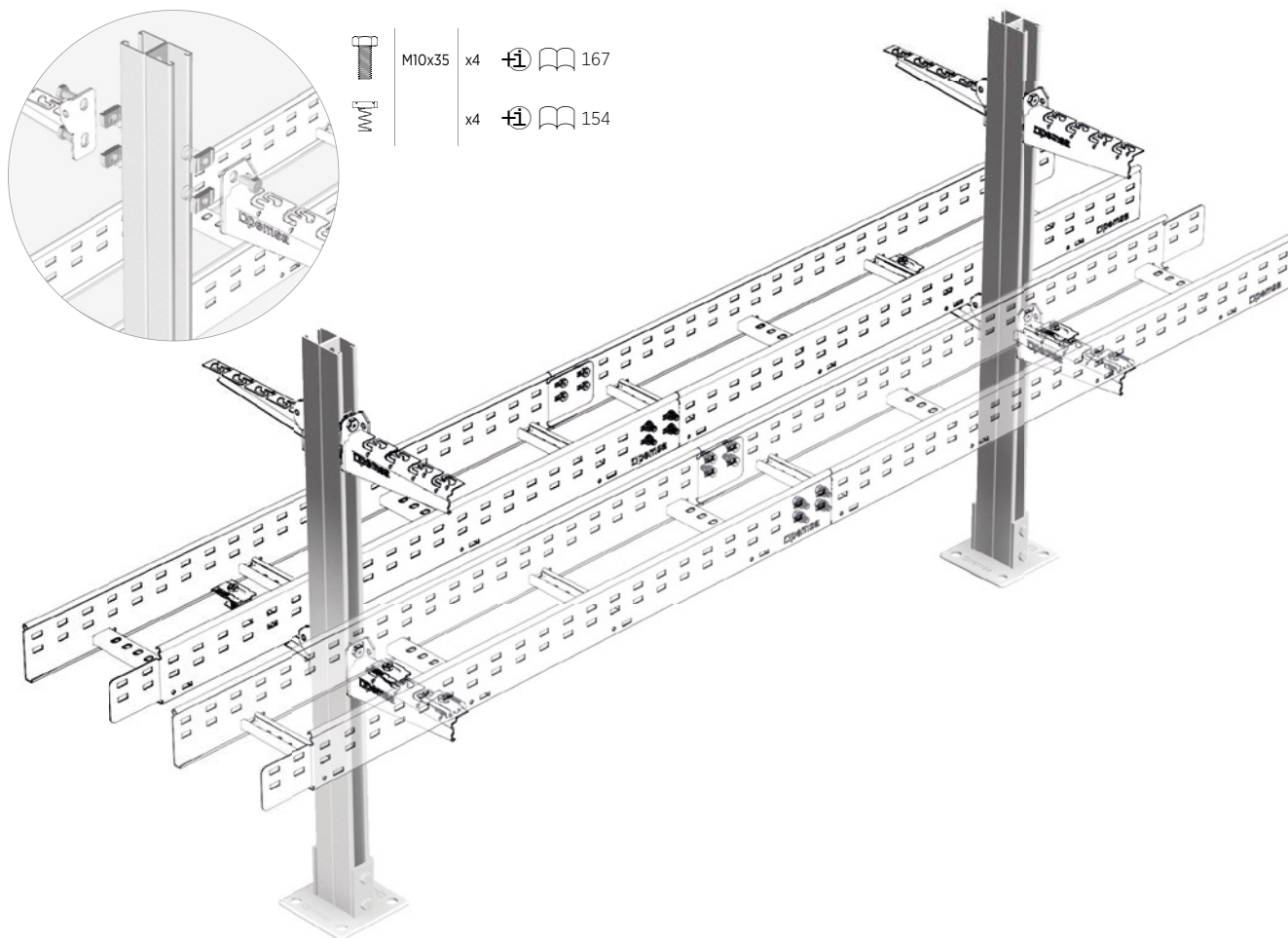

**Tuerca Muelle
Rail M10**
**Spring Channel
Nut M10**
**Ecrou à
Ressort
rail 21x41**


	A	Ref	kg/u	u
EZ	21	67020058	0,031	100
	41	67020158	0,031	100
GC	21	67030058	0,031	100
	41	67030158	0,031	100

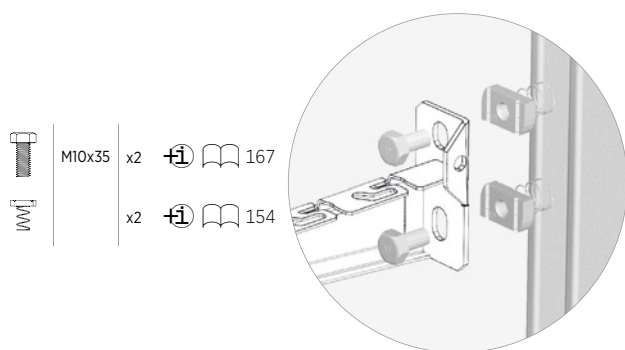

**Tornillo Muelle
Rail M10**
**Spring Channel
Screw M10**
**Ecrou6Vis
à Ressort**


	Ref	kg/u	u
EZ	67020159	0,023	100

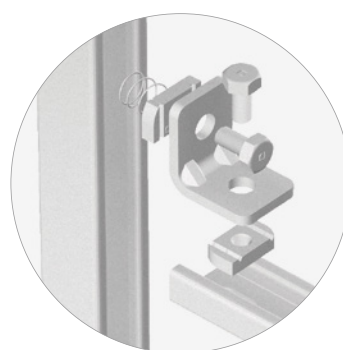




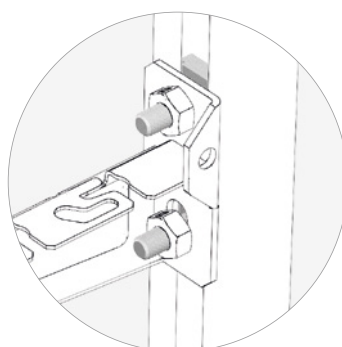
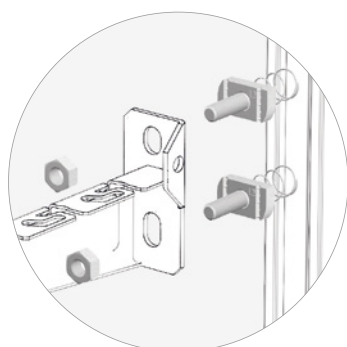
	M10x35	x4		167
		x4		154



	M10x35	x2		167
		x2		154



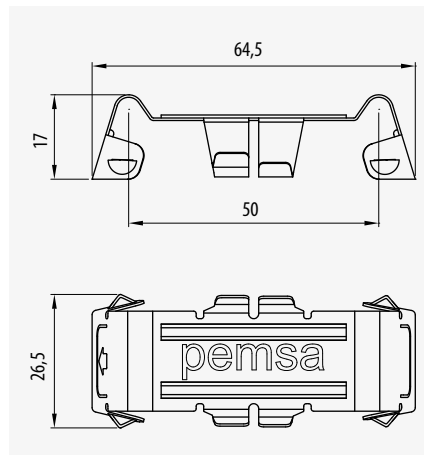
	M10x35	x2		167
	M10	x2		154
				157



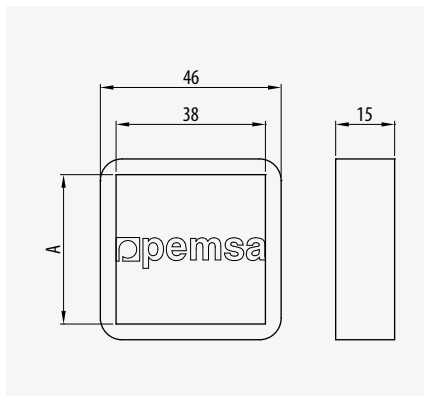
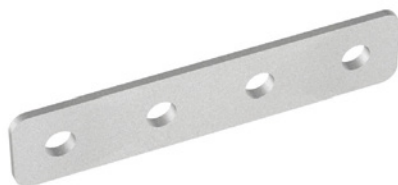
	M10x35	x2		154
	M10	x2		167

**Clip Fijación
Rail**
**Channel
Strut Clip**
**Fixation Rapide
Click Rail**

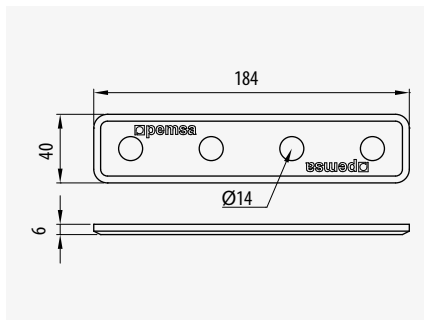

	Ref	kg/u	u
316L	67060050	0,008	100


 162 **M0A**

**Tapón Final
Raíl**
**Channel End
Plug**
**Embout de
Finition**

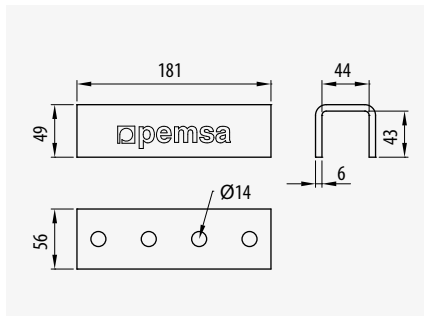

A	Ref	kg/u	u
41	68000074	0,021	50
21	68000075	0,021	100


 162 **M0B**

**Unión Recta
Nº 1**
**Splice Plate
Nº 1**
**Eclisse Plate
Nº 1**


	Ref	kg/u	u
GC	67030205	0,241	1


 162 **M01**

**Unión Recta
U Nº 2**
**U Shape Splice
Plate Nº 2**
**Eclisse U
Nº 2**


	Ref	kg/u	u
GC	67030214	0,291	1


 162 **M02**


Unión
Escuadra 90°
Nº 3

90° 2 Hole
Angle Bracket
Nº 3

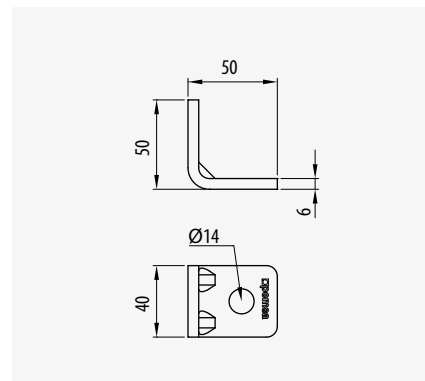
Equerre 90°
trous Nº 3



	Ref	kg/u	u
GC	67030201	0,151	1



+1 162 M03



Unión
Escuadra 90°
Nº 4

90° 4 Hole
Angle Bracket
Nº 4

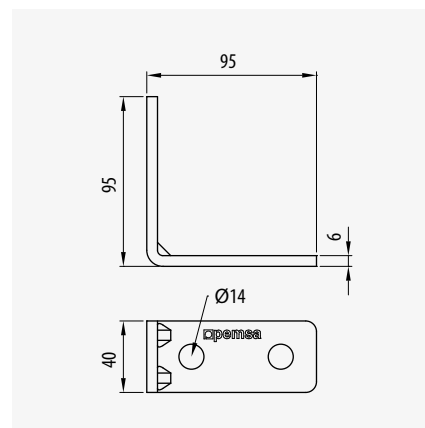
Equerre 90°
trou 4



	Ref	kg/u	u
GC	67030202	0,321	1



+1 162 M04



Unión
Escuadra 45°
Nº 5

45° External
Angle Bracket
Nº 5

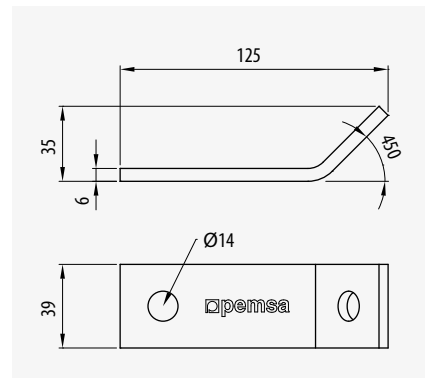
Equerre
135°Angle
Ext. Nº 5



	Ref	kg/u	u
GC	67030210	0,291	1



+1 162 M05



Unión
Escuadra 45°
Nº 6

45° Internal
Angle Bracket
Nº 6

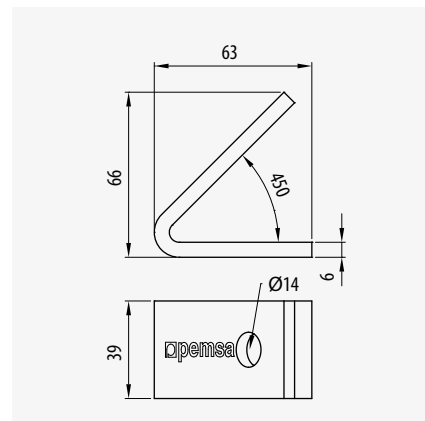
Equerre 45°
Angle Int
Nº 6



	Ref	kg/u	u
GC	67030209	0,151	1

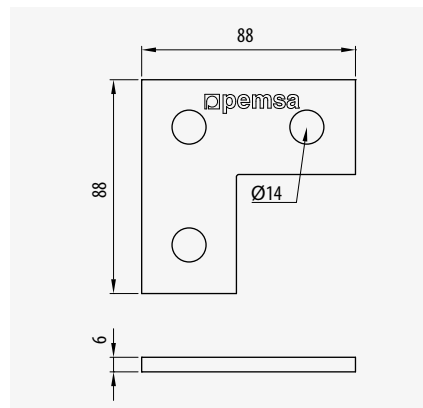


+1 163 M06

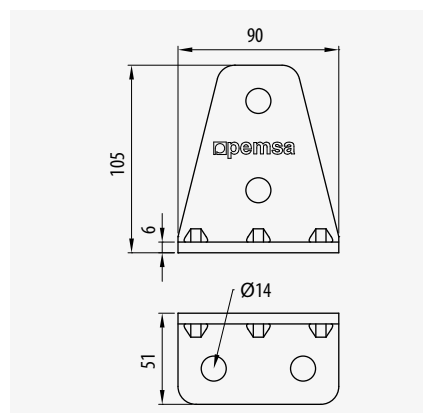


**Unión
Escuadra N° 7**
**L Bracket
N° 7**
**Equerre
Plate L N° 7**

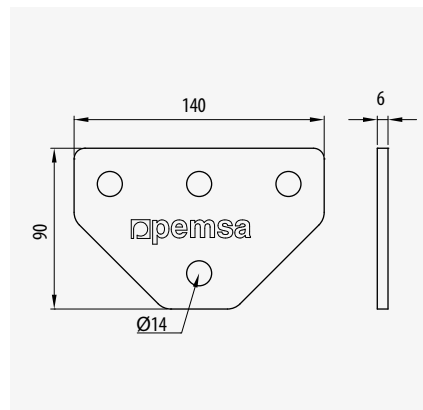

• 41x21 • 41x41			
	Ref	kg/u	u
GC	67030211	0,291	1


 163 **M07**

Unión T N° 8
**90° Tee Joint
N° 8**
**TE Equerre 4
trous N° 8**

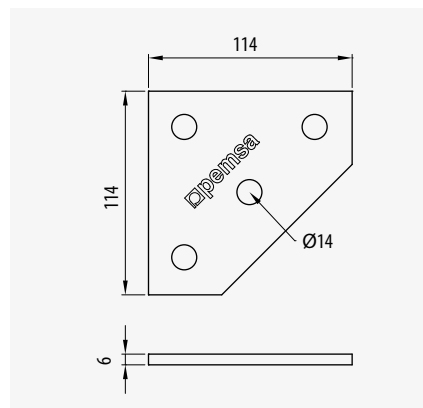

• 41x21 • 41x41 • 41x82			
	Ref	kg/u	u
GC	67030204	0,451	1


 163 **M08**

Unión T N° 9
**Flat Tee Joint
N° 9**
**TE Plat 3
trous N° 9**


• 41x21 • 41x41			
	Ref	kg/u	u
GC	67030203	0,311	1


 163 **M09**

**Unión
Escuadra
Triple N° 10**
**3 Way
Bracket N° 10**
**Union Plate
3 directions
45° N° 10**


• 41x21 • 41x41			
	Ref	kg/u	u
GC	67030212	0,291	1


 163 **M10**


**Unión
Escuadra
Reforzada
Nº 11**

**Reinforced
Angle
Bracket Nº 11**

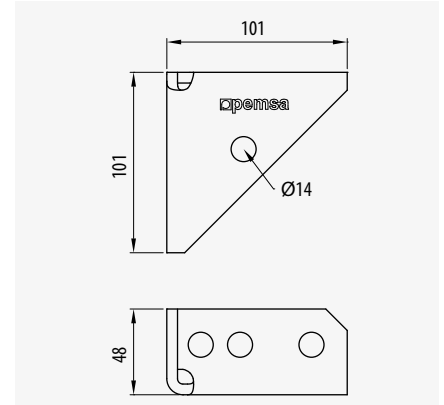
**Equerre
90°renforcée
Nº 11**



	Ref	kg/u	u
GC	67030213	0,291	1



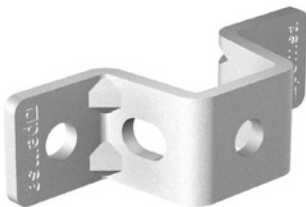
163 **M11**



**Unión U
41x41 Nº 12**

**Clamp 41x41
Nº 12**

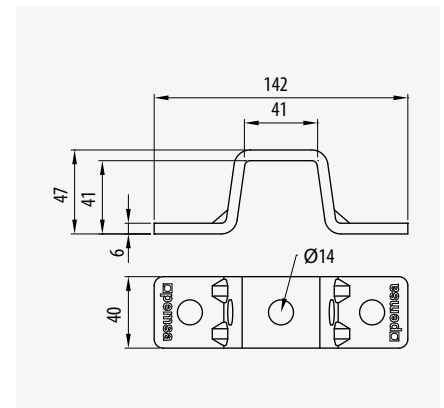
**Union
Oméga
41x41 Nº 12**



	Ref	kg/u	u
GC	67030207	0,336	1



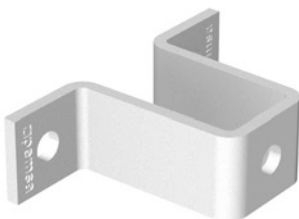
163 **M12**



**Unión U
41x82 Nº 13**

**Clamp 41x82
Nº 13**

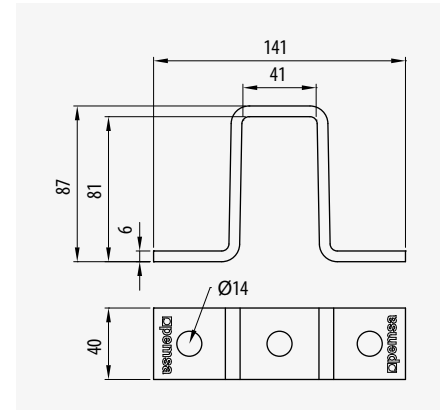
**Union
Oméga
41x82 Nº 13**



	Ref	kg/u	u
GC	67030208	0,151	1



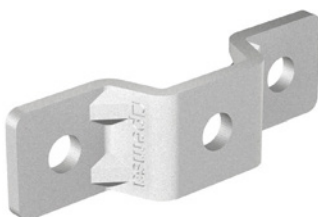
163 **M13**



**Unión U
41x21 Nº 14**

**Clamp 41x21
Nº 14**

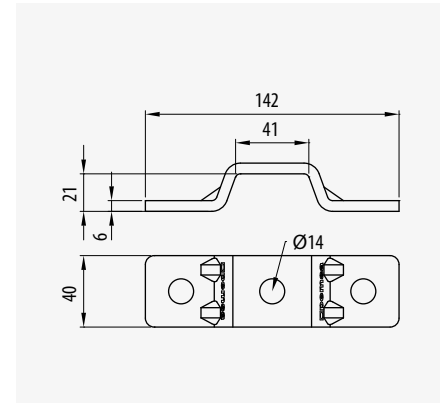
**Union
Oméga
41x21 Nº 14**



	Ref	kg/u	u
GC	67030206	0,284	1



164 **M14**



Unión
Escuadra
Doble N° 15

Double 90°
Bracket
N° 15

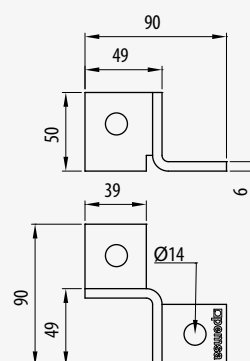
Equerre 90°
Double N° 15



	Ref	kg/u	u
GC	67030215	0,291	1



164 **M15**



Unión
Escuadra
Lateral 90°
N° 16

90° Tee
Bracket N° 16

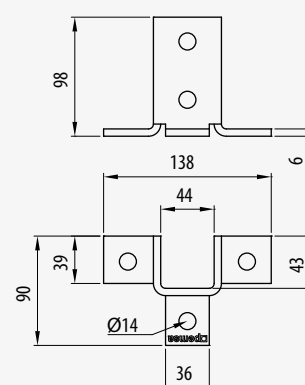
Equerre 90°
Triple N° 16



	Ref	kg/u	u
GC	67030216	0,291	1



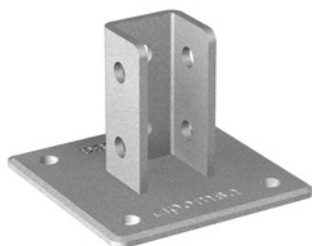
164 **M16**



Placa
Soporte
Vertical

Channel Floor
Boss 41x41

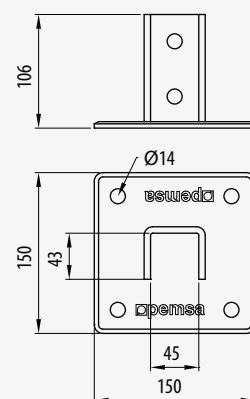
Pied Support
Vertical 41x41



	Ref	kg/u	u
GC	67030064	1,451	1



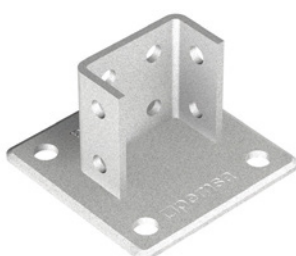
164 **M17**



Placa
Soporte
Vertical

Channel Floor
Boss 41x82

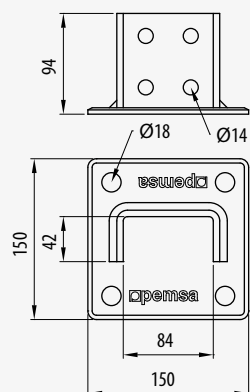
Pied Support
Vertical 41x82



	Ref	kg/u	u
GC	67030164	2,901	1



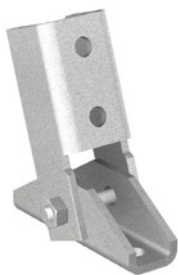
164 **M18**



Articulación

*Adjustable
Angle Bracket*

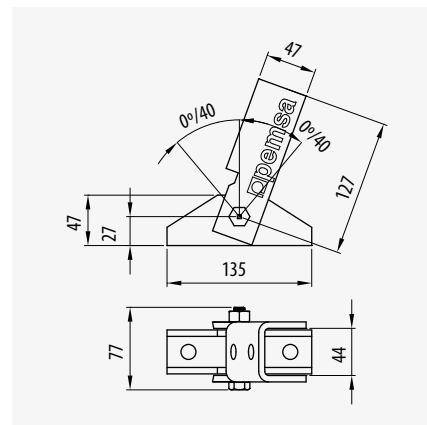
*Equerre
à Angle
variable*



• 41x21 • 41x41			
	Ref	kg/u	u
GC	67030102	0,351	1



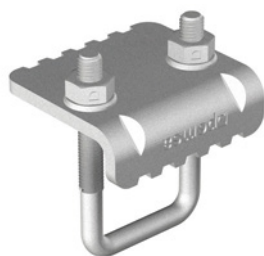
164 **M19**



**Grapa
Abarcón**

*Channel
Beam Clamp*

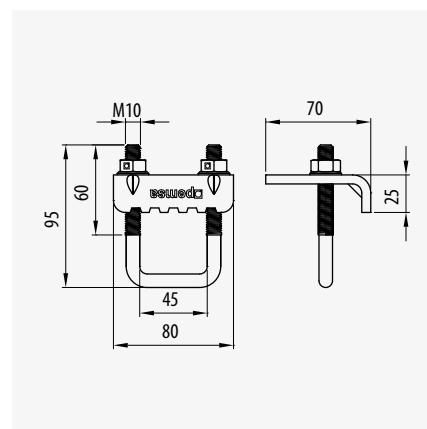
*Agrafe poutre
Rail 41x21*



• 41x21 • 41x41			
	Ref	kg/u	u
GC	67030101	0,351	1



164 **M20**



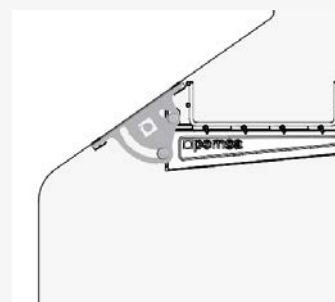
Soportes variables
Adjustable brackets
Supports variables

SOLUTIONS

Túneles

Tunnels

Tunnels



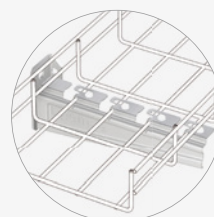
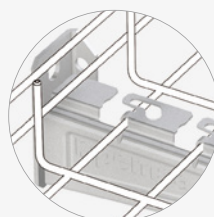
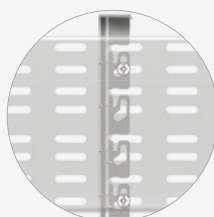
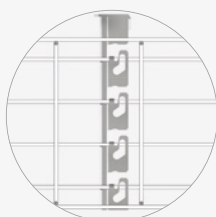
RPLUS

Soportes
Reforzados

Heavy Duty
Cantilever

Support
Renforcé

IDEA

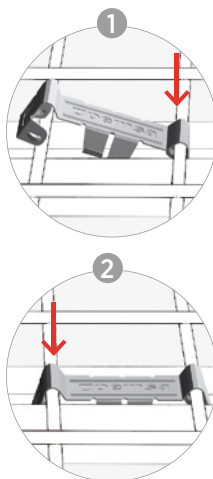
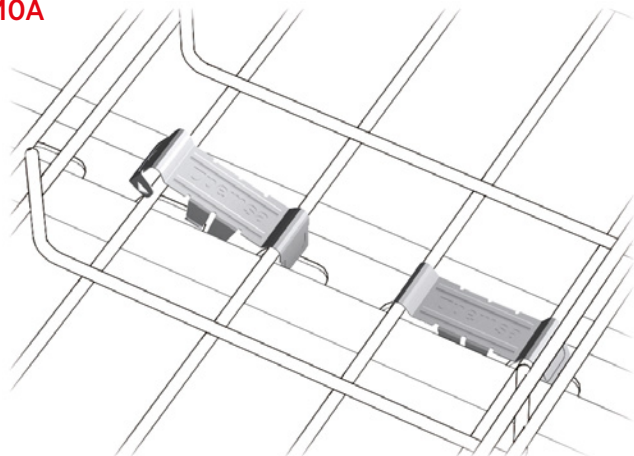


Universal
Compatible para todas las bandejas
Compatible with all of the cable trays
Compatible avec toutes les dalles

Sistema Click. Sin fijaciones
Click System. No additional fixings
Système click. Sans fixation



130

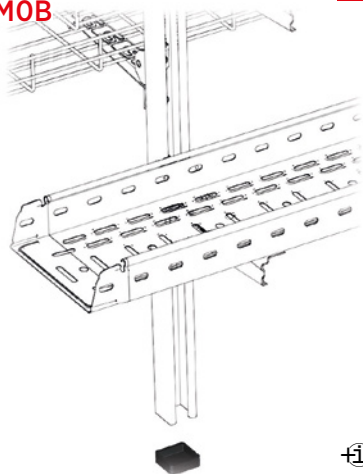
MOA

Montaje Rail 41x41 y 41x21
Assembly on 41x41 and 41x21 strut
Montage rail 41x41 e 41x21

Rápido y Seguro!!
Fast and Safety
Rapide & Fiable

Compatible con cualquier modelo
Compatible with any type
Compatible avec tous les modules

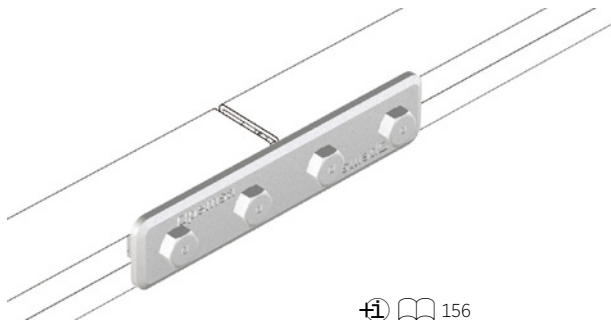
156

MOB

156

M01

	M10x35	x4			167
		x4			154

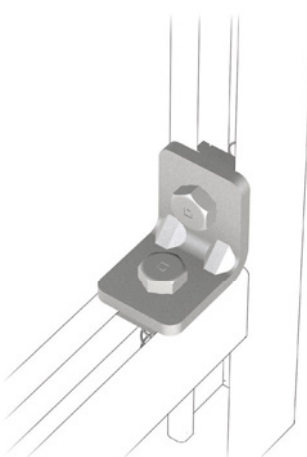


156

M02

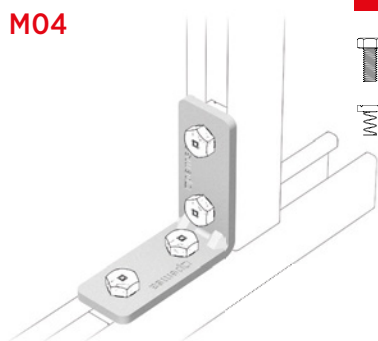
	M10x35	x2			167
		x2			154

157

M03

	M10x35	x2			167
		x2			154

157

M04

	M10x35	x4			167
		x4			154

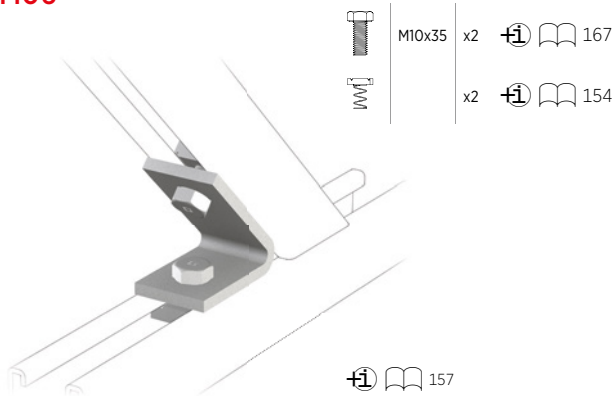
157

M05

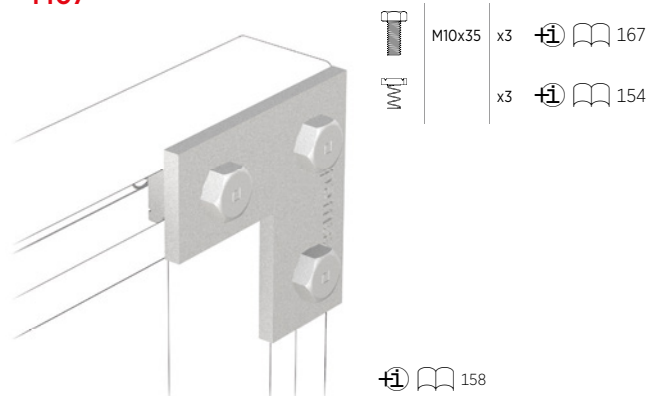
	M10x35	x2			167
		x2			154

157

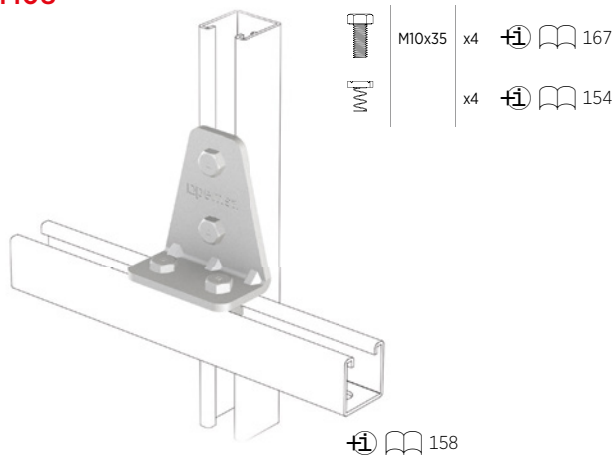
M06



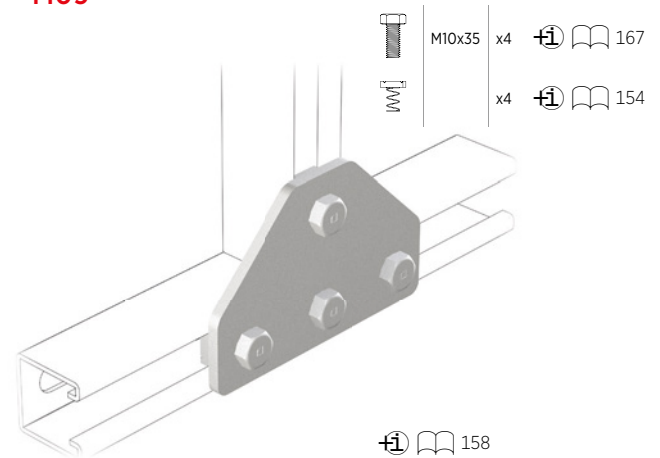
M07



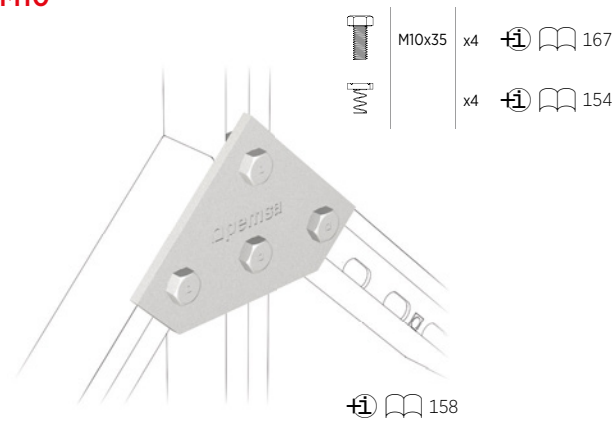
M08



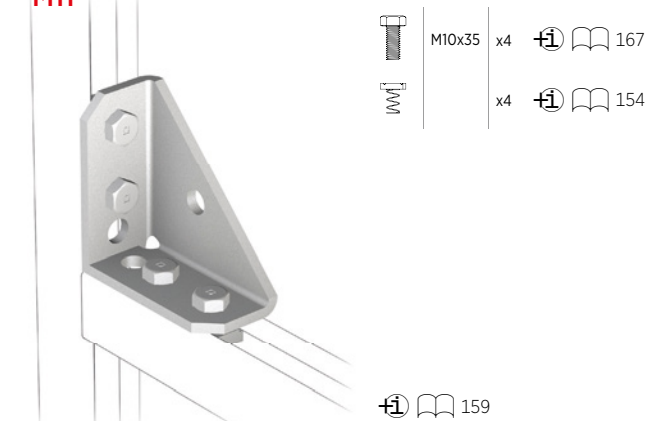
M09



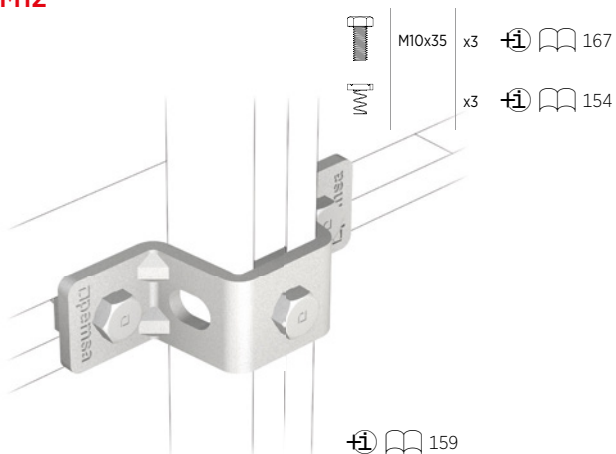
M10



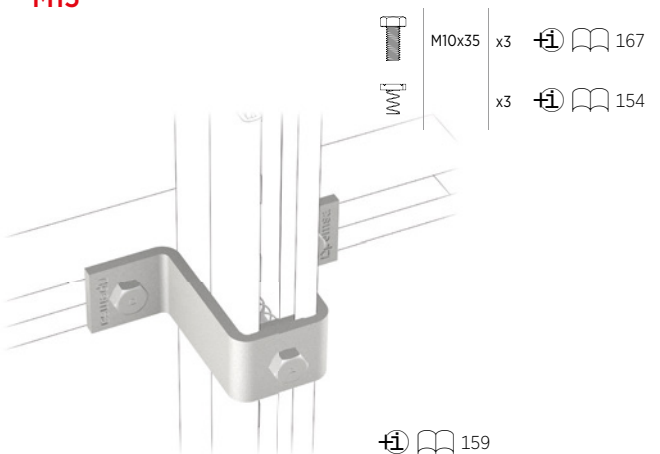
M11



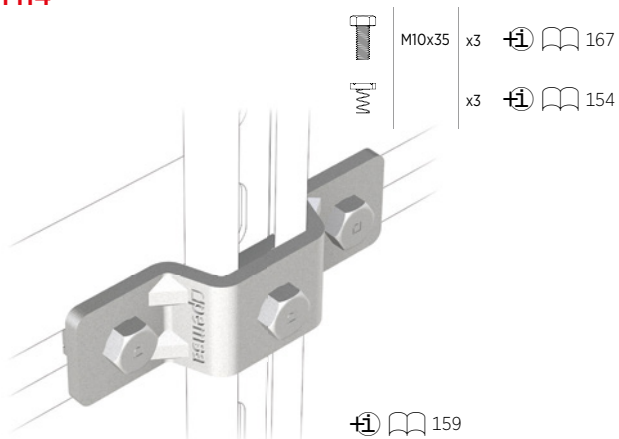
M12



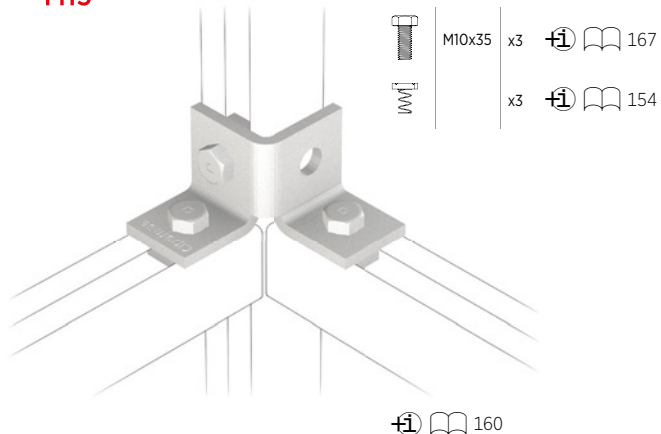
M13



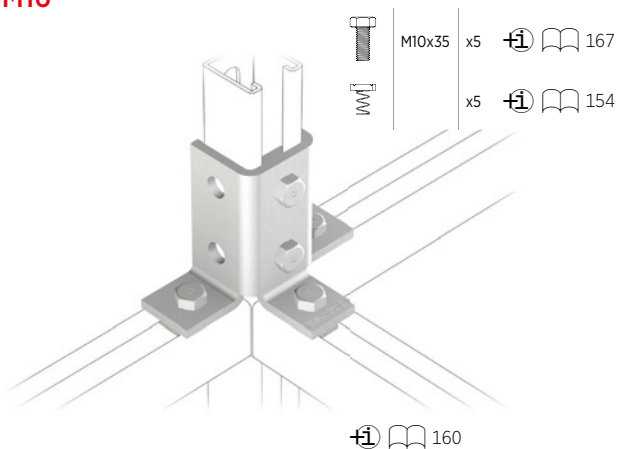
M14



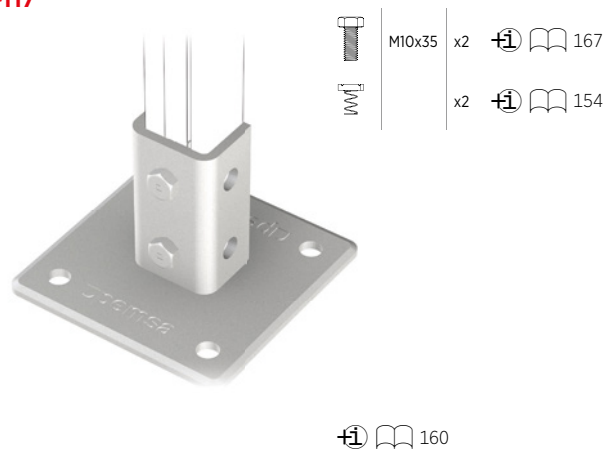
M15



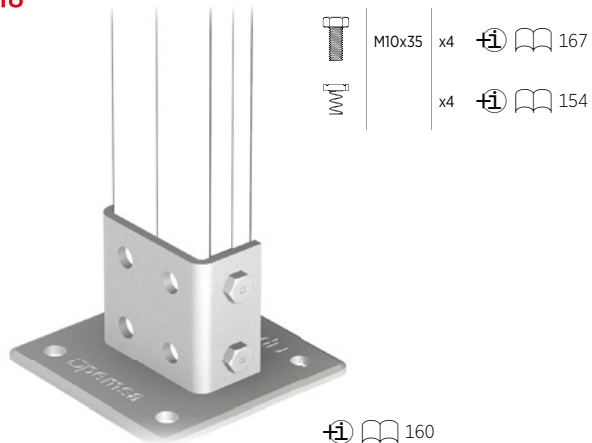
M16



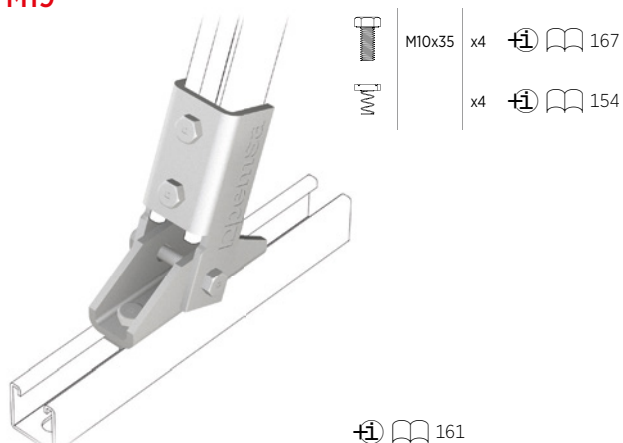
M17



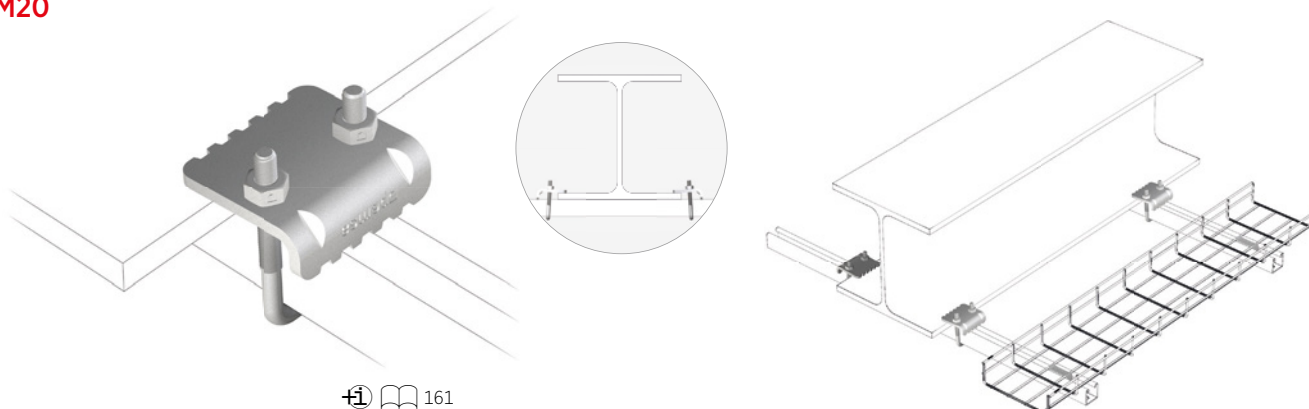
M18



M19



M20

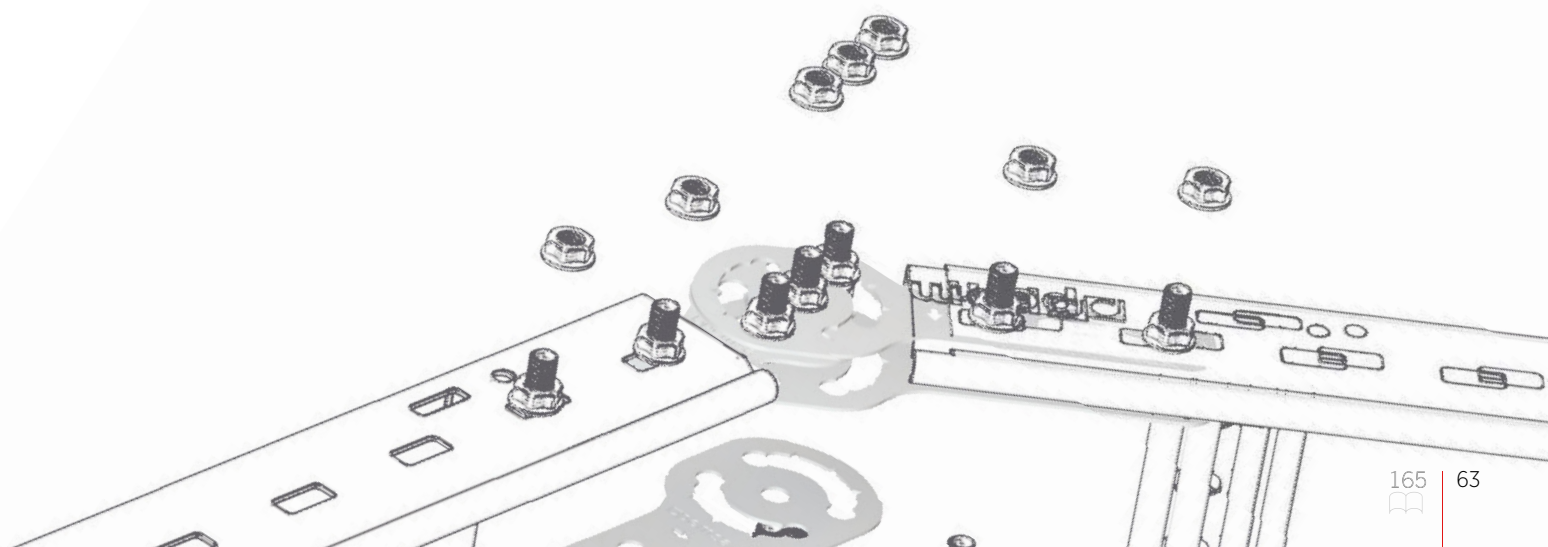
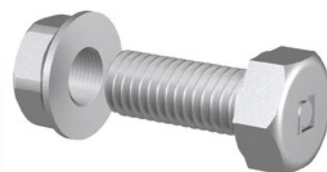
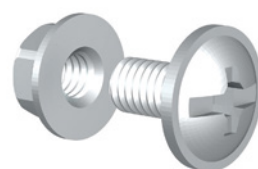


Tornillería / *Fixings* / *Visserie*

Gama de elementos de conexión para Sistemas de Bandejas

Range of fixings for Cable Tray Systems

Gamme Produits de connexion pour Système de Chemins de Câbles

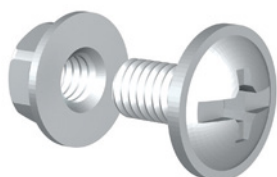




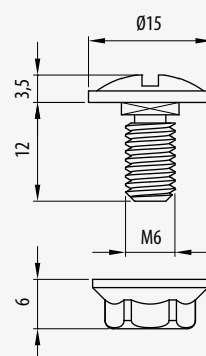
Kit Unión
pemsa^{band}

pemsa^{band}
Joint Kit

Kit Éclisse
pemsa^{band}



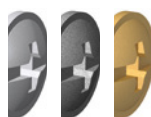
	M	Ref	kg/u	
EZ	M6	67010093	0,008	100
GC	M6	67030093	0,009	100



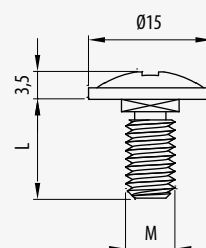
Tornillo
C/DIN603

Shoulder
Screw M6X12

Boulon
Poêlier



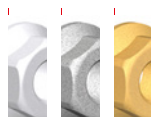
	M	Ref	kg/m	
EZ	M6x12	67010099	0,005	100
	M6x20	67010100	0,007	100
BC	M6x20	67020100	0,007	100
GC	M6x12	67030099	0,006	100
	M6x20	67030100	0,007	100
	M6x30	67030109	0,006	100
316L	M6x12	67060099	0,007	100
	M6x20	67060100	0,007	100



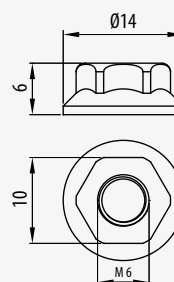
Tuerca
Arandela

Serrated Hexagon
Flange Nut

Ecrou à
Embase
Crantée



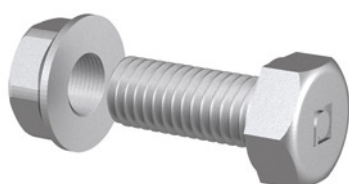
	M	Ref	kg/m	
EZ	M6	64010059	0,003	50
BC	M6	64020059	0,003	50
GC	M6	64030059	0,003	50
316L	M6	64060059	0,003	50



Kit Unión
mega^{band}

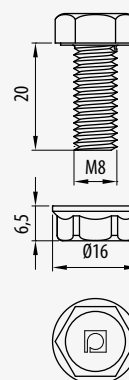
mega^{band}
Joint Kit

Kit Éclisse
mega^{band}



	M	Ref	kg/m	
GC	M8x20+M8	67030094	0,018	100

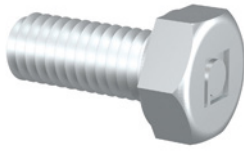
	M	Ref 1	Ref 2	
EZ	M8x20+M8	67010065	67020095	100
316L	M8x20+M8	67060065	67060062	100



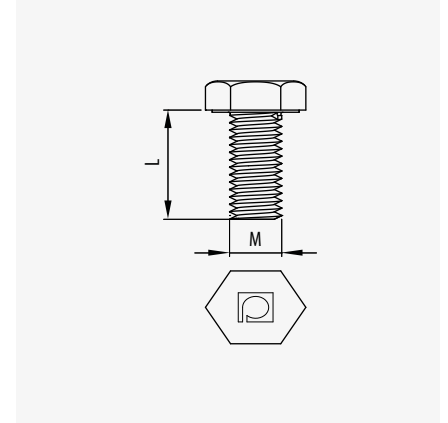
**Tornillo
C/Exagonal**

**Hexagonal
Set Screw**

**Vis
Héxagonale**



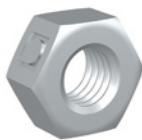
	M	Ref	kg/m	
EZ	M8x20	67010065	0,014	100
	M8x35	67010066	0,020	100
	M8x15	67010068	0,013	100
	M10x60	67020010	0,042	100
	M6x15	67020054	0,008	100
	M10x20	67020059	0,023	100
	M10x35	67020077	0,029	100
	M8x65	67020092	0,040	100
GC	M10x60	67030010	0,042	100
	M10x20	67030059	0,023	100
	M8x20	67030065	0,014	100
	M8x35	67030066	0,020	100
	M8x15	67030068	0,007	100
	M10x35	67030077	0,029	100
316L	M10x60	67060010	0,042	100
	M10x20	67060059	0,023	100
	M8x20	67060065	0,014	100
	M8x35	67060066	0,020	100
	M10x35	67060077	0,029	100



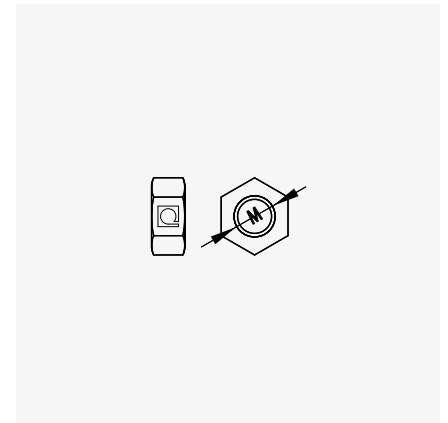
**Tuerca
Exagonal**

**Hexagonal
Nut**

**Ecrou
Hexagonal**



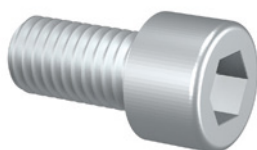
	M	Ref	kg/m	
BC	M10	67020014	0,008	100
	M8	67020062	0,005	100
EZ	M10	67020079	0,008	100
	M8	67020095	0,005	100
GC	M10	67030014	0,008	100
	M8	67030062	0,005	100
316L	M10	67060014	0,008	100
	M8	67060062	0,005	100



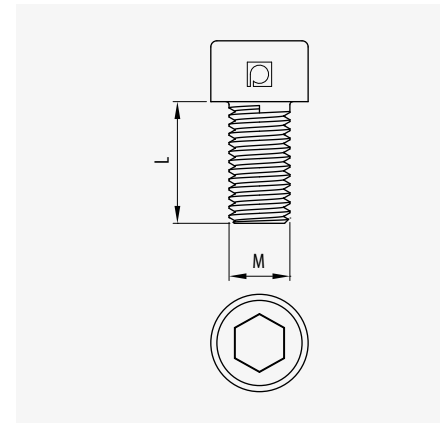
**Tornillo
C/Allen**

Allen Screw

Vis Allen



	M	Ref	kg/m	
EZ	M10x20	67020065	0,030	50
	M10x35	67020097	0,029	50

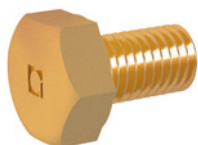




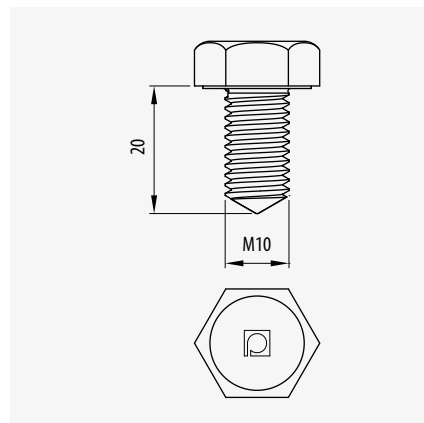
**Tornillo P/
Conica**

*Hexagonal
Cone Point
Screw*

*Vis
Conique*



	M	Ref	kg/m	
BC	M10x20	67020098	0,023	10



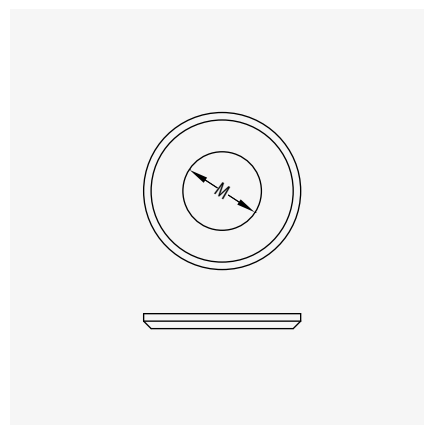
Arandela Plana

Washer

Rondelle Plate



	M	Ref	kg/m	
BC	M10	67020013	0,004	100
	M8	67020063	0,002	100
EZ	M10	67020061	0,002	100
	M8	67020083	0,002	100
GC	M10	67030013	0,002	100
	M8	67030063	0,002	100
316L	M10	67060064	0,002	100
	M8	67060063	0,002	100



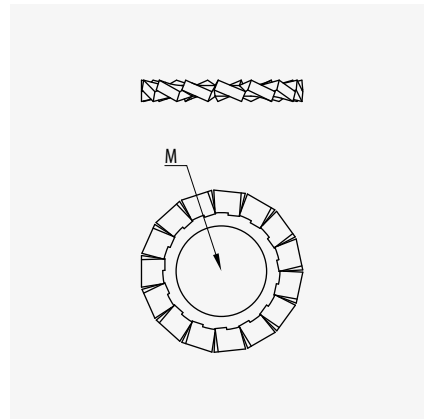
**Arandela
Estrella**

*Serrated
Washer*

*Rondelle
Éventail*



	M	Ref	kg/m	
PASSV	M8	67020084	0,001	100
	M10	67020086	0,001	100
	M10	67060086	0,001	100





Iconografía / Iconography / Iconographie

Icono <i>Icon</i> Ícone	Descripción en Español <i>English description</i> <i>Description en Français</i>	Icono <i>Icon</i> Ícone	Descripción en Español <i>English description</i> <i>Description en Français</i>
Generales / General / Générale			
	Consulta más información en la Web <i>See more information on the Web</i> <i>Voir plus d'informations sur le Web</i>		Más información <i>More information</i> <i>Plus d'information</i>
	Consultar página <i>Go to page</i> <i>Consultez la page</i>		Peso en kg por metro <i>Weight in kg per metre</i> <i>Poids en kg par mètre</i>
	Peso en kg por unidad <i>Weight in kg per unit</i> <i>Poids en kg par unité</i>		Embalaje <i>Packaging</i> <i>Conditionnement</i>
	Bajo Pedido <i>On Request</i> <i>Sur Demande</i>		Materia Prima <i>Raw material</i> <i>Matière Première</i>
Características Bandejas / Cable tray features / Caractéristiques Dalles			
	Nº de Referencia del producto <i>Product Reference number</i> <i>Numéro de référence du produit</i>		Ancho <i>Width</i> <i>Largeur</i>
	Altura / Ala <i>Height / Flange</i> <i>Hauteur</i>		Longitud <i>Length</i> <i>Longueur</i>
	Espesor <i>Thickness</i> <i>Épaisseur</i>		Patentado Pemsa <i>Patented Pemsa</i> <i>Breveté Pemsa</i>
	Sección útil <i>Useful section</i> <i>Section utile</i>		Tiempo de montaje (segundos) <i>Assembly time (seconds)</i> <i>Temps de montage (secondes)</i>
	Continuidad Eléctrica según norma IEC61537 <i>Electrical Continuity acc. to standard IEC61537</i> <i>Continuité Électrique selon norme IEC61537</i>		Sistema Click de unión rápida <i>Fast Joint Click System</i> <i>Système Click d'union rapide</i>
	Sin tornillos <i>No screws</i> <i>Sans vis</i>		Temperatura de trabajo <i>Working temperature range</i> <i>Température de travail</i>
	Carga de trabajo Admisible <i>Safe Working Load</i> <i>Charge de travail admissible</i>		Cargas de trabajo Ligeras kg/m <i>Light duty Loads kg/m</i> <i>Charges de travail légères kg/m</i>
	Cargas de trabajo medias kg/m <i>Medium duty Loads kg/m</i> <i>Charges de travail moyennes kg/m</i>		Cargas de trabajo elevadas kg/m <i>Heavy duty Loads kg/m</i> <i>Charges de travail élevées kg/m</i>
	Resistencia al Impacto <i>Impact Strength</i> <i>Résistance aux impacts</i>		Resistencia al Fuego <i>Fire resistance</i> <i>Résistance au feu</i>
	Diámetro de cable <i>Cable diameter</i> <i>Diamètre du câble</i>		Distancia entre Soportes en metros <i>Span distance in metres</i> <i>Distance entre supports en mètres</i>

Icono Icon Ícone	Descripción en Español English description Description en Français	Icono Icon Ícone	Descripción en Español English description Description en Français
Características de Tubos / Conduits features / Caractéristiques des Tubes			
DN	Diámetro Nominal Nominal Width Diamètre nominal		Diámetro interior Inside diameter Diamètre intérieur
	Diámetro exterior Outside diameter Diamètre extérieur		Radio de Curvatura Bending radius Rayon de courbure
	Tipo de Rosca Thread Size Type de filetage		Llave de apriete necesaria Torque wrench Outil de serrage nécessaire
	Codificación según Norma internacional de Tubos IEC 61386 International Standard of Conduits Code IEC 61386 Codification selon la Norme internationale de Conduits IEC 61386		Resistencia a la Compresión Compression Strength Résistance à la compression
	Resistencia al Impacto Impact Strength Résistance aux impacts		Temperaturas de trabajo. Working temperature range Températures du travail
	Clasificación IP IP Classification Classification IP		No propagador de la llama Flame retardant Non Propagateur de flamme
	Comportamiento Radiación Ultra Violeta Ultra Violet Radiation behaviour Comportement Radiation Ultra Violette		Flexibilidad Flexibility Flexibilité
Acabados y Materiales / Finishes and Materials / Finitions & Matériaux			
EZ	Electrocincado EN ISO 2081 Electrogalvanised EN ISO 2081 Electrozingage EN ISO 2081	BC	Electrocincado Bicromatado EN ISO 2081 Electrogalvanised Bichromate EN ISO 2081 Électrozingage Bichromaté EN ISO 2081
PG	Galvanizado Sendzimir EN 10346 Pregalvanised EN 10346 Galvanisation Sendzimir EN 10346	GC	Galvanizado en Caliente EN ISO 1461 Hot Dip Galvanising EN ISO 1461 Galvanisation à Chaud EN ISO 1461
BLACK C8	Acabado Alta Resistencia Clase C8 IEC 61537 High Resistance Coating Class C8 IEC 61537 Protection Haute Résistance Classe 8 IEC 61537	304	Acero Inoxidable AISI 304 Stainless Steel AISI 304 Acier Inoxydable AISI 304
316L	Acero Inoxidable AISI 316L Stainless Steel AISI 316L Acier Inoxydable AISI 316L	LAT	Latón Brass Laiton
PASSV	Pasivado Passivated Passivation	PC+ABS	Polycarbonato + ABS Libre de halógenos Halogen Free Polycarbonate + ABS Polycarbonate + ABS sans halogène
PVC	Policloruro de Vinilo Polyvinyl Chloride Polychlorure de vinyle	PP	Polipropileno Libre de Halógenos Polypropylene Halogen Free Polypropylène sans halogène
PA6	Poliamida 6 Libre de Halógenos Polyamide 6 Halogen Free Polyamide 6 sans halogène	PA12	Poliamida 12 Libre de Halógenos Polyamide 12 Halogen Free Polyamide 12 sans halogène
PU	Poliuretano Polyurethane Polyuréthane	PE	Polietileno Polyethylene Polyéthylène
AC	Acero al Carbono Carbon Steel Acier au Carbone	LN	Latón Niquelado Nickel-plated brass Laiton Nickelé
AL	Aluminio Aluminium Aluminium	NBR	Caucho NBR NBR rubber Caoutchouc NBR
PET	Poliéster Termoplástico Thermoplastic Polyester Polyesterester Thermoplastique	TPV	Termoplástico Thermoplastic Thermoplastique



Icono Icon Ícone	Descripción en Español English description Description en Français	Icono Icon Ícone	Descripción en Español English description Description en Français
EP	Acabado EPOXI EPOXI coating Finition EPOXI	RAL 9005	Color Negro RAL 9005 Black Colour RAL 9005 Couleur Noir RAL 9005
RAL 5012	Color Azul RAL 5012 Blue Colour RAL 5012 Couleur Bleu RAL 5012	RAL 5024	Color Azul RAL 5024 Blue Colour RAL 5024 Couleur Bleu RAL 5024
RAL 7000	Color Gris RAL 7000 Grey Colour RAL 7000 Couleur Gris RAL 7000	RAL 7011	Color Gris Oscuro RAL 7011 Dark Grey Colour RAL 7011 Couleur Gris Foncé RAL 7011
RAL 7031	Color Gris Oscuro RAL 7031 Dark Grey Colour RAL 7031 Couleur Gris Foncé RAL 7031	RAL 7035	Color Gris Claro RAL 7035 Light Grey Colour RAL 7035 Couleur Gris Clair RAL 7035
Homologaciones / Approvals / Homologations			
	Norma Internacional de Bandejas IEC 61537 Cable trays International Standard IEC 61537 Norme Internationale de Chemin de Câbles IEC61537		Norma Internacional de Tubos IEC 61386 Conduit International Standard IEC 61386 Norme Internationale de Conduits IEC61386
	Marcado N de AENOR + info pag 008 AENOR N Mark + info pag. 008 Marquage N de AENOR + info page 008		Conforme NEMA VE-1 Acc. to NEMA VE-1 Standard Conforme NEMA VE-1
	Conformidad CE con Directiva 2006/95 CE acc. to Directive 2006/95 CE Conformité CE avec Directive 2006/95 CE		Libre de Halógenos según EN 50267-2-1 Halogen free acc. to EN 50267-2-1 Sans halogène selon EN 50267-2-1
	Conformidad con Directiva RoHS 2002/95/CE Compliance with Directive RoHS 2002/95/CE Conformité avec la Directive RoHS 2002/95/CE		Ensayo Resistencia al Fuego E90 según DIN 4102-12 E90 Fire Resistance Test acc. to DIN 4102-12 Standard Résistance au feu E90 selon DIN 4102-12
NF	Certificación según Norme Française Approval acc. to Norme Française Certification selon Norme Française		Homologación Deutsche Bahn Deutsche Bahn Approval Homologation Deutsche Bahn
	Certificación Aplicaciones Marinas DNV Marine applications DNV Approval Certification DNV applications marines		Certificación UL Listed UL Listed Approval Certification UL Listed
	Certificación UL Certified UL Certified Approval Certification UL Certified		Certificación Canadiense CSA CSA Canadian Approval Certification canadienne CSA
	Certificación Alemana VDE VDE German Approval Certification allemand VDE		Certificación Germanischer Lloyd Germanischer Lloyd Approval Certification Germanischer Lloyd
	Certificación Rusa GOST Russian GOST Approval Certification Russe GOST		Certificación Áreas explosivas ATEX ATEX Hazardous Areas Approval Certification Zones explosifs ATEX
Soluciones de Producto / Product Solutions / Solutions Produits			
	Industria Alimentaria Food Industry Industrie Alimentaire		Industria Farmacéutica Pharmaceutical Industry Industrie Pharmaceutique
	Industria Petroquímica Petrochemical Industry Industrie Pétrochimique		Energía Energy Énergie
	Fotovoltaica Photovoltaic Photovoltaïque		Teleco / Centros de Proceso de Datos IT / Data Centers IT / Centres de Données
	Edificación Terciario Building Tertiary Édification Tertiaire		Túneles Infraestructuras Tunnels Infrastructures Tunnels Infrastructures
	Aplicaciones Ferroviarias Railway Applications Applications Ferroviaires		Solución Resistencia al Fuego E90 E90 Fire Resistance Solution Solution E90 Résistance au feu

Sistema de Tubos Pemsa

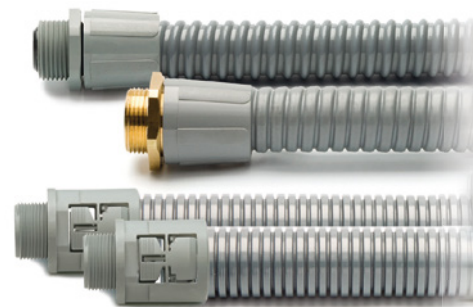
Guía de selección

Pemsa Conduits System

Selection guide

Systèmes de Conduits Pemsa

Guide de sélection



Pemsa Plastic 7035 System						Pemsa Metal Rigid					
Denominación <i>Designation</i> <i>Désignation</i>	RLH	RPVC	TM-PVC 7035	CLH	TFA 7035	RL / RLGC	RR / RRG	RAL	RINOX		
Tubo <i>Conduit</i> <i>Conduit</i>											
Características / <i>Features</i> / <i>Caractéristiques</i>											
	LH	PVC	PG	LH	PVC	EZ	GC	EZ	GC	Aluminio/ Aluminium	304
			PVC		PVC						
DN/SW min.	DN16	DN16	DN7	DN16	DN7	DN16		DN16		DN16	DN20
DN /SW max.	DN63	DN63	DN48	DN63	DN48	DN63		DN63		DN63	DN40
	-15°C	-15°C	-5°C	-15°C	-5°C	-45°C		-45°C		-45°C	-45°C
	+90°C	+90°C	+60°C	+90°C	+60°C	+400°C		+400°C		+250°C	+250°C
	Alta / High / Haute				Media Medium Moyenne	Muy Alta / Very High / Très haute					
 Flex	Rígido / Rigid / Rigide			Media / Medium / Moyenne		Rígido / Rigid / Rigide					
	OK according to IEC 60754-1	OK according to IEC 60754-1		OK according to IEC 60754-1		OK		OK		OK	OK
	OK	OK	OK	OK	OK	OK		OK		OK	OK
	IP54	IP54	IP54	IP67	IP40 / IP65	IP54		IP54		IP54	IP54
	4432	4432	4421	2232	2421	5557		5557		4456	5556
Homologaciones / <i>Approvals</i> / <i>Homologations</i>											
	 	 	 	 	 	 	 	 	 	 	
Aplicaciones / <i>Applications</i> / <i>Applications</i>											
 Tertiary	●	●	●	●	●	●	●	●	●	●	
 Tunnels	●	●	●	●	●	●	●	●	●	●	
 Photovoltaic/ Energy	●	●	●			●	●	●		●	
 Data Centers	●	●		●	●						
 Food Industry	●	●								●	
 Petrochemical Industry	●	●				●	●	●		●	
 Railway app.			●	●	●						
	176	178	180	180	180	184, 188	184, 188	190		192	



Sistema de Tubos Pemsa
Guía de selección

Pemsa Conduits System
Selection guide

Systèmes de Conduits Pemsa
Guide de sélection

Pemsa Flexible Metal & Plastic				Pemsaflex /Polyamide System						Denominación <i>Designation</i> <i>Désignation</i>
TFA	TM	TM-PVC	ECOFLEX	LG-PA	ST-PA	RF-PA	RB-PA	RB-PU	MACRO FLEX	
										Tubo <i>Conduit</i> <i>Conduit</i>
Características / Features / Caractéristiques										
PVC	PG	PG	PG	Poliamida/ Polyamide/PA 6	Poliamida/ Polyamide/PA 6	Poliamida/ Polyamide/PA 6	Poliamida/ Polyamide/PA 12	Poliuretano/ Polyurethane/ PU	Poliamida/ Polyamide/PA 6	Ⓜ
PVC		PVC	PVC							Ⓜ
07	07	07	07	07	07	07	07	17	52	DN/SW min.
48	48	48	48	48	48	48	70	70	90	DN/SW max.
-5°C	-45°C	-5°C	-5°C	-40°C	-40°C	-40°C	-50°C	-5°C	-40°C	°C+
+60°C	+150°C	+60°C	+60°C	+105°C	+105°C	+105°C	+105°C	+90°C	+105°C	°C+
Media Medium Moyenne	Muy Alta Very High Très haute	Media Medium Moyenne	Media Medium Moyenne	Alta High Haute	Muy Alta Very High Très haute	Muy Alta Very High Très haute	Muy Alta Very High Très haute	Muy Alta Very High Très haute	Muy Alta Very High Très haute	UV
Alta High Haute	Alta High Haute	Alta High Haute	Alta High Haute	Alta High Haute	Alta High Haute	Media Medium Moyenne	Muy Alta Very High Très haute	Muy Alta Very High Très haute	Media Medium Moyenne	Flex
	OK			OK	OK	OK	OK	OK	OK	HF
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	✗
IP40 / IP65	IP40	IP65	IP65	IP54 / IP67	IP54 / IP67	IP54 / IP67	IP54 / IP67	IP54 / IP67	IP54 / IP67	IP
2421	4455	4421	3421	2443	2443	3443	2422	1522	2453	IEC 61386
Homologaciones / Approvals / Homologations										
CE RoHS IEC 61386	CE RoHS IEC 61386	CE RoHS IEC 61386	CE RoHS IEC 61386	CE RoHS IEC 61386	CE RoHS IEC 61386	CE RoHS IEC 61386 DB IEC 61386	CE RoHS IEC 61386 DB IEC 61386	CE RoHS IEC 61386 DB IEC 61386	CE RoHS IEC 61386 NF DB IEC 61386	IEC 61386
Aplicaciones / Applications / Applications										
•	•	•	•	•	•				•	Tertiary
•	•	•	•	•	•					Tunnels
		•	•	•	•	•	•	•	•	Photovoltaic/ Energy
•				•	•	•	•	•	•	Data Centers
		•	•	•	•	•			•	Food Industry
	•	•	•	•	•	•			•	Petrochemical Industry
•	•	•	•	•	•	•	•	•	•	Railway app.
194	194	195	195	202	202	202	203	203	203	±1



Gama de Prensaestopas

Guía de selección

Cable Glands Range

Selection guide

Gamme de Presse-Étoupes

Guide de Selection

Prensaestopas Plásticos / Plastic Cable Glands / Presse-Étoupes Plastiques

Denominación <i>Designation</i> <i>Designation</i>	PK	IRIS-P	IRIS	HSK-K	HSK-K-EX	HSK-FLEX
Prensaestopa <i>Cable Gland</i> <i>Presse-Étouple</i>						
Características / <i>Features</i> / <i>Caractéristiques</i>						
	Poliamida / <i>Polyamide</i> / <i>Polyamide</i>					
Junta / <i>Joint</i>	TPV	NBR	NBR	NBR	NBR	NBR
M	M12-M40	M12-M63	M12-M63	M12-M63	M12-M63	M12-M25
PG	PG7-PG36	PG7-PG29	PG7-PG48	PG7-PG48	PG7-PG48	PG7-PG21
DN Ø	3,5 / 32	3,0 / 44,0	3,0 / 44,0	3,0 / 44,0	3,0 / 44,0	3,0 / 18,0
	-20°C +80°C	-20°C +80°C	-40°C +100°C	-40°C +100°C	-40°C +100°C	-40°C +105°C
UV	Buena / <i>Good</i> / <i>Bon</i>	Alta / <i>High</i> / <i>Haute</i>	Alta / <i>High</i> / <i>Haute</i>	Muy Alta / <i>Very High</i> / <i>Très Haute</i>		
	OK	OK	OK	VO according to UL94	VO according to UL94	VO according to UL94
HF	OK	OK	OK	OK	OK	OK
	OK	OK	OK	OK	OK	OK
	RAL 7035	RAL 7035 RAL 9005	RAL 7035 RAL 7031 RAL 9005	RAL 7035 RAL 9005	RAL 5012 RAL 9005	RAL 7035
IP	IP54	IP68	IP68	IP68 (10 bares)	IP68 (10 bares)	IP68 (10 bares)
Homologaciones EN 60259 / <i>Approvals EN 60259</i> / <i>Homologations EN 60259</i>						
	CE RoHS	CE RoHS UL	CE RoHS	CE RoHS cUL US GL UL PC	CE RoHS cUL US GL UL PC Ex	CE RoHS cUL US GL UL PC
Aplicaciones / <i>Applications</i> / <i>Applications</i>						
Tertiary	•	•	•			•
Petrochemical Industry				•	•	
Railway app.		•	•	•		•
Energy		•	•	•		•
Photovoltaic/ Energy		•	•	•		•
Food Industry						
	224	224	225	225	226	227

Gama de Prensaestopas
Guía de selección

Cable Glands Range
Selection guide

Gamme de Presse-Étoupes
Guide de Selection

Prensaestopas Metálicos / Metal Cable Glands / Presse-Étoupes Metalliques

PM / PML	IRIS-M	HSK-M	HSK-MZ	HSK-M-EX	HSK-M-EMV-D	HSK-INOX / HD	Denominación Designation Designation
							Prensaestopa Cable Gland Presse-Étouple
Características / Features / Caractéristiques							
Latón Niquelado / Nickel-Plated Brass / Laiton Nickelé							304 (M)
Neopreno	NBR	NBR	NBR	NBR	NBR	NBR	(M) Junta / Joint
M12-M63	M12-M63	M12-M63	M12-M63	M12-M63	M12-M63	M12-M40	M
PG7-PG36	PG7-PG36	PG7-PG48		PG7-PG48			PG
4,0 / 46,0	3,0 / 48,0	3,0 / 44,0	3,0 / 44,0	3,0 / 44,0	3,0 / 44,0	3,0 / 32,0	DN Ø
-15°C	-40°C	-40°C	-40°C	-60°C	-60°C	-40°C	°C+
+60°C	+100°C	+100°C	+100°C	+130°C	+130°C	+100°C	
Alta / High / Haute	Muy Alta / Very High / Très Haute						UV
OK	OK	VO according to UL94	VO according to UL94	VO according to UL94	VO according to UL94	VO according to UL94	HF
OK	OK						HF
							IP
Metal	Metal	Metal	Metal	Metal	Metal	Metal	
IP54	IP68	IP68 (10 bares)	IP68 (10 bares)	IP68 (10 bares)	IP68 (10 bares)	IP68 (10 bares)	IP
Homologaciones EN 60259 / Approvals EN 60259 / Homologations EN 60259							
CE RoHS	CE RoHS	CE RoHS CULS	CE RoHS CULS	CE RoHS CULS	CE RoHS CULS	CE RoHS CULS	
		UL CULS GL	UL CULS GL	UL CULS GL	UL CULS GL	UL CULS GL	
		UL CULS GL	UL CULS GL	UL CULS GL	UL CULS GL	UL CULS GL	
		UL CULS GL	UL CULS GL	UL CULS GL	UL CULS GL	UL CULS GL	
		UL CULS GL	UL CULS GL	UL CULS GL	UL CULS GL	UL CULS GL	
		UL CULS GL	UL CULS GL	UL CULS GL	UL CULS GL	UL CULS GL	
Aplicaciones / Applications / Applications							
•	•	•	•	•	•	•	Tertiary
			•	•	•	•	Petrochemical Industry
			•	•	•	•	Railway app.
			•	•	•	•	Energy
	•	•					Photovoltaic/ Energy
						•	Food Industry
228	229	229	230	230	231	231	1

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