pemsa

Cable Management Solutions

CATÁLOGO GENERAL

GENERAL CATALOGUE

CATALOGUE GÉNÉRAL

CATÁLOGO GERAL

505



www.pemsa-rejiband.com

Especialistas en Sistemas



de Bandejas Portacables,
Tubos Rígidos, Flexibles y Accesorios

pemsa
Cable Management Solutions

Novedades / *News* / *Nouveautés*/ *Novidades*
Empresa / Company / Entreprise / Empresa • Info / *Info* / *Info* / *Info* 001-010

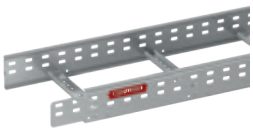
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Système de chemin de câbles supports et accessoires. Guide des produits
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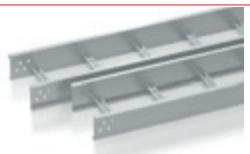
rejiband® / **rejitech®**

Sistema de Bandejas de rejilla electrosoldada
Electrowelded Wire mesh cable trays
Système chemin de câbles dalle perforée soudées
Calha metálica em varão electrosoldado 015-052

pemsaband® / **inducanal®** / **pemsaband® PQ/MARINE**

Bandeja de Chapa perforada y ciega
Perforated and solid cable trays
Dalle métallique perforée et emboutie
Calhas de chapa perfurad a e Canais 053-102

megaband® / **megaband® REP/CPS/MARINE**

Bandeja de escalera para aplicaciones industriales
Ladder for Industrial Applications
Echelle à câble pour l'industrie
Calha de escada para aplicações industriais 103-156

nemaband®

Bandeja de escalera para aplicaciones industriales y grandes vanos
Cable ladder for industrial and wide span applications
Échelle à câbles très lourde pour applications industrielles
Calha de escada para aplicações e grandes vãos 157-168

support system

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Supports, Channels and structures range
Gammes de support et structures
Gama de suportes, rails e estruturas 169-218

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Gamme de connection pour système de dalle
Gama de elementos de fixação para Sistemas de Calhas 219-222

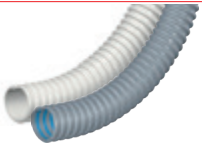
2 Sistemas de Tubos, Racores y Prensaestopas. Guía de Selección y Novedades
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flexibl

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Flexible conduits for general and industrial applications
Tubes flexibles pour applications générales & industrielles
Tubos flexíveis para aplicações gerais e industriais 249-256

pemsaflex

Tubos flexibles para aplicaciones industriales
Flexible conduits for industrial applications
Tubes flexibles pour applications industrielles
Tubos flexíveis para aplicações industriais 257-276

cable glands

Prensaestopas plásticos y metálicos IP68 IP54
Plastic and metal Cable glands IP68 I54
Presse étoupe plastique & métallique IP68 IP54
Bucims plásticos e metálicos IP68 IP54 277-302

Soluciones de Producto / *Product Solutions* / *Solutions Produits* / *Soluções de Produto*
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pemsa

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 Latinoamericaine.*** *En outre, nous continuons à accroître notre présence dans les Cinq continents, Middle East, Dubaï, Arabie Saoudite, Allemagne, Belgique, Italie, Grèce, Maroc, Sénégal, Afrique du Sud, Nouvelle-Zélande, États-Unis, Panama, Costa Rica, Colombie, Equateur, Pérou, Bolivie, ...*

Presença Internacional

Pemsa desenvolve a sua vocação internacional através de suas Filiais, ***Pemsa UK, Pemsa França, Pemsa Portugal, Pemsa Latinoamérica,*** *e clientes em 5 continentes, Oriente Médio, Dubai, Arábia Saudita, Bélgica, Itália, Grécia, Marrocos, Senegal, África do Sul, Nova Zelândia, Estados Unidos, Panamá, Costa Rica, Colômbia, Equador, Peru, Bolívia, ...*

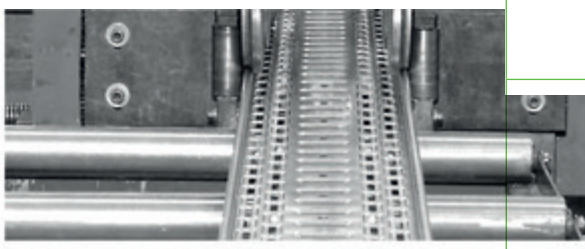




Filiales / *Branches* / *Filiales* / *Filiais*









Grandes Retos. Grandes Soluciones

Tenemos la solución para la canalización de cables. Innovamos y crecemos desde hace más de 50 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 50 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 50 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.

Grandes Desafios. Grandes Soluções

Temos a solução para a condução de cabos. Inovamos e crescemos há mais de 50 anos.

Fiabilidade

Confie na Pemsa. Reduzimos os seus custos, cumprimos especificações e prazos de entrega.

Oferecemos-lhe a solução mais adequada

Amplo Stock de referências e produtos

Equipa de profissionais para atender as suas encomendas e consultas

Soluções para profissionais

Sistemas de produto que melhoram a sua instalação.

Todos os Sistemas de Calhas e Tubos.

Desenhados e ensaiados segundo os standards internacionais.

Soluções de produto para os Sectores: Alimentar, Petroquímico e Infra-estruturas...

Produtos desenvolvidos a partir da experiencia conjunta com os nossos clientes.

Certificaciones y Homologaciones obtenidas / *Certifications and Approvals obtained*
Certifications et Homologations obtenues / Certificações e homologações obtidas

pemsa

Certificaciones y Homologaciones

Marcado N de AENOR. Bandejas y soportes

rejiband®, rejiband® rapide 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:
rejiband® pemsaband® Soportes
030/002090
030/002503
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 **rejiband®** y **pemsaband®** han superado el ensayo de la norma alemana DIN 4102-12, que ensaya el conjunto del instalación eléctrica, bandejas y cables, certificando que se mantienen las propiedades eléctricas de la instalación durante 90 minutos a más de 1000ºC.

Consultar Aplicaciones

Certificación UL. Continuidad eléctrica asegurada

Esta certificación acredita que la bandeja **rejiband®** 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 **rejiband®** acabado BYCRO de acuerdo con las últimas directivas medioambientales.

Certifications and Approvals

AENOR N mark. Trays and supports

rejiband® *and* **pemsaband®** *are the only metal trays on the market that have achieved the N mark of AENOR. This certifies that the N marked* **rejiband®** *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:
rejiband® 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 UNEEN 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

rejiband® *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 1000ºC (1832ºF) temperature for 90 minutes, thus obtaining the E90 certification.*

UL Classified. Electrical Continuity guaranteed

This certification ensures, when using **rejiband®** *and* **pemsaband®** *wire mesh 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 **rejiband®** *finish complies with all of the latest environmental directives.*

Certificats et Homologations

Marque N d'AENOR. Calhas e Suportes

rejiband® *et* **pemsaband®** *sont les seuls chemins de câbles métalliques du marché à avoir obtenu le marquage N d' AENOR. Ce marquage certifie que* **rejiband®** *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:
rejiband® 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 **rejiband®** *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 1000ºC.*

Certification UL. Continuité électrique assurée

Cette certification garantit que le chemin de câbles **rejiband®** *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 **rejiband®** *finition BYCRO conformément aux dernières Directives Environnementales.*

Certificações e Homologações

Marca N da AENOR. Calhas e Suportes

rejiband® e **pemsaband®** obtiveram o certificado AENOR "marca N". Este, certifica, que as calhas **rejiband®** e **pemsaband®** superaram todos os requisitos da norma Europeia, UNE-EN-61537, "Sistema de calhas e calha de escada para a condução de cabos", e especifica as condições de segurança, ensaios, características técnicas, etc., que estas calhas devem cumprir.

Certificado N:
rejiband® pemsaband® Suportes
030/002090
030/002096
030/002089

Marca N da AENOR. Tubos Rígidos

Tubos rígidos metálicos RR e RL, estão certificados por AENOR, superaram todos os requisitos e ensaios, cumprindo as normas Europeias, UNE-EN-61386-1:2005, que especifica as condições de segurança, ensaios, caracteristicas técnicas, etc., que estes tubos devem cumprir.

Certificado N:
Tubos Rígidos Metálicos
030/002199

E90. Resistência ao fogo

O sistema metálico **rejiband®** e **pemsaband®**, superou os ensaios da norma Alemã DIN 4102-12. Durante o ensaio, com instalação eléctrica, calhas e cabos, verificou-se as propriedades eléctricas da instalação,durante 90 minutos a temperaturas de 1000ºC, obtendo assim a classificação E90 de resistência ao fogo.

Certificação UL. Continuidade eléctrica garantida

A certificação da calha **rejiband®** e **pemsaband®**, garante uma boa qualidade dos troços de calha, que poderão utilizar-se em determindas condições, como função de terra, sem necessidade de condutor adicional de protecção.

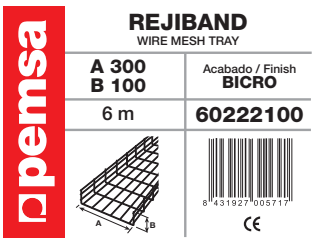
Acabamento BYCRO de acordo com RoHS 2002/95/CE

Pemsa eliminou o Cromio Hexavalente e metais pesados do processo de produção, fabricando a calha **rejiband®** com o acabamento BYCRO, de acordo com as últimas directivas ambientais.

Ventajas del líder

ATENCIÓN AL CLIENTE
Tel: **91 802 34 88**
atencionalcliente@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.

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).

Clasificación ETIM
Todos los productos de este catálogo llevan asignados un código de clasificación de producto según el estándar ETIM

Leader Advantages

CUSTOMER SERVICE
Tel: **+34 91 802 34 88**
export@pemsa-rejiband.com

CUSTOMER SERVICE UK
Tel: **0113 277 9090**
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.*



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

Todos os produtos pemsa são entregues embalados e identificados

CE Marking
All products in this catalogue comply with CE directives.

EAN Code
All products in this catalogue have been assigned their corresponding 13-digit, European bar code (EAN).

ETIM Classification
All products in this catalogue have been assigned a international product classification code according to ETIM standard.

Avantages de Leader

SERVICE CLIENT
Tel: **+33 01 60 86 75 65**
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-retracté et une étiquette d'identification.*
- *Garantie une protection maximale et un stockage idéal des produits.*

Marquage CE
Tous les produits de ce catalogue répondent aux directives CE.

Codification EAN
Tous les produits de ce catalogue possèdent un code de barres européen correspondant à 13 chiffres (EAN).

Classement ETIM
Tous les produits de ce catalogue possèdent un code de produit international selon le standard ETIM

Vantagens de líder

ATENÇÃO AO CLIENTE
Tel: **21 444 57 25**
pemsa.portugal@pemsa-rejiband.com

Etiquetas gráficas
Permite uma identificação perfeita de todas as Gamas de Produto.
- Facilita o armazenamento;
- Permite identificar o produto durante o processo de fabricação;
- Inclui: código de barras EAN 13, número de referência, unidades que contém, tipo de acabamento e dimensões da peça.

Embalagem de protecção
Permite uma identificação perfeita de todos os elementos do sistema **rejiband®**.
- Com filme termoplástico e etiqueta identificadora.
- Garante a máxima protecção e um armazenamento perfeito.

Conformidade CE
Todos os produtos deste catálogo cumprem com as directrizes CE.

Código EAN
Todos os produtos deste catálogo, têm designado um código de barras Europeu de 13 digítos (EAN).

Classificação ETIM
Todos os produtos deste catálogo, têm designado um código de produto internacional de acordo com o standard ETIM

pemsa

Sistemas de Protección a la Corrosión / Protective Corrosion Systems
Systèmes de protection contre la corrosion / Sistemas de proteção contra corrosão

Pemsa ofrece una amplia gama de Sistema de protección frente a la corrosión que incluyen diversos recubrimientos de cara a cubrir todos los requerimientos y ambientes

Pemsa offers a complete range of protective corrosion systems which includes some diferents coatings in order to cover all the requirements and enviroments.

Pemsa propose une large gamme de systèmes de protection contre la corrosion qui comprennent divers revêtements afin de couvrir toutes les exigences et tous les environnements.

A Pemsa oferece uma ampla gama de sistemas de proteção contra corrosão que incluem vários revestimentos para cobrir todos os requisitos e ambientes.

	Sistema de Proteccion	*Protection System*	*Système de Protection*	*Systema de proteçao*
Ⓢ	Es un grupo de acabados con las mismas propiedades o características, prestaciones, estética, etc. que se comercializan en su conjunto.	*It is a group of finishes with the same properties or characteristics, features, aesthetics, etc. that are sold as a whole*	*C'est un groupe de finitions avec les mêmes propriétés ou caractéristiques, caractéristiques, esthétique, etc. qui sont vendues dans leur ensemble*	*É um conjunto de acabamentos com as mesmas propriedades ou características, características, estética, etc. que se vendem em conjunto*
	Acabado	*Finish*	*Finition*	*Acabamento*
Ⓕ	Recubrimiento de protección frente a la corrosión.	*Corrosion protection coating.*	*Revêtement de protection contre la corrosion.*	*Revestimento anticorrosivo.*

Ⓢ	Ⓕ	ⓘ	Clase IEC 61537	Cat. Corrosividad ISO 9223	Ⓢ
CU	CU1	Cobreado / *Copper electroplated* / *Cuivrage* / *Cobreação*	1	C1	
PG	PG3	Pregalvanizado / *Pregalvanised* / *Pre-galvanisé* / *Pregalvanizado*	3	C3	
EZ	PAV	Pavonado / *Blueing* / *Bleuissage* / *Oxidação negra*	1	C1	
	EZ2	Electrocincado / *Electrogalvanised* *Electrozingage* / *Electrozincado*	2	C2	
	EZ3		3	C2	
BC	BYCRO	Electrocincado Bicromatado / *Electrogalvanised Bichromate* *Electrozingage Bichromaté* / *Electrozincado Bicromatado*	5	C3	
BK8	BLACK C8	Acabado metálico de Alta Resistencia / *High Resistance metallic Coating FInition métallique Haute Résistance* / *Acabamento metálico de Alta Resistência*	8	C4	
	BK8-ZNI	Zinc níquel negro / *Zinc nickel in black* *Zinc nickel noir* / *Zinc nickel preto*	8	C4	
GC	HDG	Galvanizado en Caliente / *Hot Dip Galvanising* *Galvanisation à Chaud* / *Galvanizado a Quente*	5 / 6	C4	
			7 / 8	C5	
	ZL	Zinc Laminar / *Lamellar zinc* / *Zinc laminaire* / *Zinc Laminar*	8	C5	
AZ+	ZM	Aleación Alta Resistencia / *High Resistance Alloy* *Alliage Haute Résistance* / *Liga de Alta Resistência*	8	C5	
INOX	I303	Acero Inoxidable / *Stainless Steel* *Acier Inoxydable* / *Aço Inoxidável*	-	C5	
	I304		9C	C5	
	I316L		9D	CX	
	I304D	Acero Inoxidable Dúplex / *Duplex Stainless Steel* *Acier Inoxydable Duplex* / *Aço Inoxidável Duplex*	9C	C5	
	I316D		9D	CX	
PT	PO-PG	Pintura Poliéster sobre Pregalvanizado / *Polyester Paint on Pregalvanised* *Peinture Polyester sur Pré-galvanisé* / *Tinta Polyester em Pré-galvanizado*	3/6	C3/C5	
	PO-EZ	Pintura Poliéster sobre Eletrocincado / *Polyester Paint on Electrogalvanised Peinture Polyester sur Electrozingage* / *Tinta Polyester em Eletrozincado*	6	C5	
AL	ALU	Aluminio / *Aluminum* / *Aluminium* / *Alumínio*	NA	C5	
	6063T6	Aluminio de aleación 6063-T6 / *Aluminium alloy 6063-T6* / *Aluminium alliage 6063-T6* / *Alumínio liga 6063-T6*	NA	CX	
	1050H24	Aluminio de aleación 1050H24 / *Aluminium alloy 1050H24* / *Aluminium alliage 1050H24* / *Alumínio liga 1050H24*	NA	CX	
LN	LAT	Latón / *Brass* / *Laiton* / *Latão*	NA	NA	
	LNI	Latón Niquelado / *Nickel-plated brass* / *Laiton Nickelé* / *Latão Niquelado*	NA	C4	

Sistemas de Protección frente a la Corrosión según Ambientes y Categorías de Corrosividad según ISO 9223

Corrosividad		Pemsa Sistemas de protección									
Cat. ISO 9223	Nivel	EZ	BC	PG	BK8	AZ+	GC	304	PT	316	AL
C1	Muy bajo										
C2	Bajo										
C3	Medio										
C4	Alto										
C5	Muy alto										
CX	Extremo										

Corrosividad		Descripción de ambientes atmosféricos típicos relacionados con las categorías de corrosividad	
Cat. ISO 9223	Nivel	Interior	Exterior
C1	Muy bajo	Espacios climatizados con atmósfera seca y sin cantidades apreciables de contaminantes, por ejemplo, oficinas, tiendas escuelas y hoteles. *Air-conditioned spaces with a dry atmosphere and without appreciable amounts of pollutants, e.g. offices, stores, schools and hotels. Espaces chauffés à faible taux d'humidité relative et à faible pollution (bureaux, école, musées. Espaços climatizados com atmosfera seca e sem quantidade apreciável de contaminantes, por exemplo, escritórios, lojas, escolas e hotéis.*	Zonas frías con humedad baja y con muy baja contaminación. *Cold areas with low humidity and very low contamination. Zones froides à faible taux d'humidité et à très faible pollution. Zonas frias com humidade baixa e com contaminação muito baixa.*
C2	Bajo	Espacios de temperatura y humedad relativa variable, con baja frecuencia por condensación y muy baja por contaminación productiva.Por ejemplo pabellonesdeportivos y almacenes logisticos. *Variable temperature and RH spaces with low condensation frequency and low or very low productive contamination, e.g. sports halls and logistic warehouses. Espaces non chauffés à température et humidité relative variables. Faible fréquence de condensation et faible pollution (entrepôts, salles de sport). Espaços de temperatura variável e humidade relativa com baixa frequência de condensação e baixa ou muito baixa contaminação produtiva, por exemplo pavilhões desportivos e armazéns logísticos*	Zonas templadas con humedad baja y con baja contaminación. Áreas rurales en general. *Temperate areas with low humidity and low pollution. Rural areas in general. Zones tempérées à faible humidité et faible contamination. Les zones rurales en géneral. Zonas temperadas com humidade baixa e com contaminação baixa. Áreas rurais em geral*
C3	Medio	Espacios de frecuencia media por condensación. Media/Baja contaminación productiva. Planta de proceso industrial básico, Industria Alimentaria. Centro tecnológicos, Data Centers. *Spaces with medium frequency of condensation. Medium/Low productive contamination. Basic industrial process plant, Food Industry. Technology centres, Data Centers. Espaces avec fréquence modérée de condensation et pollution modérée provenant des processus de production (usines agroalimentaires, blanchisseries, laiteries). Espaços com média frequência de condensação. Media/Baixa contaminação produtiva. Unidade de processo industrial básico, Industria Alimentar. Centros tecnológicos, Data Centers.*	Zonas templadas con salinidad media y media contaminación. Zonas urbanas e industriales con contaminación. *Temperate areas with medium salinity and medium contanimation. Contaminted industrial and urban areas. Zones tempérées à salinité moyenne et pollution moyenne. Zones urbaines et industrielles polluées. Zonas temperadas com salinidade media e contaminação média. Zonas urbanas e com contaminação industrial*
C4	Alto	Espacios de frecuencia alta por condensación. Media/Alta contaminación productiva. *Spaces with high frequency of condensation. Medium/ High productive contamination. Espaces avec fréquence élevée de condensation et pollution sévère provenant des processus de production (usines de traitements industriels, piscines). Espaços de alta frequência de condensação. Media/Alta contaminação produtiva.*	Zonas templada/subtropical/tropical. Áreas sin rocio o deshielo de agua salada. Salinidad media/alta. Alta contaminación. *Temperate/subtropical/tropical areas. Areas without salt water spray or thaw. Medium/ high salinity. High contamination. Zones tempérées / subtropicales /tropicales. Zones sans rosée ni fonte d'eau salée. Salinité moyenne/élevée. Zonas temperadas /subtropical /tropical. Áreas sem orvalho ou degelo de água salgada. Salinidade media/alta. Alta contaminação.*
C5	Muy alto	Espacios de frecuencia muy alta por condensación. *Spaces with very high frequency of condensation. High productive contamination. Espaces avec fréquence très élevée de condensation et/ou à très forte pollution provenant des processus de production (mines, gisements pour exploitation industrielle, hangars non ventilés dans des zones subtropicales et tropicales). Espaços de muito alta frequência de condensação. Alta contaminação produtiva.*	Zonas templada/subtropical. Salinidad alta. Muy alta contaminación. *Temperate/subtropical areas. High salinity. Very high contamination. Zones tempérées/ subtropicales. Haute salinité. Contamination très élevée. Zonas temperadas/subtropical. Salinidade alta. Muito alta contaminação.*
CX	Extremo	Espacios de permanente condensación. Extrema humedad. Alta/Muy Alta contaminación productiva. Influencias externas (partículas, cloruros). *Permanent condensation. Extreme humidity, high/very high productive contamination. External influences (particulates, chlorides). Espaces avec condensation presque permanente ou périodes prolongées d'exposition aux effets extrêmes de l'humidité et/ou à forte pollution provenant des processus de production (hangars non ventilés dans des zones tropicales humides avec pénétration de pollution extrême, y compris les chlorures de l'air et les matières particulaires favorisant la corrosion). Espaços permanentemente condensados. Extrema humidade. Alta/Muito Alta contaminação produtiva. Influencias externas (partículas, cloros).*	Zonas subtropical/tropical. Muy alta humedad. Alta salinidad y otras partículas. Extrema contaminación. Subtropical/tropical areas. *Very high humidity. High salinity and other particulates. Extreme contamination. Zones subtropicales/subtropicales. Humidité très élevée. Haute salinité et autres particules. Contamination extrême. Zonas subtropicais/tropicais. Muito alta humidade. Alta salinidade e outras partículas. Extrema contaminação.*

pemsa

Ejemplo de aplicación / Application example / Exemple d'application / Exemplo de aplicação

Cómo localizar y reconocer la información de sistemas y acabados en los distintos medios.

How to locate and recognize information of systems and finishes in the different media.

Comment localiser et reconnaître les informations de systèmes et de finitions dans les différents médias.

Como localizar e reconhecer informações de sistemas e acabamentos nas diferentes meios.

Catálogos en Papel y formato PDF

Printed catalogues and PDF format.
Catalogues au format papier et PDF
Catálogos impressos e em formato PDF

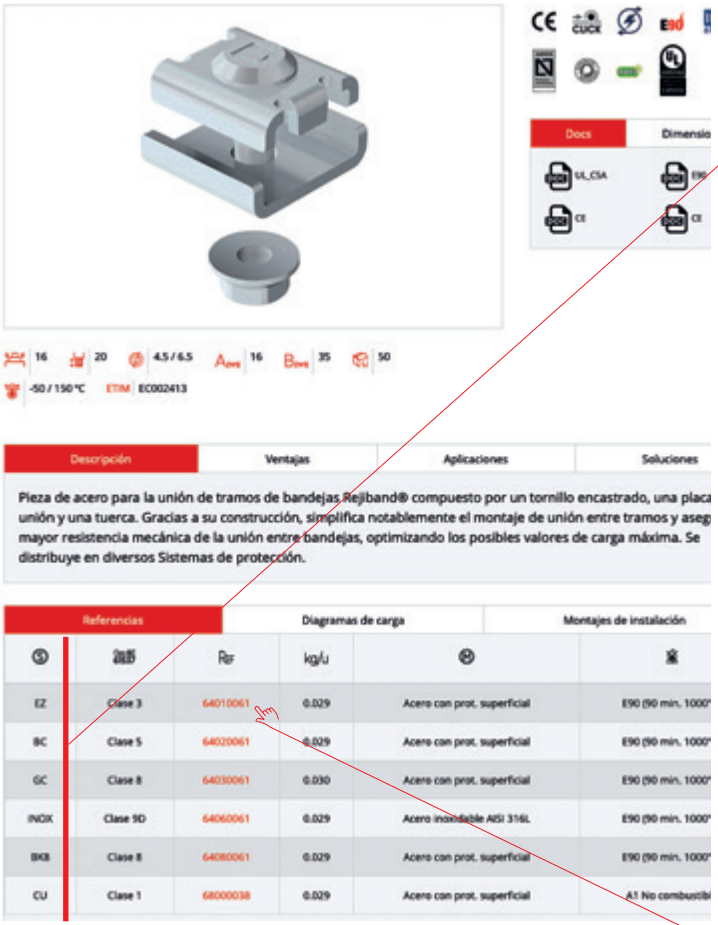
S • 35-60-100-150 • 60-600

S	L	Ref	kg/u	
EZ	20	64010060	0,019	50
BC	20	64020060	0,019	50
GC	20	64030060	0,019	50
	30	64030160	0,020	50
BK8	20	64080060	0,019	50
INOX 316L	20	64060060	0,019	50

		EZ	BC	GC	INOX 304	INOX 316L	PT	BK8	kg/m	
35	60	60211060	60221060	60231060	60251060	60261060	..	60281060	0,405	24
	100	60211100	60221100	60231100	60251100	60261100	..	60281100	0,547	24
	150	60211150	60221150	60231150	60251150	60261150	..	60281150	0,723	24
	200	60211200	60221200	60231200	60251200	60261200	..	60281200	1,034	18
	300	60211300	60221300	60231300	60251300	60261300	..	60281300	1,401	18
	400	60211400	60221400	60231400	60251400	60261400	..	60281400	1,797	12

Catálogo Online

Online Catalogue



1 Página Categoría de producto / *Product Category Page*
Page de Catégorie de Produit / Página de Categoria de Produto

2 Página Referencia de producto / *Product Part number Page*
Page de Référence du Produit / Página de Referência do Produto

Materiales aislantes y Colores RAL / Insulating materials & RAL Colours
Matériaux isolants et Coulerus RAL / Materiais isolantes e Cores RAL

PC+ ABS	Halogen Free Polycarbonate + ABS *Policarbonato + ABS Libre de halógenos Polycarbonate + ABS sans halogène* *Policarbonato + ABS Livre de halógeneos*
PVC	Polyvinyl Chloride / *Policloruro de Vinilo Polychlorure de vinyle* *Policloreto de vinilo*
PP	Polypropylene Halogen Free *Polipropileno Libre de Halógenos* *Polypropylène sans halogène* *Polipropileno Livre de Halógenos*
PA6	Polyamide 6 Halogen Free *Poliamida 6 Libre de Halógenos* *Polyamide 6 sans halogène* *Poliamida 6 Livre de Halógeneos*

PA12	Polyamide 12 Halogen Free *Poliamida 12 Libre de Halógenos* *Polyamide 12 sans halogène* *Poliamida 12 Livre de Halógeneos*
PU	Polyurethane / *Poliuretano* *Polyuréthane / Poliuretano*
PE	Polyethylene / *Polietileno* *Polyéthylène / Polietileno*
NBR	NBR rubber / *Caucho NBR* *Caoutchouc NBR / Borracha NBR*
PET	Thermoplastic Polyester *Poliestirester Termoplástico* *Polyesterester Thermoplastique* *Politereflalato de etileno*
TPV	Thermoplastic / *Termoplástico* *Thermoplastique / Termoplástico*
PO	Poliéster / *Poliestirester* *Polyesterester / Politereflalato*

RAL 9005	Black Colour RAL 9005 / *Color Negro RAL 9005 / Couleur Noir RAL 9005 / Cor Preto RAL 9005*
RAL 5012	Blue Colour RAL 5012 / *Color Azul RAL 5012 / Couleur Bleu RAL 5012 / Cor Azul RAL 5012*
RAL 5024	Blue Colour RAL 5024 / *Color Azul RAL 5024 / Couleur Bleu RAL 5024 / Cor Azul RAL 5024*
RAL 7000	Grey Colour RAL 7000 / *Color Gris RAL 7000 / Couleur Gris RAL 7000 / Cor Cinza RAL 7000*
RAL 7011	Dark Grey Colour RAL 7011 / *Color Gris Oscuro RAL 7011 / Couleur Gris Foncé RAL 7011 / Cor Cinza escuro RAL 7011*
RAL 7031	Dark Grey Colour RAL 7031 / *Color Gris Oscuro RAL 7031 / Couleur Gris Foncé RAL 7031 / Cor Cinza escuro RAL 7031*
RAL 7035	Light Grey Colour RAL 7035 / *Color Gris Claro RAL 7035 / Couleur Gris Clair RAL 7035 / Cor Cinza Claro RAL 7035*

Iconografía / Iconography / Iconographie / Iconografia

Generales / *General / Générale / Gerais*

	Consulta más información en la Web/ *See more information on the Web / Voir plus d'informations sur le Web / Consultar mais informações na Web*
xx	Consultar página / *Go to page / Consultez la page / Consulte a página*

kg/u	Peso en kg por unidad / *Weight in kg per unit / Poids en kg par unité / Peso em kg por unidades*
	Bajo Pedido / *On Request Sur Demande / Consultar Pedido Mínimo*
	Más información / *More information / Plus d'information / Mais informação*

kg/m	Peso en kg por metro / *Weight in kg per metre / Poids en kg par mètre / Peso em kg por metro*
	Embalaje / *Packaging Conditionnement / Embalagem*
	Materia Prima / *Raw material / Matière Première / Matéria Prima*

Características Bandejas / *Cable tray features / Caractéristiques Dalles / Características de Calhas*

REF	Nº de Referencia del producto *Product Reference number* *Numéro de référence du produit* *Número de referência do produto*
	Ancho / *Width / Largeur / Largura*
	Altura - Ala / *Height - Flange Hauteur / Altura - Aba*
	Longitud / *Length Longueur / Comprimento*
e(mm)	Espesor / *Thickness Épaisseur / Espessura*
	Patentado Pemsa / *Patented Pemsa Breveté Pemsa / Patente Pemsa*
mm²	Sección útil / *Useful section Section utile / Secção útil*
	Tiempo de montaje (segundos) *Assembly time (seconds)* *Temps de montage (secondes) / Tempo de montagem (segundos)*
	Sin tornillos / *No screws Sans vis / Sem parafusos*

	Continuidad Eléctrica según norma IEC61537 / *Electrical Continuity acc. to standard IEC61537 / Continuité Électrique selon norme IEC61537 / Continuidade Eléctrica conforme norma IEC61537*
CLICK	Sistema Click de unión rápida / *Fast Joint Click System / Système Click d'union rapide / Sistema Click de união rápida*
	Temperatura de trabajo / *Working temperature range / Température de travail / Temperatura de trabalho*
CTA (kg)	Carga de trabajo Admisible / *Safe Working Load / Charge de travail admissible / Carga de trabalho admissível*
	Cargas de trabajo Ligeras kg/m *Light duty Loads kg/m* *Charges de travail légères kg/m* *Cargas de trabalho ligeiras kg/m*

	Cargas de trabajo medias kg/m *Medium duty Loads kg/m* *Charges de travail moyennes kg/m* *Cargas de trabalho médias kg/m*
	Cargas de trabajo elevadas kg/m *Heavy duty Loads kg/m* *Charges de travail élevées kg/m* *Cargas de trabalho elevadas kg/m*
	Resistencia al Impacto / *Impact Strength / Résistance aux impacts / Resistência ao impacto*
	Resistencia al Fuego / *Fire resistance Résistance au feu / Resistência ao fogo*
	Diámetro de cable / *Cable diameter Diamètre du câble / Diâmetro do cabo*
	Distancia entre Soportes en metros *Span distance in metres* *Distance entre supports en mètres* *Distância entre suportes em metros*

Iconografía / Iconography / Iconographie / Iconografia

Características de Tubos / *Conduits features* / *Caractéristiques des Tubes* / *Características do Tubos*

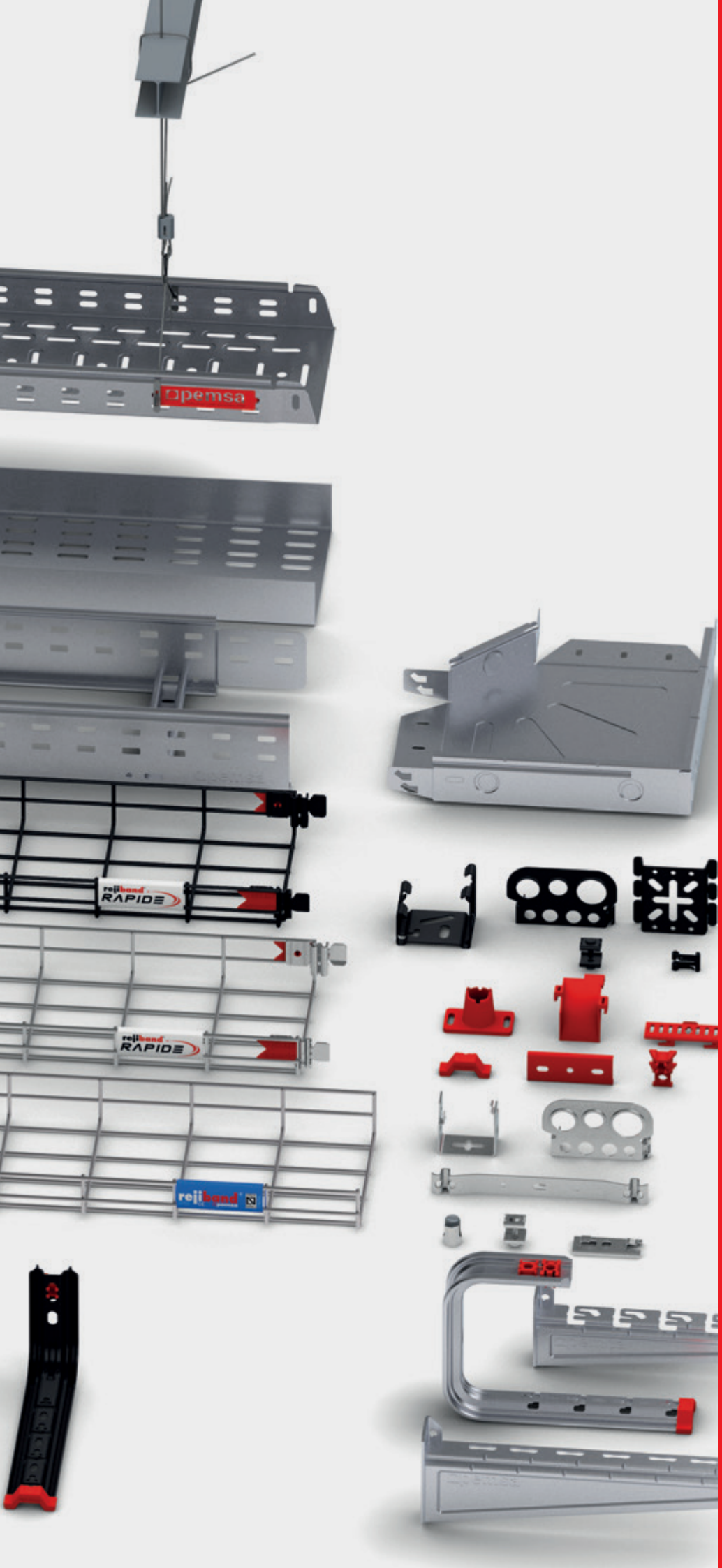
DN	Diámetro Nominal / *Nominal Width* / *Diamètre nominal* / *Diâmetro nominal*
Od1	Diámetro interior / *Inside diameter* / *Diamètre interieur* / *Diâmetro interno*
Od2	Diámetro exterior / *Outside diameter* / *Diamètre extérieur* / *Diâmetro externo*
r	Radio de Curvatura / *Bending radius* / *Rayon de courbure* / *Raio de Curvatura*
	Tipo de Rosca / *Thread Size* / *Type de filetage* / *Tipo de rosca*
	Llave de apriete necesaria / *Torque wrench* / *Outil de serrage nécessaire* / *Necessário chave de aperto*
IEC 61386	Codificación según Norma internacional de Tubos IEC 61386 / *International Standard of Conduits Code IEC 61386* / *Codification selon la Norme internationale de Conduits IEC 61386* / *Codificação conforme a Norma internacional de Tubos IEC 61386*
	Resistencia a la Compresión / *Compression Strength* / *Résistance à la compression* / *Resistência à compressão*
	Resistencia al Impacto / *Impact Strength* / *Résistance aux impacts* / *Resistência ao impacto*
	Temperaturas de trabajo. / *Working temperature range* / *Températures du travail* / *Temperaturas de trabalho*
IP	Clasificación IP / *IP Classification* / *Classification IP* / *Clasificação IP*
	No propagador de la llama / *Flame retardant* / *Non Propagateur de flamme* / *Retardante à chama*
UV	Comportamiento Radiacion Ultra Violeta / *Ultra Violet Radiation behaviour* *Comportement Radiation Ultra Violette* *Comportamento Radiação Ultra Violeta*
	Flexibilidad / *Flexibility* / *Flexibilité* / *Flexibilidade*
	Reduce el tiempo de instalación un 45% / *45% Time Savings* / *Réduit l'installation de 45%* / *Reduz o tempo de instalação em 45%*

Homologaciones / *Approvals* / *Homologations* / *Homologações*

IEC 61537	Norma Internacional de Bandejas IEC 61537 / *Cable trays International Standard IEC 61537* / *Norme Internationale de Chemin de Câbles IEC61537* / *Norma Internacional de Calhas IEC 61537*
IEC 61386	Norma Internacional de Tubos IEC 61386 / *Conduit International Standard IEC 61386* / *Norme Internationale de Conduits IEC61386* / *Norma Internacional de Tubos IEC 61386*
AENOR	Marcado N de AENOR + info pag 008 *AENOR N Mark + info pag. 008* *Marquage N de AENOR + info page 008* *Marca N da AENOR + info pag 008*
N.VE-1	Conforme NEMA VE-1 / *Acc. to NEMA VE-1 Standard* / *Conforme NEMA VE-1* / *Conforme NEMA VE-1*
CE	Conformidad CE con Directiva 2006/95 CE *Acc. to Directive 2006/95 CE* *Conformité CE avec Directive 2006/95 CE* *Conformidade CE Directiva 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* *Livre de Halógeneos conforme EN 50267-2-1*
RoHS	Conformidad con Directiva RohS 2002/95/CE / *Compliance with Directive RoHS 2002/95/CE* / *Conformité avec la Directive RoHS 2002/95/CE* / *Conformidade com a Directiva RoHS 2002/95/CE*
E90	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* / *Ensaio Resistência ao Fogo E90 conforme DIN 4102-12*
NF	Certificación según Norme Française *Approval acc. to Norme Française* *Certification selon Norme Française* *Certificação conforme Norma Francesa*
DB	Homologación Deustche Bahn *Deutsche Bahn Approval* *Homologation Deustche Bahn* *Homologação Deutsche Bahn*
DNV	Certificación Aplicaciones Marinas DNV *Marine applications DNV Approval* *Certification DNV applications marines* *Certificação aplicações marítimas DNV*
cULus	Certificación UL Listed / *UL Listed Approval* / *Certification UL Listed* / *Certificação UL*
UL	Certificación UL Certified / *UL Certified Approval* / *Certification UL Certified* / *Certificação UL*
CSA	Certificación Canadiense CSA *CSA Canadian Approval* *Certification canadienne CSA* *Certificação Canadiana CSA*
VDE	Certificación Alemana VDE / *VDE German Approval* / *Certification allemand VDE* / *Certificação Alemã VDE*
GL	Certificación Germanischer Lloyd *Germanischer Lloyd Approval* *Certification Germanischer Lloyd* *Certificação Germanischer Lloyd*
	Certificación Rusa GOST / *Russian GOST Approval* / *Certification Russe GOST* / *Certificação Russa GOST*
Ex	Certificación Áreas explosivas ATEX *ATEX Hazardous Areas Approval* *Certification Zones explosifs ATEX* *Certificação Ambientes explosivos ATEX*

Soluciones de Producto / *Product Solutions* / *Solutions Produits* / *Soluções de produtos*

	Industria Alimentaria /*Food Industry* /*Industrie Alimentaire* / *Indústria Alimentar*
	Industria Petroquímica / *Petrochemical Industry* /*Industrie Pétrochimique* / *Indústria Petroquímica*
	Energías Renovables / *Renewables Energies* / *Énergies Renouvelables* / *Energias Renováveis*
	Edificación Terciario / *Building Tertiary* / *Édification Tertiaire* / *Edificação Terciária*
	Aplicaciones Ferroviarias / *Railway Applications* / *Applications Ferroviaires* / *Aplicações Ferroviárias*
	Industria Farmacéutica / *Pharmaceutical Industry* / *Industrie Pharmaceutique* / *Indústria Farmacêutica*
	Centrales de energía /*Energy Power Stations* / *Centrales d'énergie* / *Plantas de Energia*
	Teleco / Centros de Proceso de Datos / *IT* / *Data Centers* / *IT* / *Centres de Données* / *IT* / *Data Centers*
	Túneles Infraestructuras / *Tunnels Infrastructures* / *Tunnels Infrastructures* / *Túneis Infraestruturas*
	Solución Resistencia al Fuego E90 *E90 Fire Resistance Solution* *Solution E90 Résistance au feu* *Solução E90 Resistência ao Fogo*
	Industria Básica de Transformación *Primary Industry* *Industrie de Transformation* *Indústria de Processamento*
	Industria del Agua / *Water Treatment* / *Traitement de l'eau* / *Tratamento de água*
	Oil & Gas
	Offshore, Puertos / *Offshore, Ports* / *Offshore, Ports* / *Offshore, Portos*
	Industria Naval / *Marine Industry* / *Industrie Navale* / *Indústria Naval*
	Industria Minera y Cementera *Mining and Cement Industry* *Industrie Minière et du Ciment* *Mineração e Cimenteira*
	Instalaciones Higiénico Sanitarias *Healthcare & Hygienic Facilites* *Équipements Hygiénico-Sanitaires* *Instalações Higiénico-Sanitárias*



01

Sistemas de Bandejas Portacables, Soportes y accesorios

Cable Management System, Supports and accessories

Systèmes de Chemins de Câbles Métalliques, Supports et Accessoires

Sistema de Calhas Portacabos, Suportes e acessórios

pemsa

pemsa



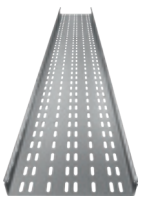
Sistemas de Bandejas y Soportes.
Guía de selección

Cable Tray and Supports System.
Selection guide

Systèmes de Chemins de Câbles & Supports.
Guide des produits

Sistemas de Caminhos de Cabos e Suportes.
Guia de Seleção

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

Denominación / *Ranges* / *Désignation* / *Designação*	rejiband® RAPIDE	rejiband®	rejiband® BLACK C8	rejitech®	pemsaband® one	pemsaband® RX	megaband®
							
Características / *Features* / *Caractéristiques* / *Características*							
	Acero al carbono / *Carbon steel* / *Acier Carbone* / *Aço Carbono*						
PG					●	●	●
EZ	●	●		●			
BYCRO	●	●		●			
GC		●			●	●	●
C8	●		●	●			
304		●			●		●
316L		●			●		●
mm	60-600	60-600	60-600	60-200	100-600	100-600	100-1000
mm	60-100	35/60/100/150	35/60/100/150	60-100	35/60/85/100	60/85/100	60/85/100/120/150
	-50 ºC / +150 ºC						
N/m							
	20 J.						
	A1	A1 / E90	A1	A1	A1 / E60	A1	A1
Homologaciones / *Approvals* / *Homologations* / *Homologações*							
IEC 61537	CE RoHS R.VE-1 IEC 61537	CE UL RoHS E90	CE RoHS R.VE-1 IEC 61537	CE RoHS IEC 61537	CE IEC 61537 UL RoHS E90	CE RoHS E90 IEC 61537	CE RoHS R.VE-1 IEC 61537
Aplicaciones / *Applications* / *Applications* / *Aplicações*							
Tertiary	●	●	●	●	●	●	●
Tunnels		●	●		●	●	●
Data Center	●	●	●	●	●		
Photovoltaic/ Energy		●	●		●	●	●
Food Industry		●			●		
Petrochemical Industry		●			●	●	●
	020	024	023	050	058	063	104



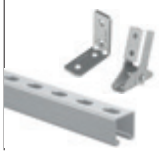
Sistemas de Bandejas y Soportes. Guía de selección

Cable Tray and Supports System. Selection guide

Systèmes de Chemins de Câbles & Supports. Guide des produits

Sistemas de Caminhos de Cabos e Suportes. Guia de Seleção

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

Soportes *Wall Bracket* *Support* *Suportes* **Omega SPLUS**	Soportes Techo *Ceiling Bracket* *Support Plafond* *Suportes Tecto* **Omega SPLUS**	Suspensión *Channel* *Suspension* *Suspensão* **Omega SPLUS**	Soportes Reforzados *Med. Duty Cantilever* *Support Renforcé* *Suporte Reforçado* **RPLUS**	Sop. Muy Reforzados *Stand off Bracket* *Support Très Renforcé* *Sup. muito Reforçado* **RPLUS**	Soportes 41 *Cantilever arm 41* *Support 41* *Suporte 41*	Raíles y Accesorios *Channel & Accessories* *Rails & Accessoires* *Perfis e Acessórios*	Denominación *Ranges* *Désignation* *Designação*
							

Características / *Features* / *Caractéristiques* / *Características*

Acero al carbono / *Carbon steel* / *Acier Carbone* / *Aço Carbono*							Ⓜ
●	●	●	●			●	**PG**
					●		**EZ**
							BYCRO
●	●	●	●	●	●	●	**GC**
●	●	●	●				**C8**
●	●	●	●		●		**304**
●	●	●	●		●	●	**316L**
100-400	100-400	100-600	100-600	300-600	155-1055	41X21 41X21	mm
						3 M	mm
-50 ºC / +150 ºC							
							N/m
–							
A1 / E90	A1 / E90	A1 / E90	A1 / E90	A1 / E90	A1	A1 / E90	
Homologaciones / *Approvals* / *Homologations* / *Homologações*							
AENOR CE IEC 61537 RoHS E90	AENOR CE IEC 61537 RoHS E90	AENOR CE IEC 61537 RoHS E90	AENOR CE IEC 61537 RoHS E90	AENOR CE IEC 61537 RoHS	CE IEC 61537 RoHS	IEC 61537	IEC 61537
Aplicaciones / *Applications* / *Applications* / *Aplicações*							
●			●	●	●		
●			●	●	●	●	
	●					●	
		●				●	
●	●		●	●	●	●	
		●				●	
126	126	142	128	130	132	152	

Montaje / Asembly / Montagem

- A pared / Wall / Mur
- A pared con rail / Wall with channel / Mur avec Rail
- A techo / Ceiling / Plafond
- A techo con varillas / Ceiling with threaded rods / Plafond avec tige filetée
- A techo con péndulo / Ceiling with pendant / Plafond avec pendard Omega
- Instalación a suelo / Floor installations / Installation au sol

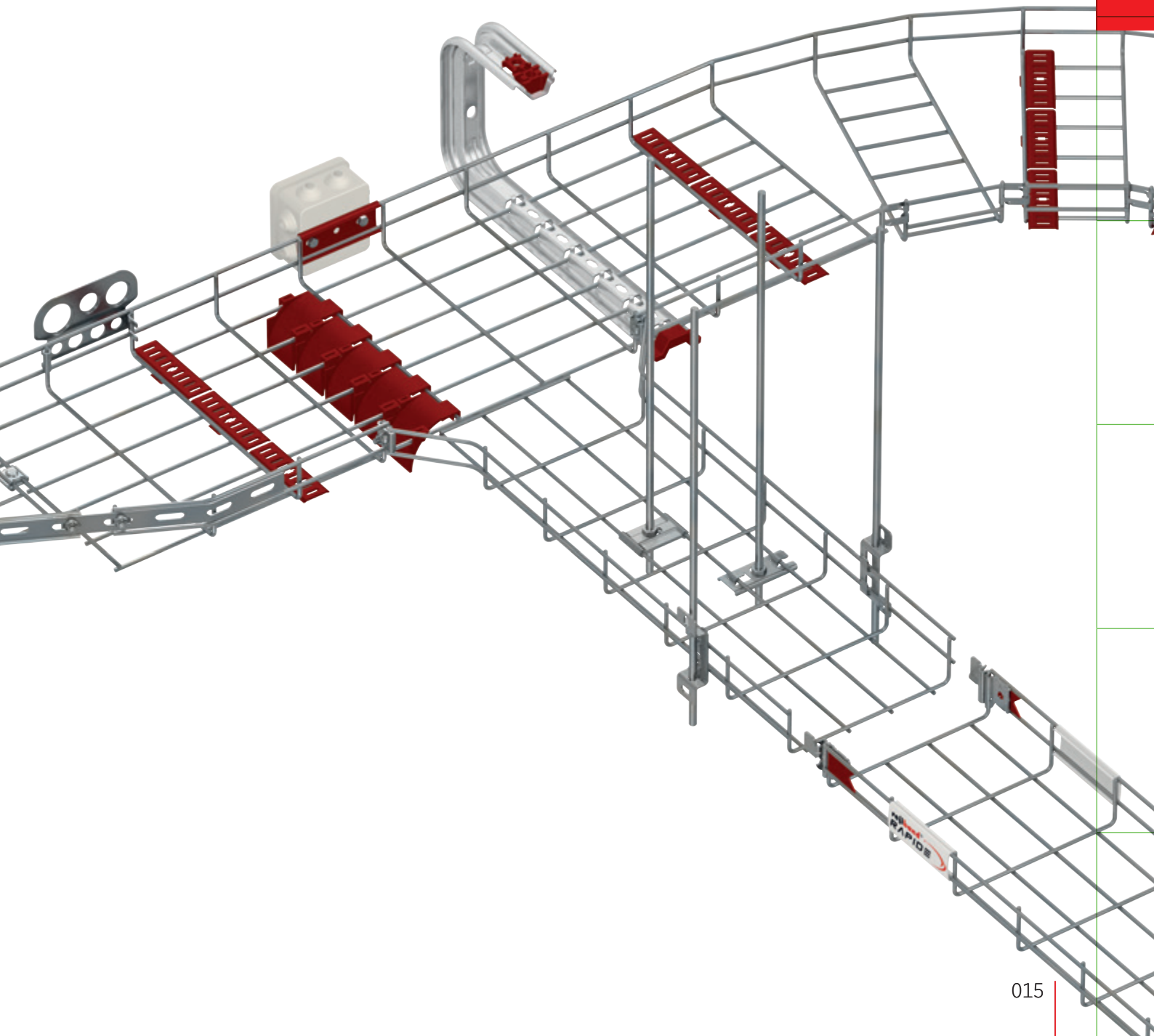
rejiband®

Sistema de bandejas de rejilla electrosoldada

Electrowelded wire mesh cable trays

Systèmes de chemins de câbles fils soudés

Sistema de Calhas Portacabos, Suportes e acessórios



pemsa

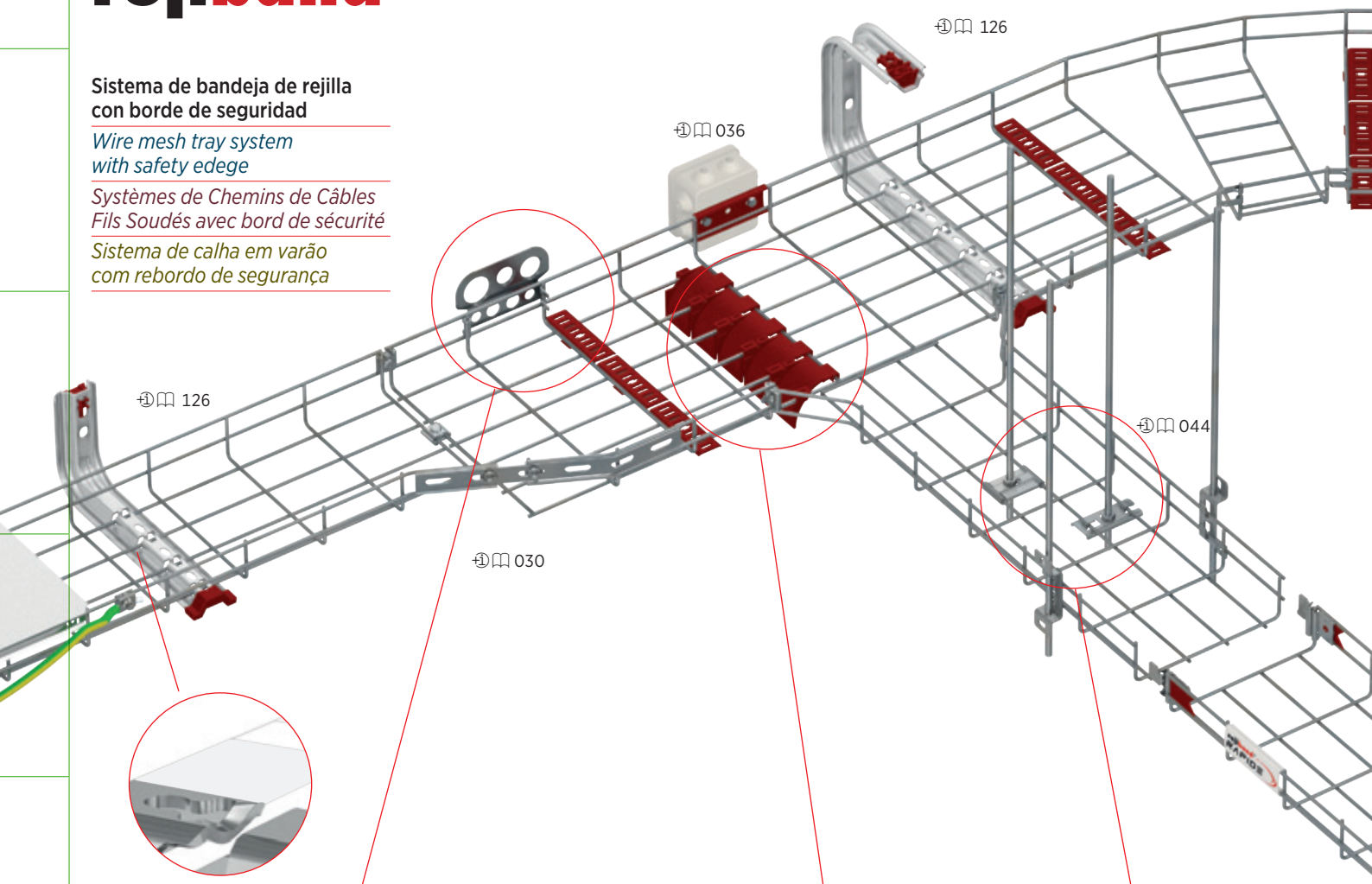
rejiband®

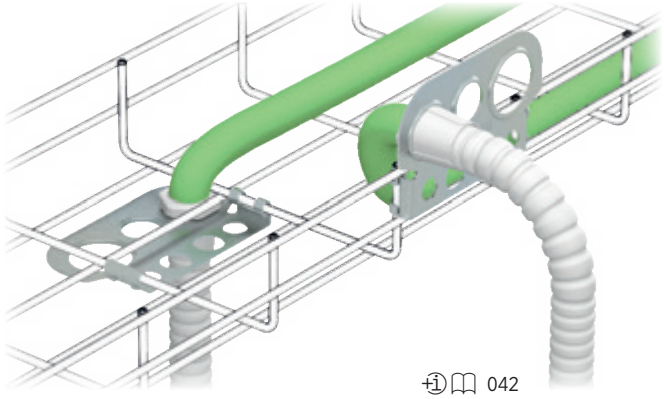
Sistema de bandeja de rejilla con borde de seguridad

Wire mesh tray system with safety edege

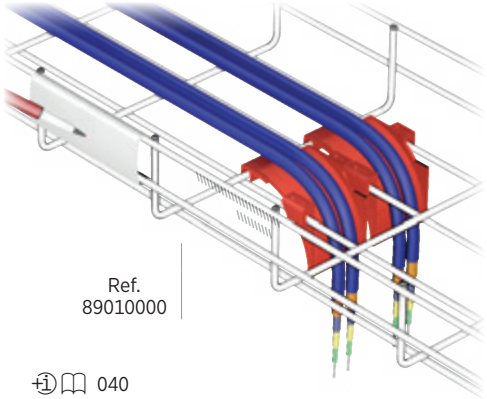
Systèmes de Chemins de Câbles Fils Soudés avec bord de sécurité

Sistema de calha em varão com rebordo de segurança

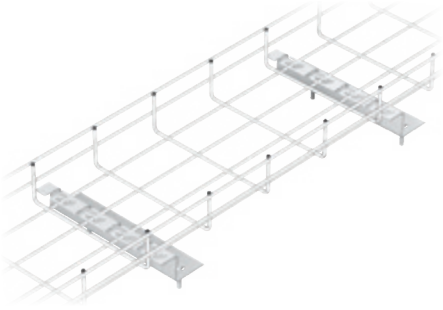




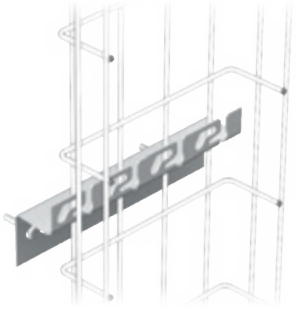
042



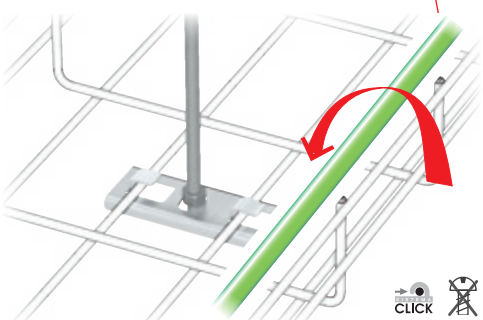
040



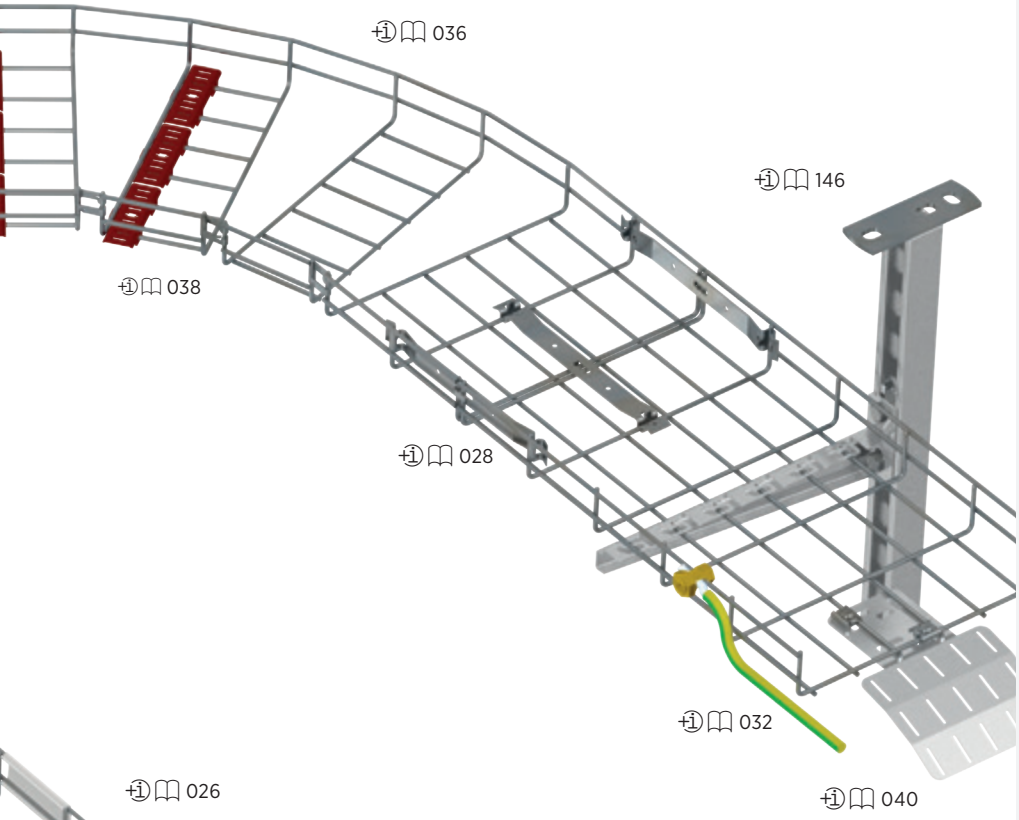
048,140



048



044



rejiband® RAPIDE			L	EZ	BC	GC	304	316L	PO	BK8
	60	60-600	3000	●	●					●
	100	100-600	3000	●	●					●
rejiband®										
	35	60-400	3000	●	●	●	●	●		
	60	60-600	3000	●	●	●	●	●	●	
	100	100-600	3000	●	●	●	●	●		
	150	100-600	3000	●	●	●	●	●		
rejiband BLACK C8										
	35	60-400	3000							●
	60	60-600	3000							●
rejitech®										
	60	100	2000	●	●					
	100	60-200	3000	●	●	●				●
angular										
	60	100	3000		●	●	●	●		

Normas Internacionales:
International Standards:
Normes internationales:
Normas Internacionais:

Norma internacional de Bandejas
International standard of Cable trays
Normes internationales de Chemins de Câbles
Norma internacional de Calhas

Norma Nema VE-1
Nema VE-1 Standard
Normes Nema VE-1

Certificado UL
UL Certified
Certificat UL

Resistencia al fuego
DIN 4102-12 Fire Resistance
Résistance au feu
Resistência ao fogo

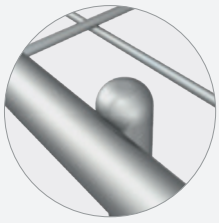
Marcado N AENOR IEC 61537
AENOR N Mark IEC 61537
Marque N AENOR IEC 61537
Marca N AENOR IEC61537

RoHS 2002/95/CE
WEEE 2012/19/UE
Finition BYCHRO RoHS 202/95/CE
Acabamento BYCHRO RoHS 202/95/CE

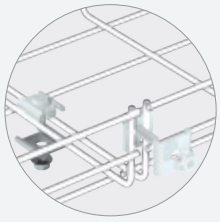
IQNET ISO 9001

Producto patentado
Patented product
Produit breveté
Produto patenteado

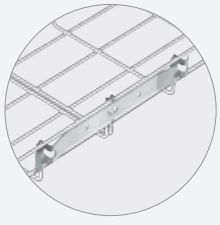
London Underground



Borde de seguridad
Safety edge
Bord de sécurité
Rebordo de segurança



Uniones
Fastener
Syndicats
Uniones



Sistema Click
Click System
Système click
Sistema Click



Bandejas de rejilla electrosoldada con borde de seguridad

Electrowelded wire mesh tray with Safety Edge

Chemins de Câbles fils soudés avec bord de sécurité

Calha de varão electrossoldado com rebordo de segurança

Advantages and features / *Ventajas y Características* / *Avantages et Caractéristiques* / *Vantagens e Caracteristícas*

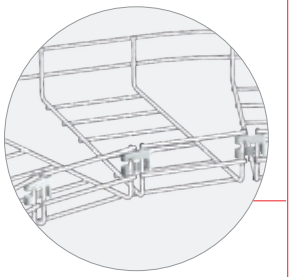
Amplia gama de acabados

Wide range of finishes and coatings

Large gamme de finition

Ampla gama de acabamentos.

GC	304	316L	BK8

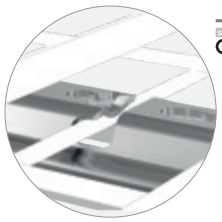


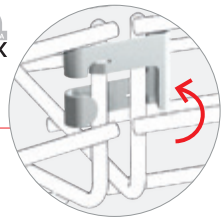
Sistema Cortar, Doblar, Unir.
Ahorro en material y mano de obra

Cut, Bend and Join System.
Savings on materials and handling costs

Système couper, joindre, unir.
Economie de matériel & mains d'oeuvre

Sistema Cortar, Dobrar, Unir.
Poupança de material e mão de obra



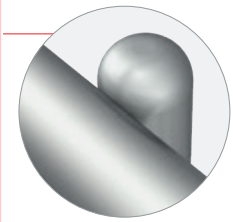


Sistema Click de unión rápida. Soportes y accesorios

Quick Click Joint System. Supports and accessories

Système Click & Eclisse rapide. Supports et accessoires

Sistema Click de união rápida. Suportes e accesórios



Borde de seguridad.
Protección de los cables.

Safety edge.
Protects the cables.

Bord de sécurité.
Protection des câbles.

Rebordo de segurança.
Protege os cabos



Básica de Transformación
Processing Industry
I. de Transformation
I. de Processamento



Industria Alimentaria
Food Industry
Industrie Alimentaire
Indústria de Alimentos



Terciario Construcción
Building Tertiary
Édification Tertiaire
Edificação Terciária



Industria Petroquímica
Petrochemical Industry
Industrie Petrochemique
Indústria Petroquímica



Offshore, Puertos
Offshore, Ports
Offshore, Ports
Offshore, Portos



Industria Naval
Marine Industry
Industrie Navale
Indústria Naval



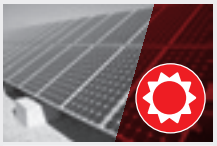
IT/Centro Proceso Datos
IT/Data Centers
IT/Centres de Données
IT/Data Centers



Tratamiento de Agua
Water Treatment
Traitement de l'eau
Tratamento de água



Túneles Infraestructuras
Tunnels Infrastructures
Tunnels Infrastructures
Túneis Infraestruturas



Energías Renovables
Renewables Energies
Énergies Renouvelables
Energias Renováveis

Novedades *News Nouveautés Novidades*

Solar TOTEM®

Solución para instalaciones en cubiertas solares y autoconsumo

Solution for solar roof and sef-consumtion installations





rejiband® pemsaband®

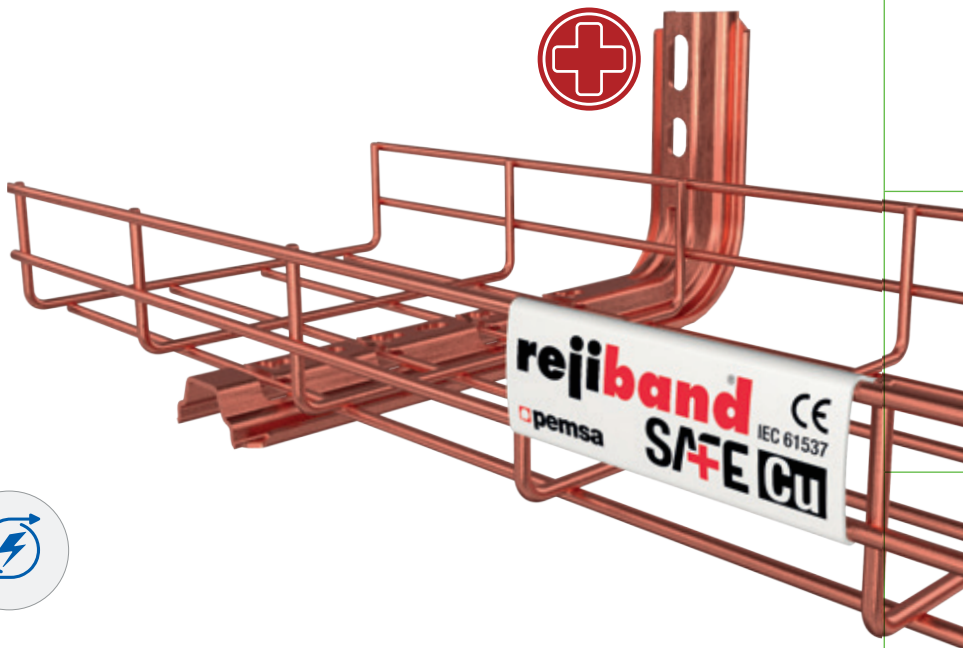
Sistema de montaje elevado multifuncional para instalación de bandejas de rejilla y chapa

Multifunctional raised mounting system for Wire mesh tray and Cable tray installation.

SAFE Cu

Sistema de conducción de cables antimicrobiano y libre de COVID

COVID-free and antimicrobial Cable Management System.

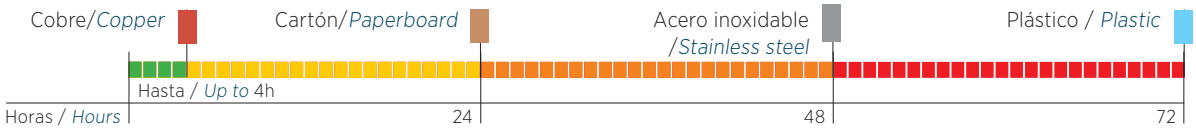


Ventajas / *Advantages*

Cu · 24/7 · C1 C2

Análisis comparativo de la superviciencia en distintas superficies del virus tipo SARS-CoV-2:

Comparative analysis of the survival of the SARS-CoV-2 virus on different surfaces:



Fuente: Estudio del comportamiento y supervivencia del SARS-CoV-2 en diferentes materiales, New England Journal of Medicine.

Source: Study of the behaviour and survival of SARS-CoV-2 in different materials, New England Journal of Medicine.

pemsa

rejiband® RAPIDE

Bandeja de Rejilla Sistema Click rápido

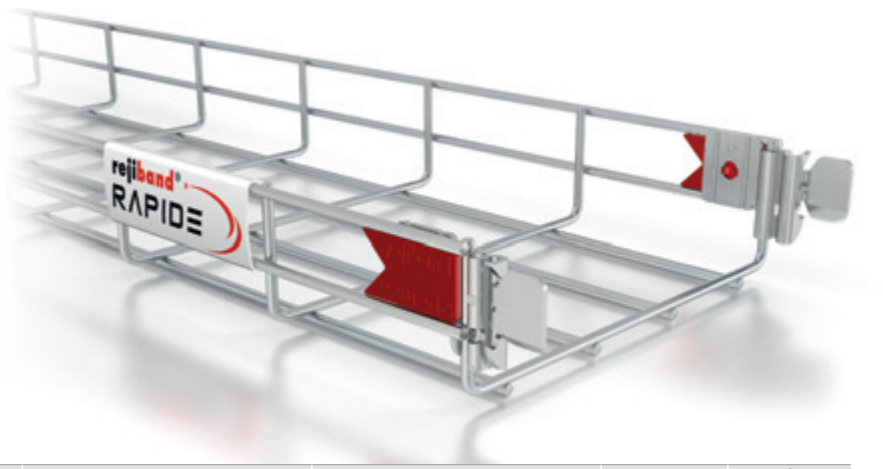
Rapid Click Wire Mesh Tray System

Chemins de Câbles Système Click Rapide

Calha de varão Sistema Click união rápida

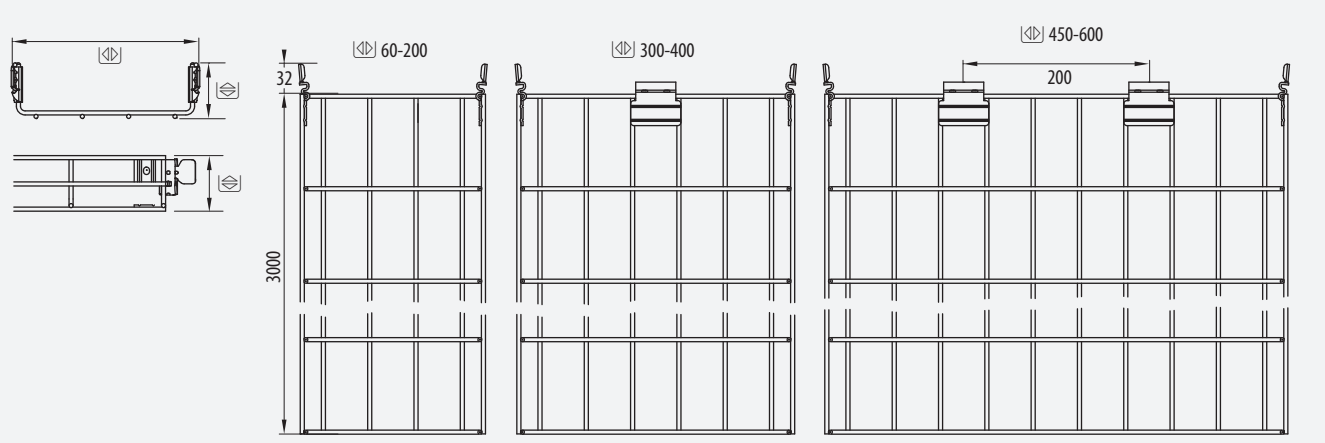
60, 100 • 60-600 • 3000

ETIM EC000853



		EZ	BC	BK8	kg/m	
60	60	60512060	60522060	60582060	0,591	18
	100	60512100	60522100	60582100	0,811	24
	150	60512150	60522150	60582150	0,946	24
	200	60512200	60522200	60582200	1,217	18
	300	60512300	60522300	60582300	1,943	12
	400	60512400	60522400	60582400	2,353	6
	450	60512450	60522450	60582450	2,423	6
	500	60512500	60522500	60582500	2,781	6
	600	60512600	60522600	60582600	3,191	6
100	100	60513100	60523100	60583100	1,203	12
	150	60513150	60523150	60583150	1,259	6
	200	60513200	60523200	60583200	1,912	6
	300	60513300	60523300	60583300	2,343	6
	400	60513400	60523400	60583400	2,756	6
	450	60513450	60523450	60583450	2,827	6
	500	60513500	60523500	60583500	3,187	6
	600	60513600	60523600	60583600	3,600	6

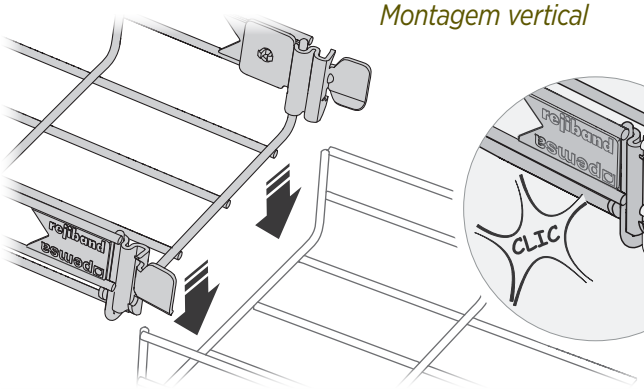


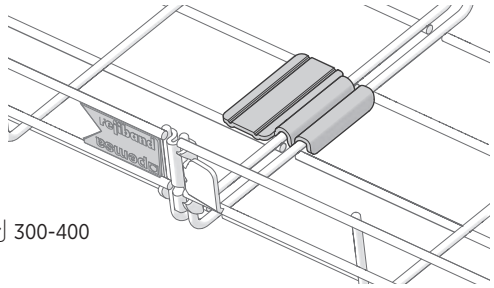


Instrucciones de instalación / *Installation Instructions* / *Instruction d'installation* / *Instruções de instalação*

Montaje vertical

Vertical Assembly
Assemblage vertical
Montagem vertical

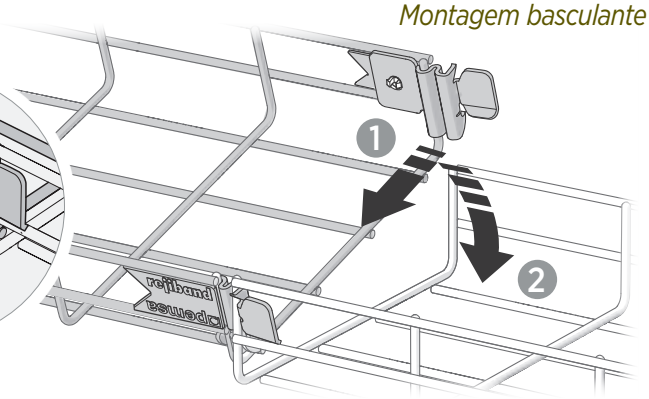


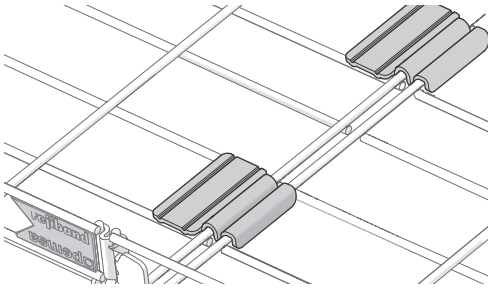


300-400

Montaje basculante

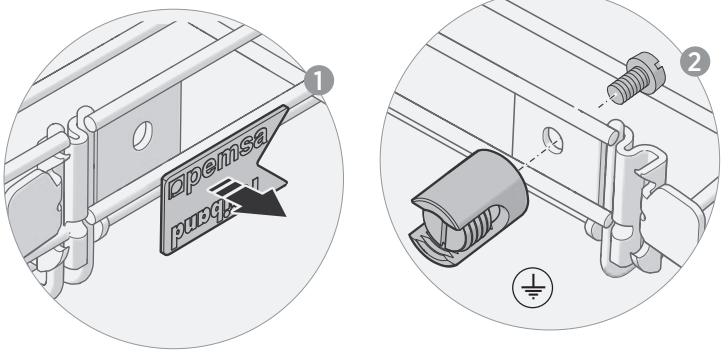
Swivel Assembly
Assemblage basculant
Montagem basculante



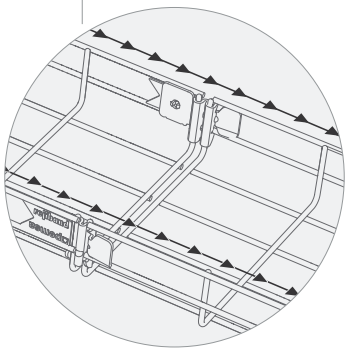


450-600

Equipotencialidad
Bonding
Mise à la Terre
Conexão Equipotencial

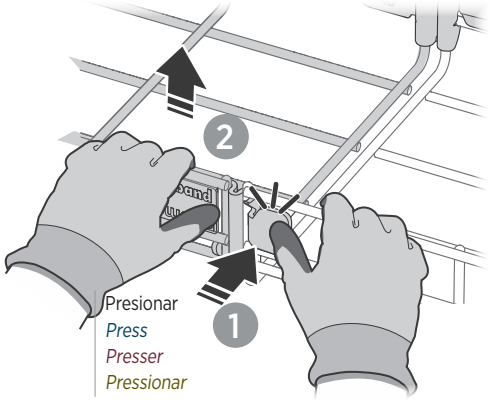


Continuidad eléctrica según norma
Electrical Continuity guaranteed
Continuité Electrique selon la Norme
Continuidade electrica em conformidade com a norma

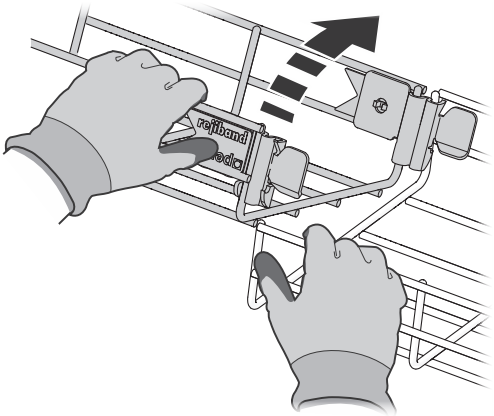


<50mΩ
Standard **IEC 61537**

Desmontaje / *Uncoupling* / *Démontage* / *Desmontagem*



Presionar
Press
Presser
Pressionar



pemsa

rejiband® RAPIDE

Bandeja de Rejilla Sistema Click rápido

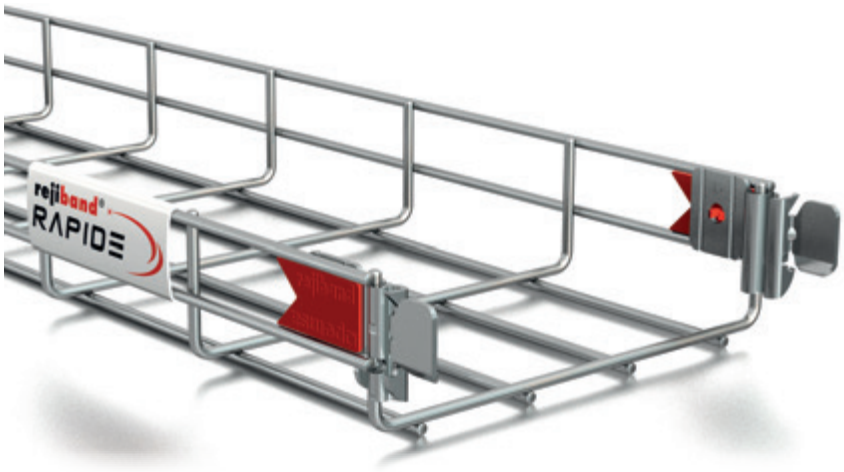
Rapid Click Wire Mesh Tray System

Chemins de Câbles Système Click Rapide

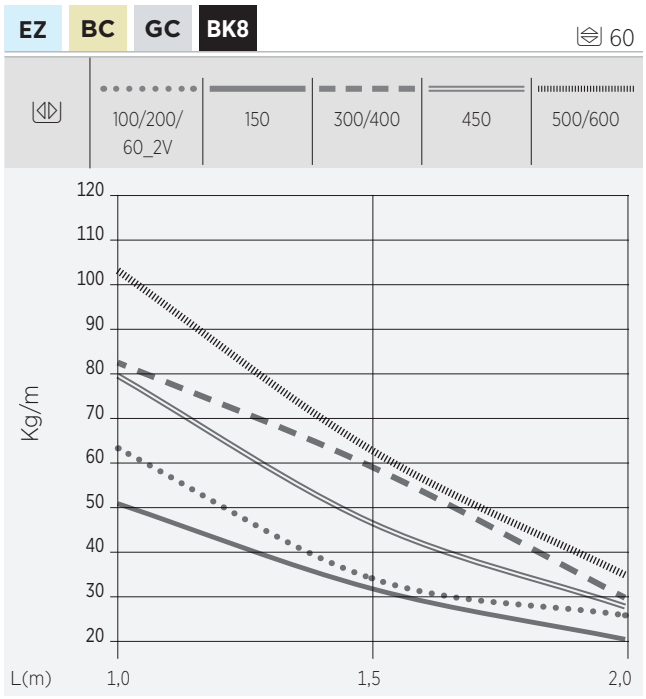
Calha de varão Sistema Click união rápida

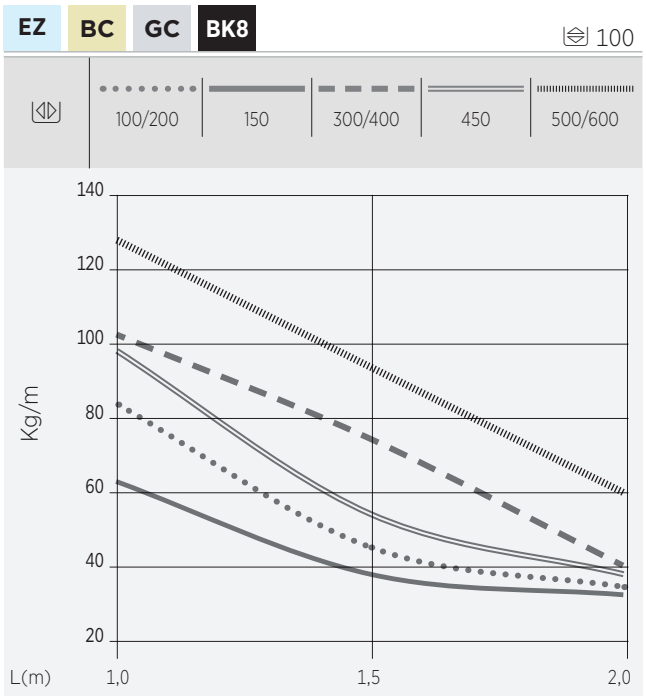
60, 100 • 60-600 • 3000

ETIM: EC000853



Valores certificados de Carga de Trabajo Admisible (CTA) / *Safe Working Loads SWL (CTA) certified values. / Valeurs certifiées de Charge Travail Admissible / Valores certificados de Carga de Trabalho Admissível*





Ensayo a vano de 1,5 m. Valores certificados por: / *Test with 1,5 m span. Values certified by: / Ensai avec une distance de 1,5 m. Valeurs certifiées par: / Ensaio a uma distância de 1,5 m. Valores certificados por:*

Valores obtenidos según la norma IEC 61537 según ensayo tipo III, con un coeficiente de seguridad del 170% y sin alcanzar en ningún caso el colapso. La unión de los tramos de bandejas debe estar situada a una distancia del apoyo de entre L/4 y L/5, siendo L la distancia entre apoyos.

Values obtained from test type III according to the IEC 61537 standard, test type III, with a safety coefficient of 170% without ever reaching the collapse point. Tray section joints be situated at a support distance of between L/4 and L/5, L being the distance between supports.

Résultats des essais type III de la norme IEC 61537, avec coefficient de sécurité de 170% sans jamais atteindre la saturation. L'assemblage des tronçons de chemins de câbles doit être placé à une distance de l'appui comprise entre L/4 et L/5, où L correspond à la distance entre appuis.

Valores obtidos de acordo com a norma IEC 61537 de acordo com ensaio tipo III, com coeficiente de segurança de 170% e sem atingir colapso em nenhum caso. A união das seções das Calhas deve estar localizada a uma distância do suporte entre L / 4 e L / 5, onde L é a distância entre os suportes.



rejiband RAPIDE

Bandeja de rejilla Alta Resistencia

Wire mesh tray High Resistance

Chemins de Câble Haute Résistance

Calha de varão Alta Resistência

35, 60, 100 • 60-600 • 3000

ETIM EC000853

		BK8	kg/m	
60	60	60582060	0,567	24
	100	60582100	0,799	24
	150	60582150	1,022	24
	200	60582200	1,205	18
	300	60582300	2,091	12
	400	60582400	2,565	6
	450	60582450	2,642	6
	500	60582500	3,014	6
	600	60582600	3,468	6
100	100	60583100	1,215	12
	150	60583150	1,253	6
	200	60583200	1,897	6
	300	60583300	2,314	6
	400	60583400	2,727	6
	450	60583450	2,815	6
	500	60583500	3,145	6
	600	60583600	3,562	6

Gama Completa de Accesorios / *Full Range of Accessories* / *Gamme Complète d'Accessoires* / *Gama Completa de Acessórios*


62081X04 174


63082X04 188


64080061 028


64080030 028


64080035 028


64080036 028


64080072 030


68000053 032


67080030 038


62086010 038


62082X04 174


64080038 028


62086011 038


67080040 042


64080060 030


62086021 044


64080058 026

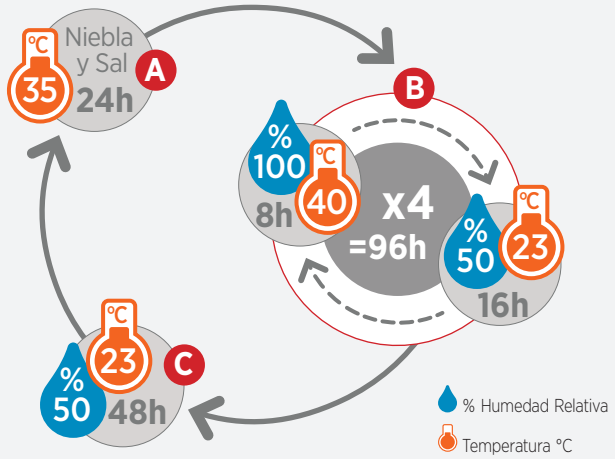

62081060 044

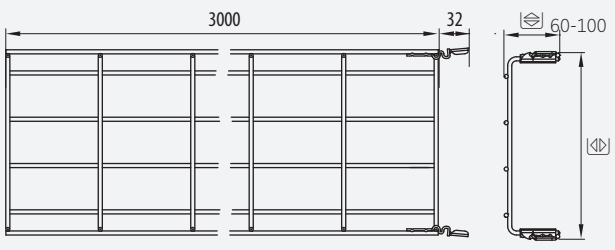

67080143
67080043 044


67080046 174

Ensayos cíclicos / *Cyclical trials* / *Essais cycliques* /

10 x (A + B + C) = 1.680 h





pemsa

rejiband®

35 60 100 150

Bandeja de rejilla

Wire mesh tray

Chemins de Câbles

Calha de varão

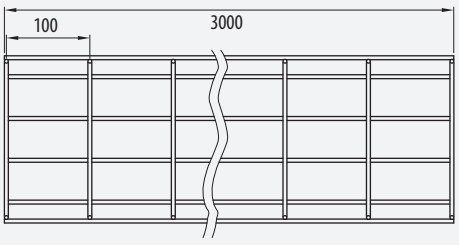
35,60,100,150 • 60-600 • 3000

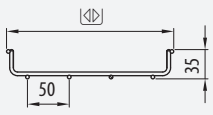
ETIM EC000853

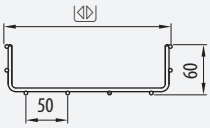


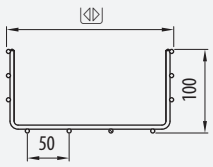
		EZ	BC	GC	CU	304	316L	PO-EZ	C8	kg/m	
35	60	60211060	60221060	60231060	-	60251060	60261060	-	60281060	0,405	24
	100	60211100	60221100	60231100	-	60251100	60261100	-	60281100	0,547	24
	150	60211150	60221150	60231150	-	60251150	60261150	-	60281150	0,723	24
	200	60211200	60221200	60231200	-	60251200	60261200	-	60281200	1,034	18
	300	60211300	60221300	60231300	-	60251300	60261300	-	60281300	1,401	18
	400	60211400	60221400	60231400	-	60251400	60261400	-	60281400	1,797	12
60	60	60212060	60222060	60232060	-	60252060	60262060	60242060	60282060	0,564	24
	100	60212100	60222100	60232100	82003241	60252100	60262100	60242100	60282100	0,799	24
	150	60212150	60222150	60232150	82003242	60252150	60262150	60242150	60282150	1,022	24
	200	60212200	60222200	60232200	82003243	60252200	60262200	60242200	60282200	1,326	18
	300	60212300	60222300	60232300	82003244	60252300	60262300	60242300	60282300	2,091	12
	400	60212400	60222400	60232400	-	60252400	60262400	60242400	60282400	2,565	6
	450	60212450	60222450	60232450	82003245	-	-	-	60282450	2,642	6
	500	60212500	60222500	60232500	-	60252500	60262500	60242500	60282500	3,014	6
	600	60212600	60222600	60232600	82003247	60252600	60262600	60242600	60282600	3,468	6
100	100	60213100	60223100	60233100	-	60253100	60263100	-	60283100	1,316	12
	150	60213150	60223150	60233150	-	60253150	60263150	-	60283150	1,383	6
	200	60213200	60223200	60233200	-	60253200	60263200	-	60283200	2,055	6
	300	60213300	60223300	60233300	-	60253300	60263300	-	60283300	2,512	6
	400	60213400	60223400	60233400	-	60253400	60263400	-	60283400	2,962	6
	450	60213450	60223450	60233450	-	-	-	-	60283450	2,815	6
	500	60213500	60223500	60233500	-	60253500	60263500	-	60283500	3,413	6
	600	60213600	60223600	60233600	-	60253600	60263600	-	60283600	3,866	6
150	200	60216200	60226200	-	-	-	-	-	60286200	2,111	6
	300	60216300	60226300	-	-	-	-	-	60286300	2,431	6
	400	60216400	60226400	-	-	-	-	-	60286400	2,958	6
	450	60216450	60226450	-	-	-	-	-	60286450	2,849	6
	500	60216500	60226500	-	-	-	-	-	60286500	3,375	6
	600	60216600	60226600	-	-	-	-	-	60286600	3,645	6
rejiband®		64010061	64020061	64030061	68000038	64060061	64060061	64060061	64080061	024	

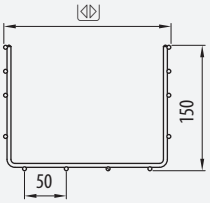
Bajo pedido / *On request* / *A la demande* / *Baixo pedido*











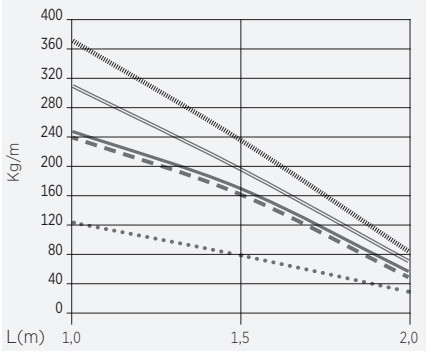
rejiband®

35 60 100 150

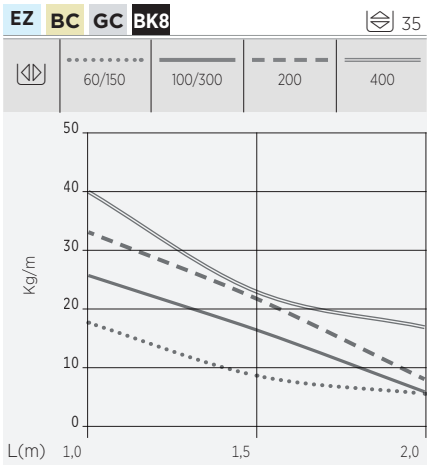
Datos técnicos
Technical data
Information Technique
Dados técnicos

	60	100	150	200	300	400	450	500	600
	mm²								
35	1.215	2.295	3.432	4.524	7.358	9.958	-	-	-
60	2.520	4.420	6.783	9.333	14.050	19.050	21.500	24.050	29.050
100	-	7.462	11.562	16.290	25.290	34.290	39.396	43.290	52.290
150	-	-	-	25.754	39.874	53.994	61.054	68.114	82.234

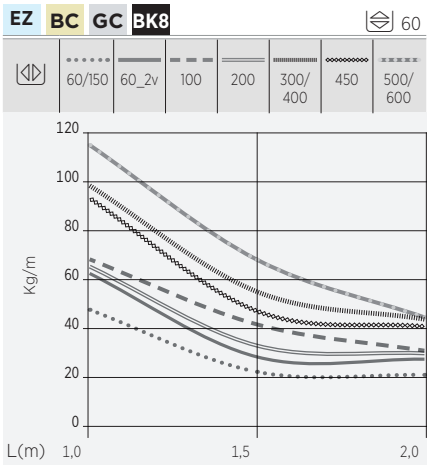
EZ BC GC BK8 — 150



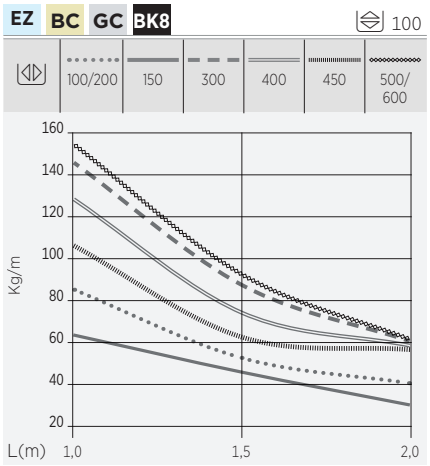
EZ BC GC BK8 — 35



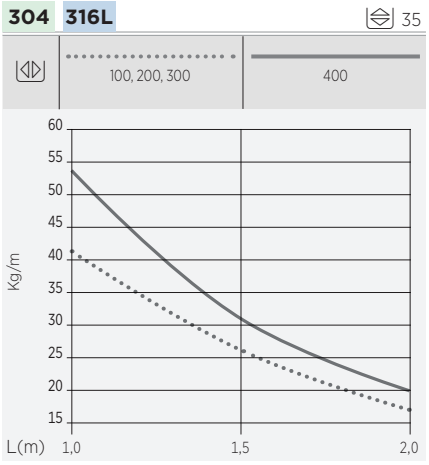
EZ BC GC BK8 — 60



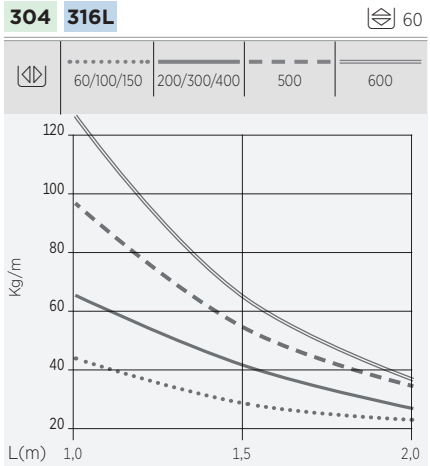
EZ BC GC BK8 — 100



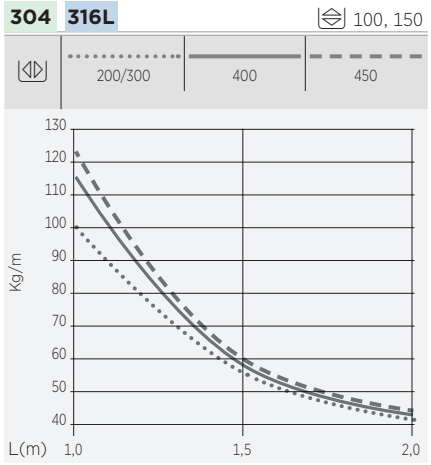
304 316L — 35



304 316L — 60



304 316L — 100, 150



Valores obtenidos según la norma IEC 61537 según ensayo tipo III, con un coeficiente de seguridad del 170% y sin alcanzar en ningún caso el colapso, empleando la Unión Reforzada como elemento de unión. La unión de los tramos de bandejas debe estar situada a una distancia del apoyo de entre L/4 y L/5, siendo L la distancia entre apoyos.

Values obtained from test type III according to the IEC 61537 standard, test type III, with a safety coefficient of 170% without ever reaching the collapse point. Guaranteed only using our reinforced joint clamp. Tray section joints be situated at a support distance of between L/4 and L/5, L being the distance between supports.

Résultats des essais type III de la norme IEC 61537, avec coefficient de sécurité de 170% sans jamais atteindre la saturation et en utilisant l'éclisse renforcée comme pièce d'assemblage. L'assemblage des tronçons de chemins de câbles doit être placé à une distance de l'appui comprise entre L/4 et L/5, où L correspond à la distance entre appuis.

pemsa

rejiband®

60X60-2

Bandeja de rejilla, doble varilla en base

Wire mesh tray, double rod on base

Chemin de Câble Fil, double Fil

Calha em varão, duplo varão na base

60 • 60 • 3000

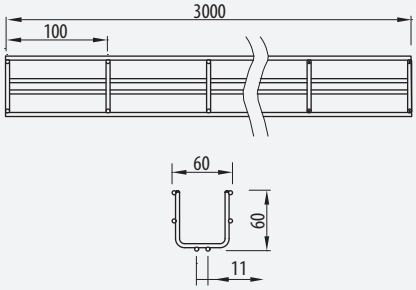
ETIM: EC000853





CE IEC 61537

S	Ref	kg/u	
EZ	60212065	0,765	18
BC	60222065	0,765	18
GC	60232065	0,792	18
CU	82003261	0,0136	25
304	60252065	0,765	18
316L	60262065	0,765	18
BK8	60282065	0,765	18



Kit Fijación Rejiband 60x60-2

Part Clamp Kit Rejiband 60x60-2

Kit Fixation Rejiband 60x60 -2

Kit Fixação Rejiband 60x60-2



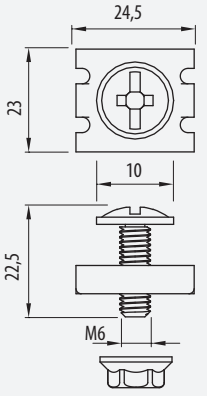


CE IEC 61537

60 • 60

S	Ref	kg/u	
EZ	64010058	0,014	25
BC	64020058	0,014	25
GC	64030058	0,015	25
CU	82003261	0,0136	25
316L	64060058	0,014	25
BK8	64080058	0,014	25

ETIM: EC002413



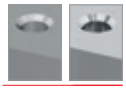
Tuerca Raíl

Plain Channel Nut

Ecrou Rail

Porca de Perfil



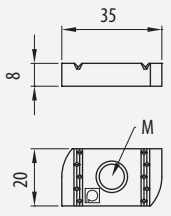


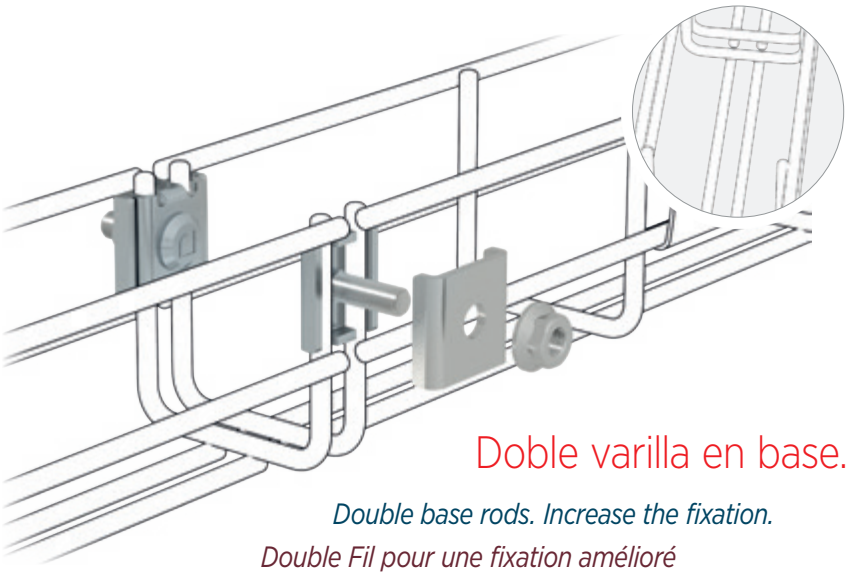
CE

• 41x21 • 41x41

S	M	Ref	kg/u	
EZ	M6	67020055	0,014	25
GC	M6	67030054	0,015	25
316L	M6	67060054	0,014	25

ETIM: EC000482





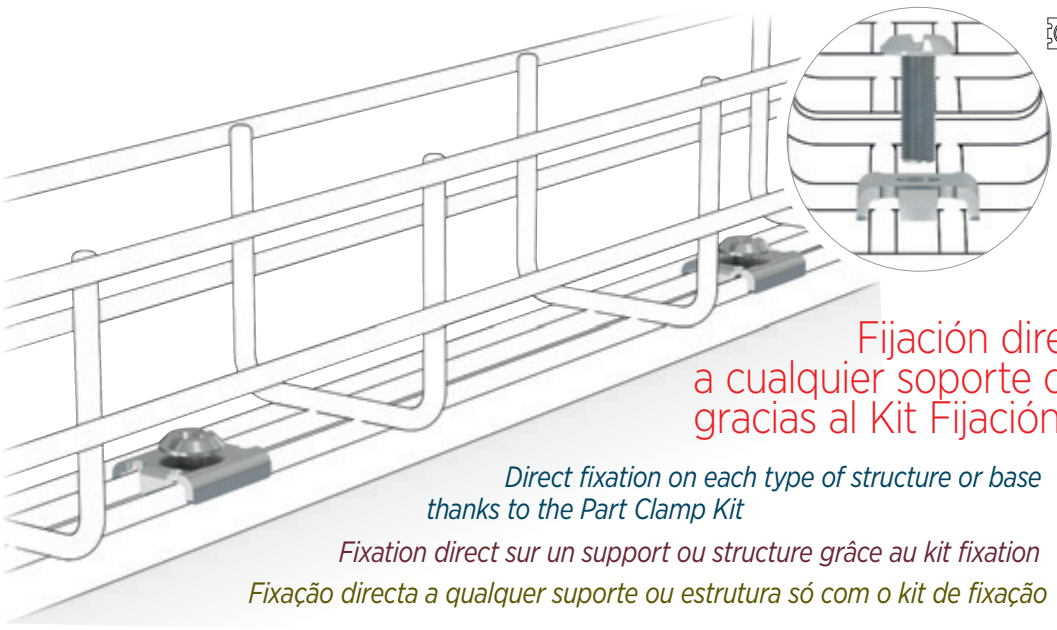
x2 028

Montaje con Uniones reforzadas.

Assembly with Reinforced joint clamps
Montage avec Eclisses renforcées
Montagem com uniões reforçadas

Doble varilla en base. Mejora la fijación.

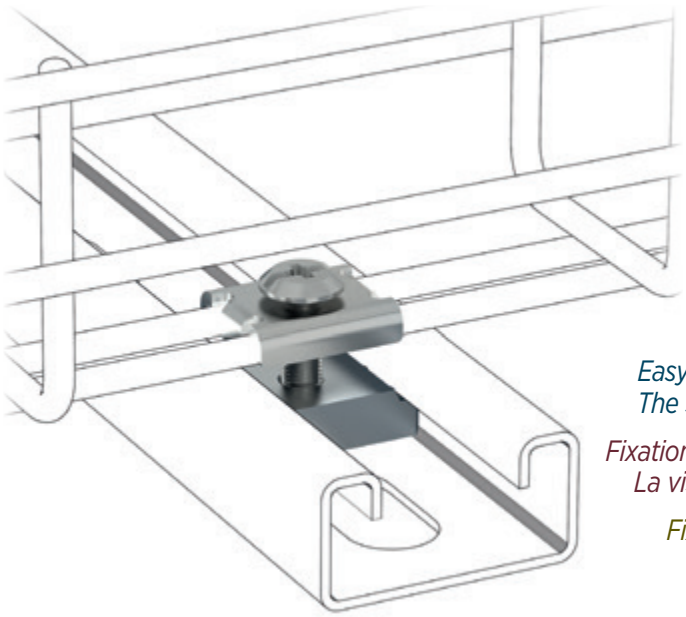
Double base rods. Increase the fixation.
Double Fil pour une fixation amélioré
Base com duplo varão. Melhora a fixação



x2 026

Fijación directa a cualquier soporte o estructura gracias al Kit Fijación

Direct fixation on each type of structure or base thanks to the Part Clamp Kit
Fixation direct sur un support ou structure grâce au kit fixation
Fixação directa a qualquer suporte ou estrutura só com o kit de fixação

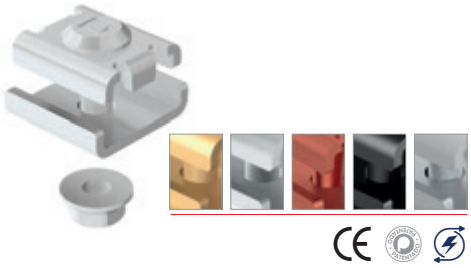


M6 x1 026

Fijación muy fácil sobre Rail con tuerca rail. El tornillo giratorio permite enroscar con la tuerca

Easy fixation on strut with channel nut. The swivel screw allows to connect with the channel
Fixation très simple sur un rail avec une écrou rail. La vis rotative permet de visser avec l'écrou
Fixação facil sobre o Perfil, com porca de perfil. O parafuso gira a porca e fixa o sistema

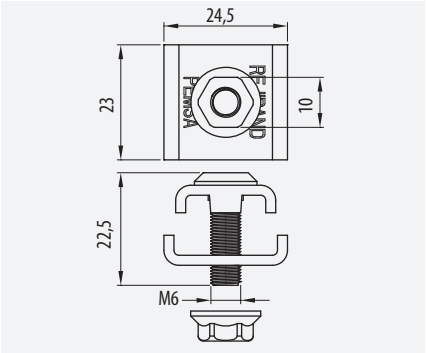
Unión Reforzada
Reinforced Joint Clamp
Eclisse renforcée
União Reforçada



• 35-60-100-150 • 60-600

S	Ref	kg/u	
EZ	64010061	0,029	50
BC	64020061	0,029	50
GC	64030061	0,030	50
CU	68000038	0,029	50
BK8	64080061	0,029	50
316L	64060061	0,029	50

ETIM: EC002413



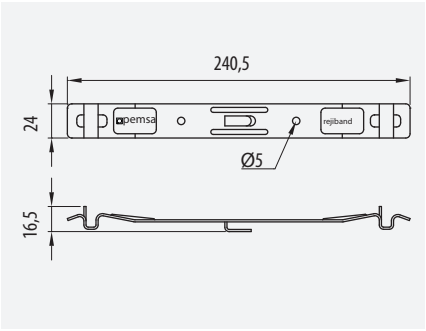
Unión Click
Click Connector
Eclisse Click
União Click



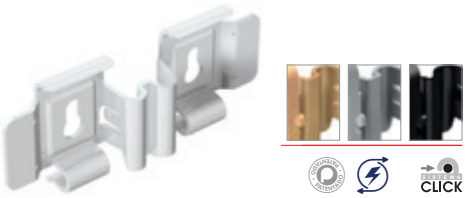
• 35-60-100 • 60-600

S	Ref	kg/u	
EZ	64010020	0,075	25
BC	64020030	0,075	25
GC	64030030	0,077	25
CU	82003258	0,072	25
BK8	64080030	0,075	25

ETIM: EC002413

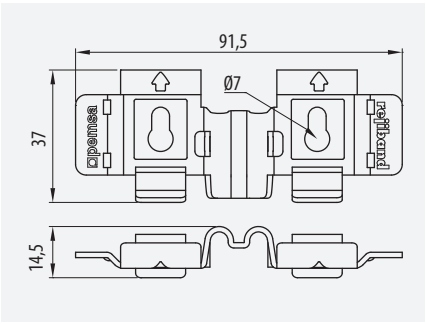


Union Click Rápida
Fast Click Joint
Eclisse Click Rapide
União Click rápida

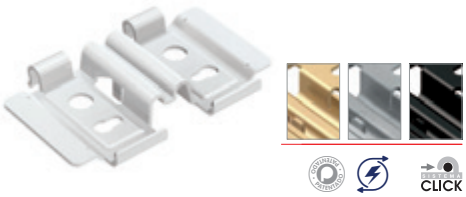


• 60-100 • 60-600

S	Ref	kg/u	
EZ	64010035	0,043	50
BC	64020035	0,043	50
GC	64030035	0,043	50
BK8	64080035	0,043	50

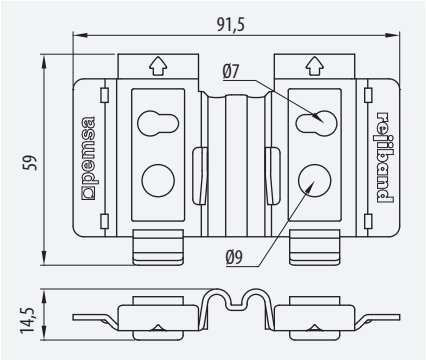


Union Click Rapida Base
Fast Click Base Joint
Eclisse Click Rapide
União Click rápida base



• 60-100 • 300-600

S	Ref	kg/u	
EZ	64010036	0,077	10
BC	64020036	0,077	10
GC	64030036	0,084	10
BK8	64080036	0,077	10



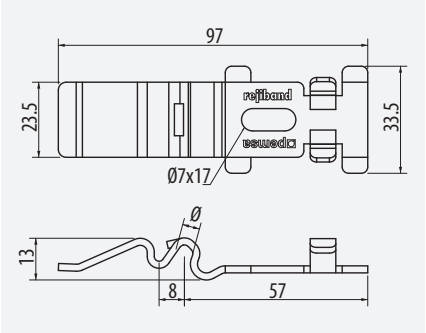
Conector Click
Click Coupler
Eclisse Système Rapide
Conector Click

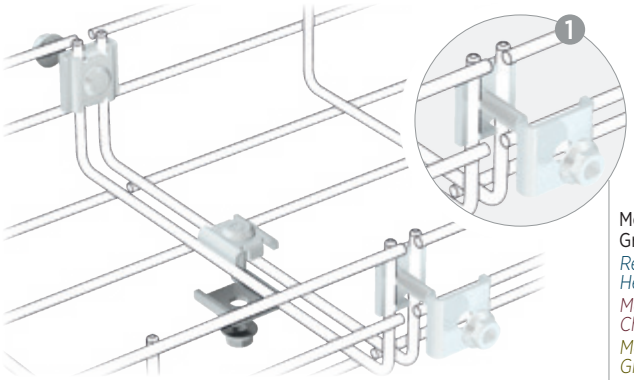


• 60 • 60-600

S	-	Ref	kg/u	
EZ	4,0 / 4,5	64010038	0,064	20
	5,0	64010040	0,064	20
BC	4,0 / 4,5	64020038	0,064	20
	5,0	64020040	0,064	20
BK8	4,0 / 4,5	64080038	0,064	20
	5,0	64080040	0,064	20

ETIM: EC002413





¡Alta Resistencia!

High Resistance
Haute Résistance
Alta Resistência

60-150	2
200-400	2+1
500-600	2+2

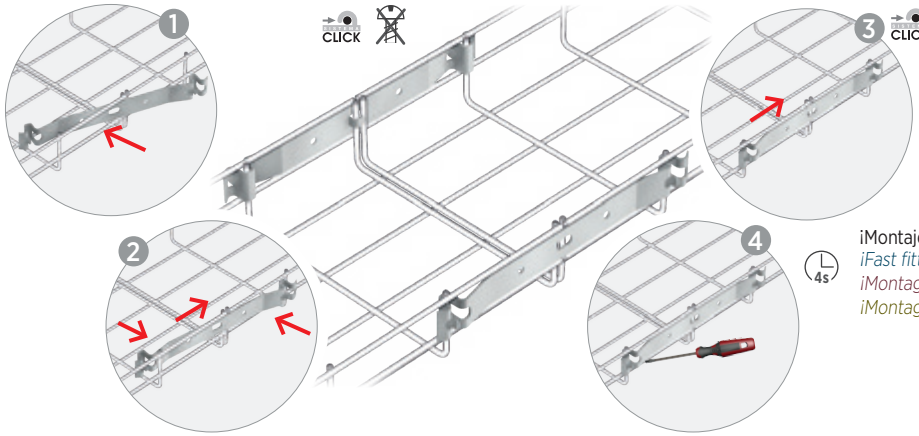
Montaje reforzado.
Grandes cargas
Reinforced assembly.
Heavy duty loads.
Montage Renforcé
Charge Lourde.
Montagem Reforçada.
Grandes cargas

E90

Producto para instalación de Resistencia al fuego E90
Product for E90 Fire Resistance assemblies.
Produit pour installation Résistance au feu E90
Produto para instalações de resistência ao fogo E90

<50mΩ

Continuidad eléctrica según norma
Electrical Continuity guaranteed
Continuité Electrique Selon la Norme
Continuidade electrica em conformidade com a norma



60	2
100	2
150	2
200	2
300	2+1*
400	2+1*
500	2+1*
600	2+1*

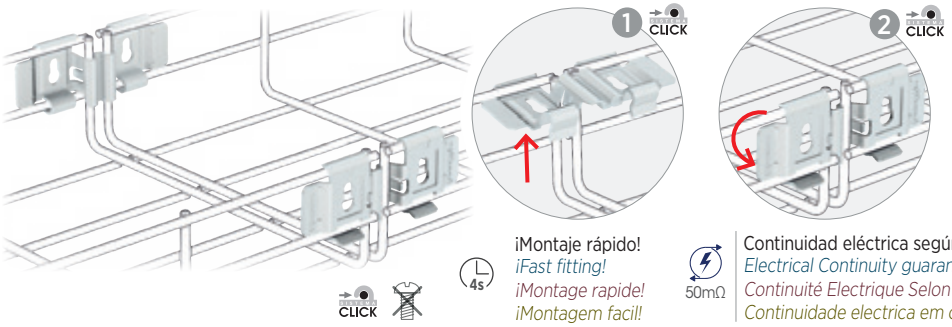
*Base

4s

¡Montaje rápido!
¡Fast fitting!
¡Montage rapide!
¡Montagem facil!

50mΩ

Continuidad eléctrica según norma
Electrical Continuity guaranteed
Continuité Electrique Selon la Norme
Continuidade electrica em conformidade com a norma



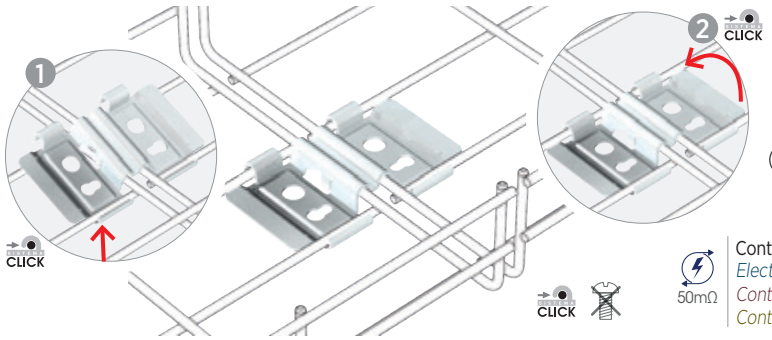
60	2	0
100	2	0
200	2	0
300	2	1
400	2	1
500	2	2
600	2	2

4s

¡Montaje rápido!
¡Fast fitting!
¡Montage rapide!
¡Montagem facil!

50mΩ

Continuidad eléctrica según norma
Electrical Continuity guaranteed
Continuité Electrique Selon la Norme
Continuidade electrica em conformidade com a norma



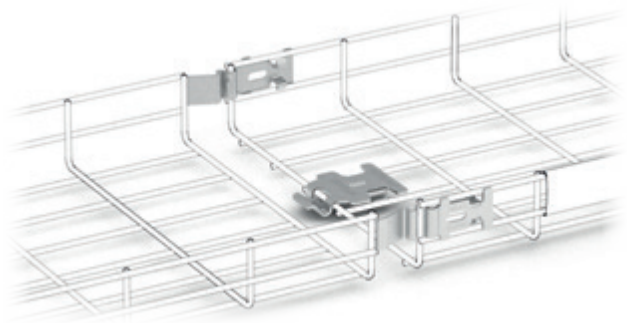
60	2	0
100	2	0
200	2	0
300	2	1
400	2	1
500	2	2
600	2	2

4s

¡Montaje rápido!
¡Fast fitting!
¡Montage rapide!
¡Montagem facil!

50mΩ

Continuidad eléctrica según norma
Electrical Continuity guaranteed
Continuité Electrique Selon la Norme
Continuidade electrica em conformidade com a norma



¡Rápido!

¡Fast!
¡Rapide!
¡Rápido!

028

2s

¡Montaje rápido!
¡Fast fitting!
¡Montage Rapide!
¡Montagem facil!



<50mΩ

Continuidad eléctrica según norma
Electrical Continuity guaranteed
Continuité Electrique selon la Norme
Continuidade electrica em conformidade com a norma

Conector Click Base

Click Base Coupler
Eclisse Système Rapide Bases
Conector Click Base



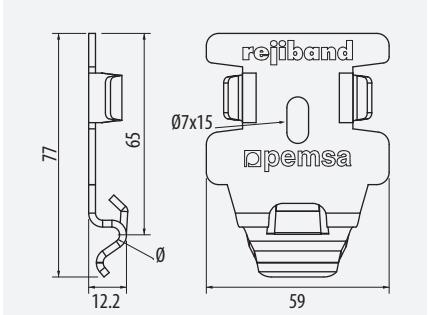


CE CLICK

• 60-100 • 60-600

S	-	Ref	kg/u	u
EZ	4,0	64010046	0,074	20
	5,0	64010048	0,074	20
BC	4,0	64020046	0,074	20
	5,0	64020048	0,074	20
BK8	4,0	64080046	0,074	20
	5,0	64080048	0,074	20

ETIM: EC002413



Placa Unión Lateral

Side Joint Plate
Eclisse d'Accouplement Lateral
Placa de União Lateral



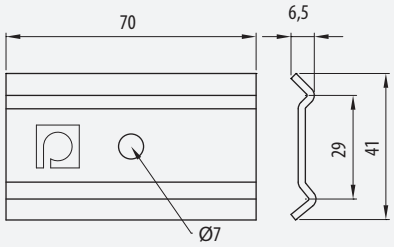


CE

R • 60-100-150 • 60-600

S	Ref	kg/u	u
EZ	64010041	0,0486	50
BC	64020041	0,0486	50
GC	64030041	0,0506	50
BK8	64080041	0,0486	50
316L	64060041	0,0486	50

ETIM: EC002413



Unión Curva

Fast Clip
Eclisse Courbe
Clip de União



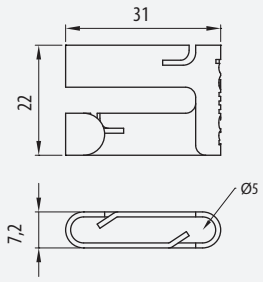


CE CLICK

• 35-60-100-150 • 60-600

S	Ref	kg/u	u
EZ	64010072	0,006	50
BC	64020072	0,006	50
GC	64030072	0,007	50
BK8	64080072	0,006	50

ETIM: EC002413



Multiunión

Splice Plate
Multi Eclisse
Multiunião



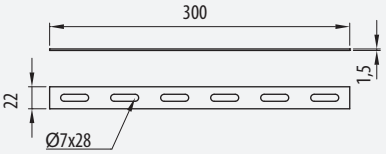


CE

• 35-60-100-150 • 60-600

S	Ref	kg/u	u
EZ	67010053	0,067	10
BC	67020053	0,067	10
GC	67030047	0,071	10
BK8	67080053	0,067	10
316L	67060053	0,066	10

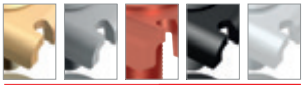
ETIM: EC002413



Fijación

Part Clamp
Fixation
Fixação



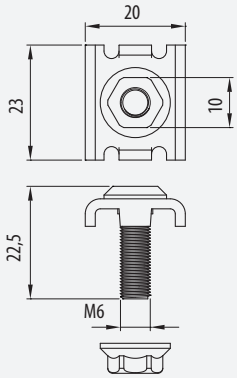


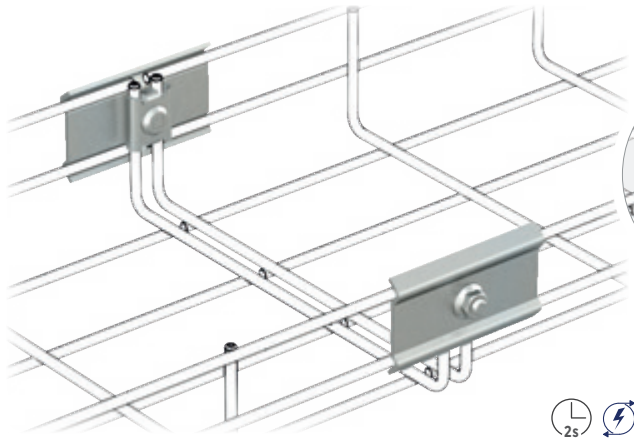
CE

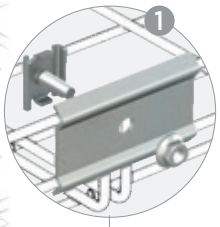
• 35-60-100-150 • 60-600

S	L	Ref	kg/u	u
EZ	20	64010060	0,019	50
BC	20	64020060	0,019	50
GC	20	64030060	0,019	50
	30	64030160	0,020	50
CU	20	82003255	0,0186	50
BK8	20	64080060	0,019	50
316L	20	64060060	0,019	50

ETIM: EC002413







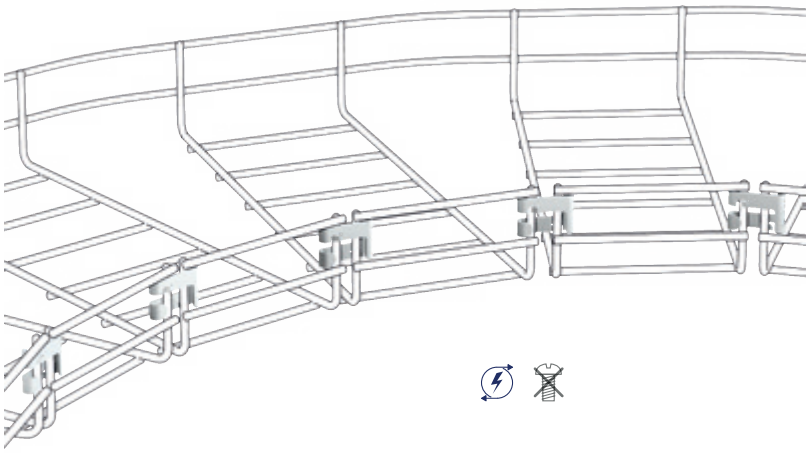
Excelente Ajuste
Máximos valores de carga
Great fitting Maximun load values
Ajustement pour Charge Lourde
Excelente Ajuste
Valores de carga máximos

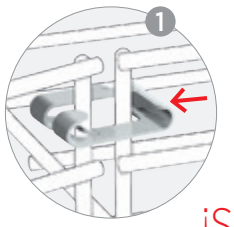
60-200	2	2	0
300-400	2	2	1
400-600	2	2	2

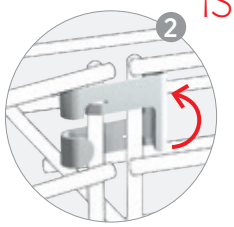
*Base

50mΩ

Continuidad eléctrica según norma
Electrical Continuity guaranteed
Continuité Electrique selon la Norme
Continuidade electrica em conformidade com a norma

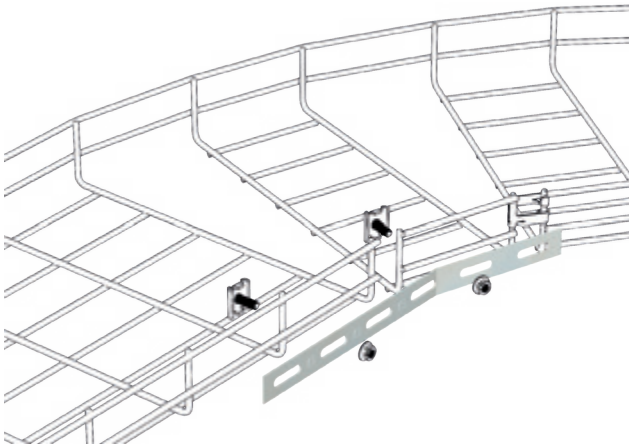


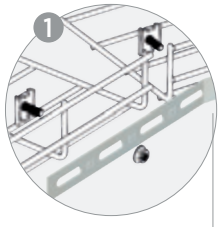


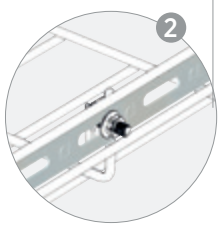


¡Rápido!
¡Fast! ¡Rapide! ¡Rápido!

¡Sin herramientas!
No tools
Sans outils
Sem ferramentas



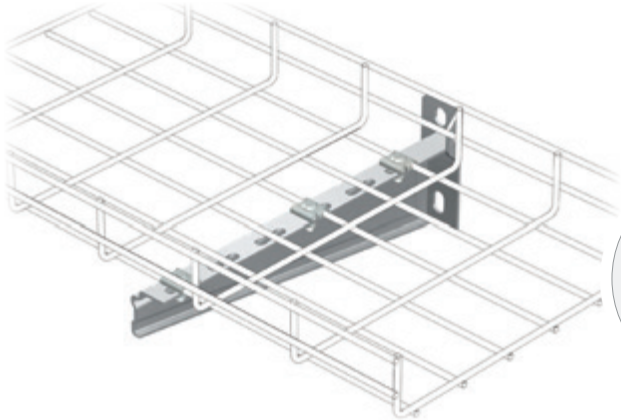


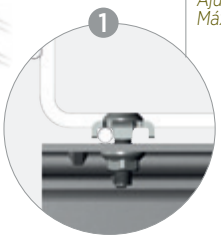


Facilita la creacion de curvas
Facilitates the making of curves
Facilité de création de courbe
Facilita a criação de curvas

100-200	4	2
300	6	2+1
400-600	8	2+2

¡Polivalente!
Versatile
Polyvalent
Polivalente





Ajuste preciso
Máxima resistencia
Precise fitting
Maximun resistance
Ajustement précis pour Maxi résistance
Ajuste preciso
Máxima résistencia

100-150	1
200-400	2
500-600	3

030

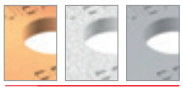
E90

E90

Producto para instalación de Resistencia al fuego E90
Product for E90 Fire Resistance assemblies
Produit pour Installation résistante au feu
Produto para instalação de Resistência ao fogo E90

Placa de Unión
Connector Plate
Plaque d'Acouplement
Placa de União

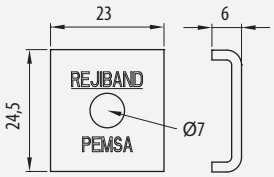




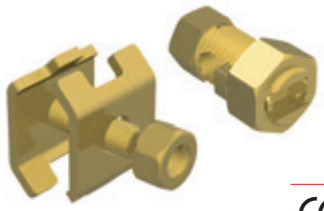
35-60-100-150 • 60-600

S	Ref	kg/u	u
EZ	64010062	0,0102	50
BC	64020062	0,0102	50
GC	64030062	0,0102	50
316L	64060062	0,0102	50
BK8	64080062	0,0102	50

ETIM: EC002413



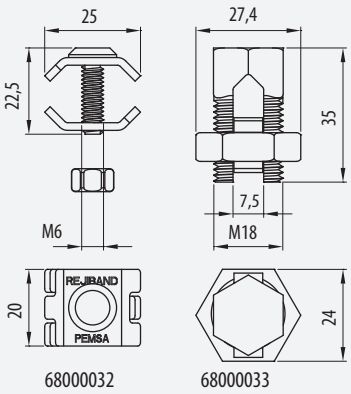
Borna Equipotencialidad
Bonding Connector
Borne de terre
Borne de Terra



35-60-100-150 • 60-600

S	mm²	Ø máx (mm)	Ref	kg/u	u
LAT	16-35	6,5	68000032	0,025	20
	35-45	7,5	68000033	0,064	20
	16-50	8	68000034	0,024	20
	50-110	11,5	68000035	0,043	20

ETIM: EC002935



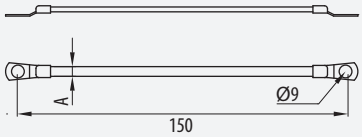
Conector Trenzado
Earth Continuity Connector
Connecteur Tressé
Trança de ligação



35-60-100-150 • 60-600

S	A (mm²)	Ref	kg/u	u
LAT	12	68000036	0,014	10
	16	68000037	0,020	10

ETIM: EC002935



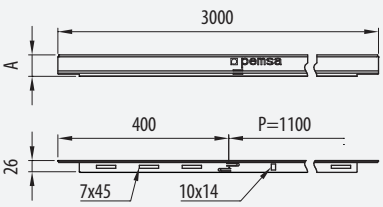
Tabique Separador Click
Click Divider
Cloison de séparation
Placa Separadora Click



35-60-85-100 • 60-600

S	A		Ref	kg/m	u
PG	25	35	67020610	0,212	60
	50	60	67020611	0,312	48
	80	100	67020612	0,444	36
GC	25	35	67030610	0,261	60
	50	60	67030611	0,384	48
	80	100	67030612	0,541	36
AZ+	50	60	81000312	0,386	48
304	25	35	67050610	0,207	60
	50	60	67050611	0,305	48
	80	100	67050612	0,430	36
316L	25	35	67060610	0,207	60
	50	60	67060611	0,305	48
	80	100	67060612	0,430	36

ETIM: EC001000

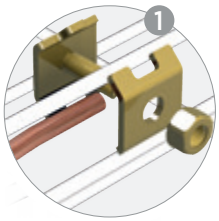


030

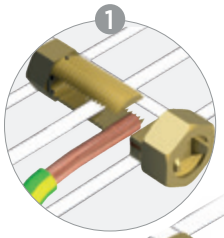
Conexión Equipotencial
Bonding Connection
Mise à la terre
Conexão Equipotencial

¡Solucionado!

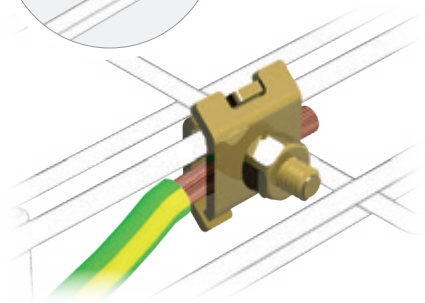
Resolved
Solution
Solucionado

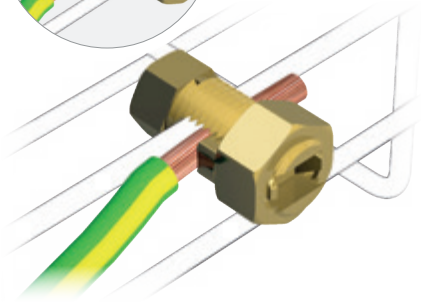


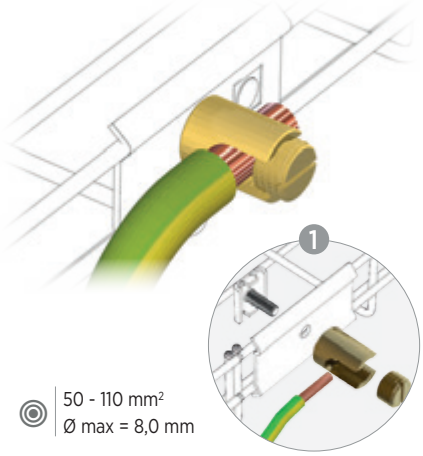
16 - 35 mm².
ref. 68000032
Ø max = 6,5 mm



36 - 45 mm².
ref. 68000033
Ø max = 7,5 mm

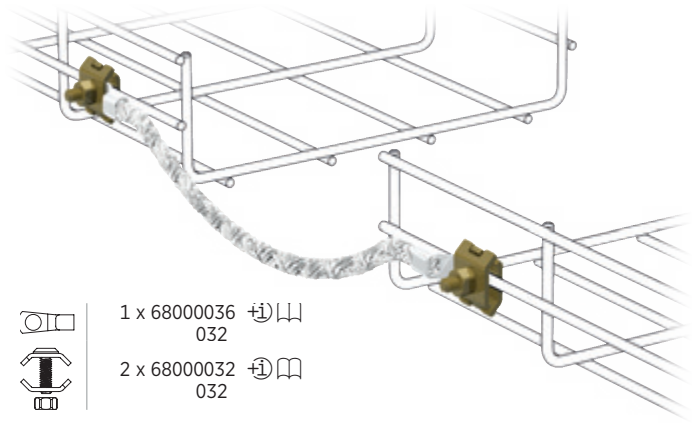




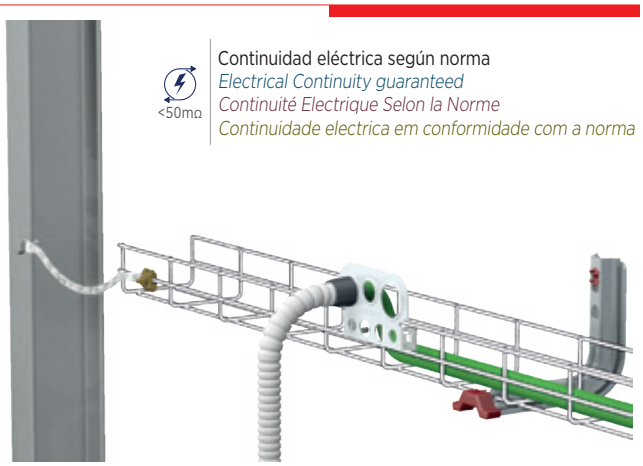


50 - 110 mm²
Ø max = 8,0 mm

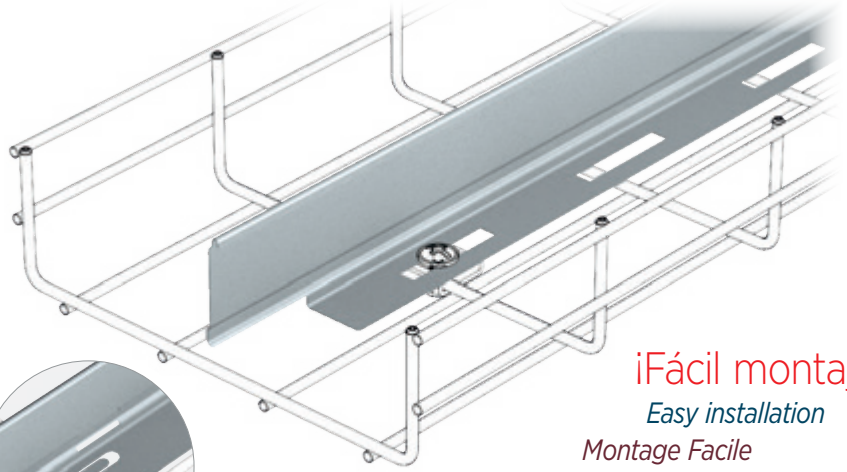
ref. 68000035 032
+
ref. 640X0041 030
+
ref. 640X0060 030



1 x 68000036 032
2 x 68000032 032

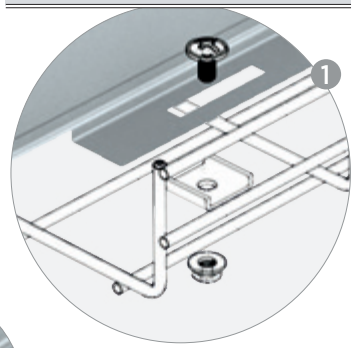


<50mΩ
Continuidad eléctrica según norma
Electrical Continuity guaranteed
Continuité Electrique Selon la Norme
Continuidade electrica em conformidade com a norma



x1
M6x20
x1m 174

GC

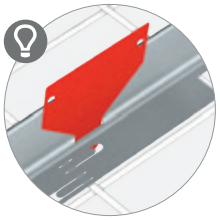


¡Fácil montaje!

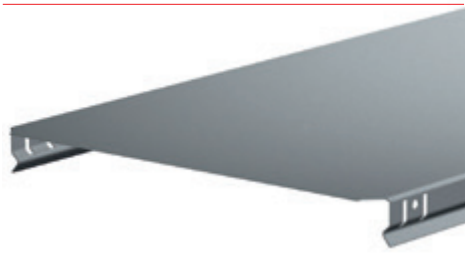
Easy installation
Montage Facile
Montagem Facil

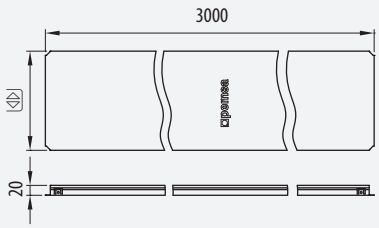


Sistema Click.
Sin tornillos.
Click System.
No screws are required
Système Click.
Sans tounevis
Sistema Click.
Sem parafusos



Tapa
Cover
Couvercle
Tampa







CE CLICK

• 35-60-100-150 • 60-600

S		Ref	kg/u	
PG	60	73021060	0,462	24
	100	73021100	0,653	24
	150	73021150	0,892	12
	200	73021200	1,131	12
	300	73021300	1,890	6
	400	73021400	2,452	6
	500	73021500	3,437	6
	600	73021600	4,078	6
GC	60	73031060	0,617	24
	100	73031100	0,872	24
	150	73031150	1,190	12
	200	73031200	1,507	12
	300	73031300	2,424	6
	400	73031400	3,823	6
	450	73031450	3,556	6
	500	73031500	4,700	6
	600	73031600	5,577	6
AZ+	60	82003760	0,460	24
	100	82003761	0,640	24
	150	82003762	0,880	12
	200	82003763	1,120	12
	300	82003764	1,840	6
	400	82003765	2,390	6
	500	82003766	3,370	6
	600	82003767	4,000	6

• 35-60-100-150 • 60-600

S		Ref	kg/u	
PO	600	82003767	0,493	6
	100	73041100	0,697	24
	150	73041150	0,948	12
	200	73041200	1,203	12
	300	73041300	1,994	6
	400	73041400	2,584	6
	500	73041500	3,612	6
	600	73041600	4,286	6
304	60	73051060	0,385	24
	100	73051100	0,544	24
	150	73051150	0,750	12
	200	73051200	0,957	12
	300	73051300	1,380	6
	400	73051400	2,116	6
	500	73051500	2,602	6
	600	73051600	3,577	6
316L	60	73061060	0,385	24
	100	73061100	0,544	24
	150	73061150	0,750	12
	200	73061200	0,957	12
	300	73061300	1,380	6
	400	73061400	2,116	6
	500	73061500	2,602	6
	600	73061600	3,577	6

ETIM: EC001000

Fijación Tapa **rejiband®**
rejiband® *cover fixing*
Fixation couvercle **rejiband®**
Fixação tampa **rejiband®**

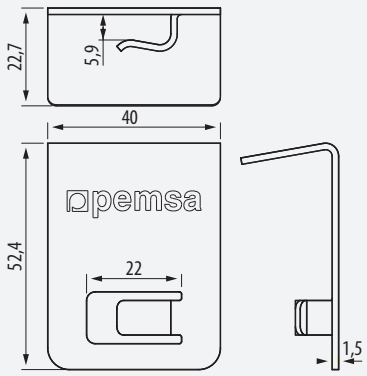




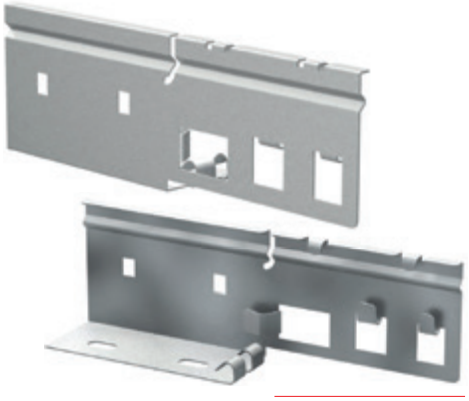
CE CLICK

• 60 • 60-600

S	Ref	kg/u	
PG	70120200	0,190	2
GC	70130200	0,214	2
AZ+	82003333	0,033	100



Unión **rejiband®**- **pemsaband®**
Coupler **rejiband®**- **pemsaband®**
Eclisse d'Assemblage **rejiband®**-**pemsaband®**
União **rejiband®**- **pemsaband®**

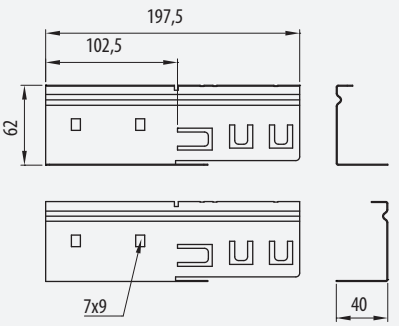


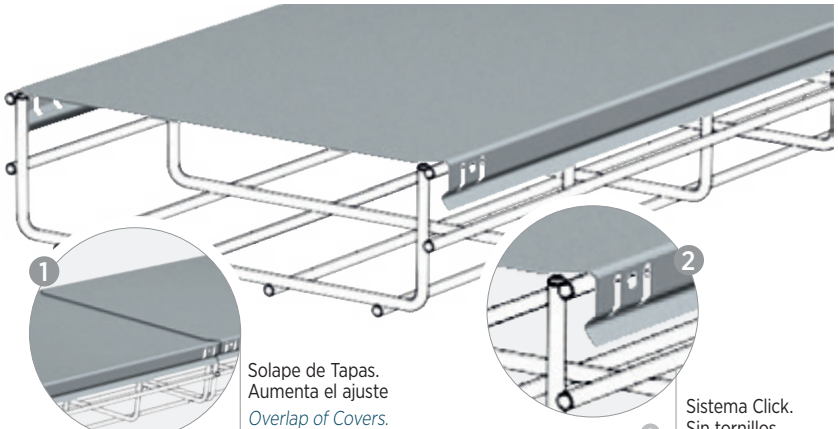
CE CLICK

• 60 • 60-600

S	Ref	kg/u	
PG	70120200	0,190	2
GC	70130200	0,214	2

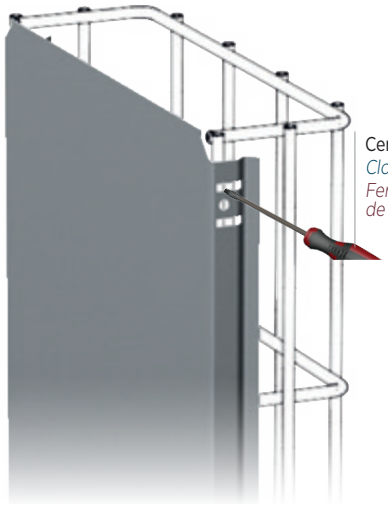
ETIM: EC002413





Solape de Tapas.
Aumenta el ajuste
Overlap of Covers.
Increases the rigidity
Dissimule l'ajustement
Sobreposição de tampas
aumenta a rigidez

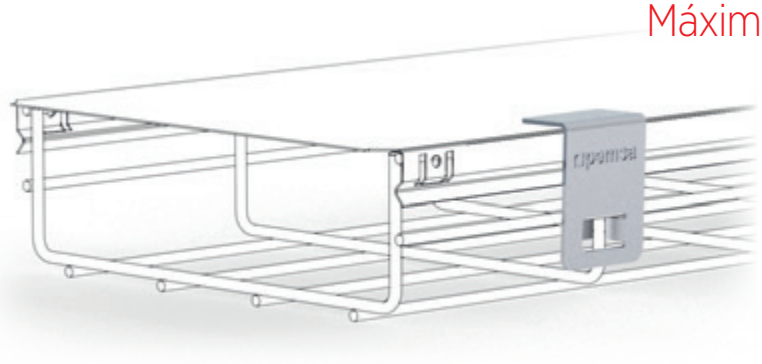
Sistema Click.
Sin tornillos.
Click System.
No screws are required
Système Click.
Sans tounevis
Sistema Click.
Sem parafusos



Cerrar Clip
Close Clip
Fermeture
de Click

¡Fijación vertical segura!

Sin elementos auxiliares
Safe vertical installation. No additional fixings
Fixation Vertical Sécurisé. Sans élément Auxiliaire
Fixação vertical segura. Sem elementos auxiliares

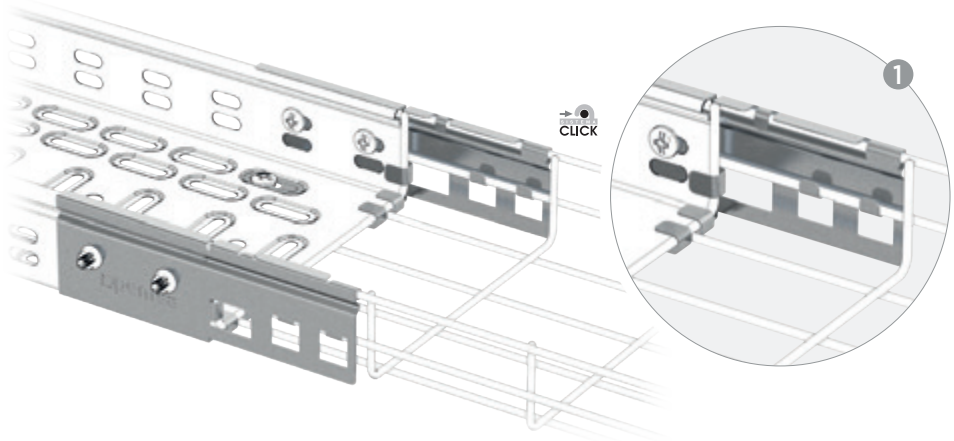


Máxima seguridad ante viento y climatología extrema

Seguridad potenciada frente climatología extrema y viento

Maximum safety against wind and extreme weather.

Enhanced security versus extreme weather and wind





Continuidad eléctrica según norma
Electrical Continuity guaranteed
Continuité Electrique selon la Norme
Continuidade electrica em
conformidade com a norma

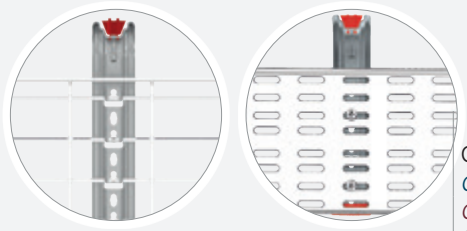


6 x 67030093 174

IDEA

Universal Omega Splus





Compatibles con todas las bandejas
Compatible with all trays
Compatible avec tous les chemins
de câbles
Compatível com todas as calhas

IEC 61537

126

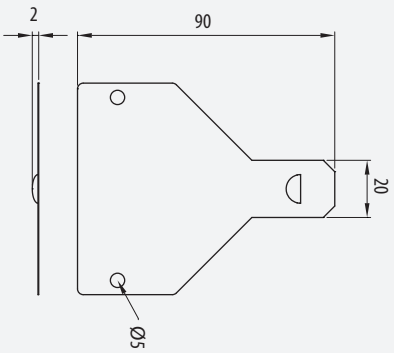
Portaetiqueta
Identification Label
Porte étiquette d'identification
Porta Etiqueta



35-60-100-150 • 60-600

Ref	kg/u	
68000020	0,002	50

ETIM: EC002935



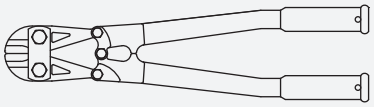
Tenaza Corte
Bolt Croppers
Tenailles
Turquês



35-60-100-150 • 60-600

Ref	kg/u	
68000058	1,600	1

ETIM: EC002935



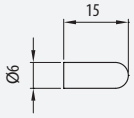
Punta de Remate
Wire End Cap
Embout de finition
Ponta remate



35-60-100-150 • 60-600

Ref	kg/u	
68000049	0,001	100

ETIM: EC002935



Pintura Zinc 400 ml
Zinc Paint Spray 400 ml
Peinture de Zinc 400 ml
Pintura de Cinco 400 ml



35-60-100-150 • 60-600

Ⓢ	Ref	kg/u	
GC	68000052	0,520	1
BK8	68000053	0,520	1

ETIM: EC002935

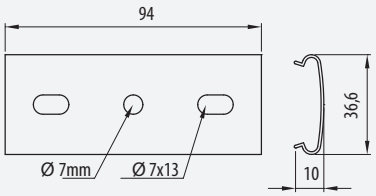
Soporte Caja
Box Support
Support Boîtier
Suporte Caixas



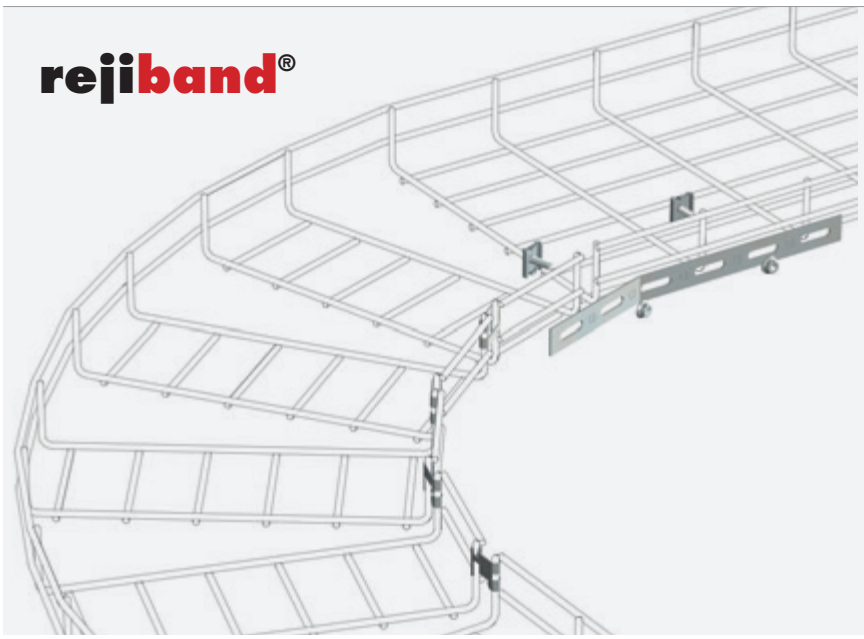
35-60-100-150 • 60-600

Ref	kg/u	
68000040	0,010	20

ETIM: EC002935



rejiband®



IDEA

Curvas, Derivaciones, accesorios

Bends, T, accessories

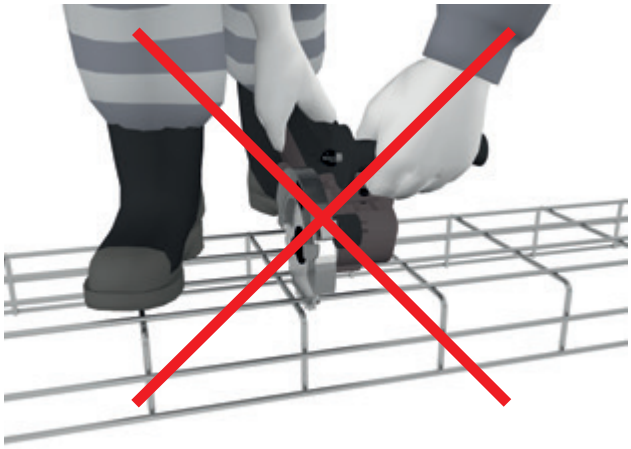
Courbes de dérivation, accessorios

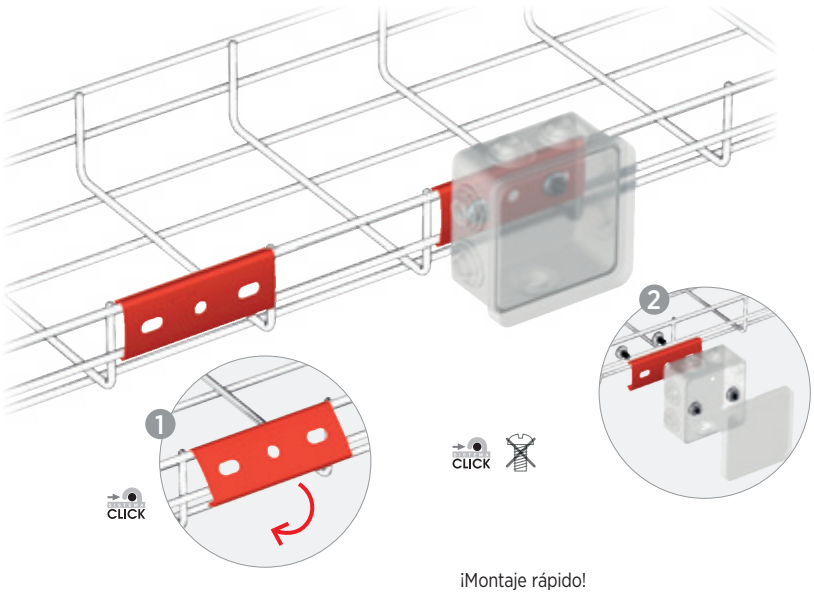
Curvas, Derivações, accessorios



Descargue aquí.
Download here.
Télécharger ici.
Baixe aqui







¡Montaje rápido!
¡Fast fitting!
¡Montage Rapide!
¡Montagem facil!

¡Rápido, económico!

Fast and economical

Rapide, Economique

Rápido e barato

Multiples Aplicaciones:
- Luminarias
- Emergencias
- Cajas
- Router
- Sensores
- Detectores CO_2
- Cámaras

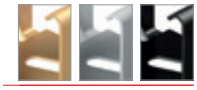
Multiple Applications:
- *Lamps*
- *Emergency lightning*
- *Boxes*
- *Router*
- *Sensors*
- *Detectors CO_2*
- *Cameras*

Multiples applications:
- *Luminaires*
- *Bloc secours*
- *Caisse*
- *Routeur Wifi*
- *Capteurs*
- *Détections CO_2*
- *Caméras*

Múltiples Aplicaçoes:
- *Luminárias*
- *Emergências*
- *Caixas*
- *Router*
- *Sensores*
- *Detetores CO_2*
- *Câmeras*

Soporte Luminaria y Caja
Luminaire and Box Support
Support Luminaire & Boîte de Dérivation
Suporte Luminária e Caixa





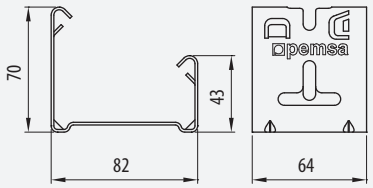
CE CLICK

• 35-60 • 100-600

S	Ref	kg/u	u
EZ	67010030	0,143	10
BC	67020030	0,143	10
GC	67030030	0,144	10
BK8	67080030	0,143	10

NO 60, 150, 450

ETIM: EC002935



Mini Soporte
Mini Universal Bracket
Mini Support
Mini Suporte



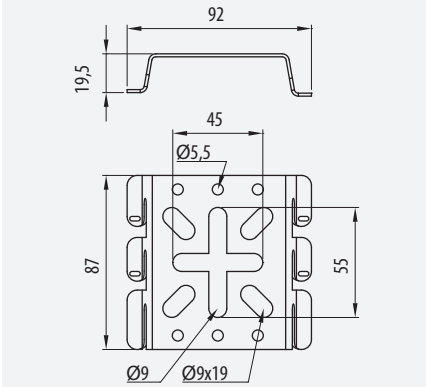


CE CLICK

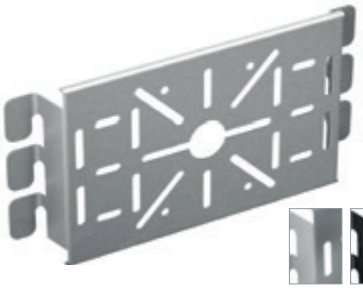
• 35-60-100-150 • 60-600

S	Ref	kg/u	u
PG	62026010	0,091	10
GC	62036010	0,101	10
BK8	62086010	0,091	10
316L	62066010	0,095	10

ETIM: EC000022



Soporte Universal
Universal Bracket
Supports Universel
Suporte Universal



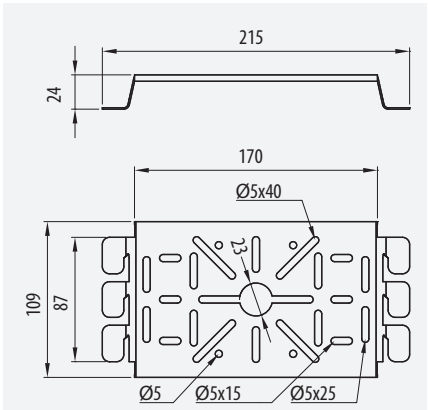


CE CLICK

• 35-60-100-150 • 60-600

S	Ref	kg/u	u
PG	62026011	0,173	10
GC	62036011	0,187	10
BK8	62086011	0,173	10
316L	62066011	0,180	10

ETIM: EC000022



Soporte Brida
Fixing Support
Support Brides
Suporte Abraçadeiras

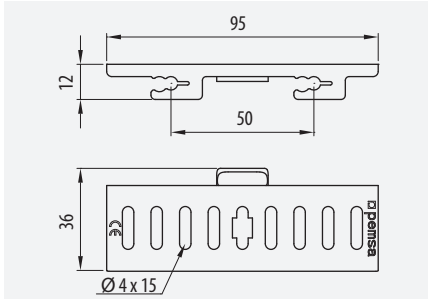


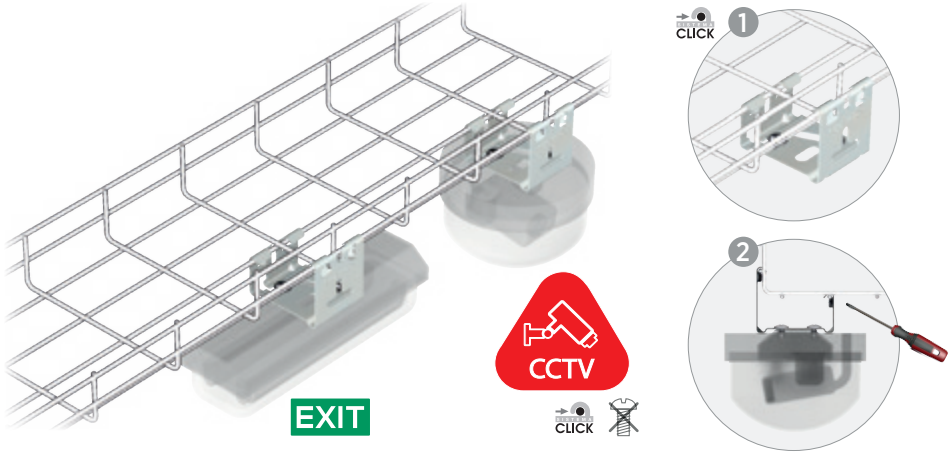
CE CLICK

• 35-60-100-150 • 60-600

Ref	kg/u	u
68000010	0,009	20

ETIM: EC002407





Multiples Aplicaciones:

- Luminarias
- Emergencias
- Cajas
- Router
- Sensores
- Detectores CO_2
- Cámaras

Multiple Applications:

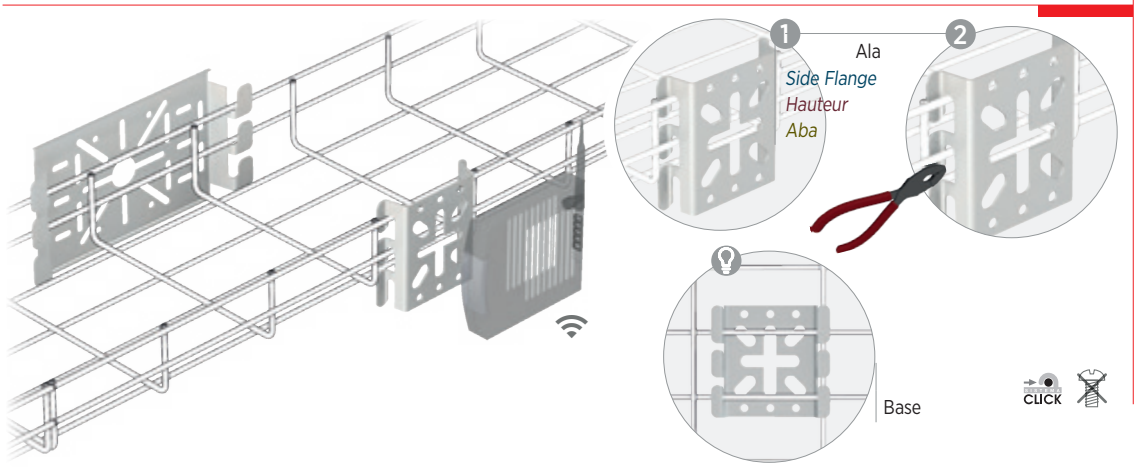
- *Lamps*
- *Emergency lightning*
- *Boxes*
- *Router*
- *Sensors*
- *Detectors CO_2*
- *Cameras*

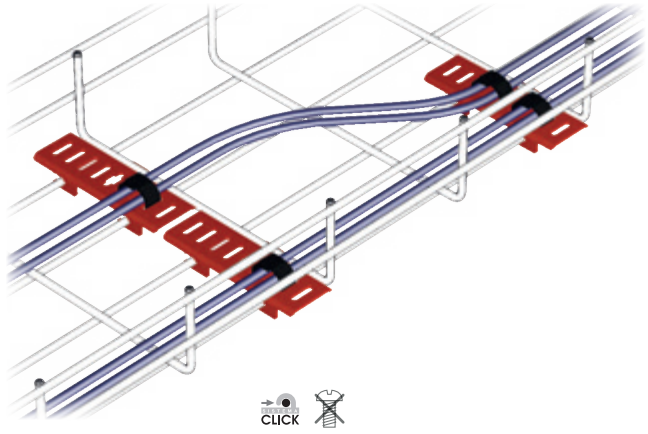
Multiples applications:

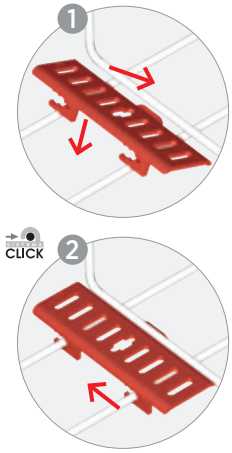
- *Luminaires*
- *Bloc secours*
- *Caisse*
- *Routeur Wifi*
- *Capteurs*
- *Détections CO_2*
- *Caméras*

Múltiples Aplicaçoes:

- *Luminárias*
- *Emergências*
- *Caixas*
- *Router*
- *Sensores*
- *Detetores CO_2*
- *Câmeras*







¡Cables organizados!

Cable Management
Câble Organiseur
Gestão de cabos

Cables / *Cables / Câbles / Cabos*
UTP Cat

Fibra óptica / *Fibre Optic*

Cables de Potencia
Power Cables
Câbles d'alimentation
Cabos de alimentação



SOLUTIONS

Centro de Datos
Data Center
Centre des données
Data Centers

rejiband® RAPIDE

BC | BK8

IEC 61537 IECEE N.VE-1

Rejifix

Rejifix
Réjifix
Rejifix

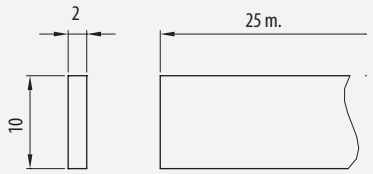


CE CLICK

35-60-100-150 • 60-600

Ref	kg/u	
68000002	0,140	1

ETIM: EC002407



Placa Identificación

Identification Plate
Plaque d'identification
Placa de Identificação

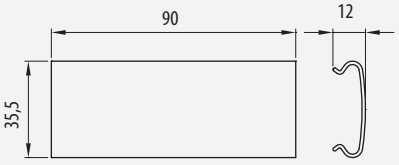


CE CLICK

60-100-150 • 60-600

Ref	kg/u	
69000400	0,011	20

ETIM: EC002407



Salida de Fibra Óptica

Data Outlet
Sortie Fibre Optique
Saída Fibra Óptica

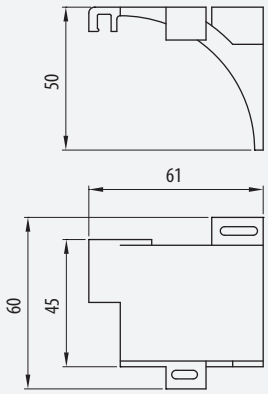


CE CLICK

35-60-100-150 • 60-600

Ref	kg/u	
67020039	0,014	10

ETIM: EC002407



Salida de Cables

Cable Outlet
Sortie de Câbles
Saída de Cabos

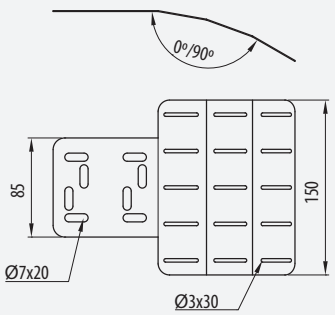


CE CLICK

35-60-100-150 • 60-600

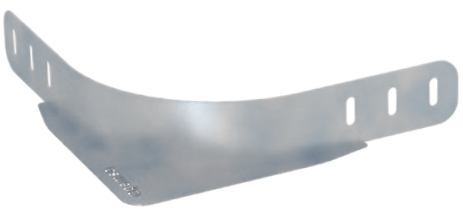
	Ref	kg/u	
PG	67010016	0,132	1
GC	67030016	0,157	1

ETIM: EC002407



Curva Soporte Radio

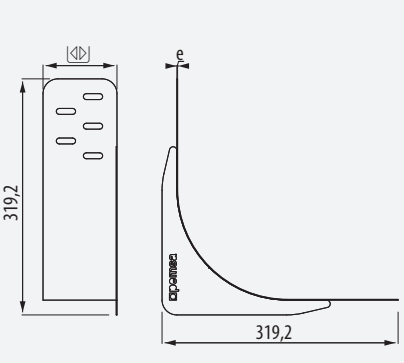
Radius Support
Courbe Support Rayon
Curva Suporte Raio

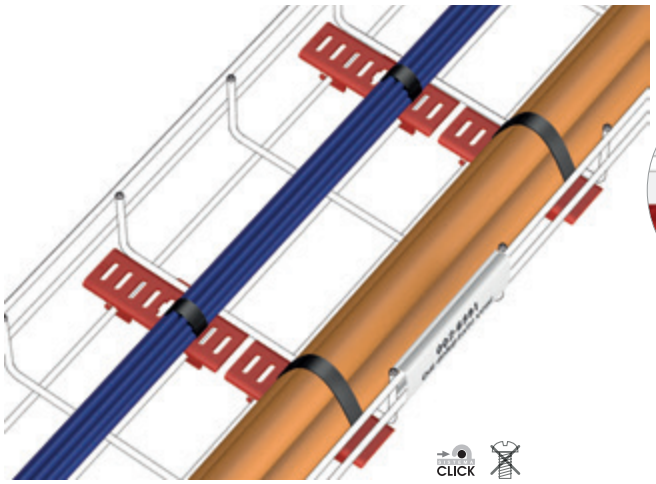


CE CLICK

60-100 • 60-600

	Ref	kg/u	
EZ	82003330	0,366	1
GC	82003332	0,366	1



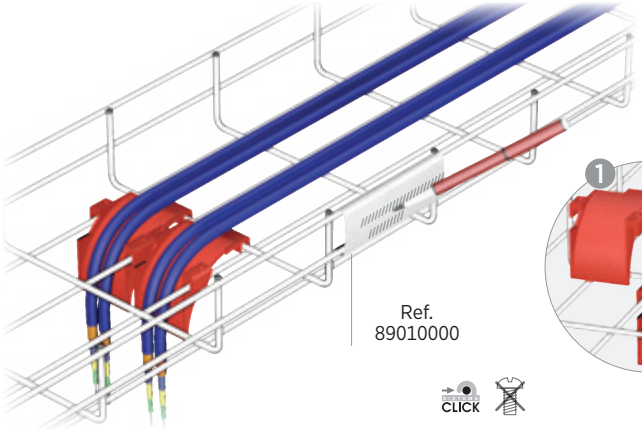




¡Reutilizable!

Reusable
Réutilisable
Réutilisable

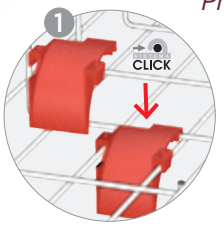
Fijación de Cables de potencia y datos
Fixation of power and data cables
Fixation de Câbles de puissance et de données
Fixação de Cabos de alimentação e dados

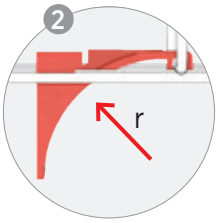


Ref.
89010000

Protege el cable.
¡Radio curvatura óptimo!

Protects cables. Optimum bending radius
Protection câble. Pour une Courbure Parfaite
Protege o Cabo. Raio de curvatura adequado

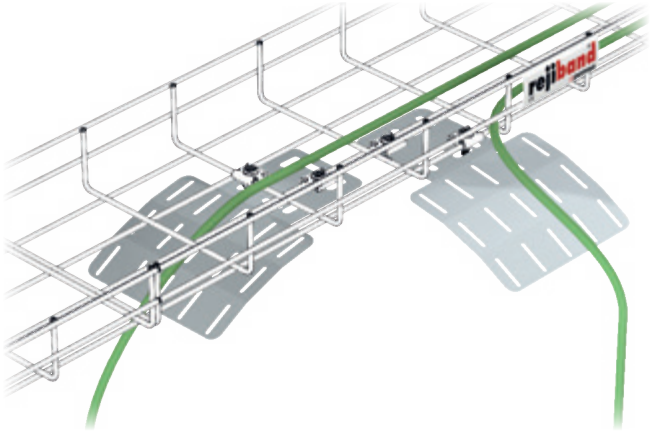


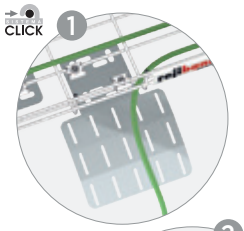


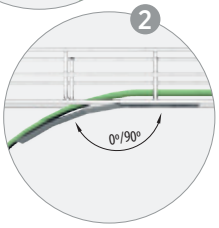
Cables / *Cables / Câbles / Cabos*
UTP Cat

Fibra óptica / *Fibre Optic*

Radio Curvatura <50 mm
Bending Radius <50 mm
Irradient la Courbure <50 mm
Raio Curvatura <50 mm





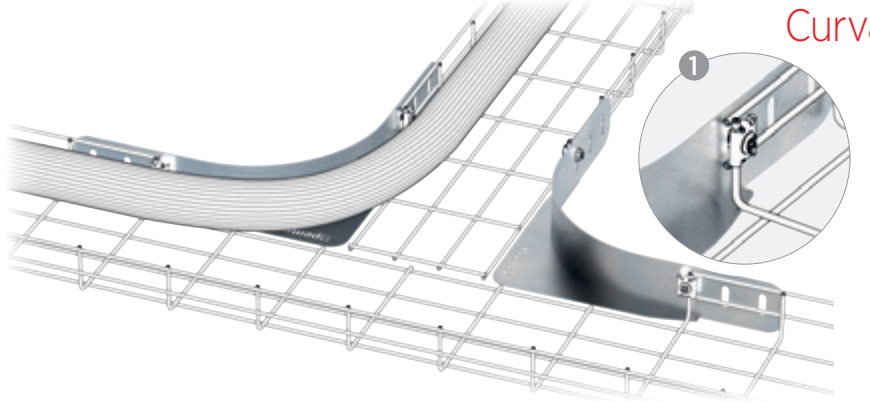


x 2 040

¡Ajustable!

Adjustable
Ajustable
Ajustável

Protege la salida de Cables de Potencia y Datos
Outlet protection for Power and Data Cables
Protège la sortie de Câbles de puissance et des Données
Protege a saída do Cabos de alimentação e dos



Curvas mejoradas y seguras

en bandejas de rejilla Rejiband en instalaciones de cables de datos y Data Centers

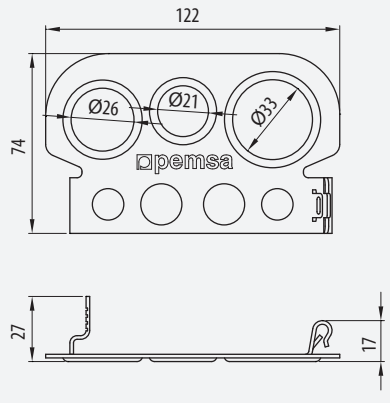
Salida de Tubo
Conduit Gland Bracket
Sortie de Tube
Saída de Tubo



60-100-150 • 60-600

	Ref	kg/u	
EZ	67010040	0,065	10
BC	67020040	0,065	10
BK8	67080040	0,082	10

ETIM: EC002407



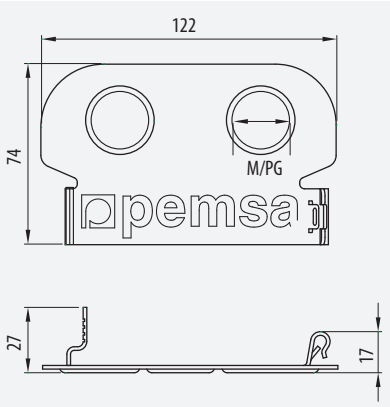
Salida de Tubos Doble
Double Gland Bracket
Sortie de Tube Double
Saída de Tubo Duplo



60-100-150 • 60-600

		Ref	kg/u	
EZ	M20, PG13, ½”	67010240	0,101	10
	M25, PG16, 3/4”	67010340	0,097	10
	M32, PG29, 1”	67010440	0,089	10
BC	M20, PG13, ½”	67020240	0,101	10
	M25, PG16, 3/4”	67020340	0,097	10
	M32, PG29, 1”	67020440	0,089	10
BK8	M20, PG13, ½”	67080240	0,101	10
	M25, PG16, 3/4”	67080340	0,097	10
	M32, PG29, 1”	67080440	0,089	10

ETIM: EC002407



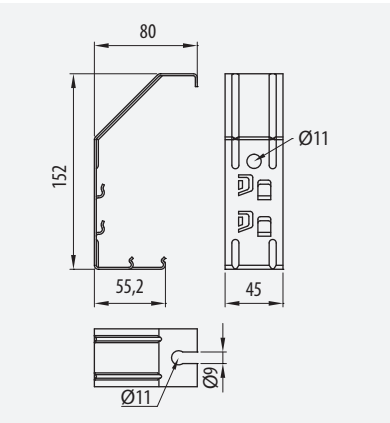
Soporte Ligero Techo
Light Duty Ceiling Support
Support Plafond Légère
Suporte Ligeiro Tecto



35-60 • 60-100-150

	Ref	kg/u	
EZ	62016020	0,127	10
BC	62026020	0,127	10
GC	62036020	0,127	10
BK8	62086020	0,127	10

NO rejiband® 35x60
ETIM: EC000022



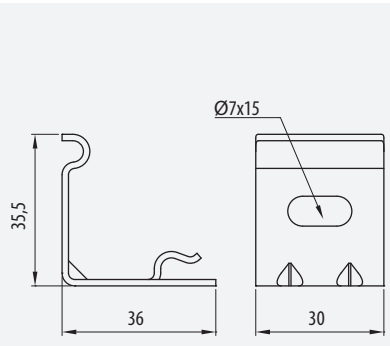
Soporte Ligero Pared
Light Duty Wall Support
Support Mural Léger
Suporte Ligerio Parede

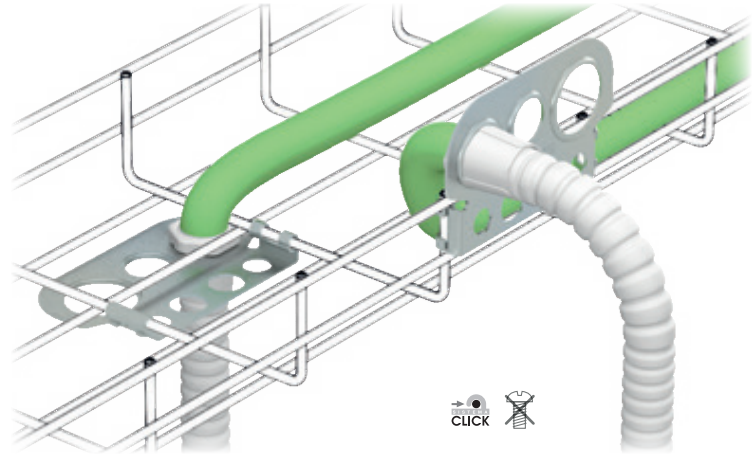


60 • 100

	Ref	kg/u	
EZ	62016021	0,055	25
BC	62026021	0,055	25
GC	62036021	0,055	25
BK8	62086021	0,055	25

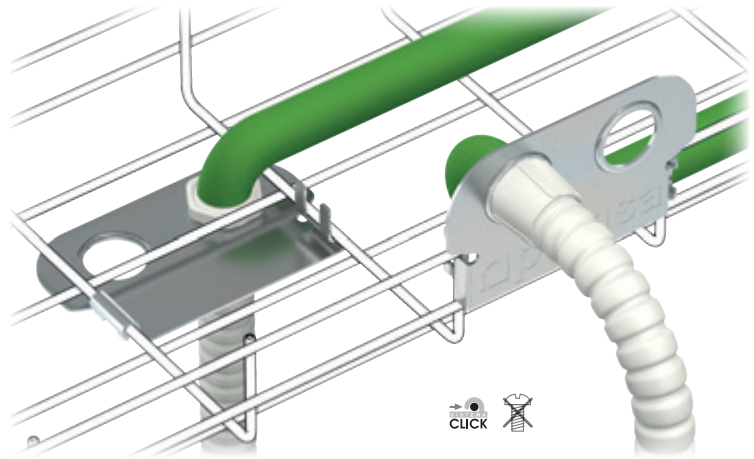
ETIM: EC000022





¡Protege salida del cable!

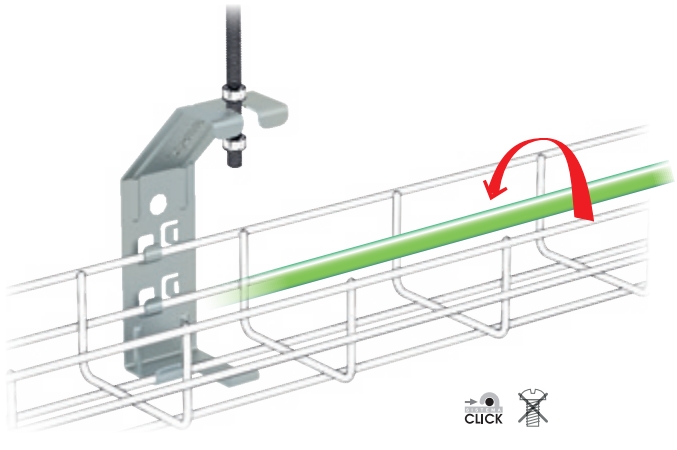
Protects cable outlet
Protège la sortie de Câble
Protege saída do cabo

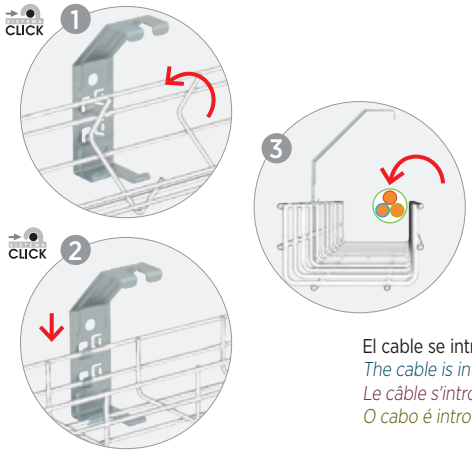


Usar con Tubo Pemsa + Racor RGp

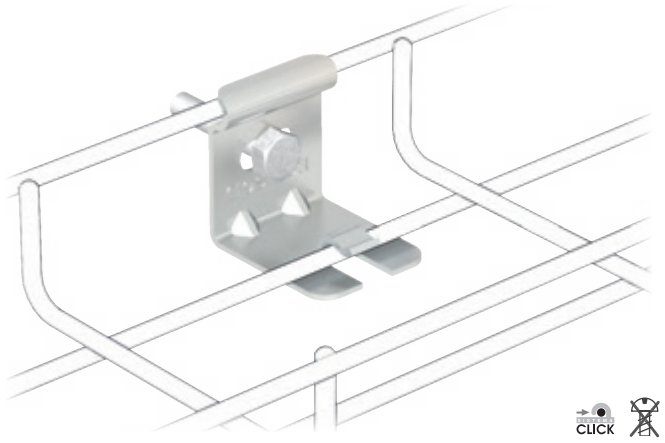
Use with Pemsa Conduit + RGp Coupler
Utiliser avec du tube Pemsa + Racord RGp
Use com Tubo Pemsa + Racor RGp

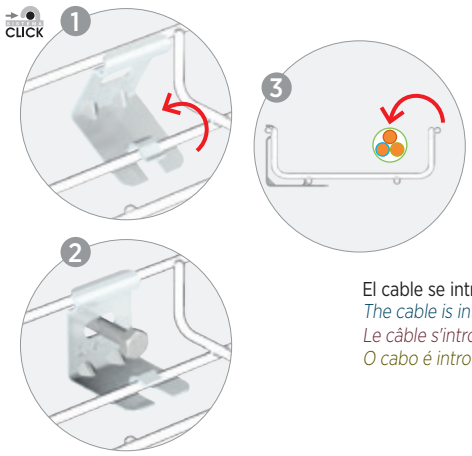
235
236





El cable se introduce lateralmente
The cable is introduced laterally
Le câble s'introduit latéralement
O cabo é introduzido lateralmente





El cable se introduce lateralmente
The cable is introduced laterally
Le câble s'introduit latéralement
O cabo é introduzido lateralmente

pemsa

Soporte Ligero 60

Base Support 60

Support Léger 60

Suporte Ligeiro 60



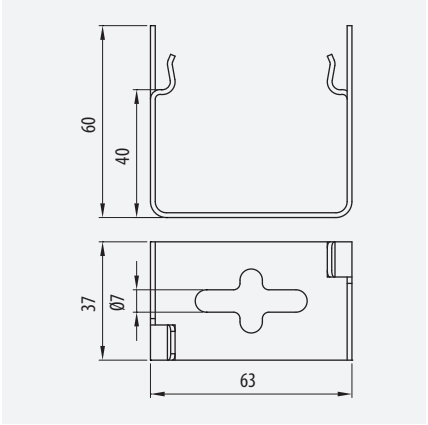


CE CLICK

• 35-60 • 60

	Ref	kg/u	
EZ	62016022	0,066	10
BC	62026022	0,066	10
GC	62036022	0,066	10
BK8	62086022	0,066	10
316L	62066022	0,066	10

ETIM: EC000022



Soporte 60

Side Support 60

Support 60

Suporte 60



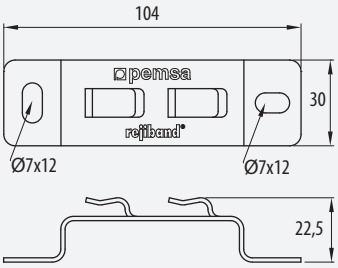


CE CLICK

• 60 • 60-100-150

	Ref	kg/u	
EZ	62011060	0,042	25
BC	62021060	0,042	25
GC	62031060	0,044	25
CU	82003262	0,041	25
BK8	62081060	0,044	25
316L	62061060	0,042	25

ETIM: EC000022



Suspensión Lateral

Suspension Hanger

Suspension latérale

Suspensão lateral



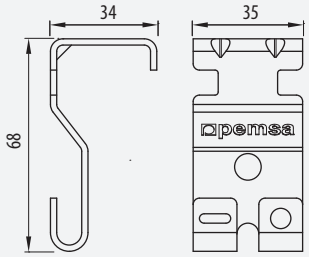


CE CLICK

35-100 • 60-600

	Ref	kg/u	
EZ	62016021	0,057	18
PG	81000019		
BC	81000020	0,057	18
HDG	81000021	0,057	18
CU	81003263	0,057	18
C8	81000022	0,057	18

ETIM: EC000022

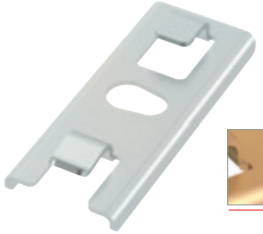


Suspensión Central Click

Click Central Suspension

Suspension Central Click

Suspensão Central Click



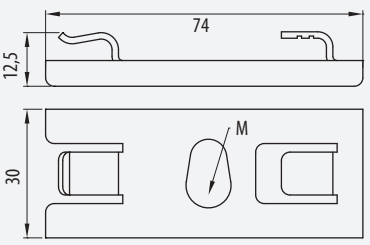


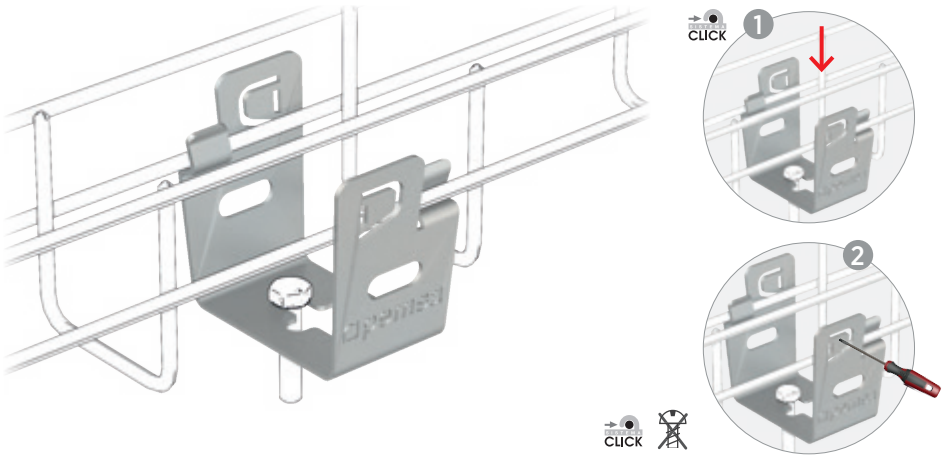
CE CLICK

• 35-60-100 • 100-150-200

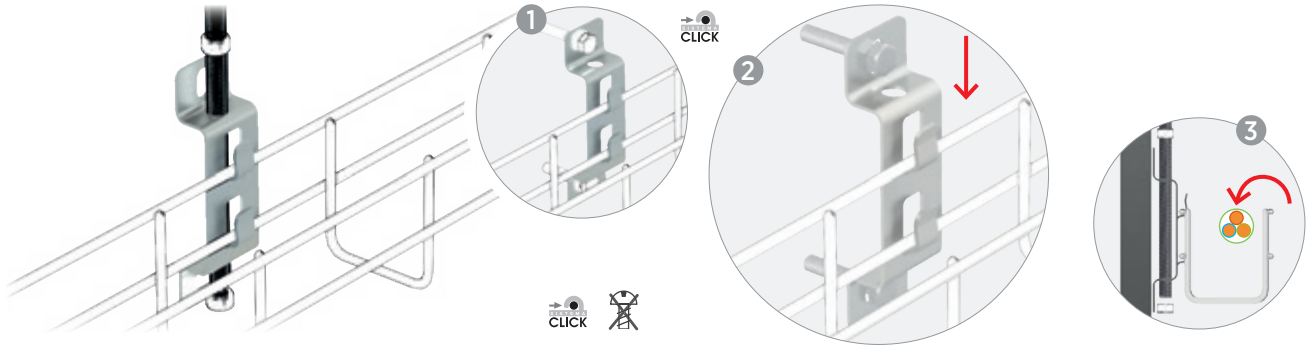
	M	Ref	kg/u	
EZ	M6	67010143	0,046	20
	M8/M10	67010043	0,045	20
BC	M6	67020143	0,046	20
	M8/M10	67020043	0,045	20
GC	M6	67030143	0,048	20
	M8/M10	67030043	0,048	20
BK8	M6	67080143	0,046	20
	M8/M10	67080043	0,045	20
316L	M6	67060143	0,045	20
	M8/M10	67060043	0,045	20

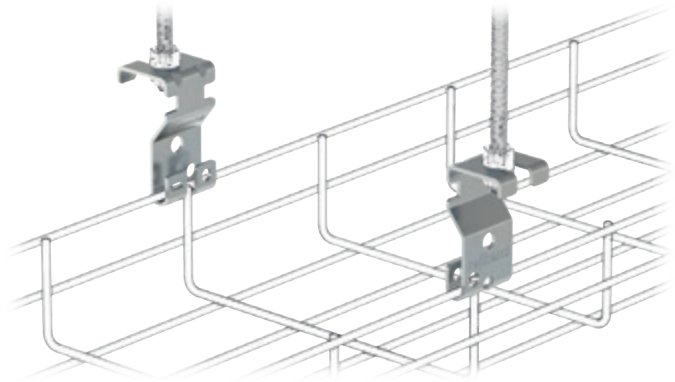
ETIM: EC001003





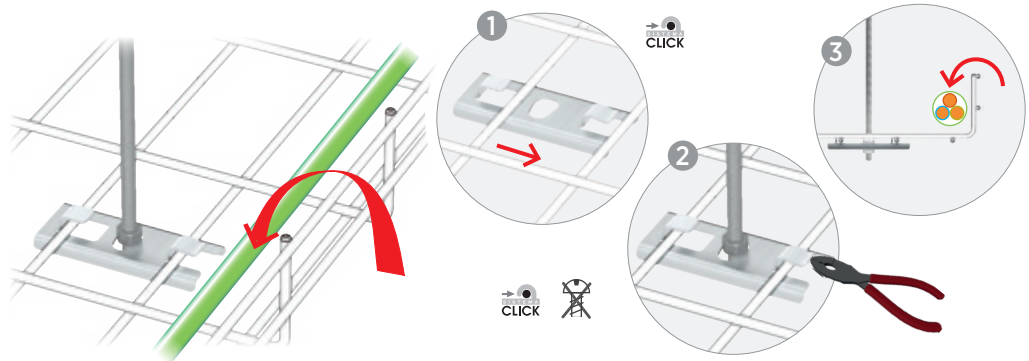
Soporte adecuado para:
Adequate support for:
Support adéquate pour:
Suporte adequado para:
rejiband® 35x60 y 60x60





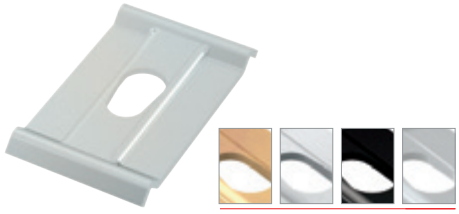
4-24 (100-600)	2

044



x 1 044
x 2 221
x 1 194

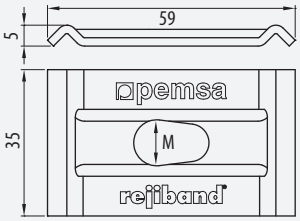
Suspensión Central
Central Hanging Plate
Suspension Central
Suspensão Central



• 35-60-100 • 100-150-200

S	M	Ref	kg/u	
EZ	M6	67010144	0,033	20
	M8/M10	67010046	0,033	20
BC	M8/M10	67020046	0,030	20
GC	M6	67030144	0,032	20
	M8/M10	67030046	0,032	20
BK8	M8/M10	67080046	0,030	20
316L	M8/M10	67060046	0,031	20

ETIM: EC001003



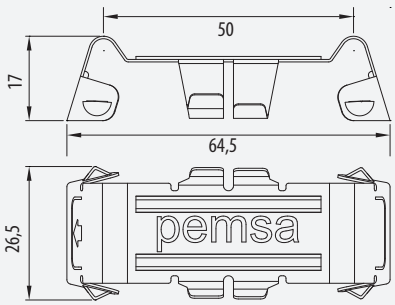
Clip Fijación Rail
Strut Clip
Fixation Rapide Click Rail
Clip Fixação Perfil



• 35-60-100-150 • 100-600

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

ETIM: EC000483



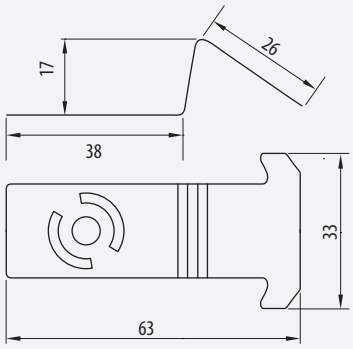
Clip Fijación Rail
Strut Clip
Fixation Rapide Click Rail
Clip Fixação Perfil



• 35-60-100-150 • 100-600

S	Ref	kg/u	
GC	67030049	0,016	50

ETIM: EC000483

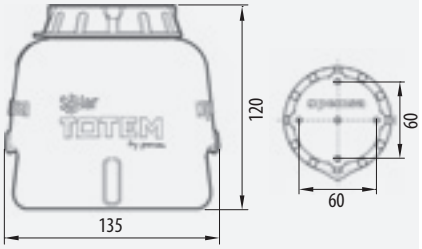


Solar Totem
Solar Totem
Solar Totem
Solar Totem



• 35-60-100-150 • 100-600

F	Ref	kg/u	
9005	82003450	0,161	4



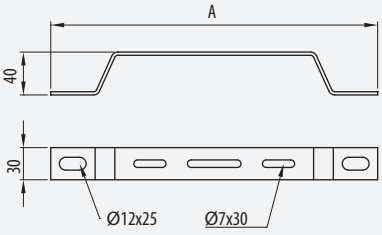
Distanciador
Stand off Bracket
Séparateur support vertical murale
Distanciador

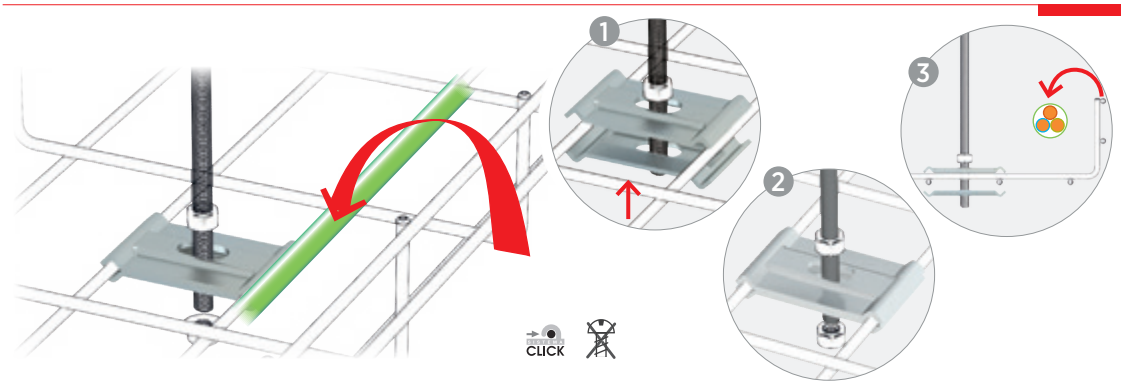


• 35-60-100-150 • 60-600

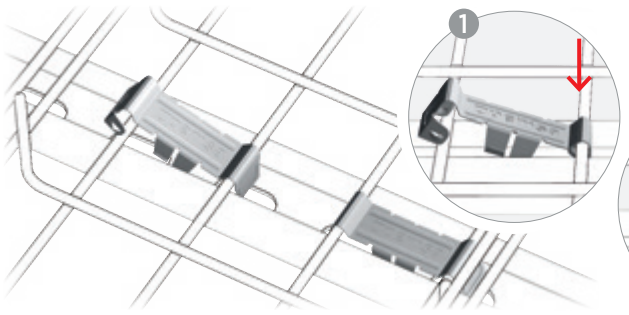
S	A	Ref	kg/u	
PG	180	67030539	0,172	10
	350	67030540	0,321	10
GC	180	67030541	0,242	10
	350	67030542	0,351	10
316L	180	67060541	0,132	10
	350	67060542	0,214	10

ETIM: EC000022





x 2 046
x 2 221
x 1 194

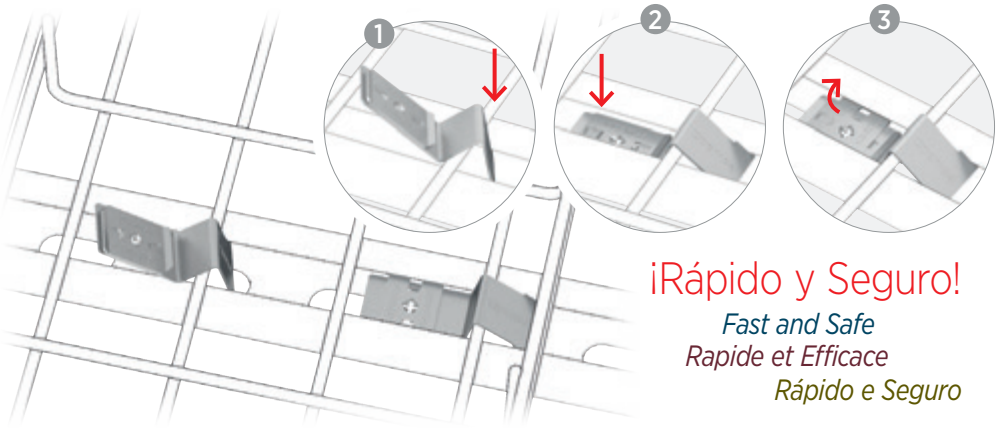


¡Rápido y Seguro!

Fast and Safe
Rapide et Efficace
Rápido e Seguro

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

Compatible con cualquier modelo
Compatible with any brand
Compatible tous modèles
Compatível com qualquer modelo



¡Rápido y Seguro!

Fast and Safe
Rapide et Efficace
Rápido e Seguro

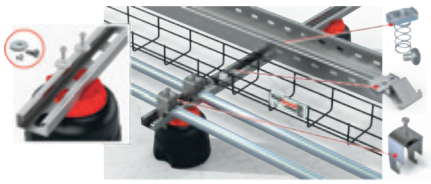
100 - 300	1
400 - 600	2

046

Montaje Rail 41x41 y 41x21
Assembly on strut 41x41 and 41x21
Montage Rail 41x41 e 41x21
Montagem em Perfil 41x41 e 41x21

Compatible con cualquier medida excepto 60x60
Compatible with any measure except 60x60
Compatible toute mesure à l'exception 60x60
Compatível com qualquer medida excepto 60x60



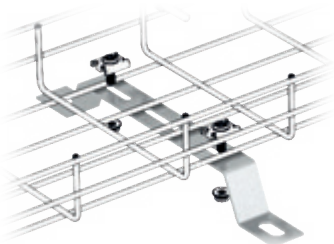




Aplicaciones: • Suelos técnicos • Instalaciones Comunicaciones • Salas de Instalaciones







Applications:
- *Technical floors*
- *Telecoms*
- *Technical rooms*

Applications:
- *Sols Tcheniques*
- *Installations & Communications*
- *Sales des Installations*

Aplicações:
- *Pisos técnicos*
- *Instalações de Comunicações*
- *Salas técnicas*

Distanciador Click

Stand off Bracket Click

Fixation Rehausse Click

Distanciador Click



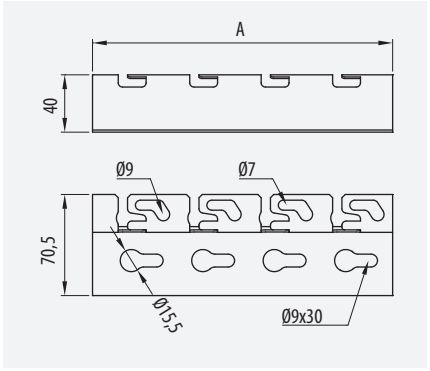


CE CLICK

• 35-60-100-150 • 100-600

	A	Ref	kg/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

ETIM: EC000022

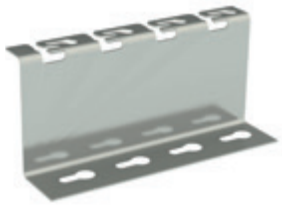


Distanciador Click 100

Stand off Bracket Click 100

Fixation Rehausse Click 100

Distanciador Click 100



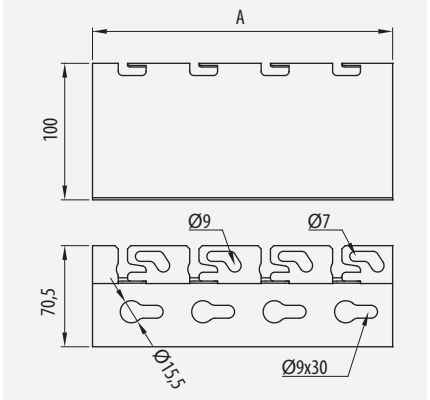


CE CLICK

• 35-60-100-150 • 100-300

	A	Ref	kg/u	
316L	100	67060560	0,191	10
	200	67060562	0,369	10
	300	67060564	0,546	10

ETIM: EC000022



Pie

Floor Foot

Pied

Pé de Fixação

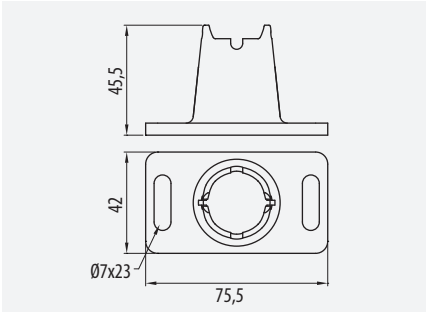


CE CLICK

• 35-60-100-150 • 60-600

Ref	kg/u	
68000060	0,022	100

ETIM: EC000022



Pie Metal

Metal Foot

Pied Métallique

Pé Metálico



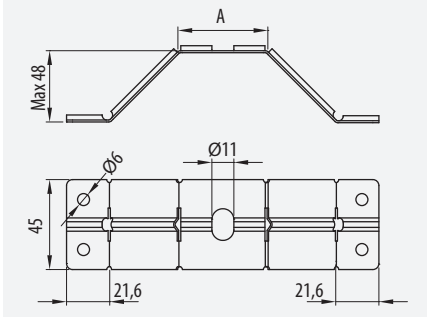


CE

• 35-60-100-150 • 60-600

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

ETIM: EC000022



Adhesivo Pie

Adhesive & Hardener

Adhésif pied A+B

Cola para pé de fixação



• 35-60-100-150 • 60-600

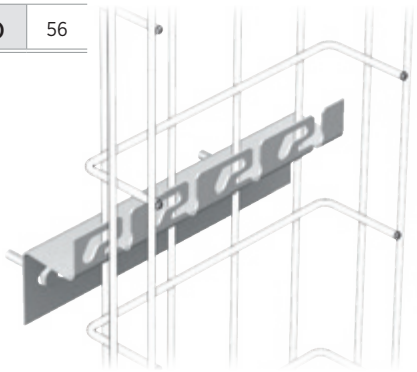
Ref	kg/u	
68000066	0,022	100

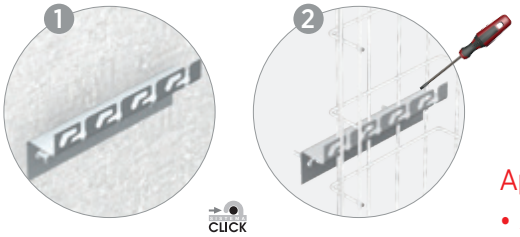
ETIM: EC000022



A+B
4 + 4 kg

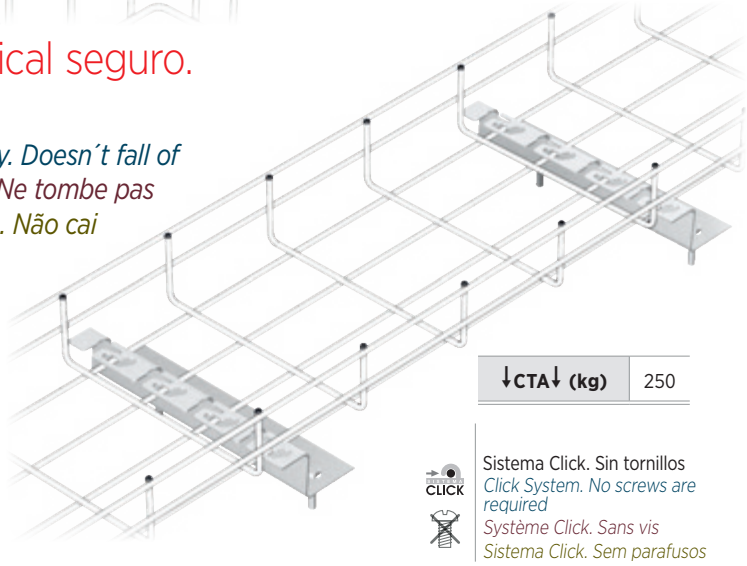
↓CTA↓ (kg)	56





Premontaje vertical seguro. No se cae

Safe vertical pre-assembly. Doesn´t fall of
Montage vertical sûr. Ne tombe pas
Montagem vertical segura. Não cai



↓CTA↓ (kg)	250

CLICK

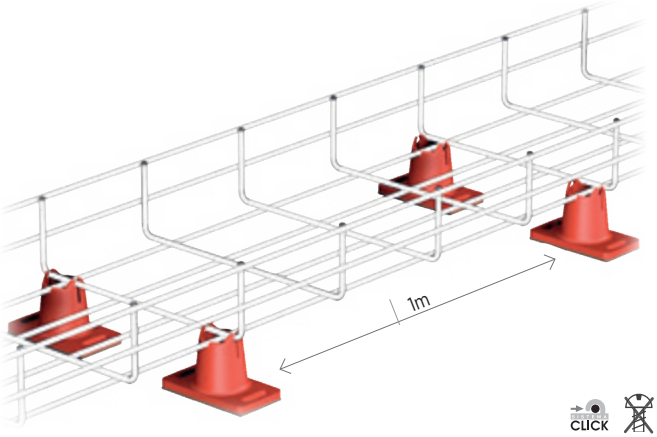
Sistema Click. Sin tornillos
Click System. No screws are required
Système Click. Sans vis
Sistema Click. Sem parafusos

Aplicaciones:
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- Instalaciones Comunicaciones
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Applications:
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Aplicações:
- *Pisos técnicos*
- *Instalações de Comunicações*
- *Salas técnicas*





ref. 68000066

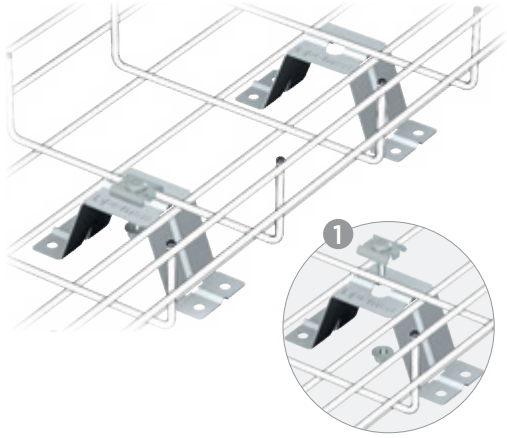
Adhesivo Pie
Adhesive & hardener
Pieds plastique
Cola para Pé

¡Fácil, económico!

Easy, Economical
Facile & Economique
Fácil, Económico

Rápida Instalación

Quick Assembly
Installation Rapide
Rápida Instalação



Aplicaciones:
- Suelos técnicos
- Instalaciones Comunicaciones
- Salas de Instalaciones

Applications:
- *Technical floors*
- *Telecoms*
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Applications:
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- *Sales des Installations*

Aplicações:
- *Pisos técnicos*
- *Instalações de Comunicações*
- *Salas técnicas*

pemsa

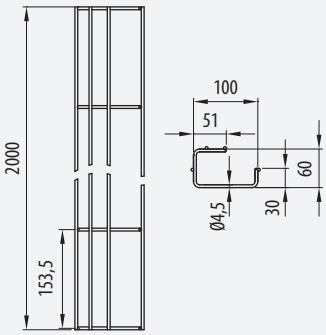
rejitech® Falsos Techos
rejitech® *False Ceiling Tray*
Faux Plafonds rejitech®
rejitech® *Falsos Tectos*





S	A	⇔	Ref	kg/m	
EZ	60	100	60215020	0,671	16
BC	60	100	60225020	0,671	16

ETIM: EC000853



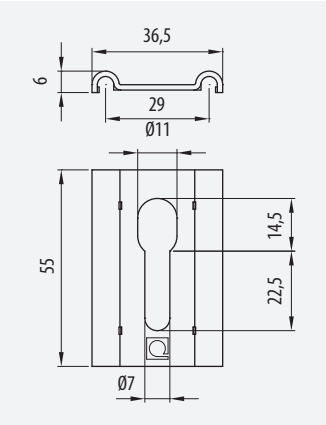
Fijación rejitech®
rejitech® *Ceiling Fastener*
Fixation Plafond rejitech®
Fixação rejitech®





S	Ref	kg/m	
EZ	67010052	0,029	25
BC	67020052	0,029	25

ETIM: EC000482

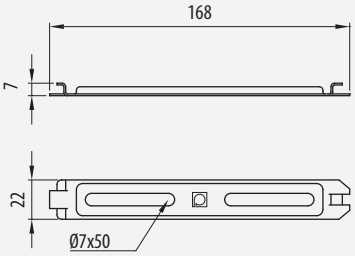


Soporte Caja rejitech®
rejitech® *Box Support*
Support Boitier rejitech®
Suporte Caixa rejitech®

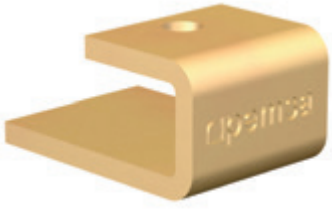


S	Ref	kg/m	
BC	67020041	0,024	10

ETIM: EC000482



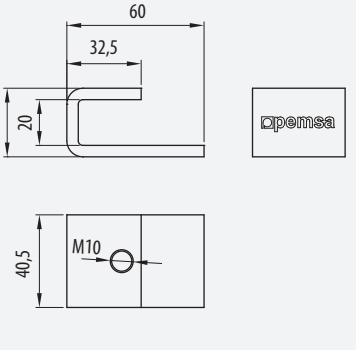
Fijación Angular
Angle Tray Fastener
Etrier d'angle
Fixação Angular

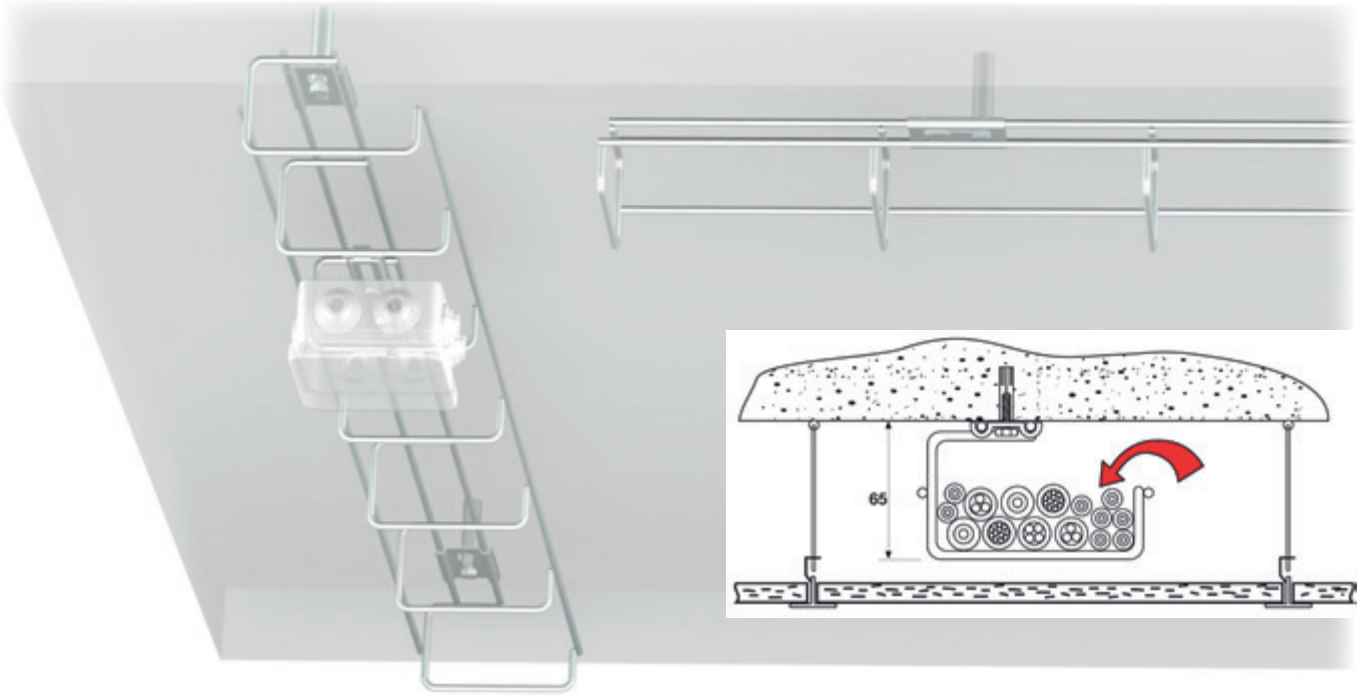




S	Ref	kg/m	
EZ	67010051	0,177	10
BC	67020051	0,177	10

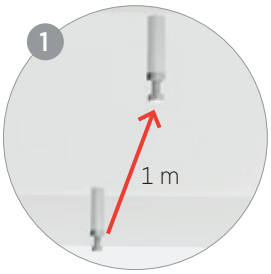
ETIM: EC000482





¡Fácil Instalación!

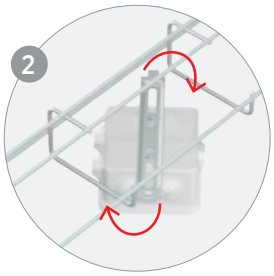
Easy installation
Installation facile
Fácil instalação







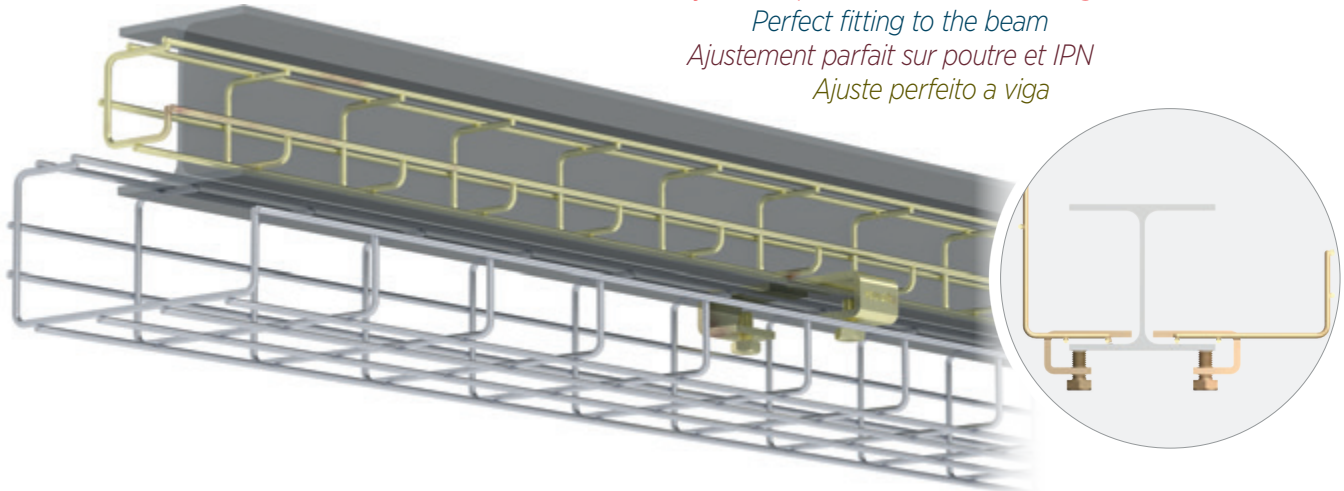






¡Ajuste perfecto a la viga!

Perfect fitting to the beam
Ajustement parfait sur poutre et IPN
Ajuste perfeito a viga



pemsa

rejitech® G+

60 100 150 200

Falsos Techos y Espacios Reducidos

False Ceiling and Reduced Spaces

Faux Plafonds et Espaces Confinés

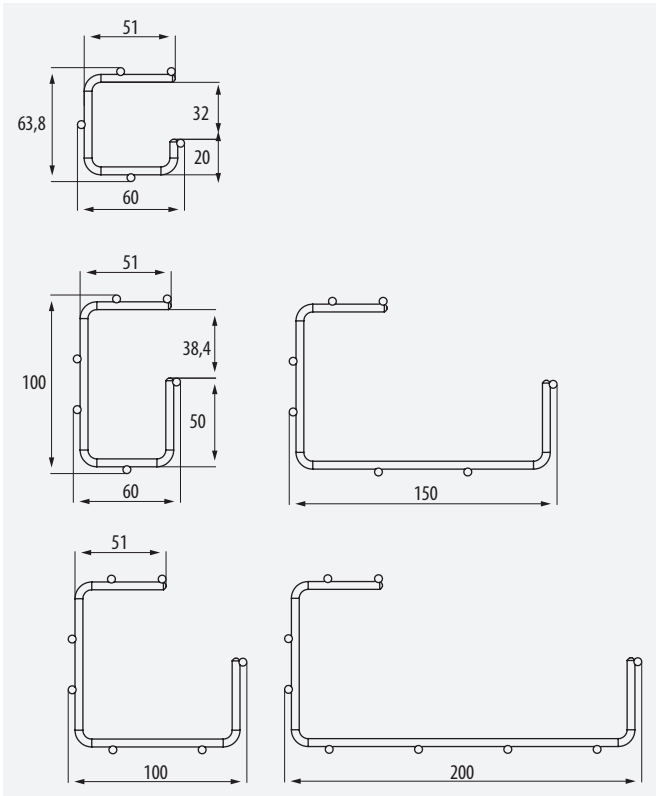
Falsos Tectos e Espaços Reducidos

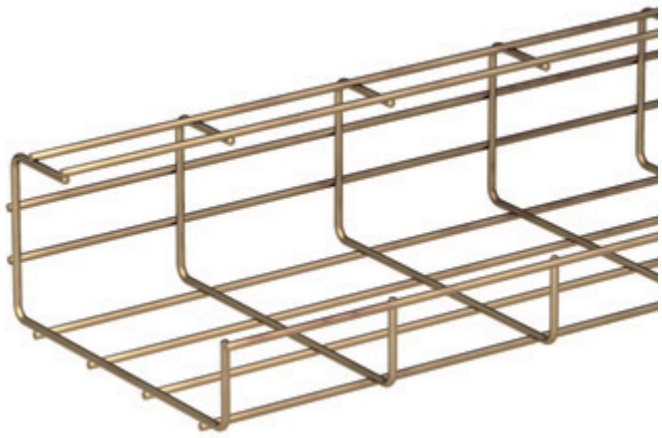
60, 100 • 60-200 • 3000

ETIM: EC000853



		EZ	BC	CU	BK8	kg/m		BK8
60	60	60613206	60623206	82003264	60683206	0,714	24	16
100	60	60613306	60623306	82003265	60683306	0,896	24	16
	100	60613310	60623310	82003266	60683310	1,049	12	8
	150	60613315	60623315	82003267	60683315	1,104	6	4
	200	60613320	60623320	82003268	60683320	1,376	6	4







Fijación rejitech®

Ceiling Fastener **rejitech®**

Fixation Plafond **rejitech®**

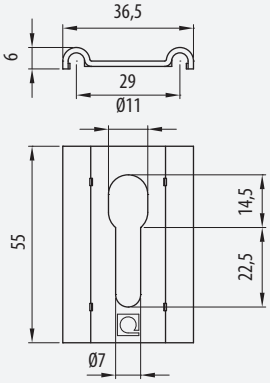
Fixação **rejitech®**





	Ref	kg/u	
EZ	67010052	0,029	25
BC	67020052	0,029	25
GC	67030252	0,029	25
CU	82003269	0,026	25
BK8	67080252	0,029	25

ETIM: EC000482



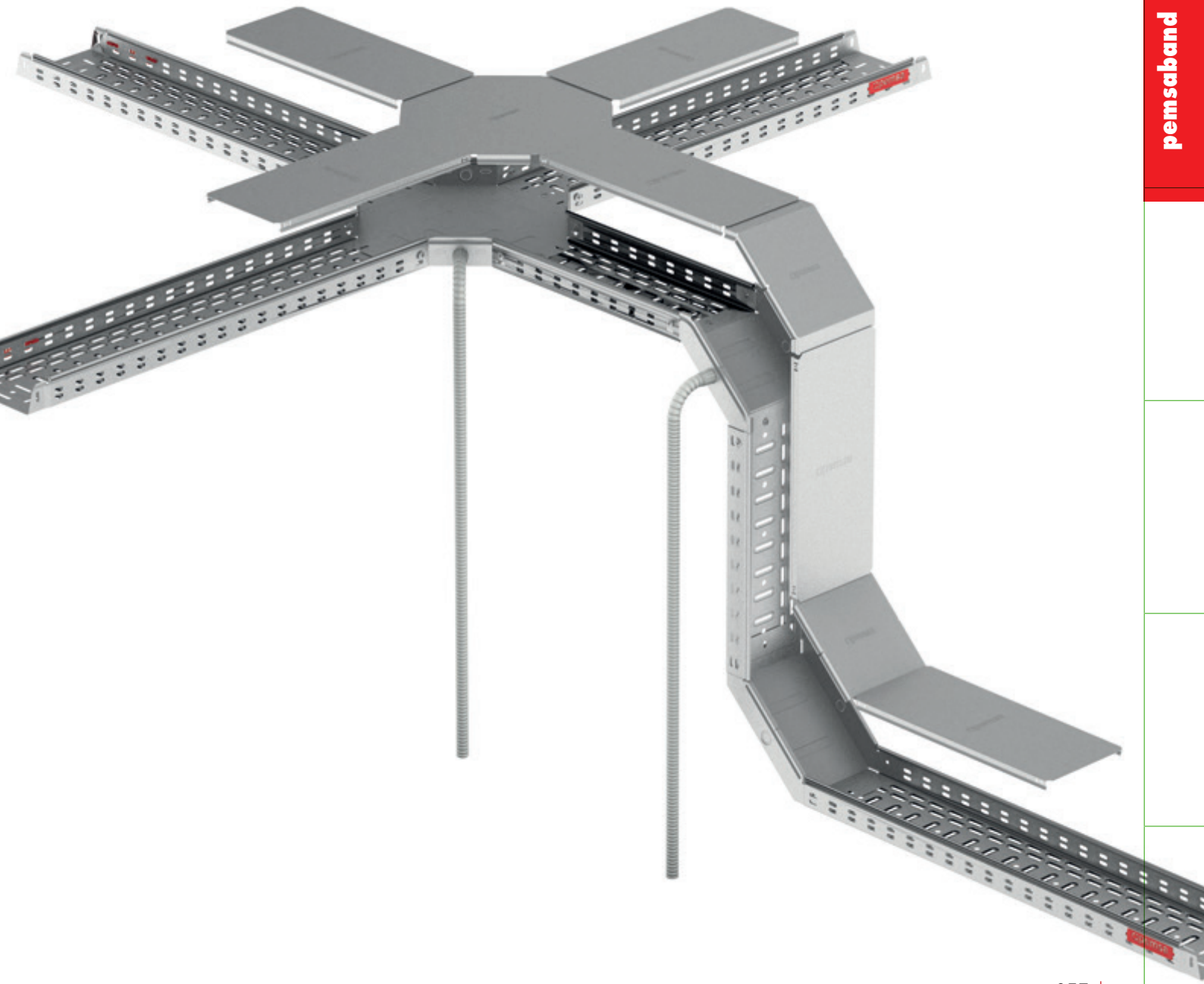
pemsaband®

Bandejas de chapa perforada y ciega

Perforated and solid cable trays

Dalle de chemin de câble métallique, perforée et emboutie & pleine

Calhas de chapa perfurada e não perfurada



pemsa

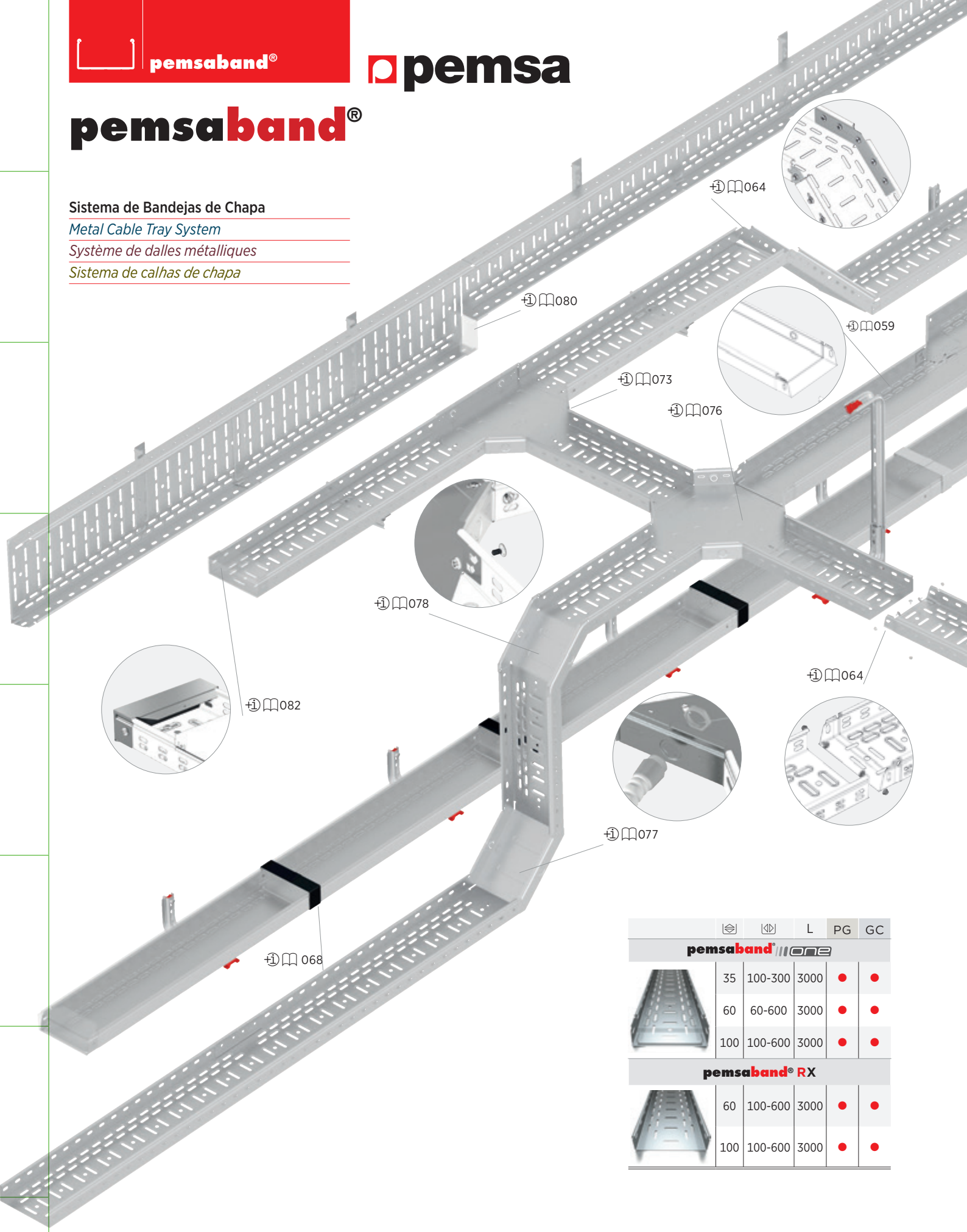
pemsaband®

Sistema de Bandejas de Chapa

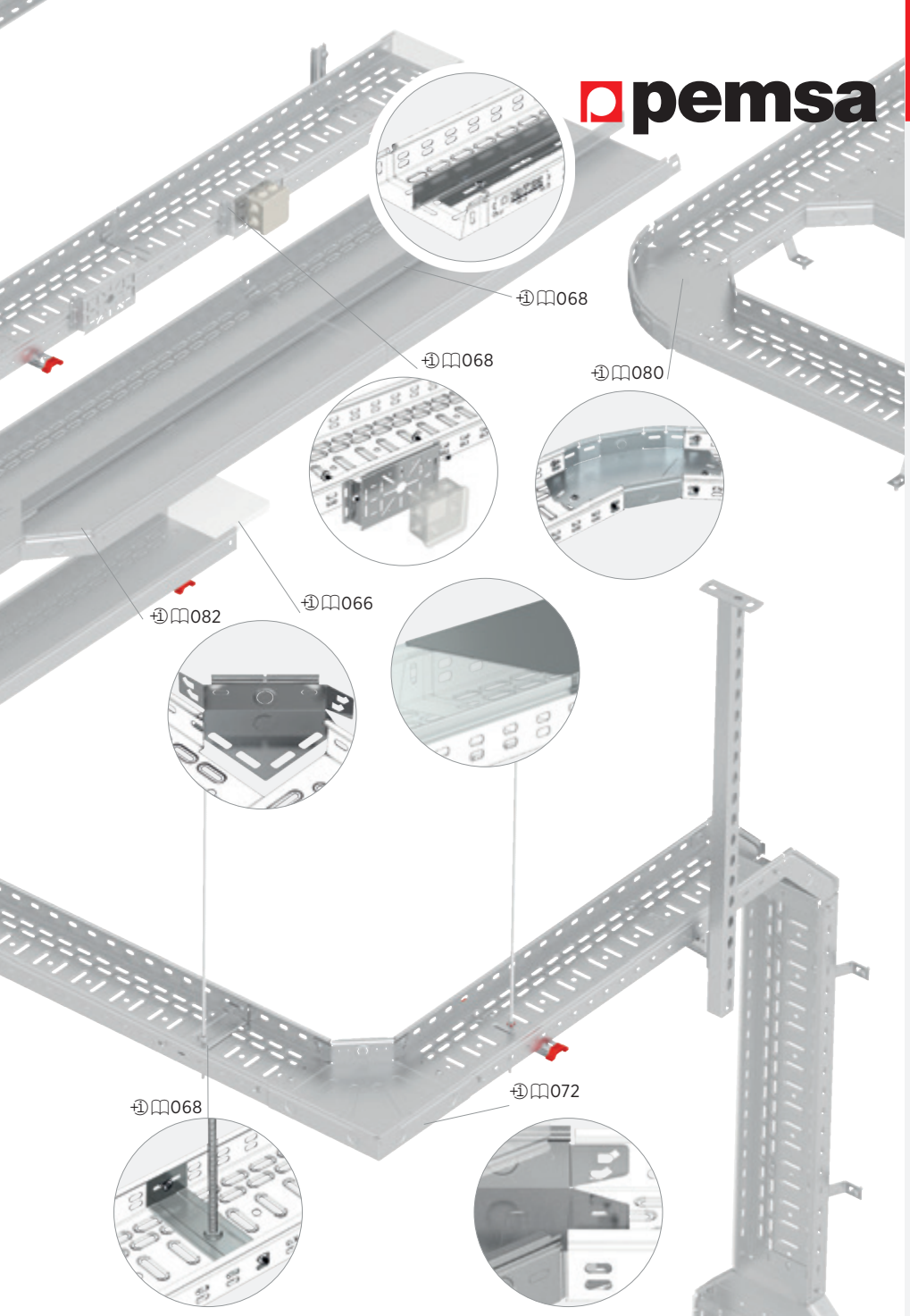
Metal Cable Tray System

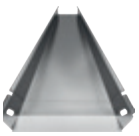
Système de dalles métalliques

Sistema de calhas de chapa



			L	PG	GC
pemsaband one					
	35	100-300	3000	●	●
	60	60-600	3000	●	●
	100	100-600	3000	●	●
pemsaband® RX					
	60	100-600	3000	●	●
	100	100-600	3000	●	●



		L	PG	GC	304	316L
pemsaband one Solid						
	35	100-300	3000	●	●		
	60	60-600	3000	●	●	●	●
	100	100-600	3000	●	●		

Normas Internacionales:
International Standards:
Normes internationales:
Normas Internacionais:

IEC 61537
Norma internacional de Bandejas
International standard of Cable trays
Normes international dalles
Norma internacional de Calhas

Certificado UL
UL Certified
Certificat UL

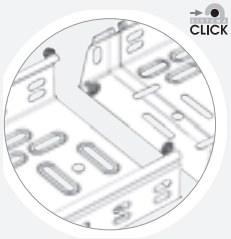
E90 resistencia al fuego
Resistencia al fuego
DIN 4102-12 Fire Resistance
Résistance au feu
Resistência ao fogo

AENOR
Marcado N AENOR IEC 61537
AENOR N Mark IEC 61537
Marca N AENOR IEC 61537
Marca N AENOR IEC 61537

RoHS II
RoHS 2002/95/CE
WEEE 2012/19/UE

AENOR IQNet
IQNET ISO 9001

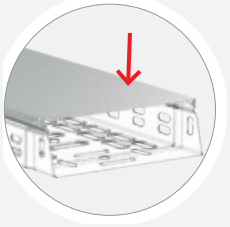
PATENTADO
Producto patentado
Patented product
Produit breveté
Produto patenteado



Sistema Click
Click System
Système Click
Sistema Click



Sistema Universal en Accesorios
Universal System of Accessories
Accesoires Système universel
Sistema Universal de Acessórios



Tapa Sistema Click
Click System on Cover
Couvercle Système Click
Tampa Sistema Click



pemsaband® one

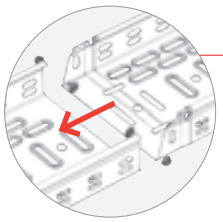
Bandejas de chapa perforada y ciega para cables

Perforated and solid cable trays

Dalles de chemins de câbles métalliques perforée et emboutie

Caminho de cabos em chapa perfurada e não perfurada

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



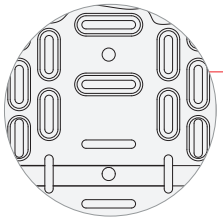
Sistema Click de unión rápida
Quick Click Joint System
Système Click éclisse rapide
Sistema Click de união rápida

CLICK

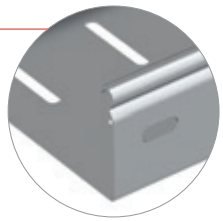
PG	GC	AZ+	PT	304	316L

Amplia gama de sistemas de protección
Wide range of protection systems
Large gamme de systèmes de protection
Ampla gama de sistemas de proteção

Base perforada y embutida incrementan la capacidad de carga
Perforated and embossed base increases the load capacity
Base perforée et emboutie, augmentent la capacité de charge
Base perfurada e embutida aumenta a capacidade de carga



Borde de seguridad.
Protege y fortalece la bandeja
Safety edge. Protects and strengthens the cable tray
Bord de sécurité.
Il protège et fortifie la dalle
Bordo de segurança.
Protege e fortalece a calha





Accesorios con
Sistema Click Universal.
Válido para todas las bandejas
Universal Click System on Accessories. Compatible with all cable trays
Accesoires Système Click Universel. Adaptable pour toutes les dalles
Accesorios com Sistema Click Universal. Compatível com todas as calhas





Terciario Construcción
Building Tertiary
Édification Tertiaire
Edificação Terciária



Energías Renovables
Renewables Energies
Énergies Renouvelables
Energias Renováveis



Túneles Infraestructuras
Tunnels Infrastructures
Tunnels Infrastructures
Túneis Infraestruturas



Básica de Transformación
Processing Industry
I. de Transformation
I. de Processamento



Centrales de Energía
Energy Power Stations
Centrales d'énergie
Plantas de Energia



Tratamiento de Agua
Water Treatment
Traitement de l'eau
Tratamento de água

NovedadesNewsNouveautésNovidades NEW

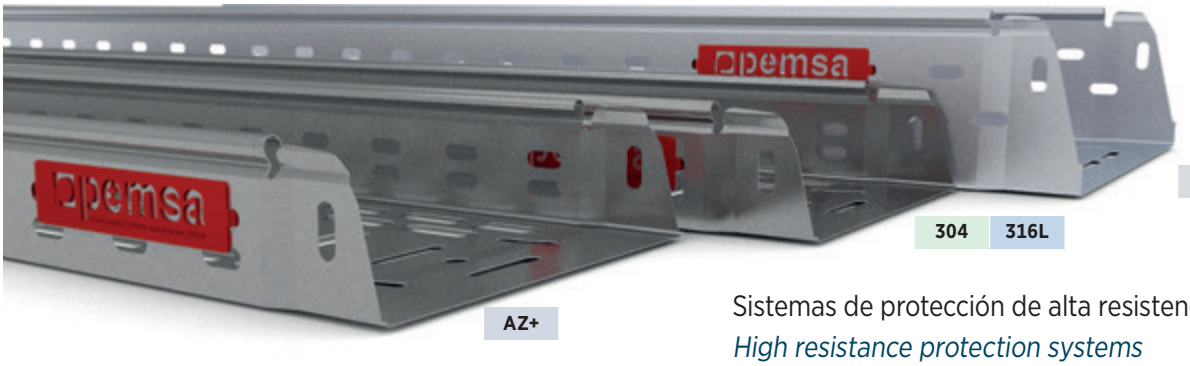
Sistema Click de unión rápida disponible en ala 100

Quick Click Joint System available in 100 mm height

Système Click éclisse rapide disponible en 100 mm de hauteur

Sistema Click de união rápida disponível em 100 mm de altura





GC

304 316L

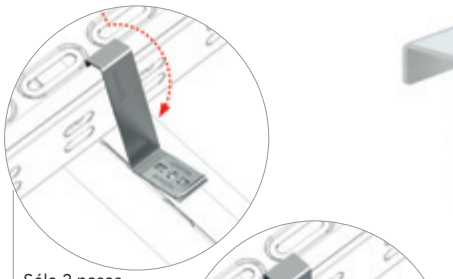
AZ+

Sistemas de protección de alta resistencia

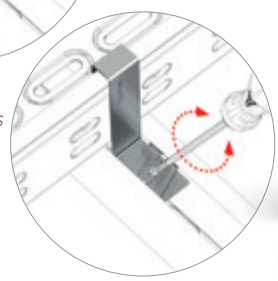
High resistance protection systems

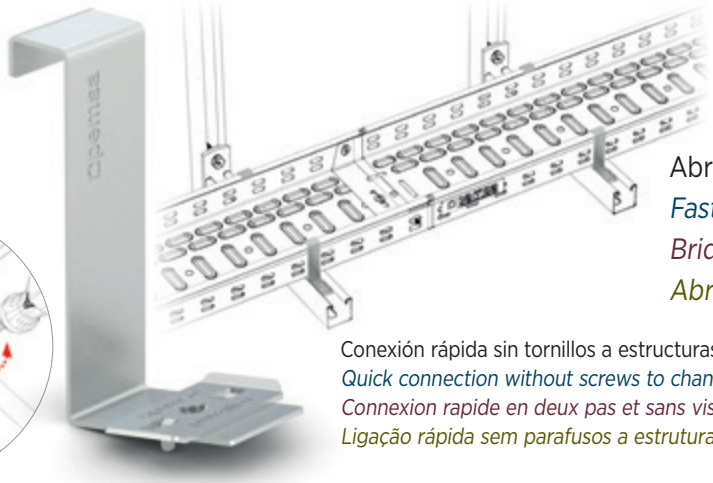
Systèmes de protection à haute résistance

Sistemas de protecção de alta resistência



Sólo 2 pasos
Only 2 steps
Seulement 2 étapes
Apenas 2 passos





Abrazadera Rail Rápida

Fast Hold Down Bracket

Bride pour Rail Rapide

Abraçadeira Rail Rapida

Conexión rápida sin tornillos a estructuras de railes

Quick connection without screws to channel and strut

Connexion rapide en deux pas et sans vis sur des rail

Ligação rápida sem parafusos a estruturas de perfis

070

PT Pintura Polyester

Polyester coating

Finition Polyester

Pintura Polyester

Servicio de pintura bajo petición, otros colores RAL consultar.

Paint service on request, other RAL colors on demand.

Service de peinture sur demande, consultez les autres couleurs RAL.

Serviço de pintura a pedido, outras cores RAL sob demanda



RAL 9005	RAL 9010	RAL 7035	RAL 3024	RAL 1021	RAL 5012	RAL 2003

pemsaband®

pemsa

pemsaband® one



Bandeja de Chapa Perforada Click

Perforated Click System Cable Tray

Dalle de Chemin de Câble Perforée Click

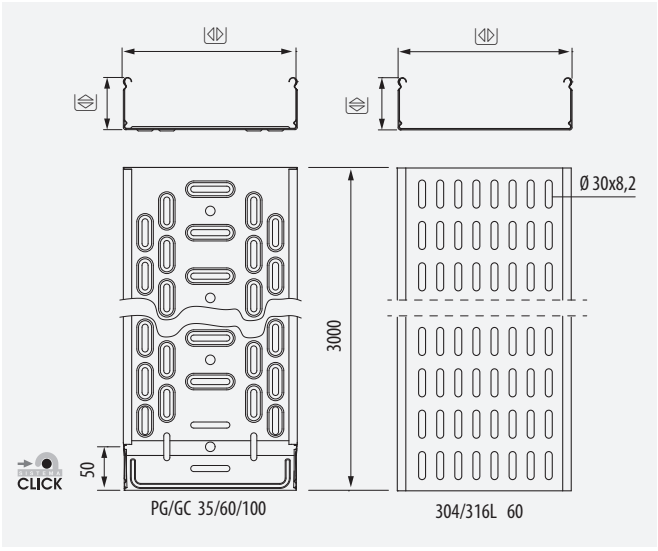
Caminho de Cabos Perfurado Click

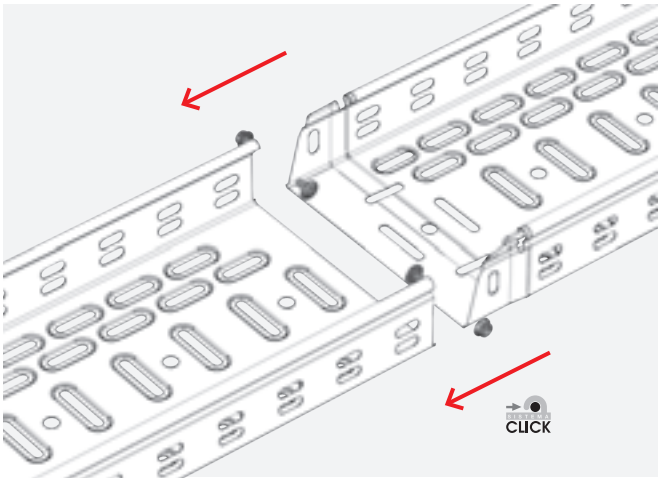
35, 60, 100 • 100-600 • 3000

ETIM: EC000047

		PG	GC	AZ+	304*	316L*	kg/m PG	kg/m GC	kg/m AZ+	kg/m 304/316L	
35	100	75821100	75831100	-	-	-	0,691	0,867	-	-	24
	150	75821150	75831150	-	-	-	0,862	1,081	-	-	12
	200	75821200	75831200	-	-	-	1,241	1,507	-	-	12
	300	75821300	75831300	-	-	-	1,928	2,020	-	-	12
60	60	75822060	75832060	82003744			0,730	0,910	0,867		24
	100	75822100	75832100	82003745	76452100	76462100	0,885	1,109	1,050	0,906	24
	150	75822150	75832150	82003746	76452150	76462150	1,267	1,535	1,260	1,076	12
	200	75822200	75832200	82003747	76452200	76462200	1,473	1,789	1,470	1,235	12
	300	75822300	75832300	82003748	76452300	76462300	2,199	2,599	2,500	1,911	6
	400	75822400	75832400	82003749	76452400	76462400	2,691	3,197	3,070	2,335	6
	500	75822500	75832500	82003750	76452500	76462500	3,666	4,263	3,670	3,244	6
	600	75822600	75832600	82003751	76452600	76462600	4,223	4,914	4,230	3,734	6
100	100	75224100	75234100	-	-	-	1,416	1,739	-	-	12
	200	75224200	75234200	-	-	-	2,122	2,517	-	-	6
	300	75224300	75234300	-	-	-	2,612	3,098	-	-	6
	400	75224400	75234400	-	-	-	3,576	4,104	-	-	6
	500	75224500	75234500	-	-	-	4,118	4,790	-	-	6
	600	75224600	75234600	-	-	-	4,669	5,431	-	-	6
35-60-100		67010093	67030093	67030093	93950002	93960002	+ 064			+ 064	

* Sistema Click de unión rápida no disponible / *Quick Click Joint System not available* / *Système Click éclisse rapide non disponible* / *Sistema Click de união rápida não disponível*







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Bandeja de Chapa Ciega Click

Metal Solid Click Cable Tray

Dalle de Chemin de Câble Pleine Click

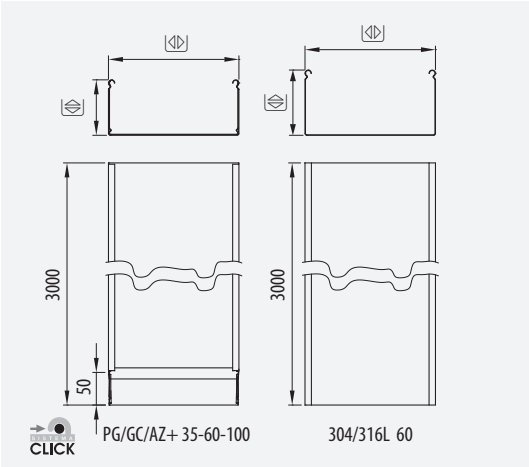
Caminho de Cabos Não Perfurado Click

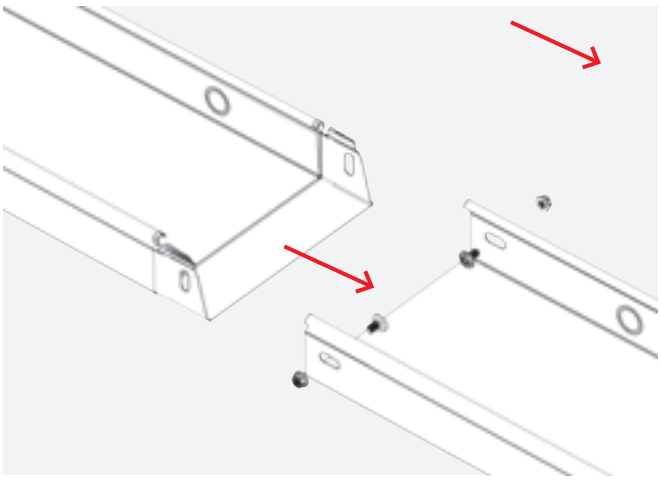
35, 60, 100 • 60-600 • 3000

ETIM: EC000047

		PG	GC	AZ+	304*	316L*	kg/m PG	kg/m GC	kg/m AZ+	kg/m 304/316L	
35	100	75121100	75131100	-	-	-	0,702	0,885	-	-	24
	150	75121150	75131150	-	-	-	0,874	1,101	-	-	12
	200	75121200	75131200	-	-	-	1,262	1,536	-	-	12
	300	75121300	75131300	-	-	-	1,690	2,058	-	-	12
60	60	75122060	75132060	82003752			0,789	0,993	0,937		24
	100	75122100	75132100	82003753	76552100	76562100	0,901	1,135	1,120	0,949	24
	150	75122150	75132150	82003754	76552150	76562150	1,287	1,565	1,390	1,147	12
	200	75122200	75132200	82003755	76552200	76562200	1,500	1,826	1,620	1,345	12
	300	75122300	75132300	82003756	76552300	76562300	2,233	2,649	2,770	2,093	6
	400	75122400	75132400	82003757	76552400	76562400	2,741	3,252	3,400	2,572	6
	500	75122500	75132500	82003758	76552500	76562500	3,727	4,334	4,030	3,550	6
	600	75122600	75132600	82003759	76552600	76562600	4,635	5,391	4,670	4,116	6
100	100	75424100	75434100	-	-	-	1,504	1,828	-	-	12
	200	75424200	75434200	-	-	-	2,294	2,716	-	-	6
	300	75424300	75434300	-	-	-	2,843	3,366	-	-	6
	400	75424400	75434400	-	-	-	3,877	4,502	-	-	6
	500	75424500	75434500	-	-	-	4,505	5,231	-	-	6
	600	75424600	75434600	-	-	-	5,133	5,960	-	-	6
35-60-100		67010093	67030093	67030093	93950002	93960002	+ 064			+ 064	

* Sistema Click de unión rápida no disponible / *Quick Click Joint System not available* / *Système Click éclisse rapide non disponible* / *Sistema Click de união rápida não disponível*





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RX

Bandeja de Chapa Reforzada

Reinforced Perforated Cable Tray

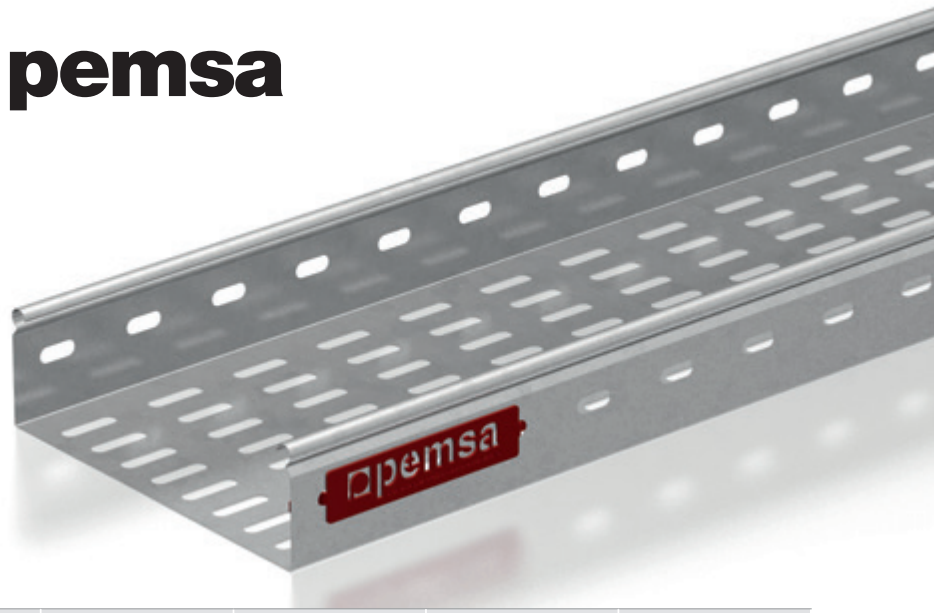
Dalle de chemin de câble renforcée

Caminho de cabos em chapa reforçada

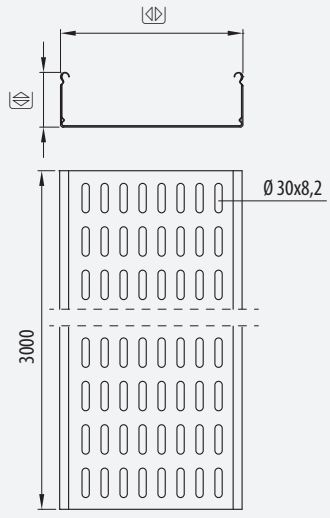
60, 85, 100 • 100-600 • 3000

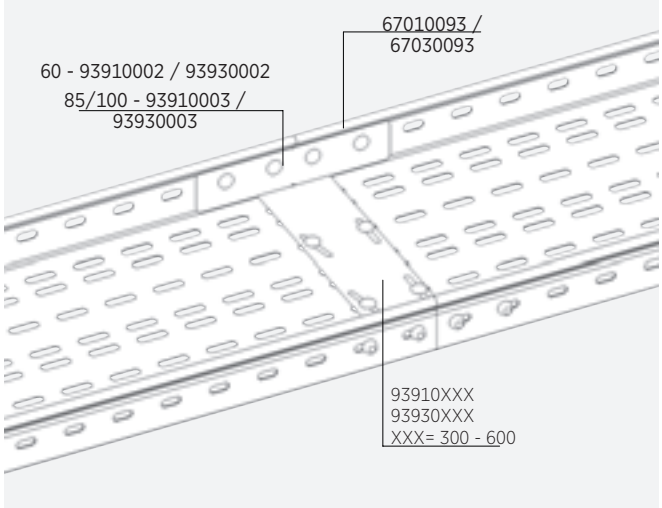
CE E90 IEC 61537

ETIM: EC000047



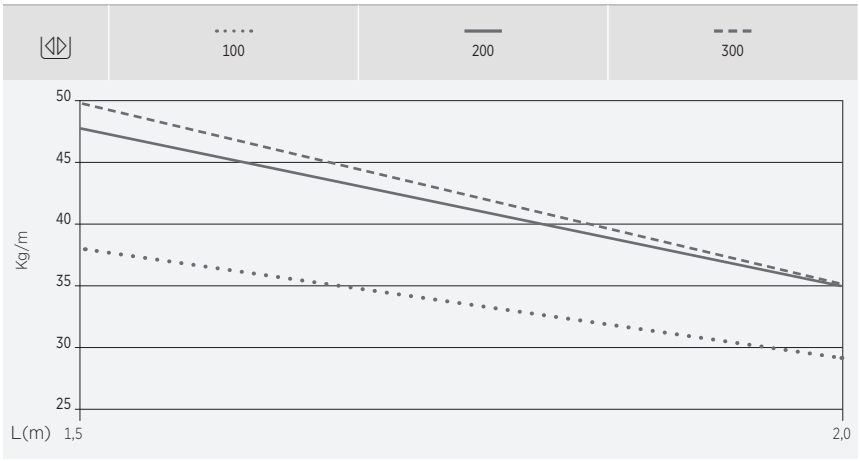
		PG	GC	kg/m PG	kg/m GC	
60	100	76122100	76132100	2,622	2,852	6
	200	76122200	76132200	3,538	3,857	6
	300	76122300	76132300	4,646	5,057	6
	400	76122400	76132400	5,690	6,193	6
	500	76122500	76132500	6,787	7,395	6
	600	76122600	76132600	7,889	8,589	6
100	100	76124100	76134100	3,490	3,796	6
	200	76124200	76134200	4,485	4,881	6
	300	76124300	76134300	5,519	6,007	6
	400	76124400	76134400	6,564	7,143	6
	500	76124500	76134500	7,644	8,328	6
	600	76124600	76134600	8,831	9,607	6
60	100-600	93910002 + 67010093	93930002 + 67030093	-	+ 064	
100	100-600	93910003 + 67010093	93930003 + 67030093	-		
60--100	300-600	93910XXX + 67010093	93930XXX + 67030093	-	+ 064	



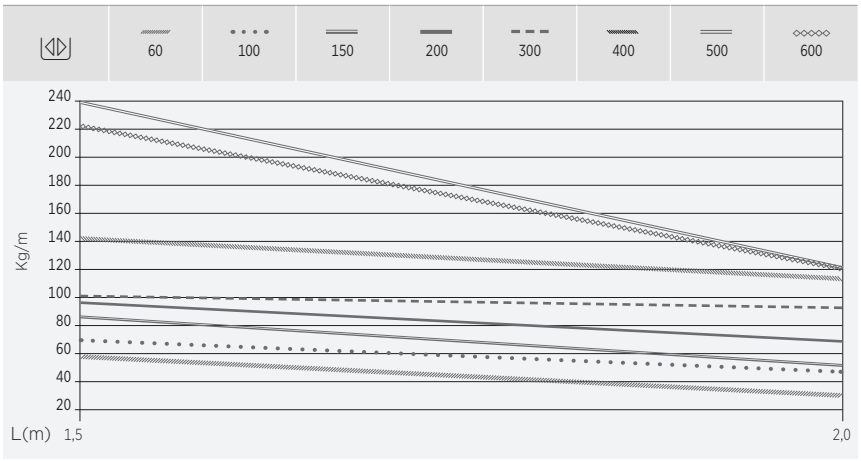


Datos técnicos
Technical data
Données techniques
Dados técnicos

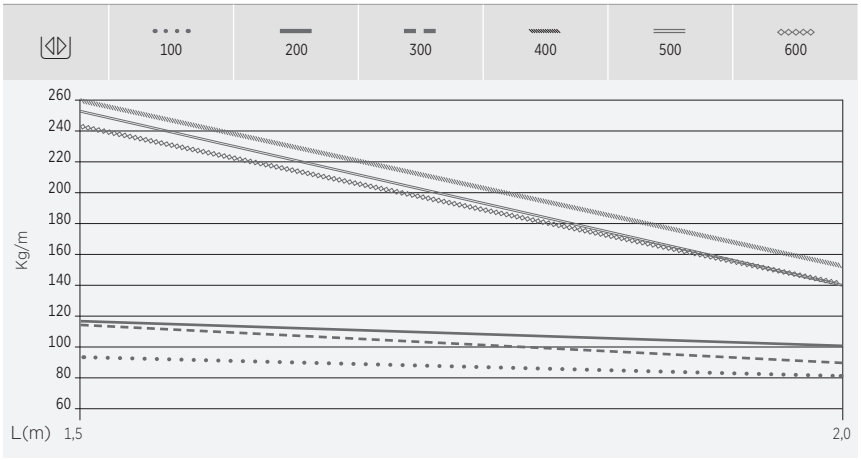
mm	mm	mm²
35	100	3.122
	150	4.822
	200	6.522
	300	9.922
	400	13.322



mm	mm	mm²
60	60	3.122
	100	5.572
	150	8.522
	200	11.472
	300	17.372
	400	23.272
	500	29.172
	600	35.072



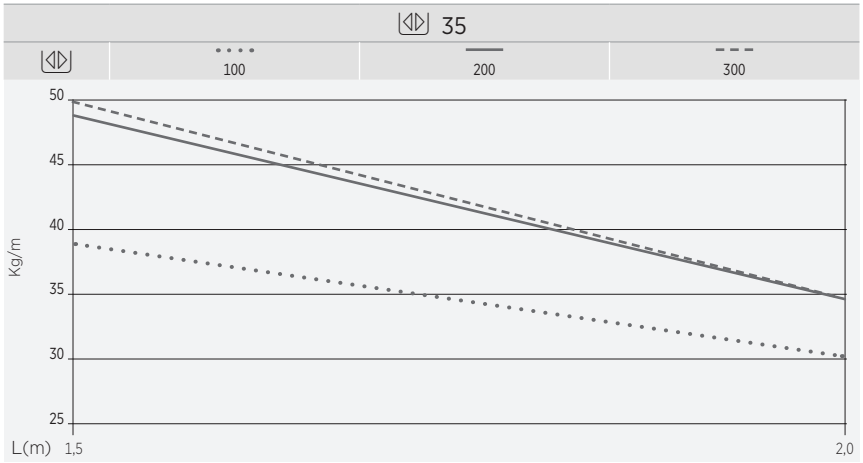
mm	mm	mm²
100	100	9.492
	200	19.392
	300	29.292
	400	39.192
	500	49.092
	600	58.992



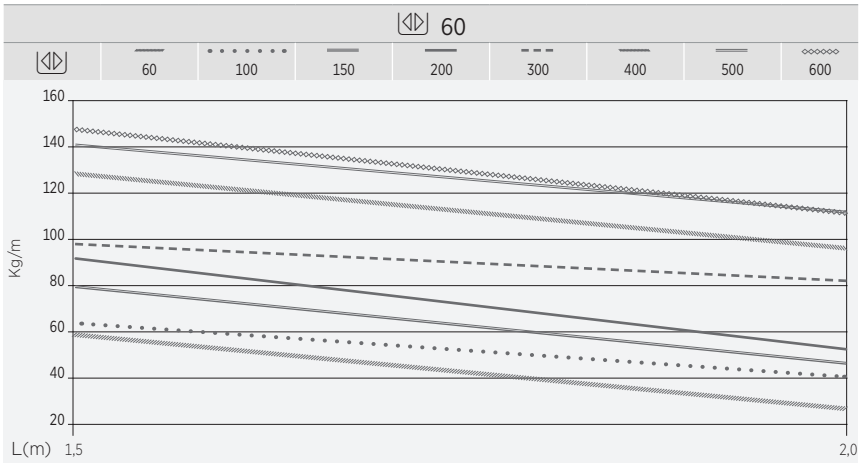
pemsaband® ONE

Datos técnicos
Technical data
Données techniques
Dados técnicos

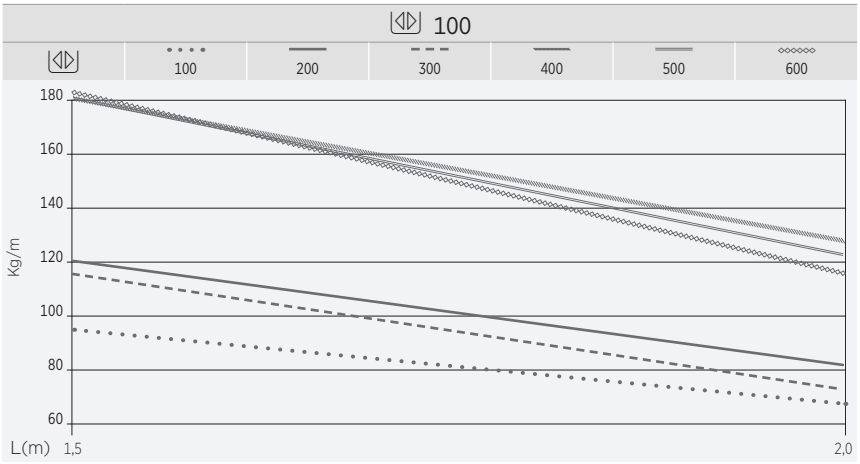
mm	mm	mm²
35	100	3122
	150	4822
	200	6522
	300	9922
	400	13322



mm	mm	mm²
60	60	3.122
	100	5.572
	150	8.522
	200	11.472
	300	17.372
	400	23.272
	500	29.172
	600	35.072



mm	mm	mm²
100	100	9.492
	200	19.392
	300	29.292
	400	39.192
	500	49.092
	600	58.992



pemsaband®

RX

Datos técnicos

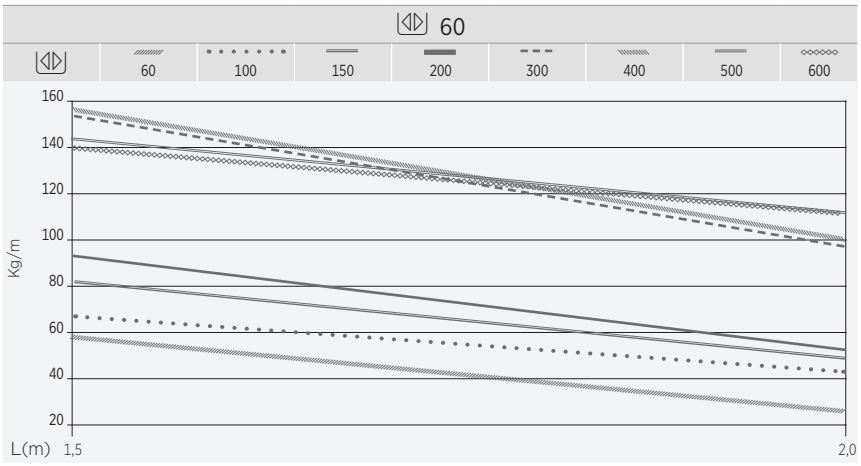
Technical data

Données techniques

Dados técnicos

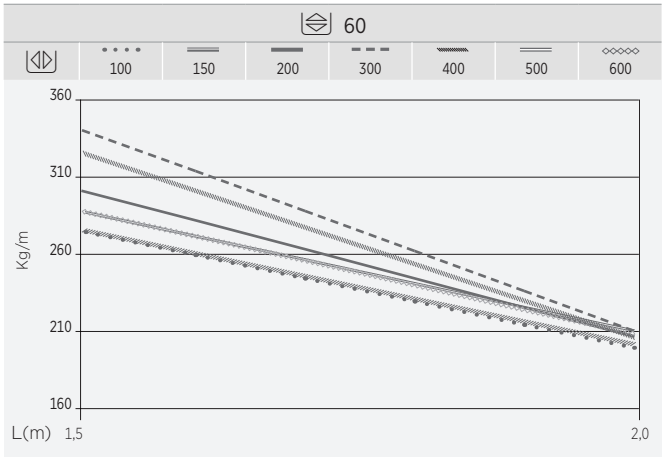
pemsaband® AZ+ one

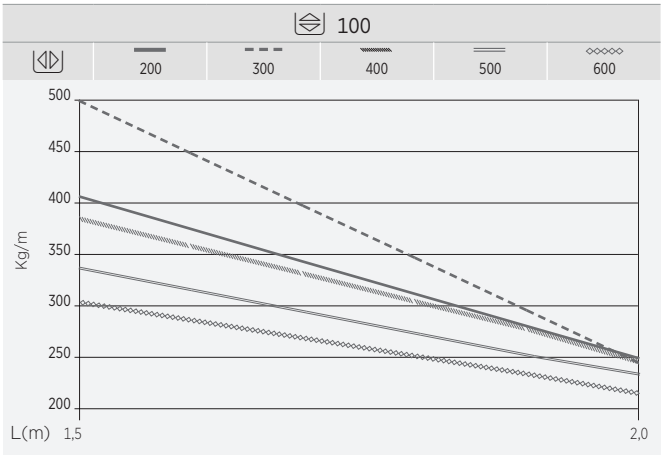
mm	mm	mm²	e mm
60	60	3.122	0,6
	100	5.572	0,6
	150	8.522	0,6
	200	11.472	0,6
	300	17.372	0,8
	400	23.272	0,8
	500	29.172	0,8
	600	35.072	0,8



pemsaband® RX

	60	100	150	200	300	400	450	500	600	e RX mm
	mm²									
60	3.122	5.572	8.522	11.472	17.372	23.272	29.172	35.072	29.050	1,5
100	-	9.492	-	19.392	29.292	39.192	-	49.092	58.992	1,5





pemsa

Kit Unión pemsaband®

pemsaband® *Joint Kit*

Éclisse ***pemsaband®***

Kit União ***pemsaband®***

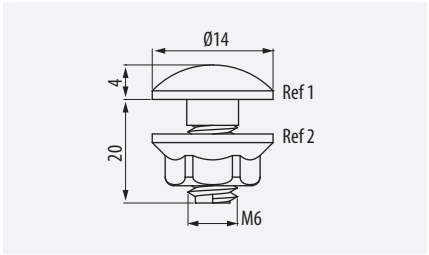




[ ] • 35-60-100 • 60-600

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

ETIM: EC002935



Unión pemsaband®

pemsaband® *Coupler*

Éclisse ***pemsaband®***

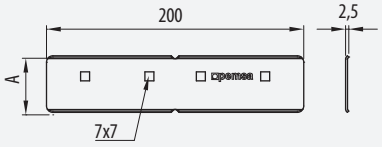
União ***pemsaband®***



[ ] • 35-60-100 • 60-600

S	A	Ref	kg/u	
PG	35	71021005	0,040	50

ETIM: EC002413



Unión Recta

Coupler

Èclisse

União

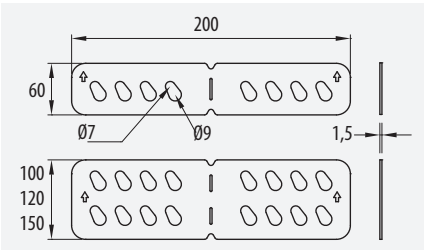




[ ] • 60-150 • 100-1000

S	A	Ref	kg/u	
PG	60	93910002	0,076	50
	100	93910003	0,113	20
GC	60	93930002	0,078	50
	100	93930003	0,115	20
304	60	93950002	0,075	50
	100	93950003	0,112	20
316L	60	93960002	0,075	50
	100	93960003	0,112	20

ETIM: EC002413



Unión Central pemsaband®

pemsaband® *Central Joiner*

Eclisse centrale ***pemsaband®***

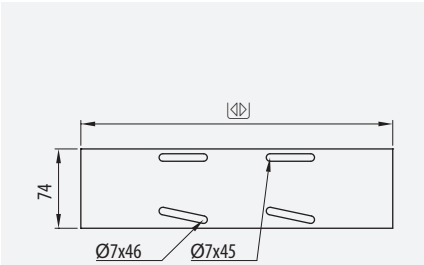
União Central ***pemsaband®***





[ ] • 35-60-100 • 300-600

S		Ref	kg/u	
PG	300	71020300	0,371	10
	400	71020400	0,493	10
	500	71020500	0,615	10
	600	71020600	0,738	10
GC	300	71030300	0,390	10
	400	71030400	0,516	10
	500	71030500	0,645	10
	600	71030600	0,773	10
304	300	71050300	0,240	10
	400	71050400	0,323	10
	500	71050500	0,398	10
	600	71050600	0,480	10
316L	300	71160300	0,240	10
	400	71160400	0,323	10
	500	71160500	0,398	10
	600	71160600	0,480	10



ETIM: EC002413

Bisagra pemsaband®

pemsaband® *Riser/Dropper*

União Variável ***pemsaband®***

União Variável ***pemsaband®***

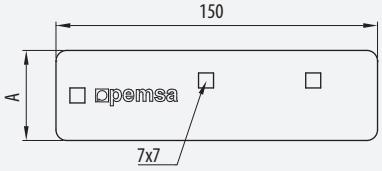


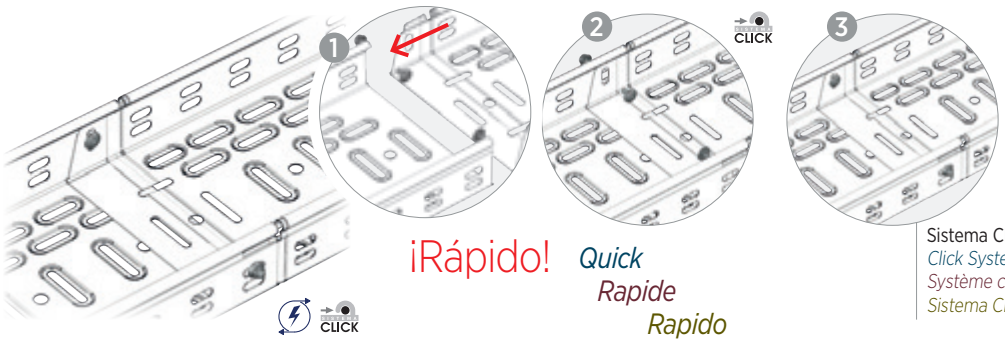


[ ] • 35-60-100 • 60-600

S	A	Ref	kg/u	
PG	35	71021006	0,028	4
	60	71022006	0,073	4
GC	35	71031006	0,031	4
	60	71032006	0,079	4
304	60	93950012	0,057	8
316L	60	93960012	0,057	8

ETIM: EC002413

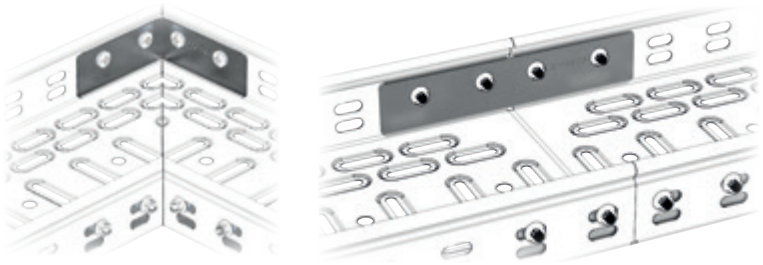




60-200	2
300-400	2+1
500-600	2+2

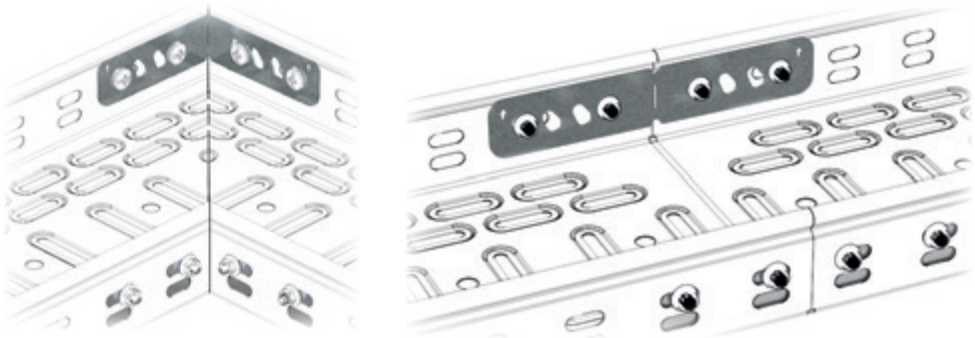
¡Rápido!
Quick
Rapide
Rapido

Sistema Click de Unión. Montaje Rápido
Click System. Quick Assembly
Système click éclisse. Montage Rapide
Sistema Click. Montagem Rápida



x 2
x 8
064

¡Aumenta resistencia!
Increased resistance
Augmente la résistance
Aumenta a résistência



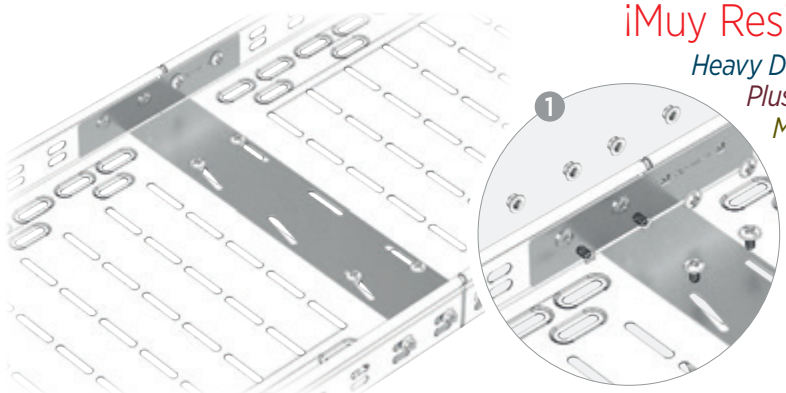
x 2	60
x 4	100

112
M8x20

x 1

¡Sólo una unión!
Only one Joint
Seulement une èclisse
Solo uma união

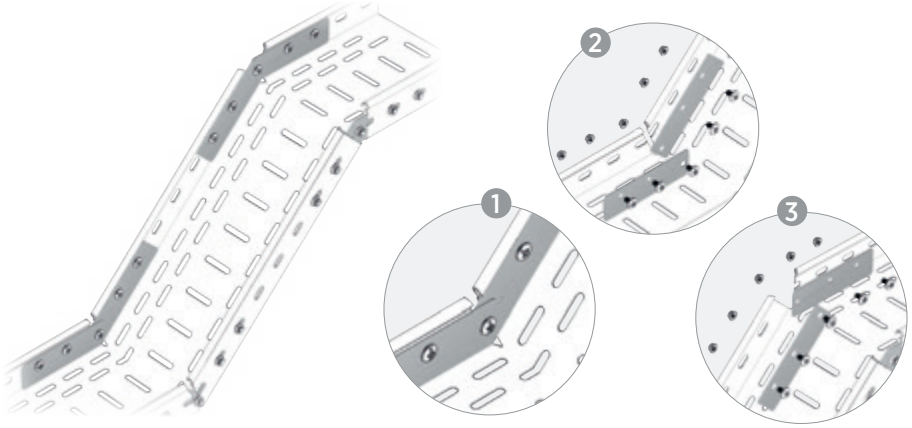
¡Muy Resistente!
Heavy Duty
Plus résistant
Mais Resistencia



x 2
x 1
x 12
064

Adecuada para:
Suitable for:
Appropriée pour:
Apropriado para:

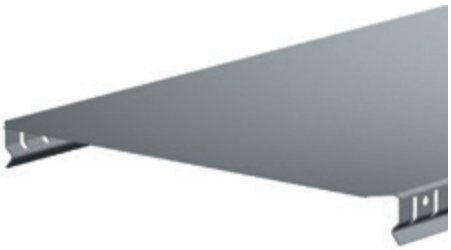
300-600



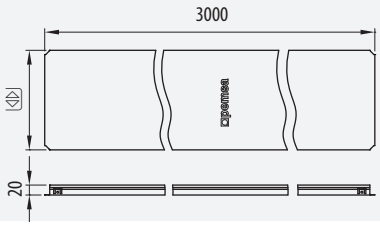
x 2
x 10
064

¡Ángulo ajustable!
Adjustable angle
Angle ajustable
Ângulo ajustável
15º-30º-45º-60º-90º

Tapa Recta
Straight Cover
Couvercle droit
Tampa



S	⇔	Ref	kg/u	u
PG	60	73021060	0,462	24
	100	73021100	0,653	24
	150	73021150	0,892	12
	200	73021200	1,131	12
	300	73021300	1,890	6
	400	73021400	2,452	6
	500	73021500	3,437	6
	600	73021600	4,078	6
GC	60	73031060	0,617	24
	100	73031100	0,872	24
	150	73031150	1,190	12
	200	73031200	1,507	12
	300	73031300	2,424	6
	400	73031400	3,823	6
	450	73031450	3,556	6
	500	73031500	4,700	6
	600	73031600	5,577	6
AZ+	60	82003760	0,460	24
	100	82003761	0,640	24
	150	82003762	0,880	12
	200	82003763	1,120	12
	300	82003764	1,840	6
	400	82003765	2,390	6
	500	82003766	3,370	6
	600	82003767	4,000	6



S	⇔	Ref	kg/u	u
304	60	73051060	0,385	24
	100	73051100	0,544	24
	150	73051150	0,750	12
	200	73051200	0,957	12
	300	73051300	1,380	6
	400	73051400	2,116	6
	500	73051500	2,602	6
	600	73051600	3,577	6
316L	60	73061060	0,385	24
	100	73061100	0,544	24
	150	73061150	0,750	12
	200	73061200	0,957	12
	300	73061300	1,380	6
	400	73061400	2,116	6
	500	73061500	2,602	6
	600	73061600	3,577	6

ETIM: EC002403

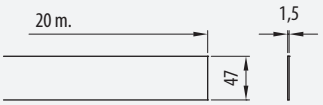


Junta Neopreno IP65
Neoprene Gasket IP65
Joint de Néoprène IP65
Junta do Neopreno IP65

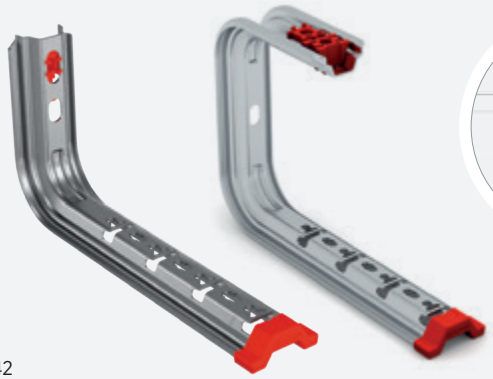
Ref	kg/u	u
71000001	0,020	20

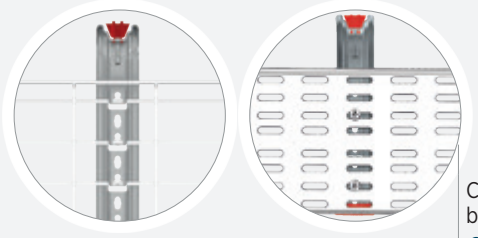
ETIM: EC002935





IDEA
Universal Omega Splus





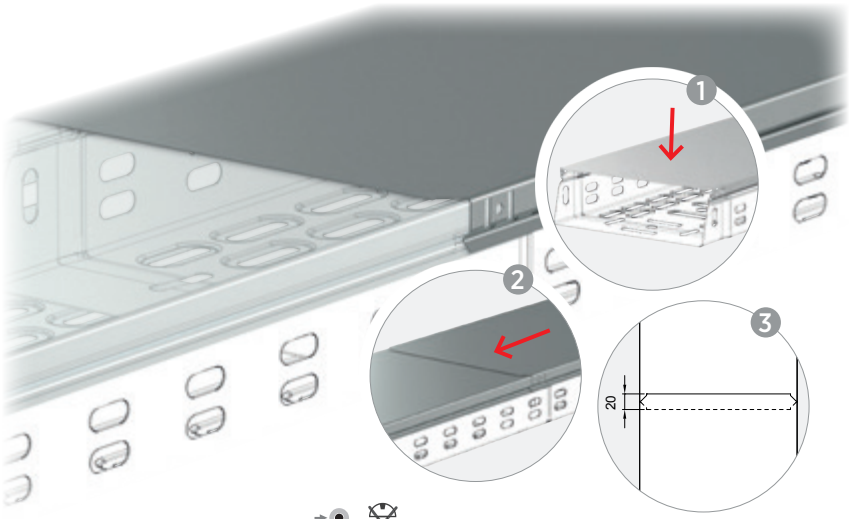
IEC 61537

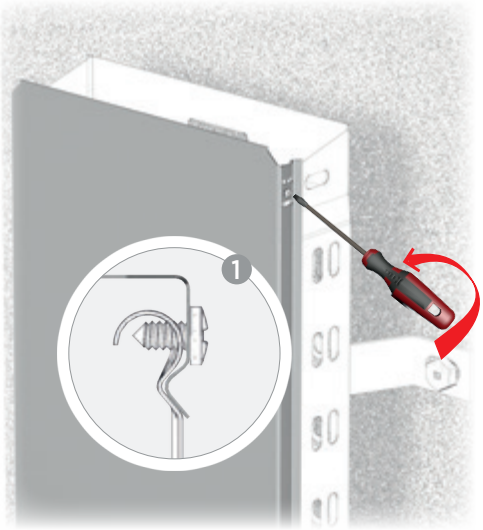
142

Compatibles con todas las bandejas
Compatible with all trays
Compatible avec toutes nos dalles de chemins de câbles
Compatível com todas as calhas

¡Solape de Tapas. Mejora Estanqueidad!

Covers overlap. Improved Sealing
Couvercle à pression, améliore l'étanchéité
Sobreposição de tampas. Melhor Estanquicidade





4,2x9,5

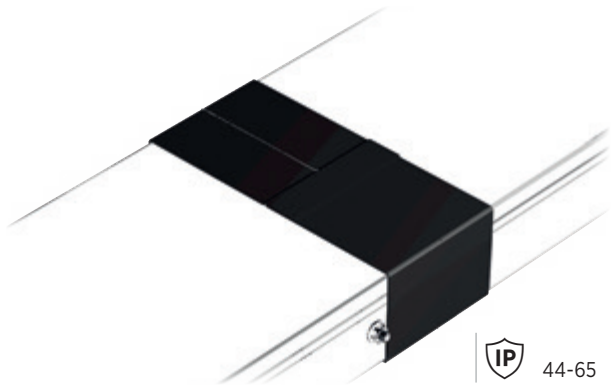
CLICK

¡Sistema Click. Sin fijaciones!

Click System. No fixings are required
Système click Sans fixations
Sistema Click. Sem Fixações

¡Fijación vertical segura!

Safe vertical installation
Très bonne Fixation vertical
Fixação vertical segura



IP 44-65

¡Máxima estanqueidad!

Maximum tightness
Un maximum d'étanchéité
Máxima estanquicidade



Metal RL - RR

IDEA

Tubos Rígidos Metálicos
Metal Rigid Conduits
Tubes rigides métalliques
Tubos Rígidos Metálicos

EZ	GC	AL	304

Alta Resistencia Mecánica
High Mechanical Resistance
Haute Résistance Mécanique
Alta Resistência Mecánica

IEC 61537

192

pemsa

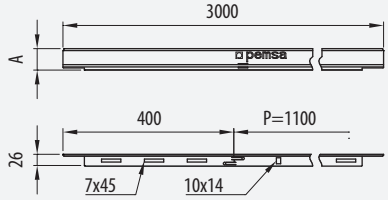
Tabique Separador Click
Click Divider
Cloison de séparation Click
Placa Separadora Click



• 35-60-100 • 60-600

S	A		Ref	kg/m	u
PG	25	35	67020610	0,212	60
	50	60	67020611	0,312	48
	80	85/100	67020612	0,444	36
GC	25	35	67030610	0,261	60
	50	60	67030611	0,384	48
	80	85/100	67030612	0,541	36
AZ+	50	60	81000312	0,284	48
304	25	35	67050610	0,207	60
	50	60	67050611	0,305	48
	80	85/100	67050612	0,430	36
316L	25	35	67060610	0,207	60
	50	60	67060611	0,305	48
	80	85/100	67060612	0,430	36

ETIM: EC001000



Soporte Universal pemsaband®
pemsaband® Universal Bracket
Support Universel pemsaband®
Suporte Universal pemsaband®

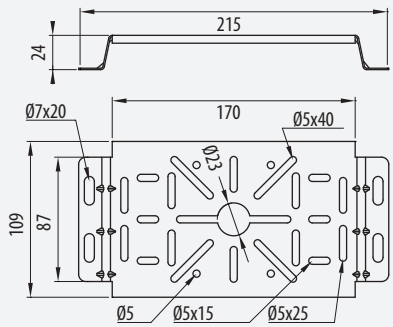




• 35-60-100 • 60-600

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

ETIM: EC000022



Suspensión interior pemsaband®
pemsaband® Inside Hanging Plate
Suspension intérieur pemsaband®
Suspensão Interior pemsaband®



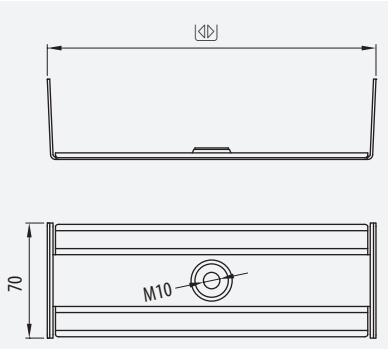


• 60 • 100-400

S		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

ETIM: EC001003

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



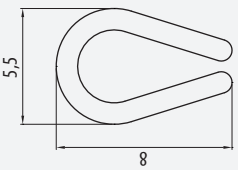
Perfil de Protección pemsaband®
pemsaband® Profile Protector
Profil de Protection pemsaband®
Perfil de Protecção pemsaband®

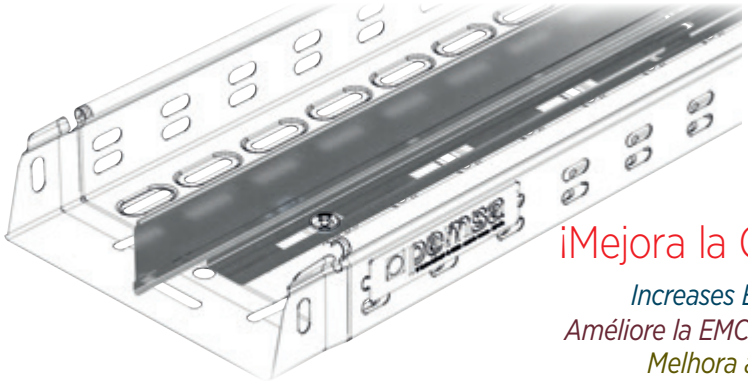


• 35-60-100 • 60-600

Ref	kg/u	u
71000000	0,032	25

ETIM: EC002935





x 1 x m

068

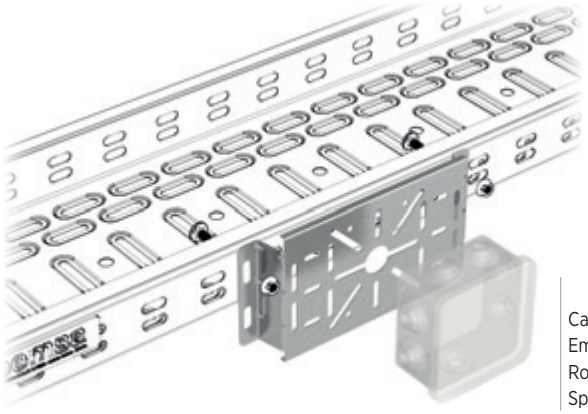
¡Organización de cables!

Easy cable management
Compartiment de câbles
Fácil organização de cabos

¡Mejora la CEM!

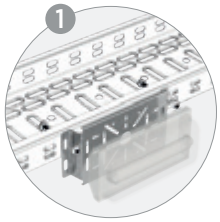
Increases EMC
Améliore la EMC
Melhora a EMC

070



x 2

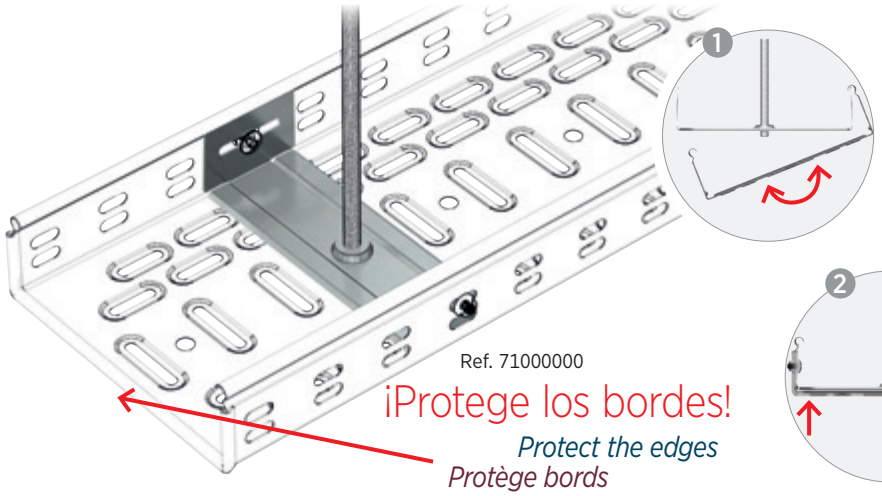
068



Versátil.
¡Múltiples aplicaciones!

Versatile. Multiple applications
Versátil. Multiples applications
Versátil. Várias aplicações

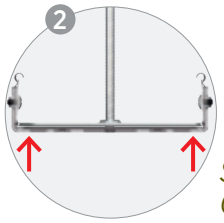
Cajas / *Boxes* / / *Caixas* / *Caixas*
Emergencias / *Emergency Lighting* / *Armaduras de Emergência* / *Armaduras de Emergência*
Routers
Speakers



x 2

068

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



Hidden System.
The support is installed inside the cable tray

Système de support à l'intérieur de la dalle

Sistema Oculto.
O suporte está instalado dentro da calha

Ref. 71000000

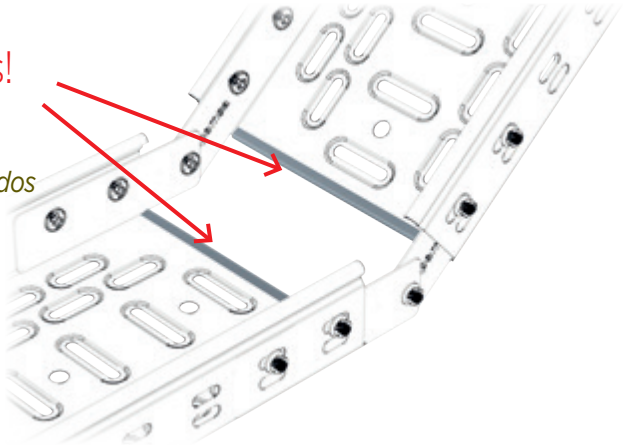
¡Protege los bordes!

Protect the edges
Protège bords
Protege os bordos

Ref. 71000000

¡Protege los bordes!

Protect the edges
Protège bords
Protege os bordos





pemsa

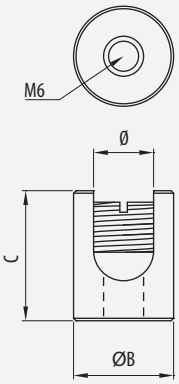
Borna Equipotencialidad
Bonding Connector
Borne de terre
Borne de terra



[ ] • 35-60-100 • 60-600

Ⓢ	A (mm²)	Ø máx (mm)	Ref	kg/u	u
LAT	16-50	8,0	68000034	0,024	20
	50-110	11,5	68000035	0,043	20

ETIM: EC002935



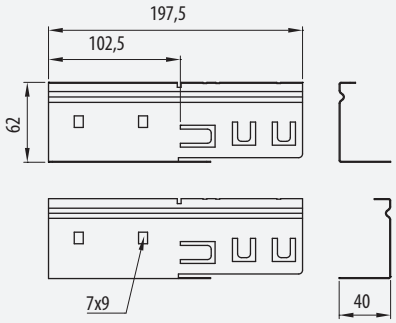
Unión rejiband®-pemsaband®
***rejiband®-pemsaband®** Coupler*
*Coupleur **rejiband®-pemsaband®***
*União **rejiband®-pemsaband®***



[ ] • 60 • 60-600

Ⓢ	Ref	kg/u	u
PG	70120200	0,190	1
GC	70130200	0,214	1

ETIM: EC002413



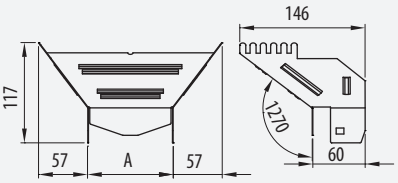
Derivación rejiband®-pemsaband®
*Base Entry **rejiband®-pemsaband®***
*Dérivation **rejiband®-pemsaband®***
*Derivação **rejiband®-pemsaband®***



[ ] • 60 • 100-150

Ⓢ	A	Ref	kg/u	u
PG	100	70027100	0,172	1
	150	70027150	0,240	1
GC	100	70037100	0,221	1
	150	70037150	0,294	1

ETIM: EC002935

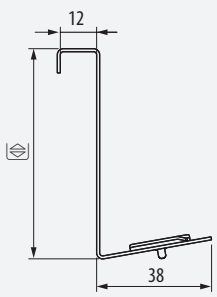


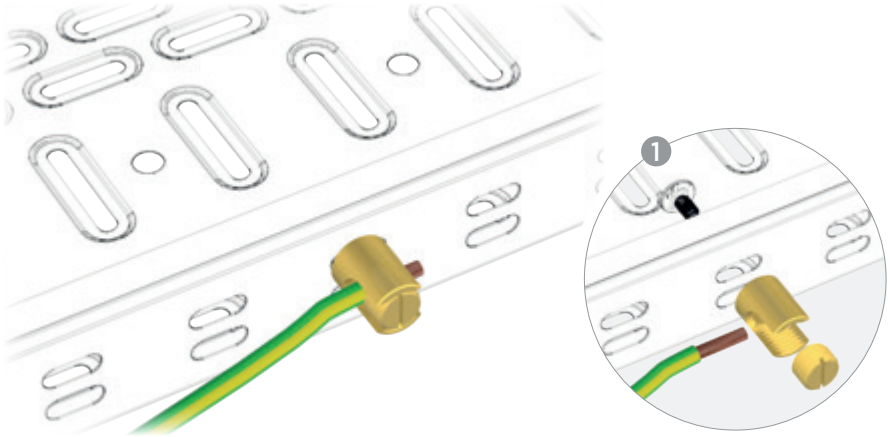
Abrazadera Rail Rápida pemsaband®
*Fast Hold Down Bracket **pemsaband®***
*Bride pour Rail Rapide **pemsaband®***
*Abraçadeira Rail Rapida **pemsaband®***



[ ] • 60 • 100-150

Ⓢ	A	Ref	kg/u	u
GC	35	81000253	0,019	10
	60	81000254	0,023	10
	100	81000256	0,029	10





220

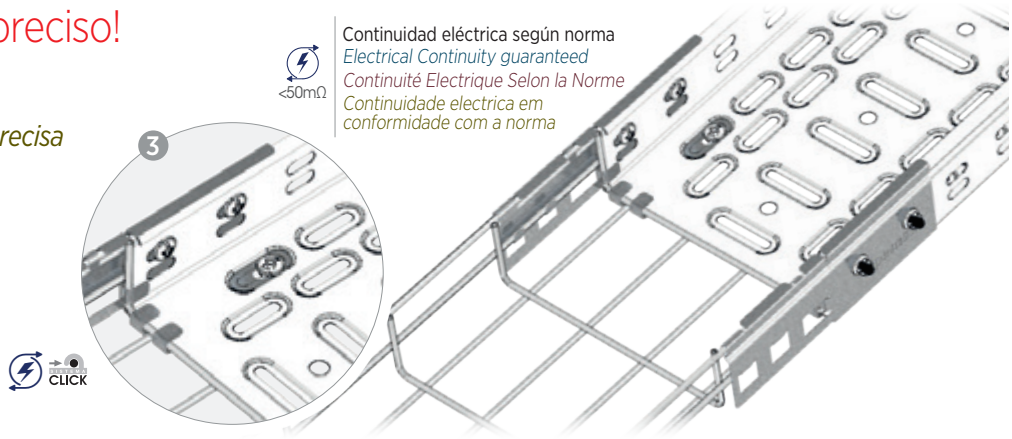
Consultar Ejemplos de Conexión Equipotencial
Consult Examples of Equipotential Bonding
Consulter les exemples de connexion Équipotentielle
Consulte exemplos de ligação equipotencial

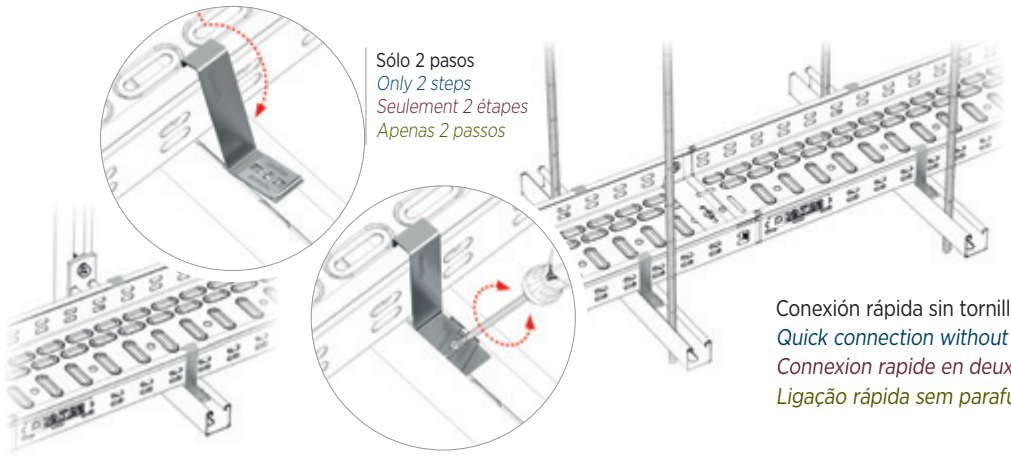
070

¡Montaje seguro y preciso!

Safe and precise assembly
Montage sûr est précis
Montagem segura e precisa

<50mΩ
Continuidad eléctrica según norma
Electrical Continuity guaranteed
Continuité Electrique Selon la Norme
Continuidade electrica em conformidade com a norma





Sólo 2 pasos
Only 2 steps
Seulement 2 étapes
Apenas 2 passos

Abrazadera Rail Rápida
Fast Hold Down Bracket
Bride pour Rail Rapide
Abraçadeira Rail Rapida

Conexión rápida sin tornillos a estructuras de railes
Quick connection without screws to channel and strut
Connexion rapide en deux pas et sans vis sur des rail
Ligação rápida sem parafusos a estruturas de perfis

IDEA

rejiband®



La bandeja más segura
The Safest Cable Tray
Chemin de câble plus fiable
A calha mais segura

+ Borde de Seguridad
+ Safety edge
+ Bord de sécurité
+ Rebordo de segurança

IEC 61537 · N.V.E-1 · UL · <50mΩ · E90 · AENOR · RoHS II

024

Curva 90° Click

90° Bend Click

Courbe à 90° Click

Courbe 90° Click

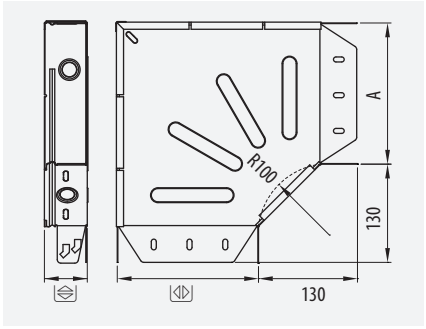




CLICK

[ ] • 35-60-100 • 60-600

S			Ref	kg/u	
PG	35	100	70020110	0,272	1
	35	150	70020115	0,419	1
	35	200	70020120	0,683	1
	35	300	70020130	1,152	1
	60	60	70020206	0,362	1
	60	100	70020210	0,362	1
	60	150	70020215	0,516	1
	60	200	70020220	0,809	1
	60	300	70020230	1,306	1
	60	400	70020240	1,912	1
	60	500	70020250	3,003	1
	60	600	70020260	3,947	1
	100	100	70020410	0,443	1
	100	200	70020420	1,009	1
	100	300	70020430	1,550	1
	100	400	70020440	2,201	1
	100	500	70020450	3,385	1
	100	600	70020460	4,379	1
GC	35	100	70030110	0,358	1
	35	150	70030115	0,551	1
	35	200	70030120	0,879	1
	35	300	70030130	1,483	1
	60	100	70030210	0,475	1
	60	150	70030215	0,679	1
	60	200	70030220	1,042	1
	60	300	70030230	1,681	1
	60	400	70030240	2,461	1
	60	500	70030250	3,382	1
	60	600	70030260	4,444	1
	100	100	70030410	0,669	1
	100	200	70030420	1,226	1
	100	300	70030430	1,883	1
	100	400	70030440	2,674	1
	100	500	70030450	3,597	1
	100	600	70030460	4,655	1



[ ] • 35-60-100 • 60-600

S			Ref	kg/u	
AZ+	60	60	82003782	pend.	1
	60	100	82003783	pend.	1
	60	150	82003784	pend.	1
	60	200	82003785	pend.	1
	60	300	82003786	pend.	1
	60	400	82003787	pend.	1
	60	500	82003788	pend.	1
	60	600	82003789	pend.	1
304	60	100	70050210	0,297	1
	60	150	70050215	0,423	1
	60	200	70050220	0,568	1
	60	300	70050230	0,919	1
	60	400	70050240	1,347	1
	60	500	70050250	1,854	1
	60	600	70050260	2,441	1
316L	60	100	70060210	0,297	1
	60	150	70060215	0,423	1
	60	200	70060220	0,568	1
	60	300	70060230	0,919	1
	60	400	70060240	1,347	1
	60	500	70060250	1,854	1
	60	600	70060260	2,441	1

ETIM: EC002400

Tapa Curva 90° Click

90° Bend Cover Click

Couvercle courbe click 90°

Tampa Curva 90° Click

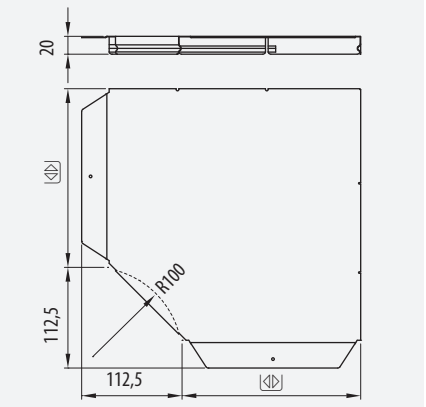




CLICK

[ ] • 35-60-100 • 60-600

S		Ref	kg/u	
PG	60	73020060	0,200	1
	100	73020100	0,200	1
	150	73020150	0,320	1
	200	73020200	0,543	1
	300	73020300	0,962	1
	400	73020400	1,491	1
	500	73020500	2,435	1
	600	73020600	3,292	1
GC	100	73030100	0,263	1
	150	73030150	0,421	1
	200	73030200	0,698	1
	300	73030300	1,237	1
	400	73030400	1,918	1
	500	73030500	2,741	1
	600	73030600	3,703	1
AZ+	60	82003829	pend.	1
	100	82003830	pend.	1
	150	82003831	pend.	1
	200	82003832	pend.	1
	300	82003833	pend.	1
	400	82003834	pend.	1
	500	82003835	pend.	1
	600	82003836	pend.	1
304	100	73050100	0,167	1
	150	73050150	0,267	1
	200	73050200	0,387	1
	300	73050300	0,687	1
	400	73050400	1,065	1



[ ] • 35-60-100 • 60-600

S		Ref	kg/u	
304	500	73050500	1,522	1
	600	73050600	2,058	1
316L	100	73060100	0,167	1
	150	73060150	0,267	1
	200	73060200	0,387	1
	300	73060300	0,687	1
	400	73060400	1,065	1
	500	73060500	1,522	1
	600	73060600	2,058	1

ETIM: EC001569

T Click

Tee Click
T Click
T Click

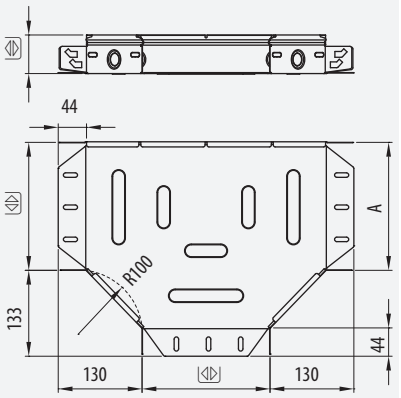




CLICK

[ ] • 35-60-100 • 100-600

S			Ref	kg/u	
PG	35	100	70022110	0,347	1
	35	150	70022115	0,518	1
	35	200	70022120	0,823	1
	35	300	70022130	1,153	1
	60	100	70022210	0,450	1
	60	150	70022215	0,621	1
	60	200	70022220	0,949	1
	60	300	70022230	1,484	1
	60	400	70022240	2,126	1
	60	500	70022250	3,290	1
	60	600	70022260	4,275	1
	100	100	70022410	0,581	1
	100	200	70022420	1,120	1
	100	300	70022430	1,667	1
	100	400	70022440	2,324	1
	100	500	70022450	3,533	1
	100	600	70022460	4,536	1
GC	35	100	70032110	0,457	1
	35	150	70032115	0,682	1
	35	200	70032120	1,060	1
	35	300	70032130	1,730	1
	60	100	70032210	0,592	1
	60	150	70032215	0,816	1
	60	200	70032220	1,223	1
	60	300	70032230	1,910	1
	60	400	70032240	2,737	1
	60	500	70032250	3,705	1
	60	600	70032260	4,815	1
	100	100	70032410	0,809	1
	100	200	70032420	1,201	1
	100	300	70032430	1,787	1
	100	400	70032440	2,491	1
	100	500	70032450	3,755	1
	100	600	70032460	4,820	1



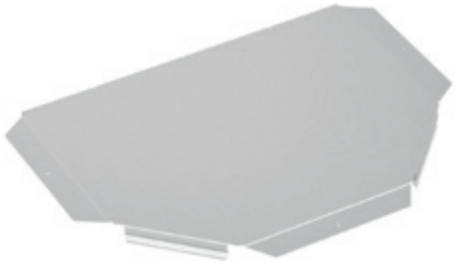
[ ] • 35-60-100 • 100-600

S			Ref	kg/u	
AZ+	60	100	82003791	pend.	1
	60	150	82003792	pend.	1
	60	200	82003793	pend.	1
	60	300	82003794	pend.	1
	60	400	82003795	pend.	1
	60	500	82003796	pend.	1
	60	600	82003797	pend.	1
304	60	100	70052210	0,368	1
	60	150	70052215	0,506	1
	60	200	70052220	0,664	1
	60	300	70052230	1,039	1
	60	400	70052240	1,493	1
	60	500	70052250	2,025	1
	60	600	70052260	2,636	1
316L	60	100	70062210	0,368	1
	60	150	70062215	0,506	1
	60	200	70062220	0,664	1
	60	300	70062230	1,039	1
	60	400	70062240	1,493	1
	60	500	70062250	2,025	1
	60	600	70062260	2,636	1

ETIM: EC002401

Tapa T Click

Tee Cover Click
Couvercle T click
Tampa T Click

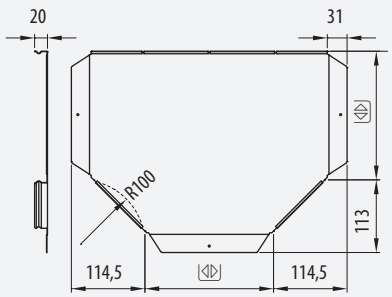




CLICK

[ ] • 35-60-100 • 100-600

S		Ref	kg/u	
PG	100	73022100	0,266	1
	150	73022150	0,410	1
	200	73022200	0,674	1
	300	73022300	1,147	1
	400	73022400	1,730	1
	500	73022500	2,769	1
	600	73022600	3,687	1
GC	100	73032100	0,350	1
	150	73032150	0,539	1
	200	73032200	0,867	1
	300	73032300	1,476	1
	400	73032400	2,225	1
	500	73032500	3,117	1
	600	73032600	4,150	1
AZ+	100	82003865	pend.	1
	150	82003866	pend.	1
	200	82003867	pend.	1
	300	82003868	pend.	1
	400	82003869	pend.	1
	500	82003870	pend.	1
	600	82003871	pend.	1
304	100	73052100	0,222	1
	150	73052150	0,342	1
	200	73052200	0,481	1
	300	73052300	0,819	1
	400	73052400	1,236	1



[ ] • 35-60-100 • 100-600

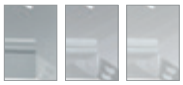
S		Ref	kg/u	
304	500	73052500	1,731	1
	600	73052600	2,304	1
316L	100	73062100	0,222	1
	150	73062150	0,342	1
	200	73062200	0,481	1
	300	73062300	0,819	1
	400	73062400	1,236	1
	500	73062500	1,731	1
	600	73062600	2,304	1

ETIM: EC002406

Derivación Click

Side Entry Click
Dérivation Click
Derivação Click

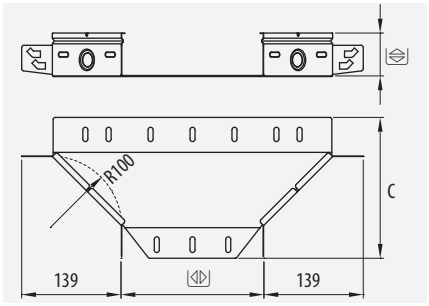




CLICK

[ ] • 35-60-100 • 60-600

			Ref	kg/u	
PG	35	100	70023110	0,215	1
	35	150	70023115	0,259	1
	35	200	70023120	0,357	1
	35	300	70023130	0,462	1
	60	60	70023206	0,212	1
	60	100	70023210	0,265	1
	60	150	70023215	0,310	1
	60	200	70023220	0,414	1
	60	300	70023230	0,519	1
	60	400	70023240	0,624	1
	60	500	70023250	0,833	1
	60	600	70023260	0,953	1
	100	100	70023410	0,373	1
	100	200	70023420	0,511	1
	100	300	70023430	0,616	1
	100	400	70023440	0,721	1
	100	500	70023450	0,944	1
	100	600	70023460	1,064	1
GC	35	100	70033110	0,282	1
	35	150	70033115	0,343	1
	35	200	70033120	0,459	1
	35	300	70033130	0,594	1
	60	100	70033210	0,347	1
	60	150	70033215	0,407	1
	60	200	70033220	0,532	1
	60	300	70033230	0,668	1
	60	400	70033240	0,803	1
	60	500	70033250	0,938	1
	60	600	70033260	1,073	1
	100	100	70033410	0,498	1
	100	200	70033420	0,621	1
	100	300	70033430	0,749	1
	100	400	70033440	0,876	1
	100	500	70033450	1,004	1
	100	600	70033460	1,131	1



[ ] • 35-60-100 • 60-600

			Ref	kg/u	
AZ+	60	60	82003798	0,2705	1
	60	100	82003799	0,2923	1
	60	150	82003800	0,3431	1
	60	200	82003801	0,3881	1
	60	300	82003802	0,6364	1
	60	400	82003803	0,7622	1
	60	500	82003804	0,8518	1
	60	600	82003805	0,9729	1
304	60	100	70053210	0,237	1
	60	150	70053215	0,275	1
	60	200	70053220	0,313	1
	60	300	70053230	0,391	1
	60	400	70053240	0,468	1
	60	500	70053250	0,518	1
	60	600	70053260	0,592	1
316L	60	100	70063210	0,237	1
	60	150	70063215	0,275	1
	60	200	70063220	0,313	1
	60	300	70063230	0,391	1
	60	400	70063240	0,468	1
	60	500	70063250	0,518	1
	60	600	70063260	0,592	1

ETIM: EC002401

Tapa Derivación Click

Side Entry Cover Click
Couvercle de dérivation click
Tampa Derivação Click

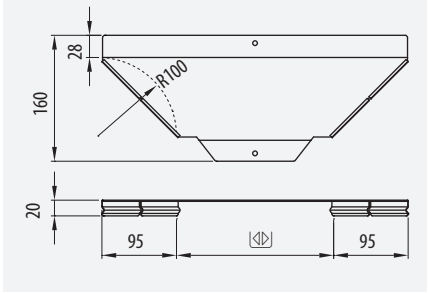




CLICK

[ ] • 35-60-100 • 60-600

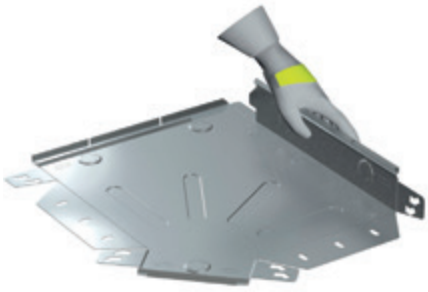
		Ref	kg/u	
PG	60	73023060	0,100	1
	100	73023100	0,161	1
	150	73023150	0,198	1
	200	73023200	0,236	1
	300	73023300	0,363	1
	400	73023400	0,451	1
	500	73023500	0,616	1
	600	73023600	0,716	1
GC	100	73033100	0,228	1
	150	73033150	0,280	1
	200	73033200	0,412	1
	300	73033300	0,545	1
	400	73033400	0,677	1
	500	73033500	0,809	1
	600	73033600	0,941	1
AZ+	60	82003837	0,1266	1
	100	82003838	0,1713	1
	150	82003839	0,2106	1
	200	82003840	0,2510	1
	300	82003841	0,4347	1
	400	82003842	0,5401	1
	500	82003843	0,6454	1
	600	82003844	0,7502	1



[ ] • 35-60-100 • 60-600

		Ref	kg/u	
304	100	73053100	0,134	1
	150	73053150	0,165	1
	200	73053200	0,197	1
	300	73053300	0,259	1
	400	73053400	0,322	1
	500	73053500	0,385	1
	600	73053600	0,448	1
316L	100	73063100	0,134	1
	150	73063150	0,165	1
	200	73063200	0,197	1
	300	73063300	0,259	1
	400	73063400	0,322	1
	500	73063500	0,385	1
	600	73063600	0,448	1

ETIM: EC002406



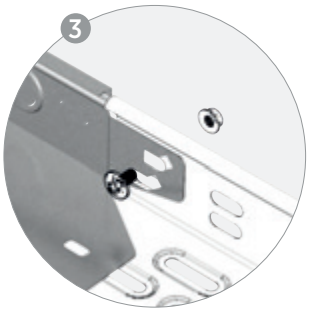
PG AZ+



GC 304 316L

x 2

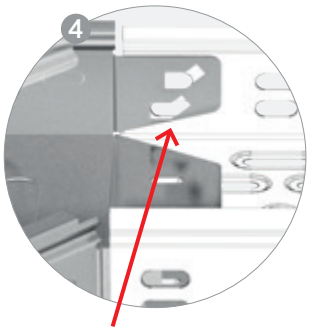
064





¡Sistema Click: Sin Uniones!

Click System: No couplers are required
Système click: Sans éclisses
Sistema Click: Sem Uniões



Sistema Universal patentado.

¡Válido para cualquier bandeja de chapa!

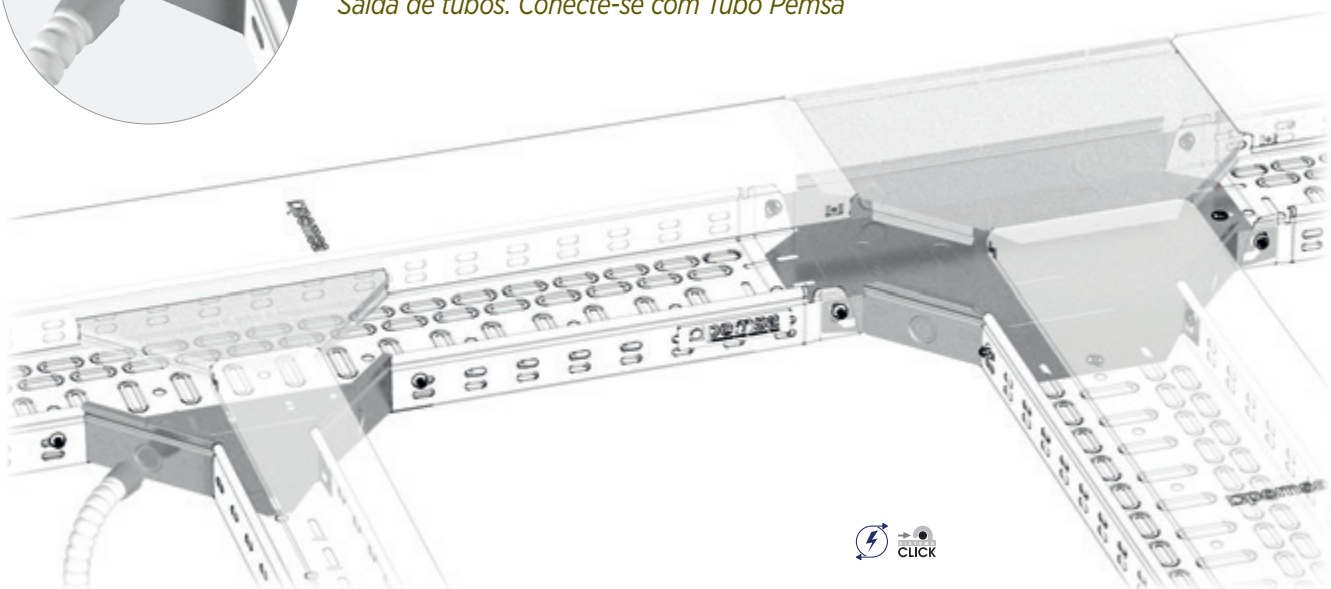
Patented Universal System. Applies to any cable tray
Système Universel Patenteado. Valable pour toutes nos dalles de chemins de câbles
Sistema Universal Patenteado. Válido para todos os caminhos de cabos em chapa



¡Salida de tubos!
Conectar con Tubos Pemsa.

188

Conduit Outlet. Connect with Pemsa Conduits
Sortie de tubes. Connection avec des tubes Pemsa
Saída de tubos. Conecte-se com Tubo Pemsa



Cruce Click

Crossover Click

Croisement Click

Cruzeta Click

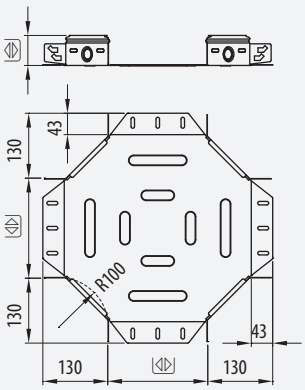




CLICK

[ ] • 35-60-100 • 100-600

S			Ref	kg/u	
PG	35	100	70024110	0,434	1
	35	150	70024115	0,630	1
	35	200	70024120	0,980	1
	35	300	70024130	1,777	1
	60	100	70024210	0,548	1
	60	150	70024215	0,735	1
	60	200	70024220	1,104	1
	60	300	70024230	1,918	1
	60	400	70024240	2,700	1
	60	500	70024250	3,608	1
	60	100	70024260	4,642	1
	100	100	70024410	0,679	1
	100	200	70024420	1,247	1
	100	300	70024430	1,807	1
	100	400	70024440	2,831	1
	100	500	70024450	3,722	1
	100	600	70024460	4,739	1
GC	35	100	70034110	0,570	1
	35	150	70034115	0,826	1
	35	200	70034120	1,260	1
	35	300	70034130	2,000	1
	60	100	70034210	0,720	1
	60	150	70034215	0,965	1
	60	200	70034220	1,420	1
	60	300	70034230	2,159	1
	60	400	70034240	3,039	1
	60	500	70034250	4,061	1
	60	600	70034260	5,225	1
	100	100	70034410	0,907	1
	100	200	70034420	1,337	1
	100	300	70034430	1,937	1
	100	400	70034440	3,009	1
	100	500	70034450	3,957	1
	100	600	70034460	5,038	1



[ ] • 35-60-100 • 100-600

S			Ref	kg/u	
304	60	100	70054210	0,431	1
	60	150	70054215	0,583	1
	60	200	70054220	0,753	1
	60	300	70054230	1,153	1
	60	400	70054240	1,631	1
	60	500	70054250	2,189	1
	60	600	70054260	2,824	1
316L	60	100	70064210	0,431	1
	60	150	70064215	0,583	1
	60	200	70064220	0,753	1
	60	300	70064230	1,153	1
	60	400	70064240	1,631	1
	60	500	70064250	2,189	1
	60	600	70064260	2,824	1

ETIM: EC001542

Tapa Cruce Click

Crossover Cover Click

Couvercle de croisement click

Tampa Cruzeta Click

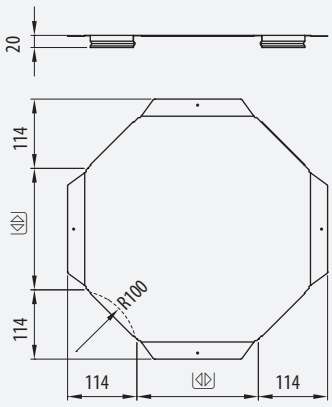




CLICK

[ ] • 35-60-100 • 100-600

S		Ref	kg/u	
PG	100	73024100	0,344	1
	150	73024150	0,511	1
	200	73024200	0,818	1
	300	73024300	1,537	1
	400	73024400	2,265	1
	500	73024500	3,119	1
	600	73024600	4,094	1
GC	100	73034100	0,452	1
	150	73034150	0,671	1
	200	73034200	1,052	1
	300	73034300	1,730	1
	400	73034400	2,550	1
	500	73034500	3,511	1
	600	73034600	4,608	1
304	100	73054100	0,287	1
	150	73054150	0,426	1
	200	73054200	0,584	1
	300	73054300	0,961	1
	400	73054400	1,416	1
	500	73054500	1,949	1
	600	73054600	2,559	1



[ ] • 35-60-100 • 100-600

S		Ref	kg/u	
316L	100	73064100	0,287	1
	150	73064150	0,426	1
	200	73064200	0,584	1
	300	73064300	0,961	1
	400	73064400	1,416	1
	500	73064500	1,949	1
	600	73064600	2,559	1

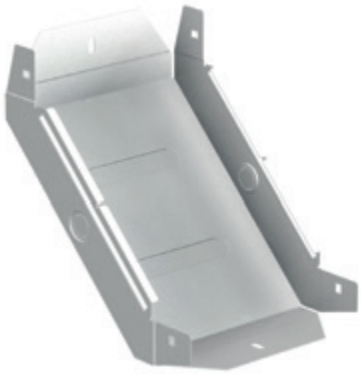
ETIM: EC002404

Cambio de Nivel CNC Click

Inside Riser Click

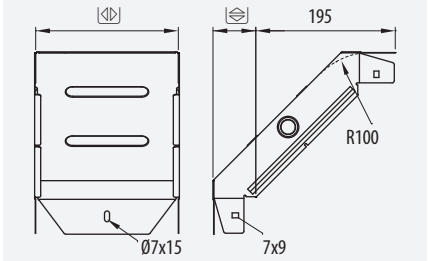
Changement de niveau click

Subida CNC Click



[ ] • ⇕ 35-60-100 • ⇔ 60-600

S	⇕	⇔	Ref	kg/u	
PG	35	100	70025110	0,248	1
	35	150	70025115	0,340	1
	35	200	70025120	0,561	1
	35	300	70025130	0,790	1
	60	60	70025206	0,276	1
	60	100	70025210	0,356	1
	60	150	70025215	0,452	1
	60	200	70025220	0,548	1
	60	300	70025230	0,862	1
	60	400	70025240	1,085	1
	60	500	70025250	1,495	1
	100	100	70025410	0,472	1
	100	200	70025420	0,873	1
	100	300	70025430	1,121	1
	100	400	70025440	1,368	1
	100	500	70025450	1,846	1
	100	600	70025460	2,128	1
GC	35	100	70035110	0,331	1
	35	150	70035115	0,453	1
	35	200	70035120	0,641	1
	35	300	70035130	0,903	1
	60	100	70035210	0,468	1
	60	150	70035215	0,593	1
	60	200	70035220	0,822	1
	60	300	70035230	1,109	1
	60	400	70035240	1,396	1
	60	500	70035250	1,683	1
	60	600	70035260	1,970	1
	100	100	70035410	0,630	1
	100	200	70035420	0,936	1
	100	300	70035430	1,201	1
	100	400	70035440	1,466	1
	100	500	70035450	1,962	1
	100	600	70035460	2,262	1



[ ] • ⇕ 35-60-100 • ⇔ 60-600

S	⇕	⇔	Ref	kg/u	
AZ+	60	60	82003813	0,1890	1
	60	100	82003814	0,3790	1
	60	150	82003815	0,4808	1
	60	200	82003816	0,5818	1
	60	300	82003817	0,7861	1
	60	400	82003818	1,2992	1
	60	500	82003819	1,5664	1
	60	600	82003820	1,8336	1
304	60	100	70055210	0,297	1
	60	150	70055215	0,377	1
	60	200	70055220	0,456	1
	60	300	70055230	0,616	1
	60	400	70055240	0,775	1
	60	500	70055250	0,934	1
	60	600	70055260	1,094	1
316L	60	100	70065210	0,297	1
	60	150	70065215	0,377	1
	60	200	70065220	0,456	1
	60	300	70065230	0,616	1
	60	400	70065240	0,775	1
	60	500	70065250	0,934	1
	60	600	70065260	1,094	1

ETIM: EC002400

Tapa Cambio de Nivel CNC Click

Inside Riser Cover Click

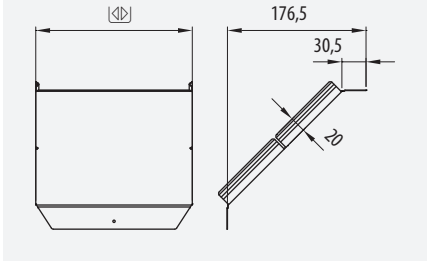
Couvercle changement de niveau

Tampa Subida CNC Click



[ ] • ⇕ 35-60-100 • ⇔ 60-600

S	⇔	Ref	kg/u	
PG	60	73025060	0,100	1
	100	73025100	0,153	1
	150	73025150	0,216	1
	200	73025200	0,326	1
	300	73025300	0,472	1
	400	73025400	0,622	1
	500	73025500	0,873	1
	600	73025600	1,171	1
GC	100	73035100	0,201	1
	150	73035150	0,284	1
	200	73035200	0,419	1
	300	73035300	0,608	1
	400	73035400	0,800	1
	500	73035500	0,983	1
	600	73035600	1,171	1
AZ+	60	82003845	0,0570	1
	100	82003846	0,1627	1
	150	82003847	0,2298	1
	200	82003848	0,2968	1
	300	82003849	0,4297	1
	400	82003850	0,7400	1
	500	82003851	0,9147	1
	600	82003852	1,0895	1



[ ] • ⇕ 35-60-100 • ⇔ 60-600

S	⇔	Ref	kg/u	
304	100	73055100	0,128	1
	150	73055150	0,180	1
	200	73055200	0,233	1
	300	73055300	0,367	1
	400	73055400	0,441	1
	500	73055500	0,546	1
	600	73055600	0,732	1
316L	100	73065100	0,128	1
	150	73065150	0,180	1
	200	73065200	0,233	1
	300	73065300	0,367	1
	400	73065400	0,441	1
	500	73065500	0,546	1
	600	73065600	0,732	1

ETIM: EC002402

pemsa

Cambio de Nivel CNV Click

Outside Riser Click

Changement de niveau click

Descida CNV Click

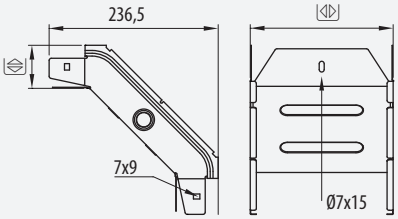




CLICK

35-60-100 • 60-600

			Ref	kg/u	
PG	35	100	70026110	0,236	1
	35	150	70026115	0,310	1
	35	200	70026120	0,444	1
	35	300	70026130	0,694	1
	60	60	70026206	0,227	1
	60	100	70026210	0,287	1
	60	150	70026215	0,352	1
	60	200	70026220	0,486	1
	60	300	70026230	0,636	1
	60	400	70026240	0,786	1
	60	500	70026250	1,070	1
	60	100	70026260	1,242	1
	100	100	70026410	0,338	1
	100	200	70026420	0,509	1
	100	300	70026430	0,622	1
	100	400	70026440	0,728	1
	100	500	70026450	0,967	1
	100	600	70026460	1,095	1
GC	35	100	70036110	0,310	1
	35	150	70036115	0,407	1
	35	200	70036120	0,571	1
	35	300	70036130	0,781	1
	60	100	70036210	0,377	1
	60	150	70036215	0,468	1
	60	200	70036220	0,625	1
	60	300	70036230	0,818	1
	60	400	70036240	1,011	1
	60	500	70036250	1,205	1
	60	600	70036260	1,398	1
	100	100	70036410	0,452	1
	100	200	70036420	0,546	1
	100	300	70036430	0,666	1
	100	400	70036440	0,781	1
	100	500	70036450	1,028	1
	100	600	70036460	1,164	1



35-60-100 • 60-600

			Ref	kg/u	
AZ+	60	60	82003821	0,141	1
	60	100	82003822	0,305	1
	60	150	82003823	0,352	1
	60	200	82003824	0,426	1
	60	300	82003825	0,545	1
	60	400	82003826	0,898	1
	60	500	82003827	1,070	1
	60	100	82003828	1,242	1
304	60	100	70056210	0,239	1
	60	150	70056215	0,293	1
	60	200	70056220	0,347	1
	60	300	70056230	0,454	1
	60	400	70056240	0,561	1
	60	500	70056250	0,669	1
	60	600	70056260	0,776	1
316L	60	100	70066210	0,239	1
	60	150	70066215	0,293	1
	60	200	70066220	0,347	1
	60	300	70066230	0,454	1
	60	400	70066240	0,561	1
	60	500	70066250	0,669	1
	60	600	70066260	0,776	1

ETIM: EC002400

Tapa Cambio de Nivel CNV Click

Outside Riser Cover Click

Couvercle click changement de niveau

Tampa Descida CNV Click

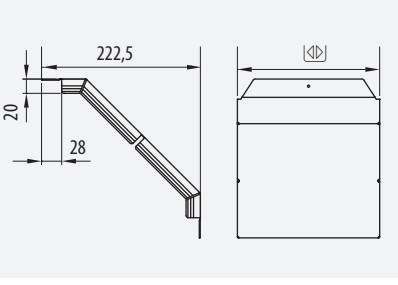




CLICK

35-60-100 • 60-600

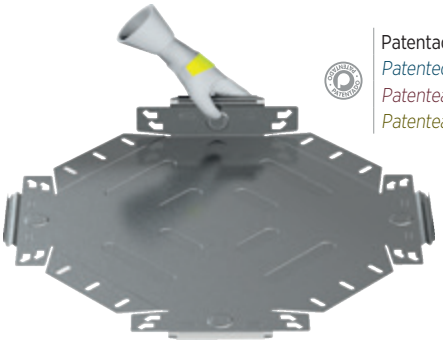
		Ref	kg/u	
PG	60	73026060	0,192	1
	100	73026100	0,204	1
	150	73026150	0,287	1
	200	73026200	0,431	1
	300	73026300	0,623	1
	400	73026400	0,816	1
	500	73026500	1,152	1
	600	73026600	1,372	1
GC	100	73036100	0,268	1
	150	73036150	0,376	1
	200	73036200	0,554	1
	300	73036300	0,802	1
	400	73036400	1,049	1
	500	73036500	1,297	1
	600	73036600	1,545	1
AZ+	60	82003853	0,0958	1
	100	82003854	0,2170	1
	150	82003855	0,3053	1
	200	82003856	0,3925	1
	300	82003857	0,5669	1
	400	82003858	0,9771	1
	500	82003859	1,2070	1
	600	82003860	1,4375	1



35-60-100 • 60-600

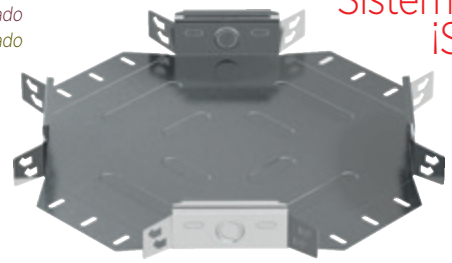
		Ref	kg/u	
304	100	73056100	0,170	1
	150	73056150	0,239	1
	200	73056200	0,308	1
	300	73056300	0,444	1
	400	73056400	0,583	1
	500	73056500	0,720	1
	600	73056600	0,858	1
316L	100	73066100	0,170	1
	150	73066150	0,239	1
	200	73066200	0,308	1
	300	73066300	0,444	1
	400	73066400	0,583	1
	500	73066500	0,720	1
	600	73066600	0,858	1

ETIM: EC002402



Patentado
Patented
Patenteado
Patenteado

PG AZ+



GC 304 316L

x 2 064

Sistema Click: ¡Sin Uniones!

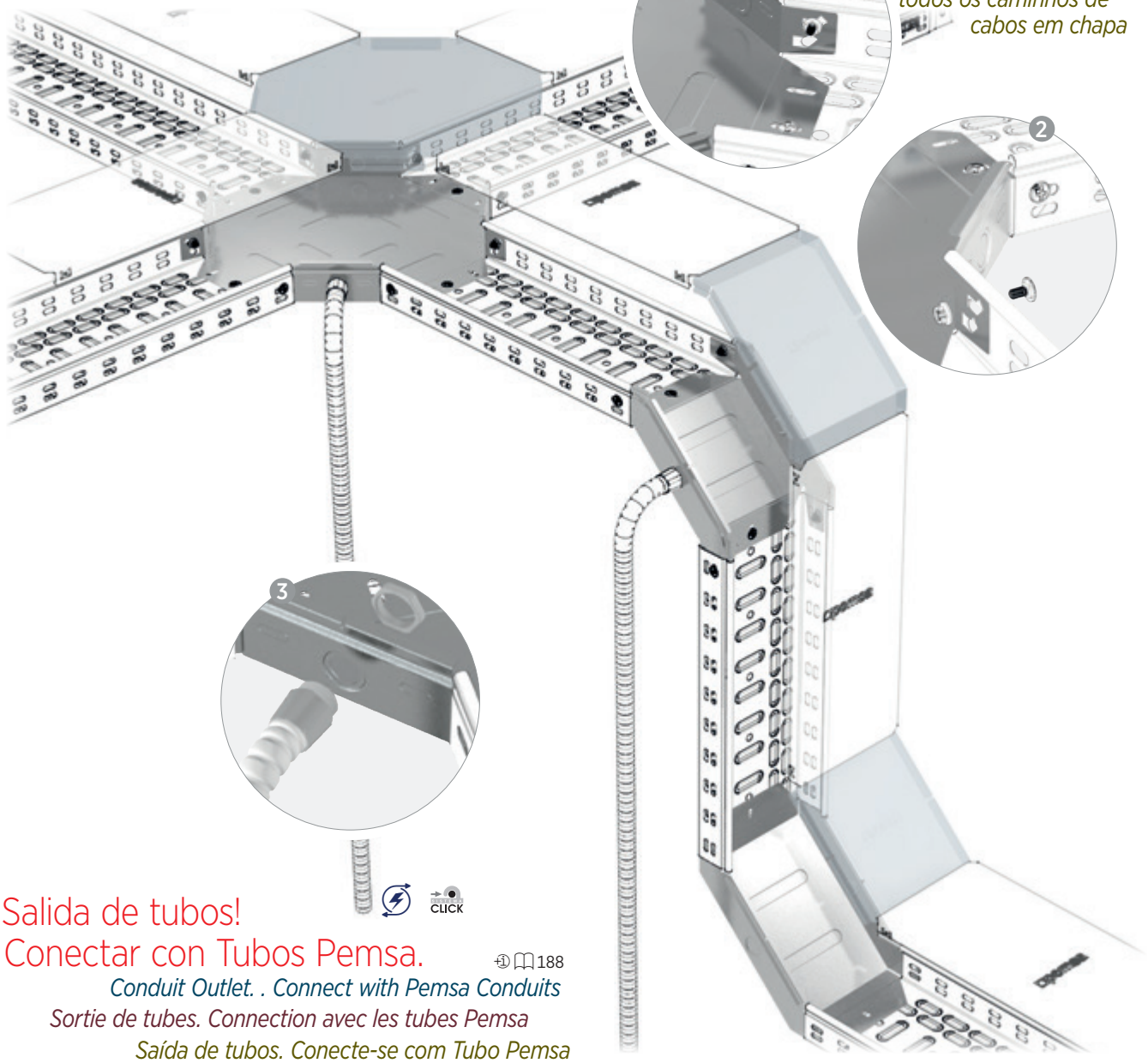
Click System: No couplers are required
Système click sans éclisses
Sistema Click: Sem Uniões

Se suministra plano. ¡Ahorro en transporte y espacio!

Supplied flat. Savings on transportation and space.
Un plan est fourni. Gain de place
Fornecido plano. Poupança em transporte e espaço

Sistema Universal patentado. Válido para cualquier bandeja de chapa

Patented Universal System. Applies to any cable trays
Système universel valable pour toutes nos dalles de chemins de câbles
Sistema Universal Patenteado. Válido para todos os caminhos de cabos em chapa



¡Salida de tubos! Conectar con Tubos Pemsa.

188

Conduit Outlet. . Connect with Pemsa Conduits
Sortie de tubes. Connection avec les tubes Pemsa
Saída de tubos. Conecte-se com Tubo Pemsa

pemsa

Reducción pemsaband®
Reducer pemsaband®
Réducteur pemsaband®
Redução pemsaband®

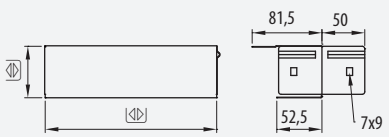




CLICK

[ ] • 35-60-100 • 100-600

S			Ref	kg/u	
PG	35	100	71021010	0,074	1
	35	150	71021015	0,109	1
	35	200	71021020	0,159	1
	35	300	71021030	0,237	1
	60	100	71022010	0,098	1
	60	150	71022015	0,138	1
	60	200	71022020	0,194	1
	60	300	71022030	0,285	1
	60	400	71022040	0,602	1
	60	500	71022050	0,746	1
	60	600	71022060	0,890	1
	100	100	71024010	0,223	1
	100	200	71024020	0,408	1
	100	300	71024030	0,583	1
	100	400	71024040	0,759	1
	100	500	71024050	0,934	1
	100	600	71024060	1,110	1
GC	35	100	71031010	0,092	1
	35	150	71031015	0,136	1
	35	200	71031020	0,199	1
	35	300	71031030	0,297	1
	60	100	71032010	0,122	1
	60	150	71032015	0,173	1
	60	200	71032020	0,243	1
	60	300	71032030	0,356	1
	60	400	71032040	0,632	1
	60	500	71032050	0,784	1
	60	600	71032060	0,935	1
	100	100	71034010	0,245	1
	100	200	71034020	0,429	1
	100	300	71034030	0,613	1
	100	400	71034040	0,797	1
	100	500	71034050	0,982	1
	100	600	71034060	1,166	1



[ ] • 35-60-100 • 100-600

S			Ref	kg/u	
AZ+	60	100	82003806	0,1038	1
	60	150	82003807	0,1469	1
	60	200	82003808	0,2065	1
	60	300	82003809	0,3029	1
	60	400	82003810	0,5047	1
	60	500	82003811	0,6255	1
	60	600	82003812	0,7463	1
304	60	100	71052010	0,080	1
	60	150	71052015	0,114	1
	60	200	71052020	0,161	1
	60	300	71052030	0,236	1
	60	400	71052040	0,297	1
	60	500	71052050	0,368	1
	60	600	71052060	0,439	1
316L	60	100	71062010	0,080	1
	60	150	71062015	0,114	1
	60	200	71062020	0,161	1
	60	300	71062030	0,236	1
	60	400	71062040	0,297	1
	60	500	71062050	0,368	1
	60	600	71062060	0,439	1

ETIM: EC001007

Curva Ajustable Click
Adjustable Bend Click
Courbe Ajustable Click
Curva Ajustável Click

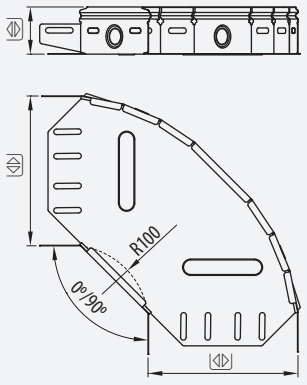




CLICK

[ ] • 35-60 • 100-300

S			Ref	kg/u	
PG	35	100	70028110	0,224	1
	35	150	70028115	0,361	1
	35	200	70028120	0,486	1
	35	300	70028130	0,849	1
	60	100	70028210	0,297	1
	60	150	70028215	0,448	1
	60	200	70028220	0,574	1
	60	300	70028230	0,965	1
GC	35	100	70038110	0,240	1
	35	150	70038115	0,386	1
	35	200	70038120	0,521	1
	35	300	70038130	0,910	1
	60	100	70038210	0,318	1
	60	150	70038215	0,480	1
	60	200	70038220	0,615	1
	60	300	70038230	1,034	1
304	60	100	70058210	0,212	1
	60	150	70058215	0,320	1
	60	200	70058220	0,410	1
	60	300	70058230	0,500	1



[ ] • 35-60 • 100-300

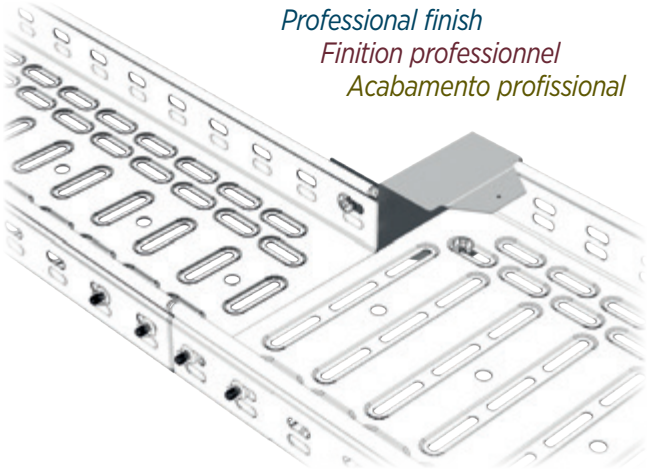
S			Ref	kg/u	
316L	60	100	70068210	0,212	1
	60	150	70068215	0,320	1
	60	200	70068220	0,410	1
	60	300	70068230	0,500	1

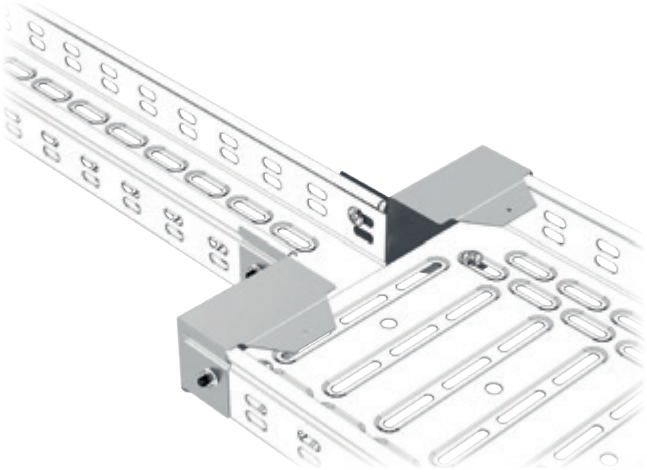
ETIM: EC002400

x 3 064

¡Acabado profesional!

Professional finish
Finition professionnel
Acabamento profissional

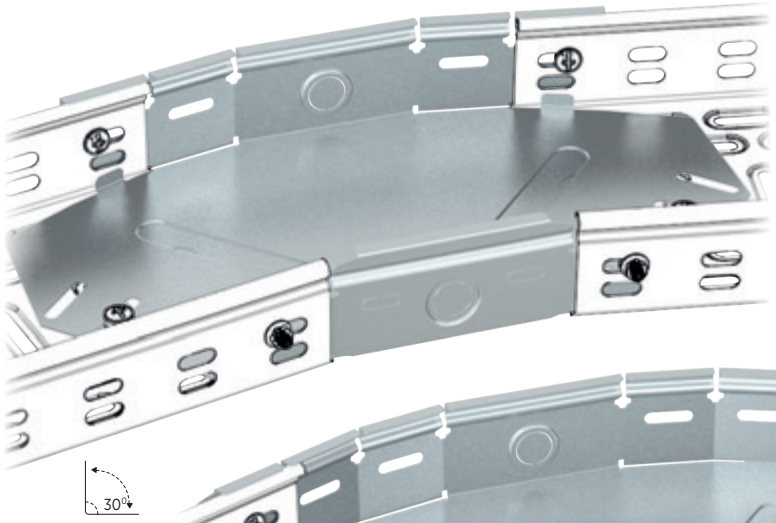


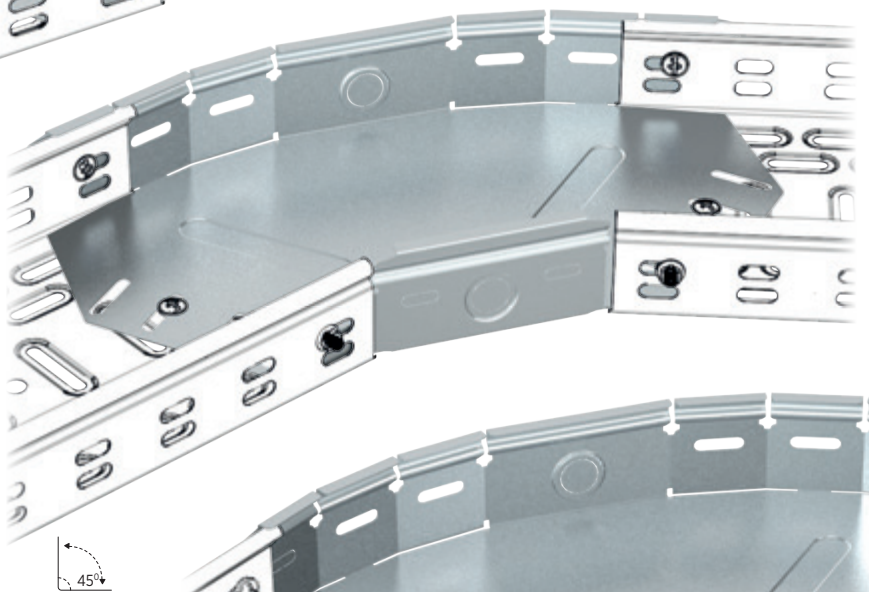


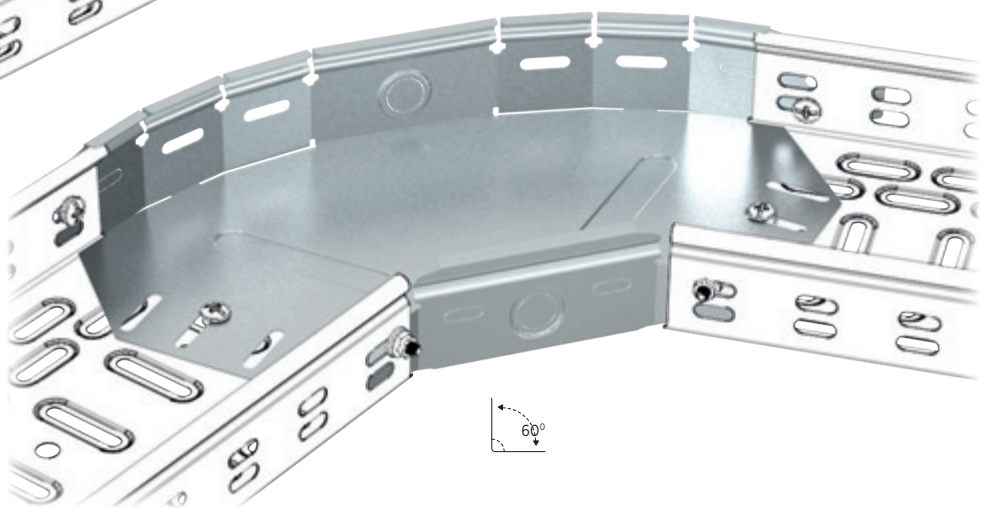
x 6 064

¡Ángulo Variable 0˚-90˚!

Adjustable Angle 0˚-90˚
Angle variable de 0º à -90º
Ângulo Variável 0˚-90˚







Tapa Final

End Cover

Couvercle de finition

Tampa final

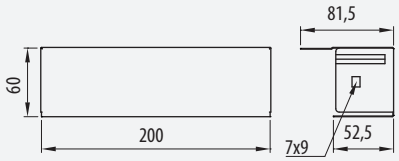




CLICK

• 35-60-100 • 100-600

			Ref	kg/u	
PG	35	100	71021010	0,074	1
	35	150	71021015	0,109	1
	35	200	71021020	0,159	1
	35	300	71021030	0,237	1
	60	100	71022010	0,098	1
	60	150	71022015	0,138	1
	60	200	71022020	0,194	1
	60	300	71022030	0,285	1
	60	400	71022040	0,602	1
	60	500	71022050	0,746	1
	60	600	71022060	0,890	1
	100	100	71024010	0,223	1
	100	200	71024020	0,408	1
	100	300	71024030	0,583	1
	100	400	71024040	0,759	1
	100	500	71024050	0,934	1
	100	600	71024060	1,110	1
GC	35	100	70039110	0,092	1
	35	150	70039115	0,136	1
	35	200	70039120	0,199	1
	35	300	70039130	0,297	1
	60	100	70039210	0,122	1
	60	150	70039215	0,173	1
	60	200	70039220	0,243	1
	60	300	70039230	0,356	1
	60	400	70039240	0,632	1
	60	500	70039250	0,784	1
	60	600	70039260	0,935	1
	100	100	70039410	0,245	1
	100	200	70039420	0,429	1
	100	300	70039430	0,613	1
	100	400	70039440	0,797	1
	100	500	70039450	0,982	1
	100	600	70039460	1,166	1
AZ+	60	100	82003806	0,1038	1
	60	150	82003807	0,1469	1
	60	200	82003808	0,2065	1
	60	300	82003809	0,3029	1
	60	400	82003810	0,5047	1
	60	500	82003811	0,6255	1
	60	600	82003812	0,7463	1



• 35-60-100 • 100-600

			Ref	kg/u	
304	60	100	71052010	0,080	1
	60	150	71052015	0,114	1
	60	200	71052020	0,161	1
	60	300	71052030	0,236	1
	60	400	71052040	0,297	1
	60	500	71052050	0,368	1
	60	600	71052060	0,439	1
316L	60	100	71062010	0,080	1
	60	150	71062015	0,114	1
	60	200	71062020	0,161	1
	60	300	71062030	0,236	1
	60	400	71062040	0,297	1
	60	500	71062050	0,368	1
	60	600	71062060	0,439	1

ETIM: EC001573

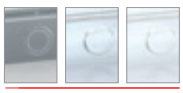
Esquina Universal

Universal Corner

Angle Universel

Canto Universal



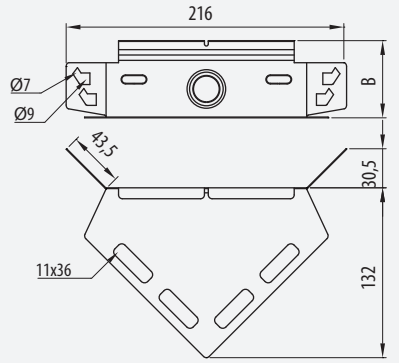


CLICK

• 35-60-100 • 100-600

	A	Ref	kg/u	
PG	35	70021100	0,106	1
	60	70021200	0,134	1
	85	70021300	0,165	1
	100	70021400	0,183	1
GC	35	70031100	0,114	1
	60	70031200	0,144	1
	85	70031300	0,177	1
	100	70031400	0,196	1
AZ+	60	82003790	0,166	1
304	60	70051200	0,096	1
316L	60	70061200	0,096	1

ETIM: EC002400



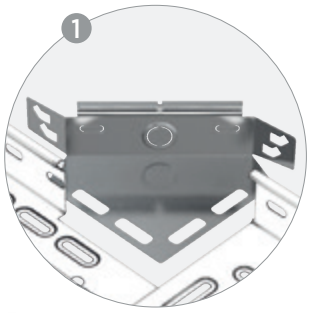
x 3 064

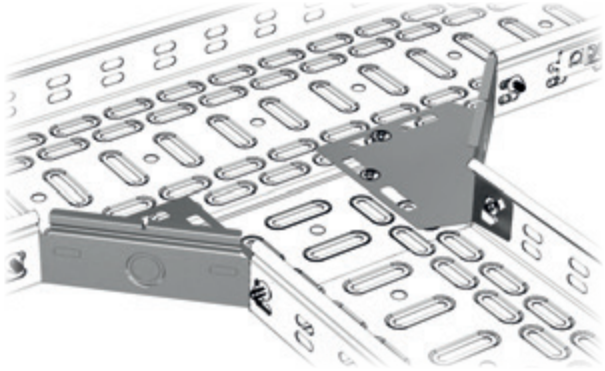


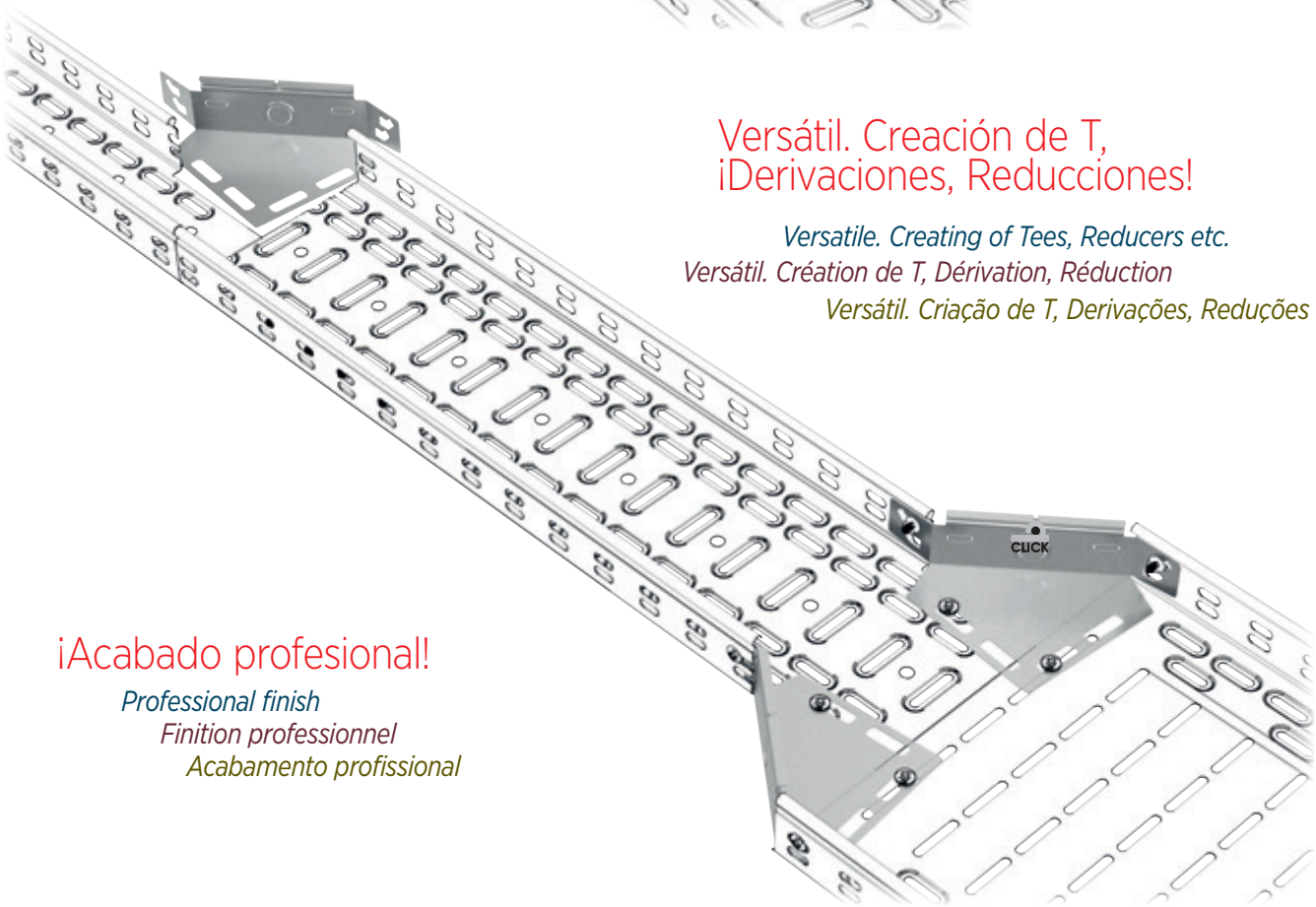
¡Acabado profesional!

Professional finish
Finition professionnel
Acabamento profissional

x 4 064







Versátil. Creación de T, ¡Derivaciones, Reducciones!

Versatile. Creating of Tees, Reducers etc.
Versátil. Création de T, Dérivation, Réduction
Versátil. Criação de T, Derivações, Reduções

¡Acabado profesional!

Professional finish
Finition professionnel
Acabamento profissional

SOLUTIONS

Petroquímica
Oil & Gas
Pétrochimique
Petroquimica

pemsaband® PQ

GC



IDEA

Tubos Rígidos Metálicos
Metal Rigid Conduits
Tubes Rigides Métalliques
Tubos Rígidos Metálicos

Metal RLGC - RRGC

GC

Alta Resistencia a la Corrosión
High Corrosion Resistance
Haute Résistance à la Corrosion
Alta Resistência a la Corrosão



IEC 61386 cod. 5557

196

Alta Resistencia. Instalaciones Industriales
High Resistance. Industrial Installations
Haute résistance pour installations industrielles
Alta Resistência. Instalações Industriais



IDEA

rejiband®

GC 304 316L

IEC 61537 · NEMA VE-1 · UL CERTIFIED · <50mΩ · E90 resistencia al fuego · AENOR · RoHS II

024

IDEA

Prensaestopas
Cable Glands
Presse étoupe
Bucims

IRIS



234

IEC 61537 · CE · RoHS II · UL CERTIFIED

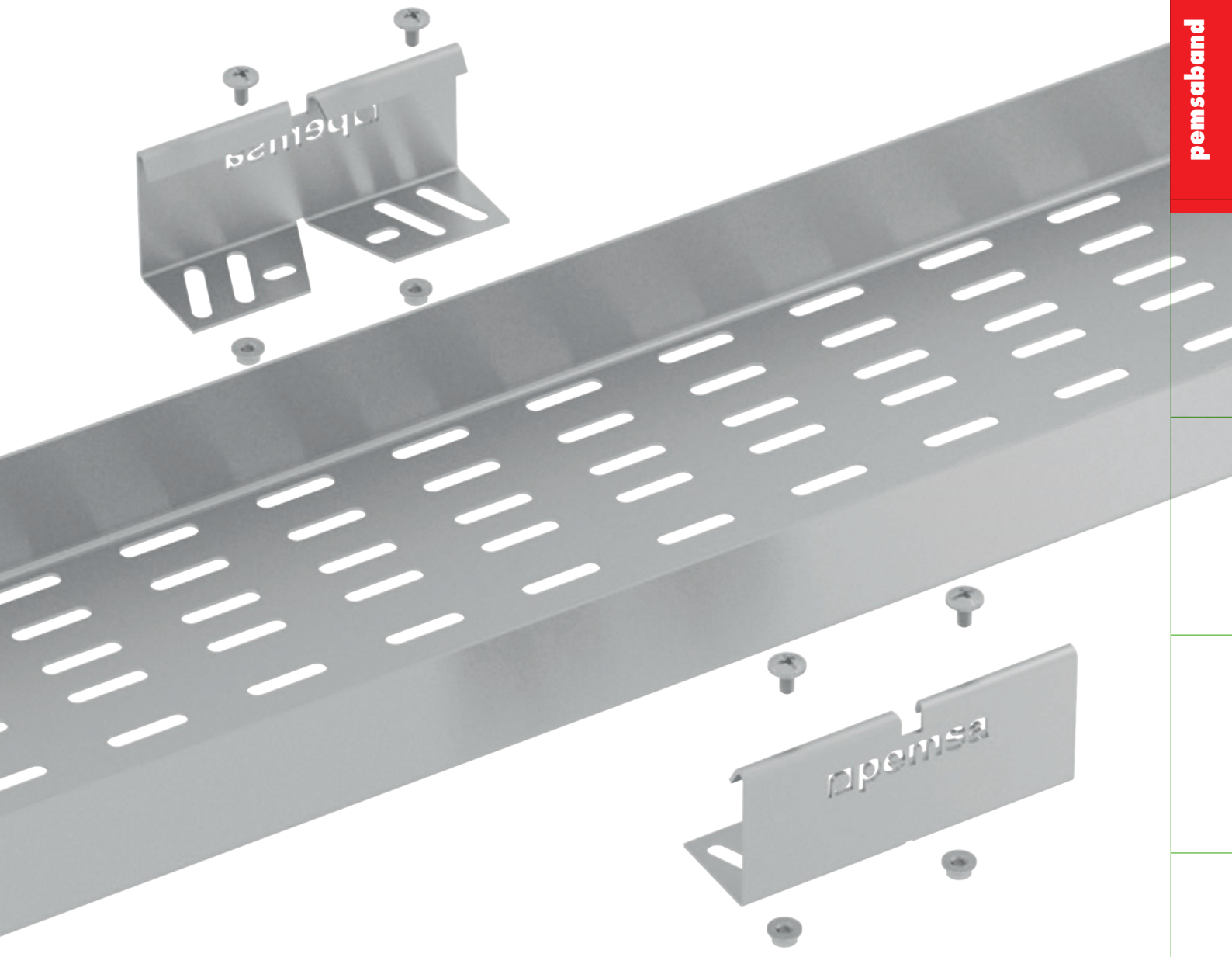
pemsaband® PQ

Perforated cable trays for industrial applications

Bandejas de chapa perforada para aplicaciones industriales

Chemins de câbles perforés pour applications industrielles

Caminhos de cabos perfurados para aplicações industriais







pemsaband® PQ

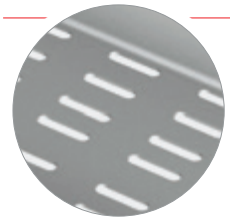
El diseño de Pemsa para la Industria Petroquímica

Pemsa design for the Oil & Gas Industry
Le design de Pemsa pour l'industrie Pétrochimique
Desenhado pela Pemsa para a Indústria Petroquímica

Ventajas y Características / *Advantages and features* / *Avantages et Caractéristiques* / *Vantagens e Caracteristícas*

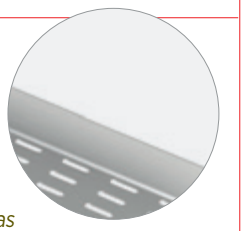
GC

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
Galvanizado a Quente. 85 microns. Classe 8 conforme IEC 61537



Multiples perforaciones.
Mejora la fijación de los cables
Multiple perforations.
Increases the fixings for the cables
Perforations multiples.
Facilite la fixation des cables
Múltiplas perfurações.
Melhor fixação dos cabos

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
Elevada espessura. 2 e 2,5 mm. Grandes cargas



AL

Aluminio 1050H24. Alta resistencia a la corrosión y excelentes propiedades mecánicas.
Aluminium 1050H24. High corrosion resistance and excellent mechanical properties.
Aluminium 1050H24. Haute résistance à la corrosion et excellentes propriétés mécaniques
Alumínio 1050H24. Alta resistência à corrosão e excelentes propriedades mecânicas.

Cumple con las especificaciones ESP-2208-5, ED-P-11-02
Complies with ESP-2208-5 and ED-P-11-02 specifications
Conforme specifications ESP-2208-5 et ED-P-11-02
Comforme especificações ESP-2208-5, ED-P-11-02

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Industria Petroquímica
Petrochemical Industry
Industrie Petrochemique
Indústria Petroquímica.



Oil & Gas



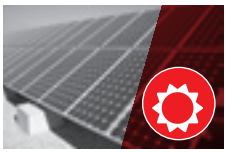
Offshore, Puertos
Offshore, Ports
Offshore, Ports
Offshore, Portos



Centrales de Energía
Energy Power Stations
Centrales d'énergie
Plantas de Energia



Minería y Cementera
Mining and Cement
Minière et Ciment
Mineração e Cimenteira



Energía Renovable
Renewable Energy
Énergies Renouvelables
Energias Renováveis

pemsa

pemsaband®

PQU - PQU AL

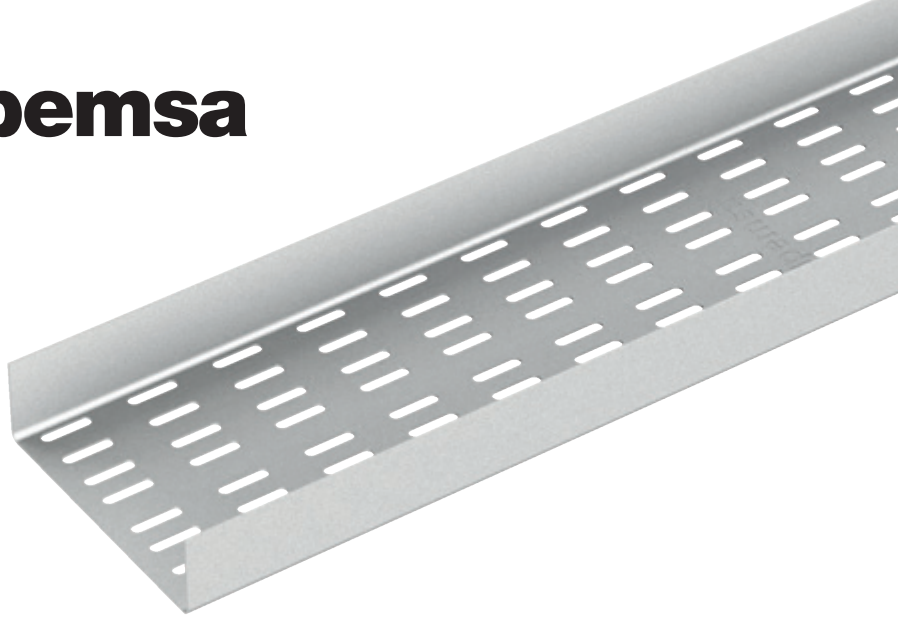
Bandeja perforada reforzada

Heavy Duty perforated cable Tray

Dalle de chemin de câbles perforée et renforcée

Calha perfurada reforçada

15, 30, 50, 60 • 100-600 • 2000-3000

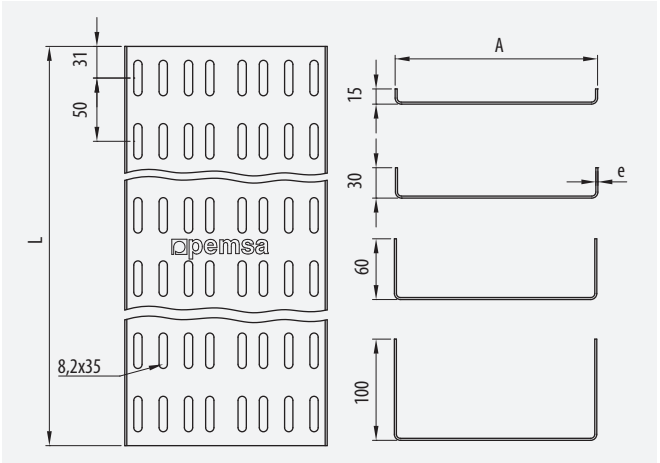


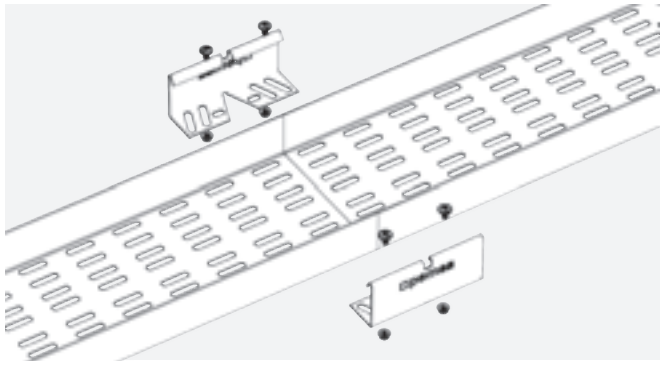
IEC 61537 CE CEPSA REPSOL

ETIM: EC000047

			GC	$e_{(mm)}$	kg/m	AL	$e_{(mm)}$	kg/m	
15	50	2000	76623005	2	1,127	-	-	-	2
	100	3000	76603010	2	1,761	-	-	-	3
	150	3000	76603015	2	2,463	-	-	-	3
	200	3000	76603020	2	3,164	-	-	-	3
	300	3000	76603030	2	4,568	-	-	-	3
30	50	3000	76603105	2	1,633	-	-	-	3
	100	3000	76603110	2	2,277	82000061	1,5	0,950	3
	100	3000	-	-	-	82003218	2,5	0,570	3
	150	3000	76603115	2	2,979	-	-	-	3
	200	3000	76603120	2	3,680	82000062	2,5	1,500	3
	300	3000	76603130	2	5,075	82000063	2,5	2,180	3
	400	3000	76603140	2	6,478	82000064	2,5	2,880	3
	500	3000	76603150	2	8,171	-	-	-	3
	600	3000	76603160	2	9,863	82000065	2,5	4,170	3
50	50	3000	-	-	-	82003217	1,5	0,520	3
	50	3000	76603205	2	2,281	82000072	2,5	0,870	3
60	100	3000	76603210	2	3,293	82000066	2,5	1,350	3
	100	3000	-	-	-	82003219	1,5	0,810	3
	150	3000	76603215	2	3,994	-	-	-	3
	200	3000	76603220	2	4,696	82000067	2,5	-	3
	300	3000	76603230	2	6,091	-	-	-	3
	400	3000	76603240	2	7,494	-	-	-	3
	500	3000	76603250	2	9,186	-	-	-	3
	600	3000	76603260	2	10,878	-	-	-	3
	-	-	-	-	-	82000068	2,5	2,580	3
	-	-	-	-	-	82000069	2,5	3,280	3
	-	-	-	-	-	82000070	2,5	4,570	3

Otras medidas o formatos consultar / *Please consult for other sizes* / *Autre dimensions ou formats, consulter* / *Consultar outras medidas ou formatos*
Bajo pedido / *On request* / *Sur demande* / *Por encomenda*







pemsaband®

PQW

Bandeja perforada reforzada

Heavy Duty perforated cable Tray

Dalle de chemin de câbles perforée et renforcée

Calha de chapa perfurada reforçada

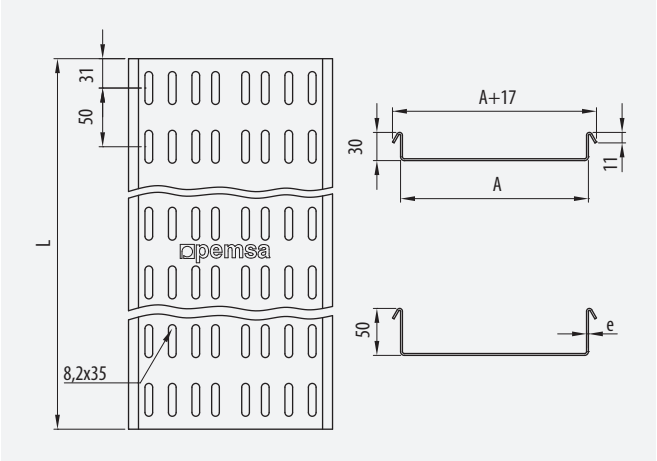
30, 50 • 100-600 • 2000-3000

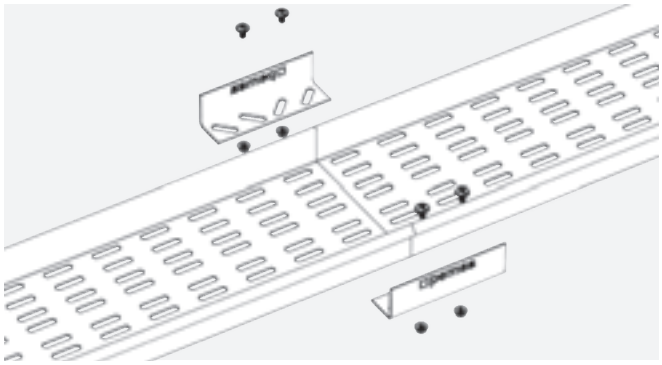
IEC 61537 CE REPSOL

ETIM: EC000047

		e(mm)		GC	kg/m	
30	100	2	3000	76643110	2,692	3
	150	2	3000	76643115	3,393	3
	200	2	3000	76643120	4,095	3
	100	2	2000	76663110	2,692	2
	150	2	2000	76663115	3,393	2
	200	2	2000	76663120	4,095	2
50	100	2	3000	76643210	3,368	3
	150	2	3000	76643215	4,071	3
	200	2	3000	76643220	4,772	3
	300	2	3000	76643230	6,176	3
	400	2	3000	76643240	7,579	3
	500	2	3000	76643250	9,271	3
	600	2	3000	76643260	10,963	3
	300	2,5	2000	76673230	7,546	2
	400	2,5	2000	76673240	9,274	2
	500	2,5	2000	76673250	11,361	2
	600	2,5	2000	76673260	13,444	2

Bajo pedido / *On request* / *Sur demande* / *Por encomenda*





pemsa

Kit Unión pemsaband®

pemsaband® Joint Kit

Kit d'union pemsaband®

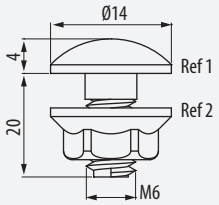
Kit União pemsaband®



[ ] • [ ] 15-30-50-60 • [ ] 50-600

	M	Ref 1	Ref 2	kg/u	
GC	M6x20+M6	67030100	64030059	0,010	100
316*	M6x20+M6	67060100	64060059	0,007	100

* Adecuado para Aluminio, *Suitable for Alumminium, Approprié pour Aluminium, Adequado para Alumínio:* AL



ETIM: EC002935

Unión PQ

PQ Joint

Union PQ

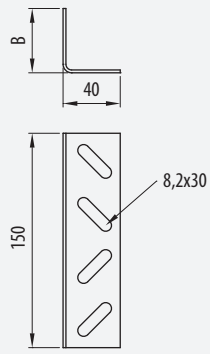
União PQ



[ ] • [ ] 15-30-50-60 • [ ] 50-600

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

ETIM: EC002413

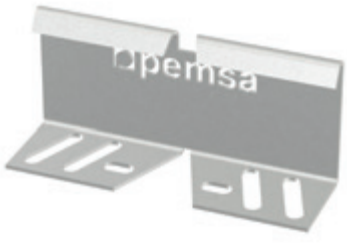


Unión PQU

PQU Joint

Union PQU

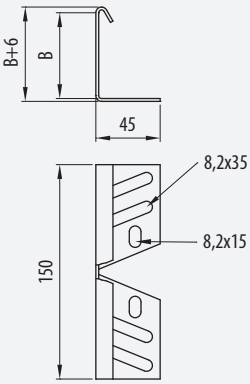
União PQU



[ ] • [ ] 15-30-50-60 • [ ] 50-600

	B	Ref	kg/u	
GC	15	70293000	0,147	10
	30	70293001	0,177	10
	50	70293002	0,228	10
	60	70293003	0,254	10
AL	30	82002289	0,060	1
	60	82002290	0,084	1

ETIM: EC002413



Tabique Separador Click

Click Divider

Cloison de séparation Click

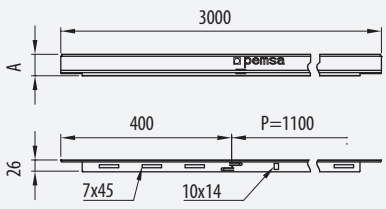
Placa Separadora Click



[ ] • [ ] 30-50-60 • [ ] 100-600

	A	Ref	kg/u	
GC	25	67030610	0,261	60
	50	67030611	0,384	48
	80	67030612	0,541	36
316L	25	67060610	0,207	60
	50	67060611	0,305	48
	80	67060612	0,430	36

ETIM: EC001000



Fijación tapa PQ AL

Cover fixing PQ AL

Fixation de la couverture PQ AL

Fixação da tampa PQ AL

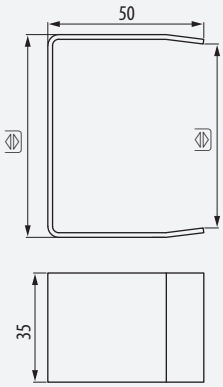


IEC 61537 CE CEPSA

[ ] • [ ] 35-50-60 • [ ] 50-600

S		Ref	kg/u	
304	30	82002291	0,054	10
	50	82002293	0,062	10
	60	82002292	0,066	10

ETIM: EC002413



Tapa Recta PQU

PQU Straight Cover

Couvercle droit PQU

Tampa PQU



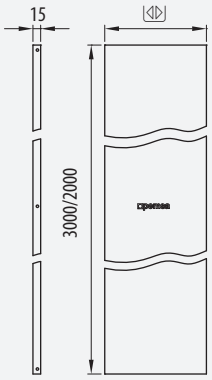


IEC 61537 CE CEPSA REPSOL

[ ] • [ ] 15-30-50-60 • [ ] 50-600

S	[ ]	L	Ref	kg/m	
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
	300	2000	70393030	5,501	2
	400	2000	70393040	7,193	2
	500	2000	70393050	8,885	2
	600	2000	70393060	10,577	2
AL	100	3000	82002294	0,510	3
	200	3000	82002295	0,910	3
	300	3000	82002296	1,320	3
	400	3000	82002297	1,720	3
	600	3000	82002298	2,530	3

ETIM: EC002403



GC: Espesor / *Thickness* / *Épassieur* / *Espessura* = 2 mm

AL: Espesor / *Thickness* / *Épassieur* / *Espessura* = 2,5 mm

Tapa Recta PQW

PQW Straight Cover

Couvercle droit PQW

Tampa PQW

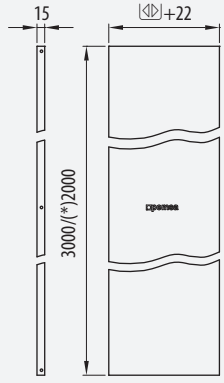


IEC 61537 CE CEPSA REPSOL

[ ] • [ ] 30-50 • [ ] 50-600

S	[ ]	L	Ref	kg/m	
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
	500	2000	70393250	9,191	2
	600	2000	70393260	10,882	2

ETIM: EC002403



Espesor / *Thickness* / *Épassieur* / *Espessura* = 2 mm

Curva 90° PQ

90° PQ Bend

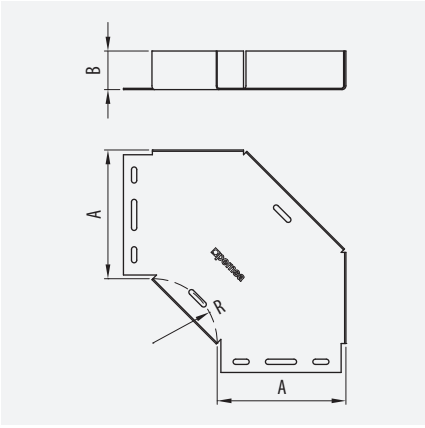
Courbe 90° PQ

Curva 90° PQ



15-30-50-60 • 50-600

	B	A	Ref	kg/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



GC-R100 / AL-R200

30-60 • 50-600

	B	A	Ref	kg/u	
AL	30	100	82002261	0,59	1
	30	200	82002262	1,08	1
	30	300	82002263	1,72	1
	30	400	82002264	2,40	1
	30	600	82002265	4,22	1
	60	100	82002266	0,75	1
	60	200	82002267	1,27	1
	60	300	82002268	1,95	1
	60	400	82002269	2,66	1
	60	600	82002270	4,55	1

ETIM: EC002400

Tapa Curva 90° PQ

90° PQ Bend Cover

Couvercle 90° PQ

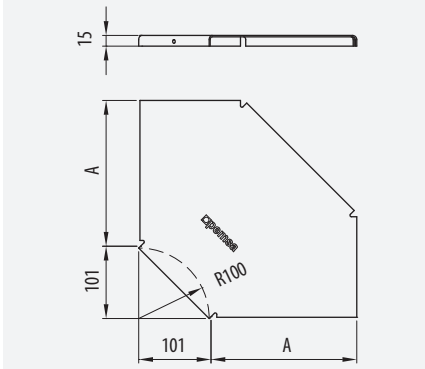
Tampa Curva 90° PQ



15-30-50-60 • 50-600

	A	Ref	kg/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

ETIM: EC001569



IDEA

megaband® CPS

AL

Bandeja de escalera de aluminio para grandes cargas y ambientes agresivos

Aluminium heavy duty cable ladder tray for aggressive environments

Echelle à câbles en aluminum pour charges lourdes et environnements agressifs

Calha de escada de aluminio para grandes cargas e e ambientes agressivos



Curva 45° PQ

45° PQ Bend

Courbe 45° PQ

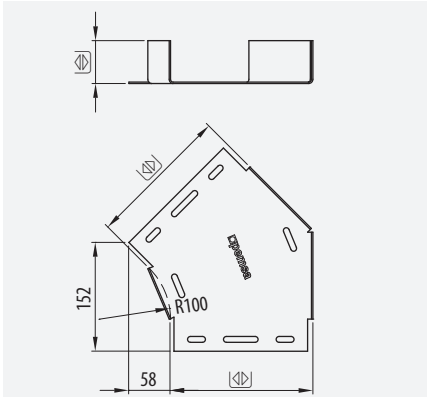
Curva 45° PQ



• 15-30-50-60 • 50-600

S			Ref	kg/u	u
	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
GC	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

ETIM: EC002400



Derivacion T PQ

PQ Tee

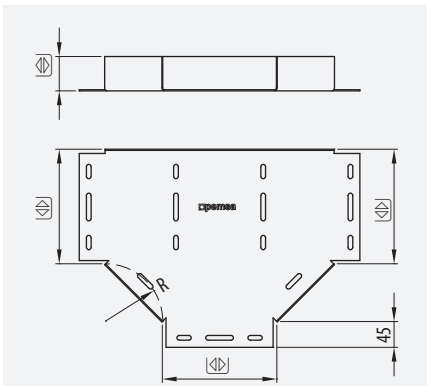
Dérivation T PQ

Derivação T PQ



• 15-30-50-60 • 50-600

S			Ref	kg/u	u
	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
GC	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



GC-R100 / AL-R200

• 30-60 • 50-600

S			Ref	kg/u	u
	30	100	82002271	1,000	1
	30	200	82002272	1,710	1
	30	300	82002273	2,550	1
	30	400	82002274	3,520	1
AL	30	600	82002275	5,890	1
	60	100	82002276	1,220	1
	60	200	82002277	1,950	1
	60	300	82002278	2,810	1
	60	400	82002279	3,800	1
	60	600	82002280	6,200	1

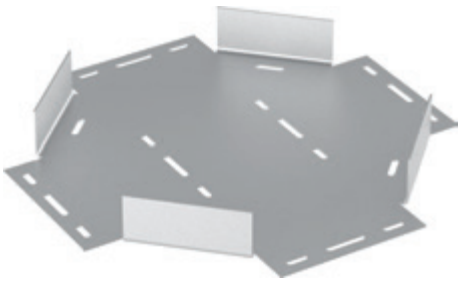
ETIM: EC002401

Cruce PQ

PQ Crossover

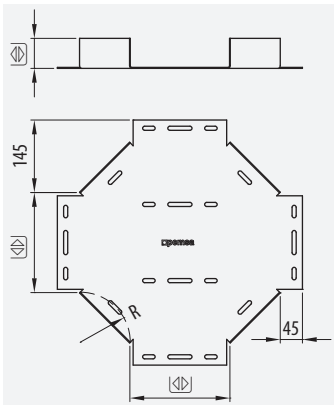
Croisement PQ

Cruzeta PQ



[ ] • 15-30-50-60 • 50-600

S			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



GC-R100 / AL-R200

[ ] • 15-30-50-60 • 50-600

S			Ref	kg/u	
AL	30	100	82002251	1,440	1
	30	200	82002252	2,300	1
	30	300	82002253	3,280	1
	30	400	82002254	4,400	1
	30	600	82002255	7,050	1
	60	100	82002256	1,670	1
	60	200	82002257	2,520	1
	60	300	82002258	3,510	1
	60	400	82002259	4,630	1
	60	600	82002260	7,280	1

ETIM: EC001542



IEC 61537 CE CEPSA REPSOL

Reducción Central PQ

PQ Equal Reducer

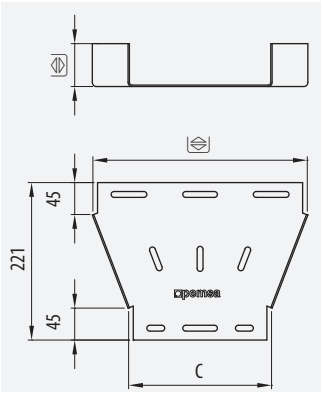
Réduction centrale PQ

Redução Central PQ



[ ] • 15-30-50-60 • 50-600

S			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
AL	30	200	100	82002281	0.260	1
	30	300	200	82002282	0.400	1
	30	400	300	82002283	0.550	1
	30	600	400	82002284	0.770	1
	60	200	100	82002285	0.320	1
	60	300	200	82002286	0.460	1
	60	400	300	82002287	0,600	1
	60	600	400	82002288	0,840	1



ETIM: EC001007



IEC 61537 CE CEPSA REPSOL

Cambio de Nivel CNC PQ

PQ Inside Riser

Change-ment de niveau CNC PQ

Subida CNC PQ

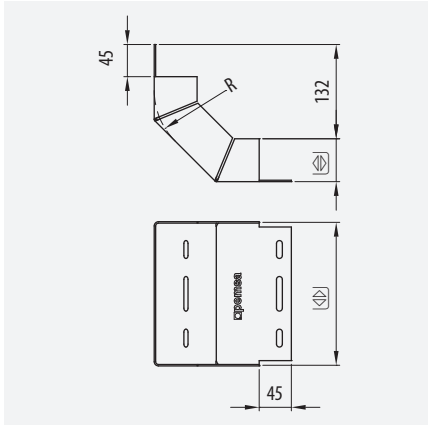




IEC 61537 CE CEPSA REPSOL

• 15-30-50-60 • 50-600

S			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



GC-R100 / AL-R200

• 30-60 • 50-600

S			Ref	kg/u	u
AL	30	100	82002348	0,420	1
	30	200	82002349	0,730	1
	30	300	82002350	1,040	1
	30	400	82002351	1,350	1
	30	600	82002352	1,970	1
	60	100	82002353	0,580	1
	60	200	82002354	0,910	1
	60	300	82002355	1,230	1
	60	400	82002356	1,550	1
	60	600	82002357	2,210	1

ETIM: EC002400

Tapa CNC PQ

PQ Inside Riser Cover

Couvercle CNC PQ

Tampa CNC PQ

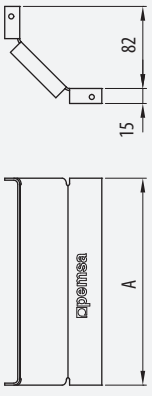


IEC 61537 CE

• 15-30-50-60 • 50-600

S	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

ETIM: EC002402

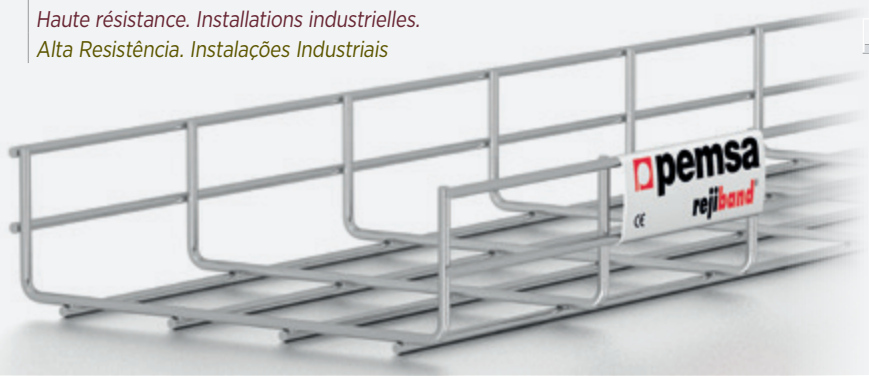


Alta Resistencia. Instalaciones Industriales

High Resistance. Industrial Installations

Haute résistance. Installations industrielles.

Alta Resistência. Instalações Industriais



IDEA

rejiband®

GC 304 316L

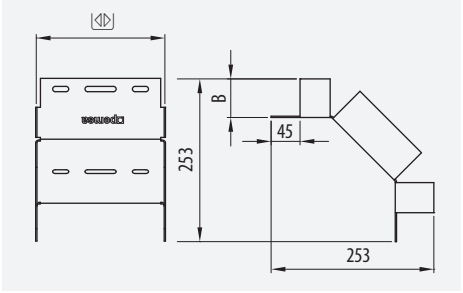
IEC 61537 N.VE-1 UL CERTIFIED

<50mΩ E90 AENOR RoHS

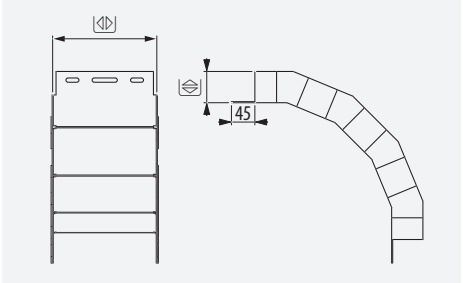
133

Cambio de Nivel CNV PQ

PQ Outside Riser
Changement de niveau CNV PQ
Port Descida CNV PQ ugués



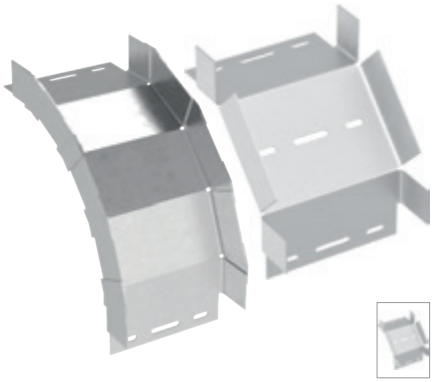
GC-R100



AL-R200

[ ] • 15-30-50-60 • 50-600

S	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



IEC 61537 CE CEPSA REPSOL

[ ] • 30-60 • 50-600

S	B	A	Ref	kg/u	u
AL	30	100	82002358	0,550	1
	30	200	82002359	0,900	1
	30	300	82002360	1,240	1
	30	400	82002361	1,570	1
	30	600	82002362	2,260	1
	60	100	82002363	0,800	1
	60	200	82002364	1,140	1
	60	300	82002365	1,480	1
	60	400	82002366	1,820	1
	60	600	82002367	2,500	1

ETIM: EC002400

Tapa CNV PQ

PQ Outside Riser Cover
Couvercle CNV PQ
Tampa Descida CNV PQ

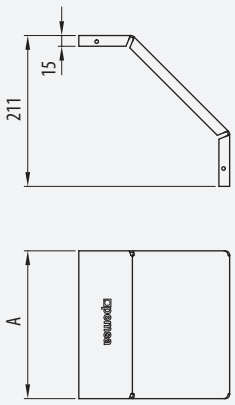


IEC 61537 CE

[ ] • 15-30-50-60 • 50-600

S	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

ETIM: EC002402



IDEA

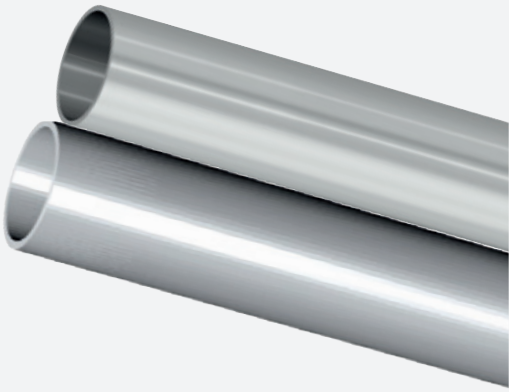
Metal RAL - RINOX

AL	304

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

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

IEC 61386 cod. 4456



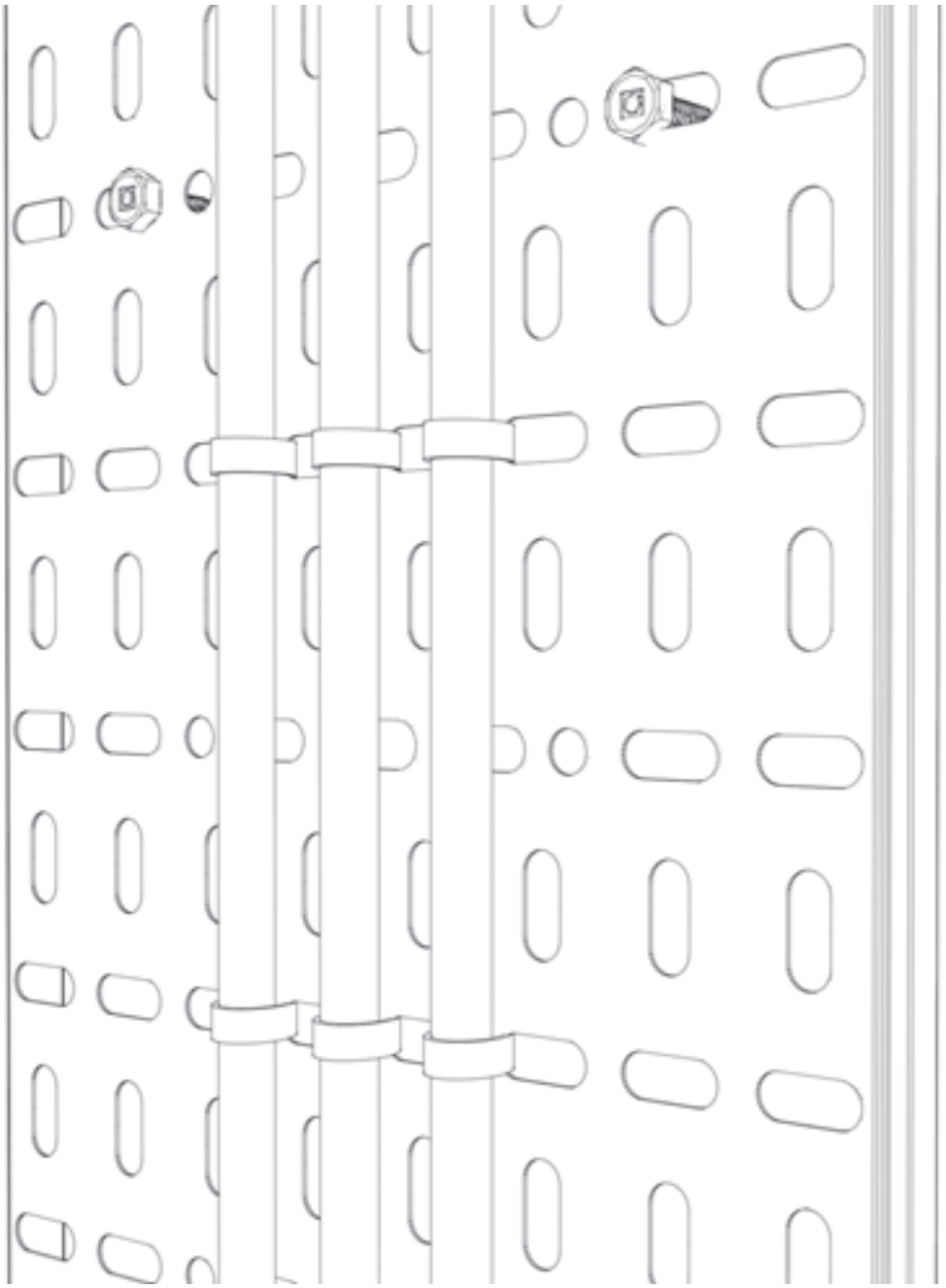
pemsaband® MARINE

Bandeja de Chapa perforada para Aplicaciones Navales

Perforated Cable tray for Marine Applications

Dalle de Chemin de Câbles perforée pour l´Industrie Navale

Calha de Chapa perfurada para Aplicações Navais







pemsaband® MARINE

Bandeja de Chapa perforada para Aplicaciones Navales

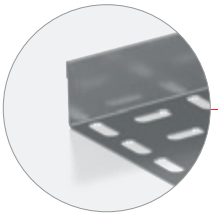
Perforated Cable tray for Marine Applications

Dalle de Chemin de Câbles perforée pour l´Industrie Navale

Calha de Chapa perfurada para Aplicações Navais

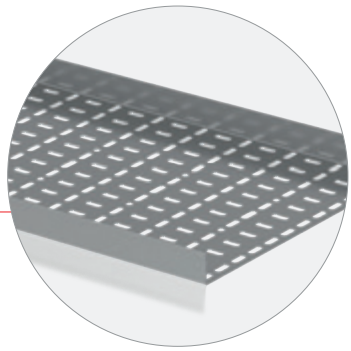
Ventajas y Características / *Advantages and features* / *Avantages et Caractéristiques* / *Vantagens e Caracteristícas*

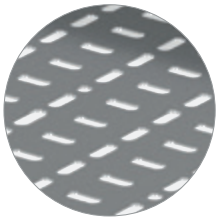
Ala 10, 15, 30 mm para espacios reducidos
10, 15 30 mm height for confined spaces
Hauteur 10, 15, 30 mm pour espaces confinés.
Altura 10, 15, 30 mm para espaços reduzidos



Amplia gama de medidas
Wide range of sizes
Large gamme de largeurs
Amplia gama de medidas

50-600





Multiples perforaciones.
Mejora la fijación de los cables
Multiple perforations.
Increases the fixings for the cables
Perforations multiples.
Facilite la fixation des cables
Múltiplas perfurações.
Melhor fixação dos cabos

PG | 304

Amplia gama de acabados
Wide range of finishes and coatings
Large gamme de finitions et revêtements
Amplia gama de acabamentos



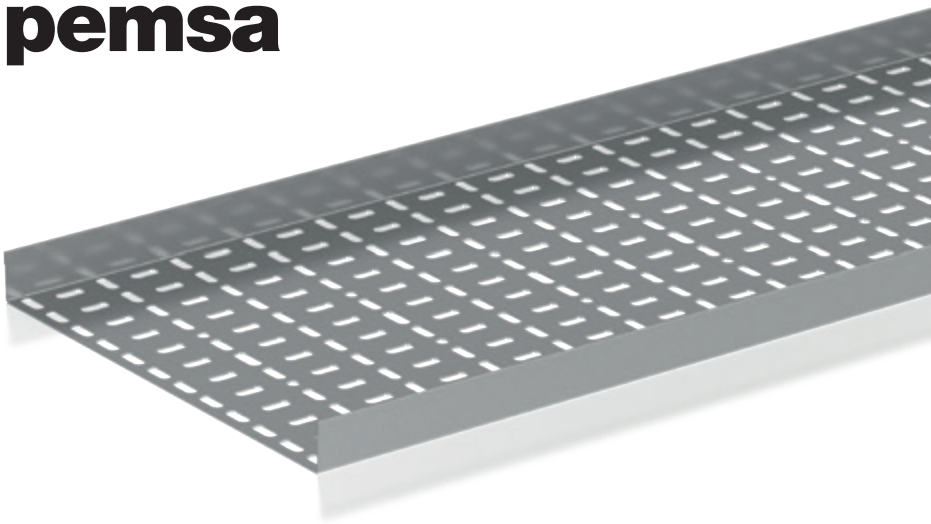
Offshore, Puertos
Offshore, Ports
Offshore, Ports
Offshore, Portos



Industria Naval
Marine Industry
Industrie Navale
Indústria Naval

pemsa

pemsaband® MARINE



Bandeja de Chapa perforada para Aplicaciones Navales

Perforated Cable tray for Marine Applications

Dalle de Chemin de Câbles perforée pour l´Industrie Navale

Calha de Chapa perfurada para Aplicações Navais

10, 15, 30 • 50-600 • 2000

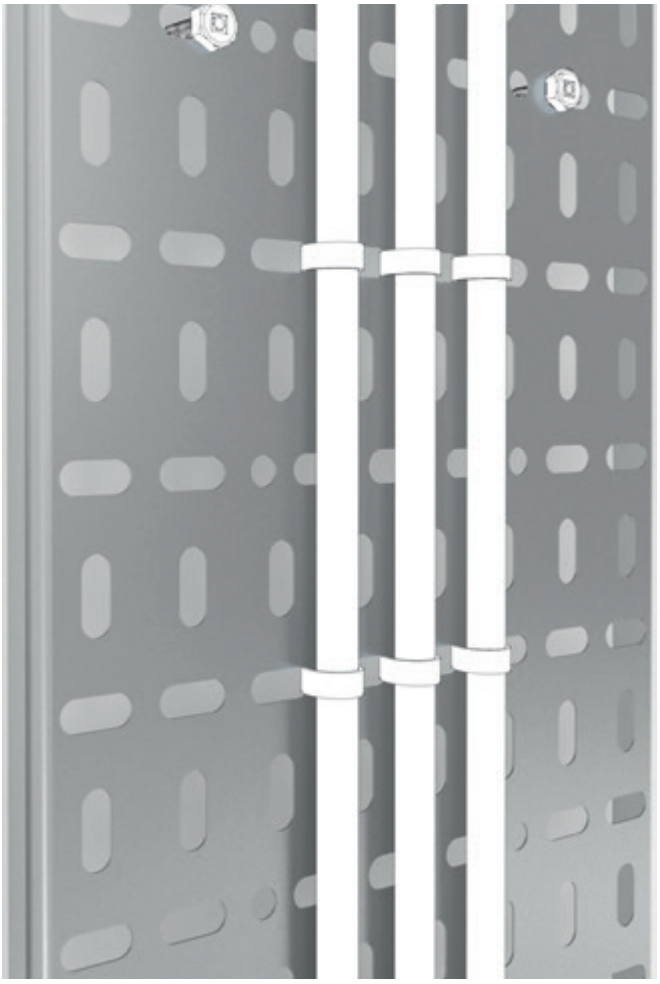
CE IEC 61537 RoHS

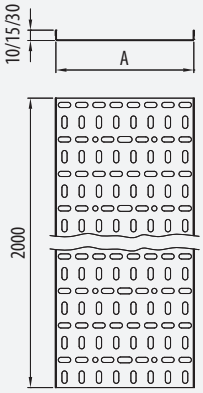
ETIM: EC000047

		PG	304	kg/m	
10	50	76801105	76805105	0,400	16
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15	100	76801210	76805210	0,670	16
	150	76801215	76805215	0,890	8
	200	76801220	76805220	1,110	8
30	250	76801325	76805325	1,710	4
	300	76801330	76805330	1,960	4
	400	76801340	76805340	2,460	4
	500	76801350	76805350	3,700	4
	600	76801360	76805360	4,330	4

	20J	-50°/ 150°	OK

Hot Dip Galvanised and Stainless steel 316L under request.





Kit Unión pemsaband®
pemsaband® *Joint Kit*
Éclisse ***pemsaband®***
Kit União ***pemsaband®***



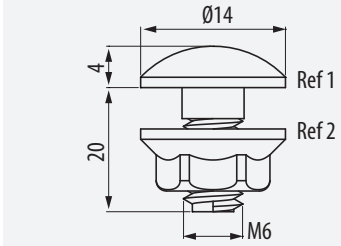
• 10,15,30 • 50-600

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

• 10,15,30 • 50-600

S		Ref 1	Ref 2	u
316L	M6x12+M20	67060099	64060059	100

ETIM: EC002935



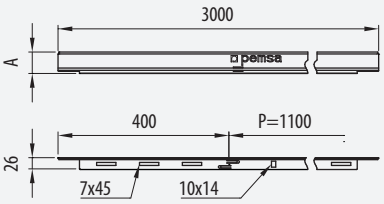
Tabique Separador Click
Click Divider
Cloison de séparation Click
Placa Separadora Click



• 35-60-85-100 • 60-600

S	A	Ref	kg/u	u
PG	25	67020610	0,212	60
	50	67020611	0,312	48
	80	67020612	0,444	36
304	25	67050610	0,207	60
	50	67050611	0,305	48
	80	67050612	0,430	36

ETIM: EC001000



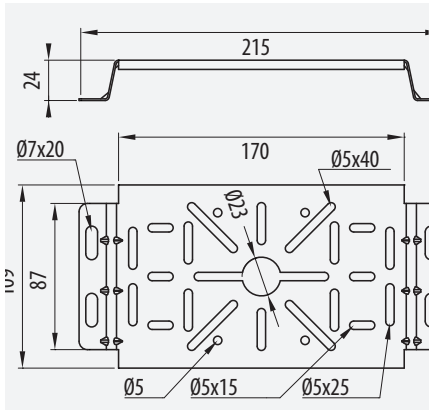
Soporte Universal pemsaband®
pemsaband® *Universal Bracket*
Support Universel ***pemsaband®***
Suporte Universal ***pemsaband®***



• 35-60-85-100 • 60-600

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

ETIM: EC000022



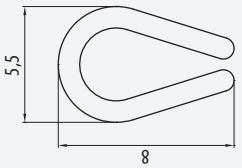
Perfil de Protección pemsaband®
pemsaband® *Profile Protector*
Profil de Protection ***pemsaband®***
Perfil de Protecção ***pemsaband®***



• 35-60-85-100 • 60-600

Ref	kg/u	u
71000000	0,032	25

ETIM: EC002935



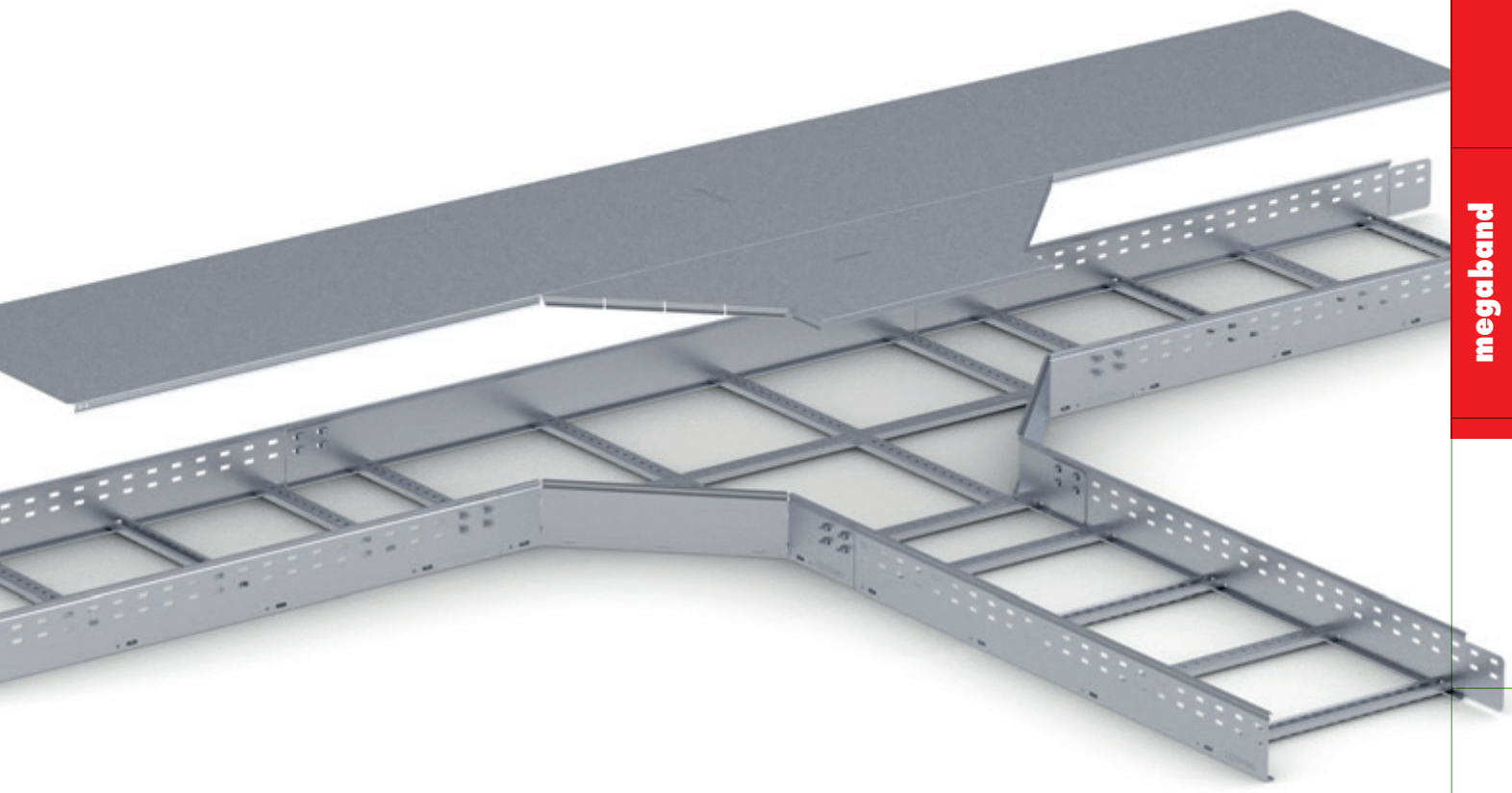
megaband®

Bandeja de escalera para aplicaciones industriales

Ladder for industrial applications

Echelle à câbles pour applications industrielles

Calha de escada para aplicações industriais



pemsa

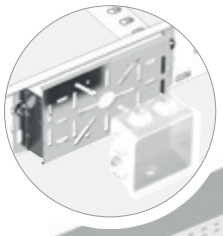
megaband®

Sistema de Bandejas de Escalera

Cable Ladder System

Système d'échelle à câbles

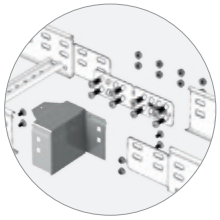
Sistema de Calha de Escada



116

Cambio de Nivel CNV
90° Outside Riser
Changement de niveau (descente) CNV
Descida CNV

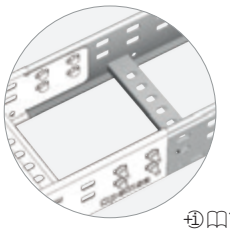
129



131

Cambio de Nivel CNC
90° Inside Riser
Changement de niveau CNC
Subida CNV

128

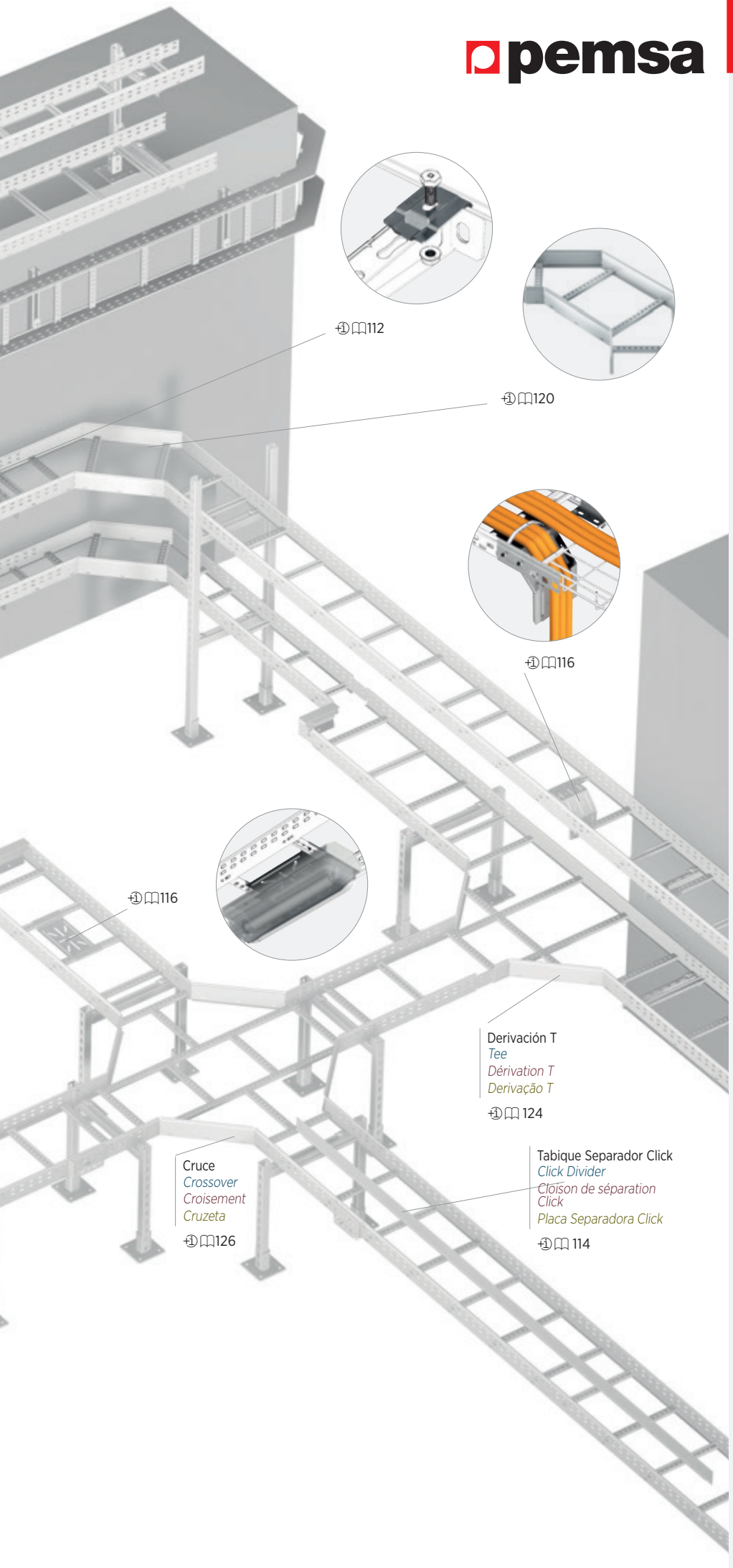


112

Cambio de Nivel Articulado
Articulated Riser Section
Changement de niveau articulé
Curva Vertical Articulada

130

megaband®			L	PG	GC	304	316L
	60	100-1000	3000	•	•	•	•
	100	100-1000	3000	•	•	•	•
	120	100-1000	3000	•	•	•	•
	150	100-1000	3000	•	•		
	60	100-1000	6000		•		
	100	100-1000	6000		•		
	120	100-1000	6000		•		



112

120

116

116

Derivación T
Tee
Dérivation T
Derivação T

124

Cruce
Crossover
Croisement
Cruzeta

126

Tabique Separador Click
Click Divider
Cloison de séparation Click
Placa Separadora Click

114

Normas Internacionales:
International Standards:
Normes internationales:
Normas Internacionais:

Norma internacional de Bandejas
International standard of Cable trays
Norme internationale de Chemins de câbles
Norma internacional de Calhas

Norma Nema VE-1
Nema VE-1 Standard
Norme Nema VE-1

Resistencia al fuego
DIN 4102-12 Fire Resistance
Résistance au feu
Resistência ao fogo

Marcado N AENOR IEC 61537
AENOR N Mark IEC 61537
Marquage N AENOR IEC 61537

RoHS 2002/95/CE
WEEE 2012/19/UE
Respect de la RoHS 2002/95/CE

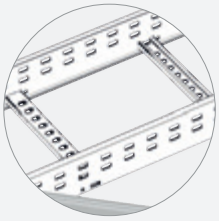
ISO 9001 IQNET

Producto patentado
Patented product
Produit breveté
Producto patenteado

London Underground



Sistema Click de unión rápida
Quick Click Joint System
Système Click de connexion rapide
Sistema Click de união rápida



Travesaños alternos
Alternate reversed rungs
Traverses alternées
Travesas com disposição alternada



Borde de seguridad
Safety edge
Bord de sécurité
Bordo de seguridade

pemsa



megaband®

Bandejas de Escalera para entornos industriales

Cable ladder for industrial applications

Echelle à câbles pour environnements industriels

Calha de Escada para ambientes industriais

Ventajas y Características / *Advantages and features* / *Avantages et Caractéristiques* / *Vantagens e Caracteristícas*

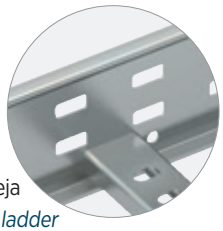


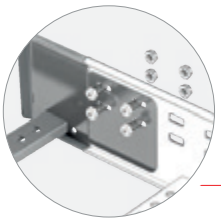
Sistema Click de unión rápida
Quick Click Joint System
Système Click d'union rapide
Sistema Click de união rápida

CLICK

PG	GC	304	316L

Amplia gama de acabados
Wide range of finishes and coatings
Large gamme de finitions et revêtements
Amplia gama de acabamentos





Sistema Click de unión rápida en accesorios
Quick Click Joint System on accessories
Système Click d'union rapide des accéssoires
Sistema Click de união rápida em accesórios

Borde de seguridad. Protege y fortalece la bandeja
Safety edge. Protects and strengthens the cable ladder
Bord de sécurité. Protège et renforce l'ensemble
Bordo de seguridade. Protege e fortalece a calha



Básica de Transformación
Processing Industry
I. de Transformation
I. de Processamento



Industria Alimentaria
Food Industry
Industrie Alimentaire
Indústria de Alimentos



Industria Petroquímica
Petrochemical Industry
Industrie Petrochemique
Indústria Petroquímica



Oil & Gas



Offshore, Puertos
Offshore, Ports
Offshore, Ports
Offshore, Portos



Industria Naval
Marine Industry
Industrie Navale
Indústria Naval



Centrales de Energía
Energy Power Stations
Centrales d'énergie
Plantas de Energia



Tratamiento de Agua
Water Treatment
Traitement de l'eau
Tratamento de água



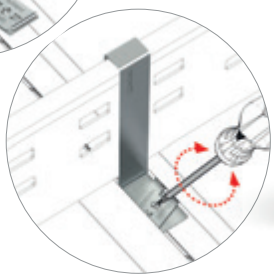
Minería y Cementera
Mining and Cement
Minière et du Ciment
Mineração e Cimenteira



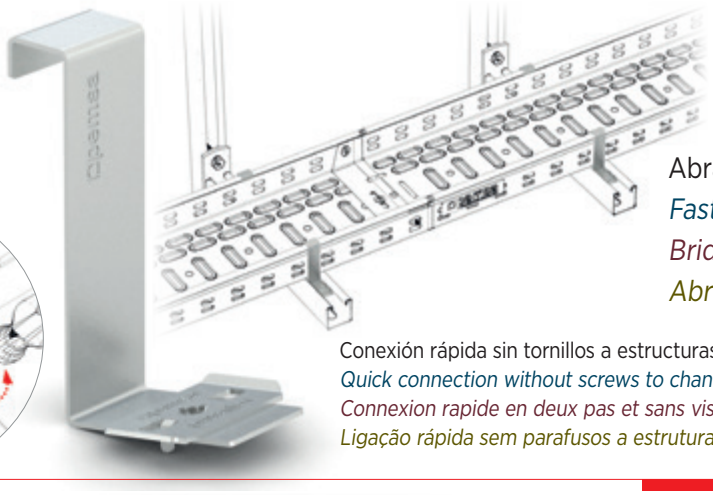
Energías Renovables
Renewables Energies
Énergies Renouvelables
Energias Renováveis

Novedades *News Nouveautés Novidades* NEW





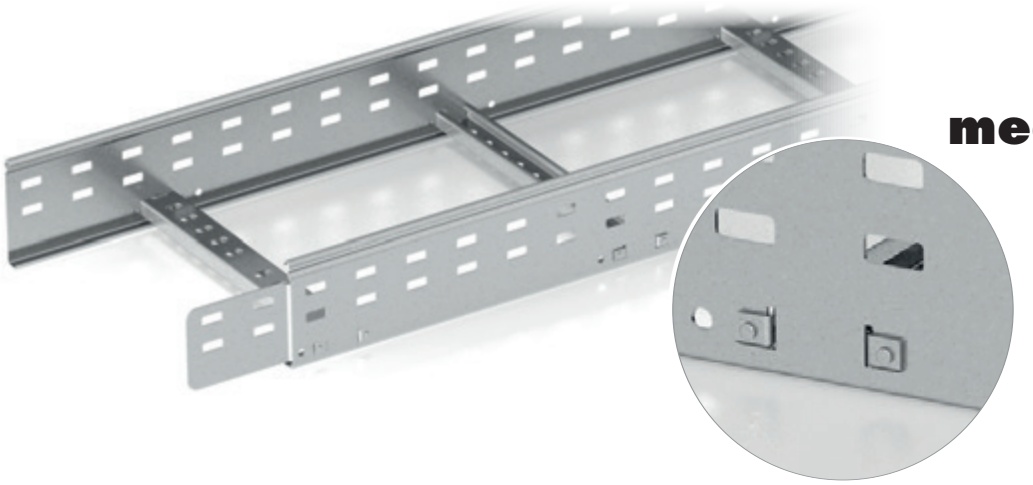
Sólo 2 pasos
Only 2 steps
Seulement 2 étapes
Apenas 2 passos



Abrazadera Rail Rápida
Fast Hold Down Bracket
Bride pour Rail Rapide
Abraçadeira Rail Rapida

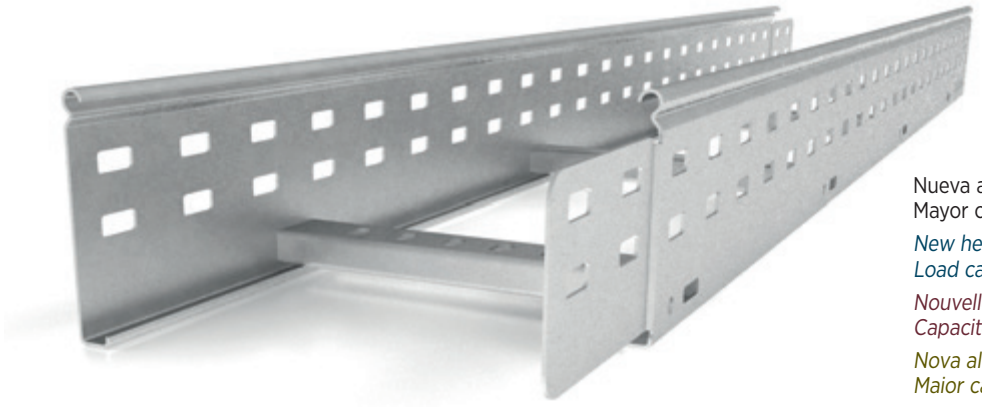
Conexión rápida sin tornillos a estructuras de railes
Quick connection without screws to channel and strut
Connexion rapide en deux pas et sans vis sur des rail
Ligação rápida sem parafusos a estruturas de perfis

070



megaband® PG

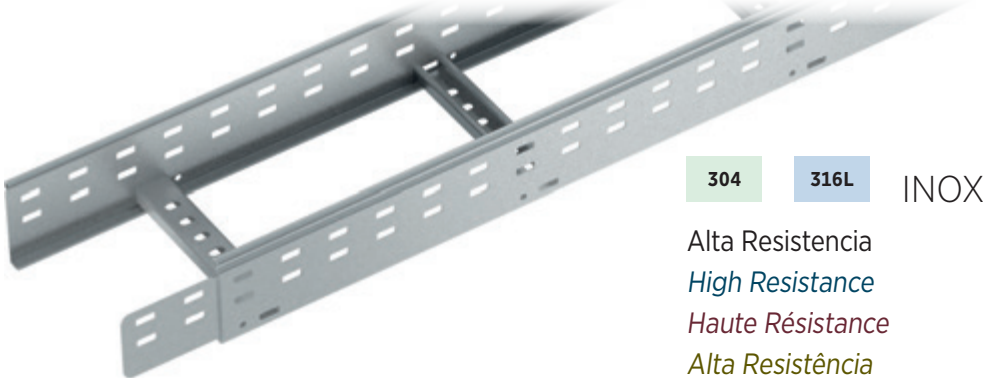
Galvanizado Sendzimir.
Nuevo acabado para instalaciones en interior.
Pre-Galvanised.
New finish for inside installations
Galvanisation Sendzimir.
Nouvelle finition pour les installations intérieures.
Galvanizado Sendzimir.
Novo acabamento para instalações internas.



megaband® 150

Nueva ala.
Mayor capacidad de carga
New height.
Load capacity increased
Nouvelle hauteur.
Capacité de charge supérieure
Nova altura.
Maior capacidade de carga

110



megaband®

304 316L INOX - Stainless Steel

Alta Resistencia
High Resistance
Haute Résistance
Alta Resistência

108

pemsa

megaband®

60 100

Bandeja de escalera para grandes cargas

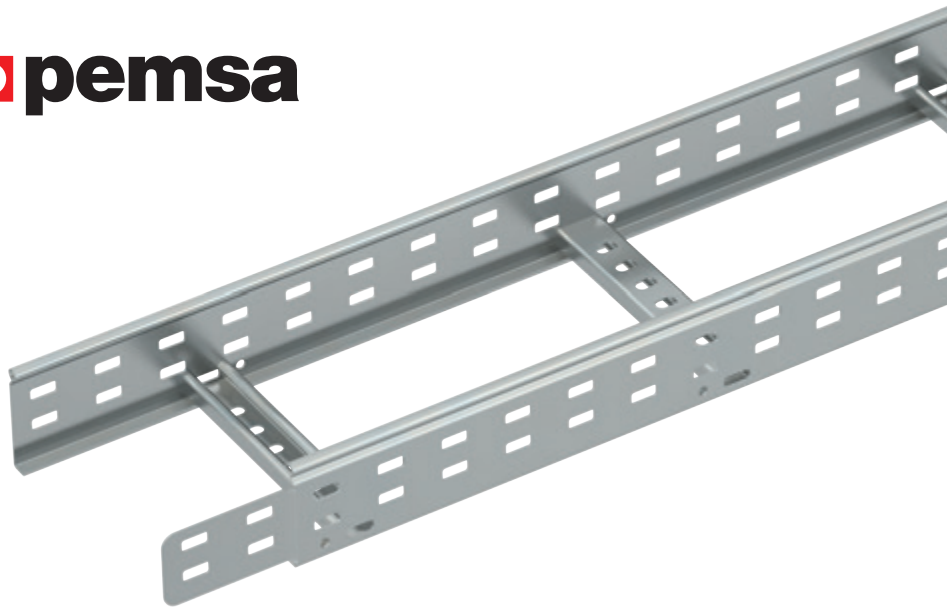
Heavy duty cable ladder

Echelle à câbles pour charges lourdes

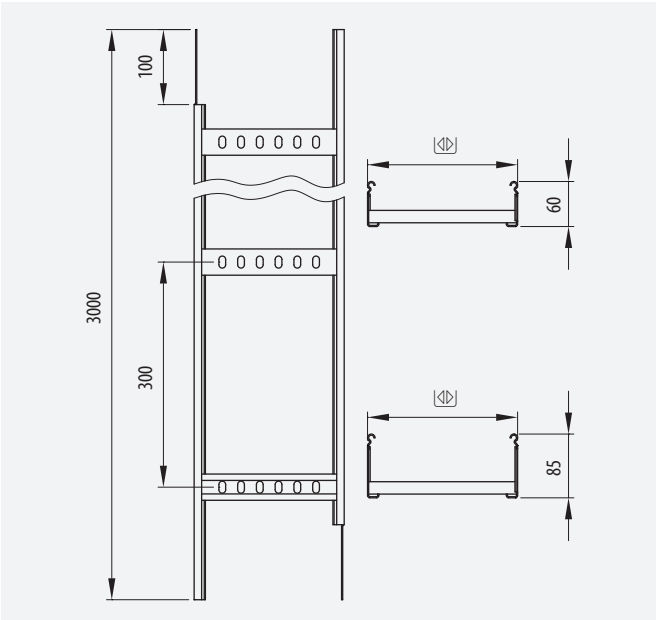
Calha de Escada para grandes cargas

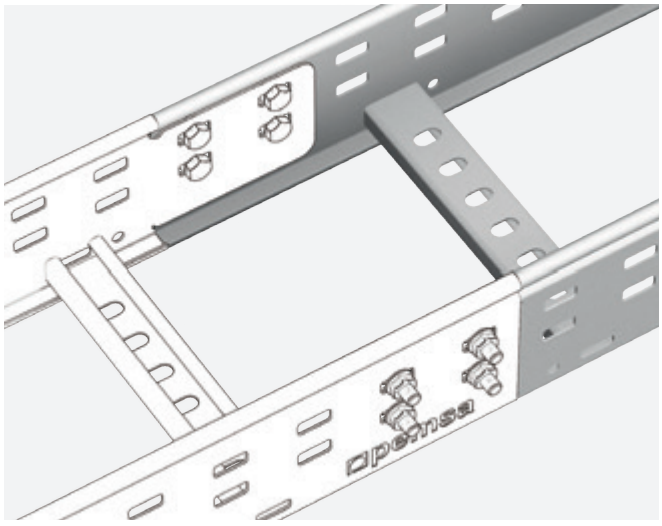
60, 100 • 100-900 • 3000

ETIM: EC000854



		PG	GC	304	316L	kg/m	
60	100	92012100	92032100	92052100	92062100	2,336	3
	150	92012150	92032150	92052150	92062150	2,484	3
	200	92012200	92032200	92052200	92062200	2,636	3
	300	92012300	92032300	92052300	92062300	2,935	3
	400	92012400	92032400	92052400	92062400	3,234	3
	450	92012450	92032450	92052450	92062450	3,385	3
	500	92012500	92032500	92052500	92062500	4,144	3
	600	92012600	92032600	92052600	92062600	4,443	3
100	100	92014100	92034100	92054100	92064100	3,287	3
	150	92014150	92034150	92054150	92064150	3,435	3
	200	92014200	92034200	92054200	92064200	3,586	3
	300	92014300	92034300	92054300	92064300	3,885	3
	400	92014400	92034400	92054400	92064400	4,184	3
	450	92014450	92034450	92054450	92064450	4,336	3
	500	92014500	92034500	92054500	92064500	5,285	3
	600	92014600	92034600	92054600	92064600	5,584	3
	750	92014750	92034750	92054750	92064750	6,714	3
	900	92014900	92034900	92054900	92064900	7,298	3
Kit megaband®		67010065 + 67020095	67030094	67060065 + 67060062	67060065 + 67060062	112	



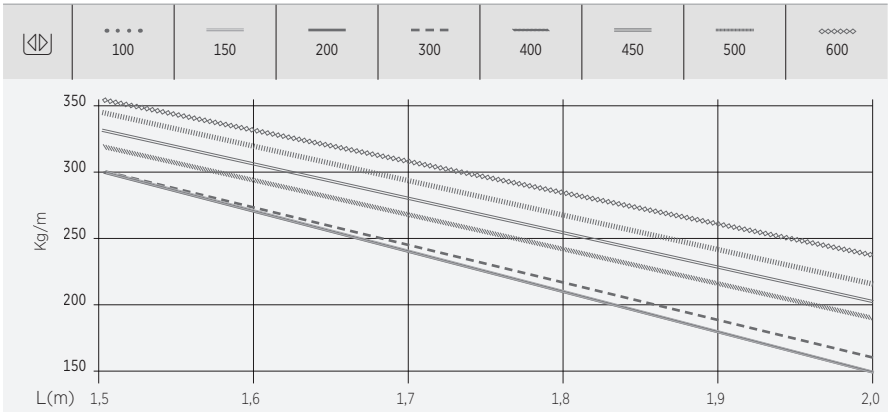


megaband®

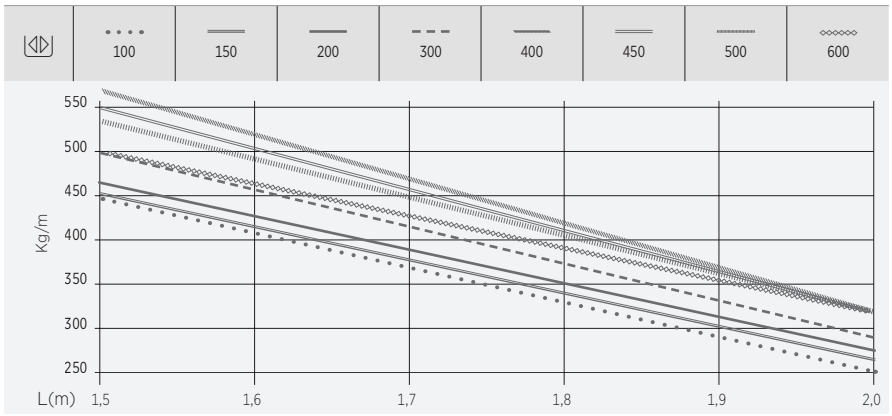
60 100

Datos técnicos
Technical data
Données techniques
Dados técnicos

mm	mm	mm2
60	100	3.478
	150	5.378
	200	7.278
	300	11.078
	400	14.878
	450	16.778
	500	18.678
	600	22.478

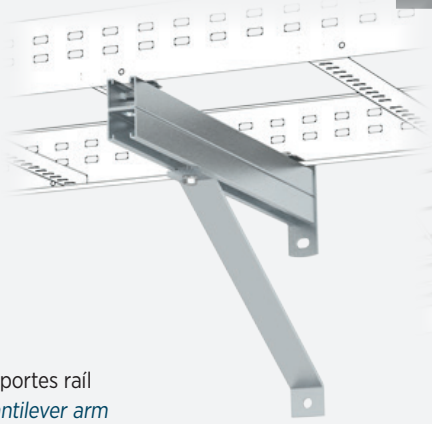


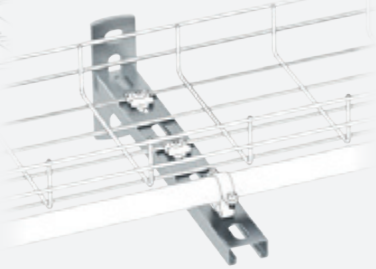
mm	mm	mm²
100	100	7.318
	150	11.118
	200	15.118
	300	22.918
	400	30.718
	450	34.518
	500	38.518
	600	46.318
	750	57.918
	900	69.718



IDEA







Soportes raíl
Cantilever arm
Supports rail
Suportes rail

180

pemsa

megaband®

120 150

Bandeja de escalera para grandes cargas

Heavy duty cable ladder

Echelle à câbles pour charges lourdes

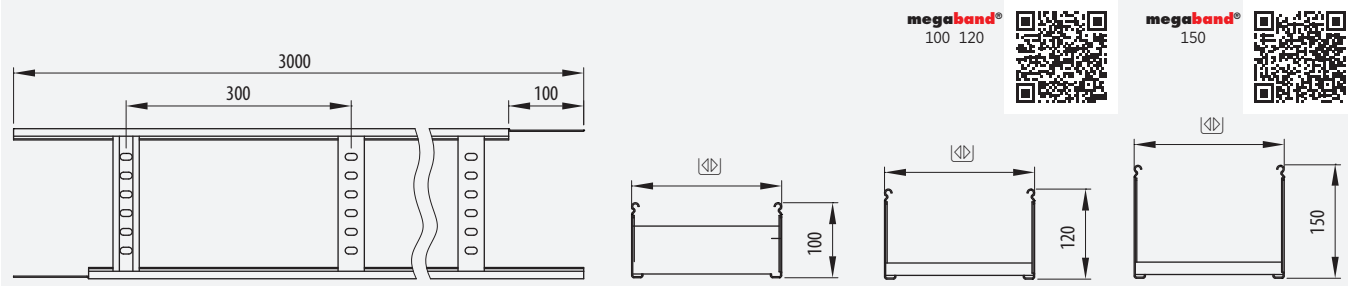
Calha de escada para grandes cargas

120, 150 • 100-900 • 3000



ETIM: EC000854

		PG	GC	304	316L	kg/m	
120	100	92015100	92035100	92055100	92065100	3,806	3
	150	92015150	92035150	92055150	92065150	3,954	3
	200	92015200	92035200	92055200	92065200	4,105	3
	300	92015300	92035300	92055300	92065300	4,405	3
	400	92015400	92035400	92055400	92065400	4,704	3
	450	92015450	92035450	92055450	92065450	4,855	3
	500	92015500	92035500	92055500	92065500	5,962	3
	600	92015600	92035600	92055600	92065600	6,261	3
	750	92015750	92035750	92055750	92065750	7,391	3
	900	92015900	92035900	92055900	92065900	7,975	3
150	100	92016100	92036100	-	-	4,568	3
	150	92016150	92036150	-	-	4,720	3
	200	92016200	92036200	-	-	4,874	3
	300	92016300	92036300	-	-	5,179	3
	400	92016400	92036400	-	-	5,499	3
	450	92016450	92036450	-	-	5,650	3
	500	92016500	92036500	-	-	7,066	3
	600	92016600	92036600	-	-	7,372	3
	750	92016750	92036750	-	-	8,421	3
	900	92016900	92036900	-	-	8,998	3
Kit megaband®		67010065 + 67020095	67030094	67060065 + 67060062	67060065 + 67060062	112	



megaband®

120 150

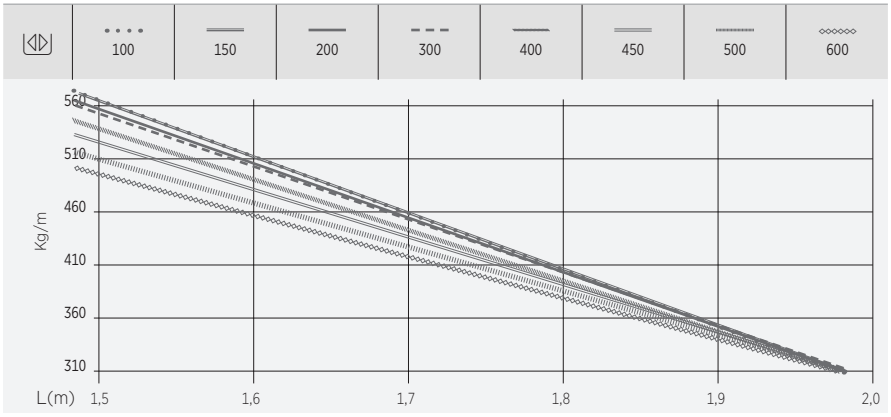
Datos técnicos

Technical data

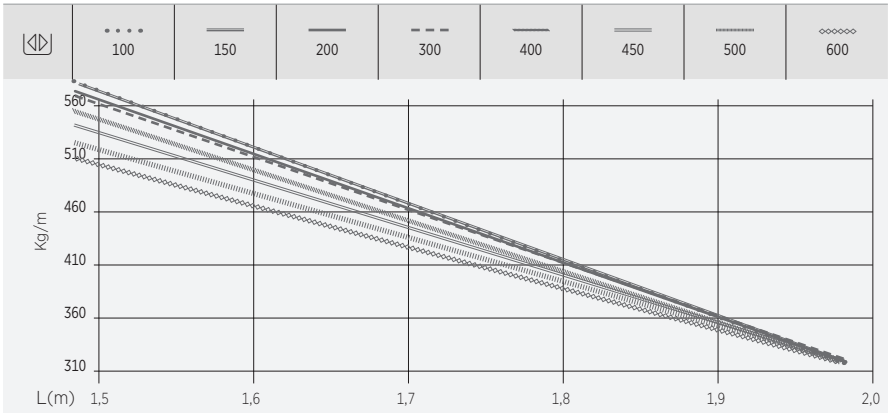
Données techniques

Dados técnicos

mm	mm	mm²
120	100	9.238
	150	14.138
	200	19.038
	300	28.838
	400	38.638
	450	43.538
	500	48.438
	600	58.238
	750	72.938
	900	87.638



mm	mm	mm²
150	100	12.028
	150	18.453
	200	24.878
	300	37.728
	400	50.578
	450	57.003
	500	63.428
	600	76.278
	750	95.553
	900	114.828



Kit Unión

Joint Kit

Francés

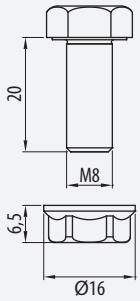
Kit União





• 60-150 • 100-1000				
GC	M8x20+M8	67030094	0,018	100

• 60-150 • 100-600				
S		Ref 1	Ref 2	
EZ	M8x20+M8	67010065	67020095	100
316L	M8x20+M8	67060065	67060062	100

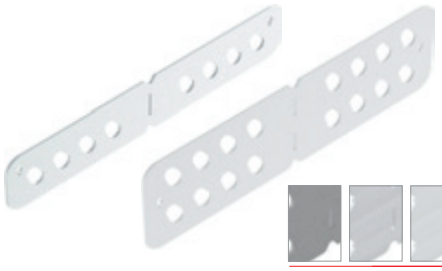


Unión Recta

Coupler

Èclisse

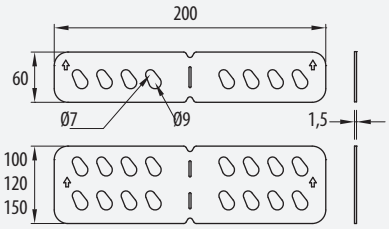
União





• 60-150 • 100-1000				
S	A	Ref	kg/u	
PG	60	93910002	0,076	50
	100-150	93910003	0,113	20
GC	60	93930002	0,078	50
	100-150	93930003	0,115	20
304	60	93950002	0,075	50
	100-150	93950003	0,112	20
316L	60	93960002	0,075	50
	100-150	93960003	0,112	20

ETIM: EC002413



Bisagra megaband®

Riser/Dropper

Charnière megaband®

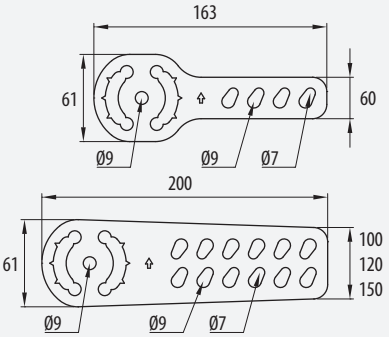
União Variável





• 60-150 • 100-1000				
S	A	Ref	kg/u	
PG	60	93910012	0,057	8
	100-150	93910013	0,102	8
GC	60	93930012	0,061	8
	100-150	93930013	0,108	8
304	60	93950012	0,057	8
	100-150	93950013	0,100	8
316L	60	93960012	0,057	8
	100-150	93960013	0,100	8

ETIM: EC002413



Fijación

Hold Down Clamp

Bride pour console

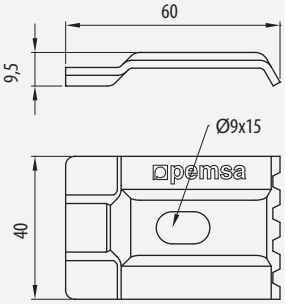
Fixação

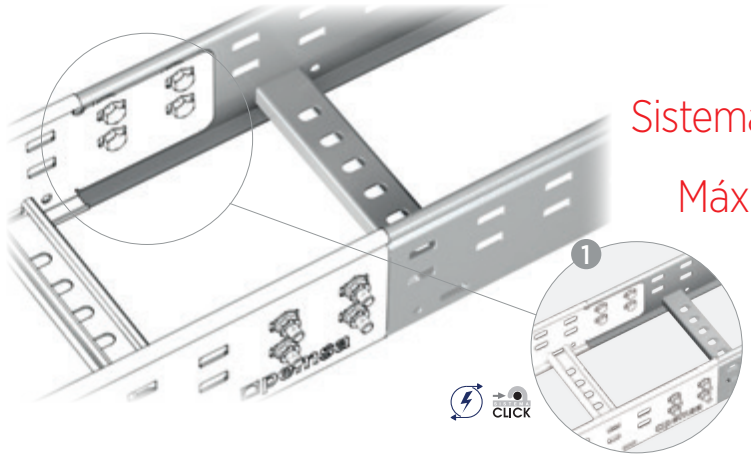




• 60-150 • 100-1000			
S	Ref	kg/u	
PG	93910021	0,043	50
GC	93930021	0,044	50
304	93950021	0,043	50
316L	93960021	0,043	50

ETIM: EC000482

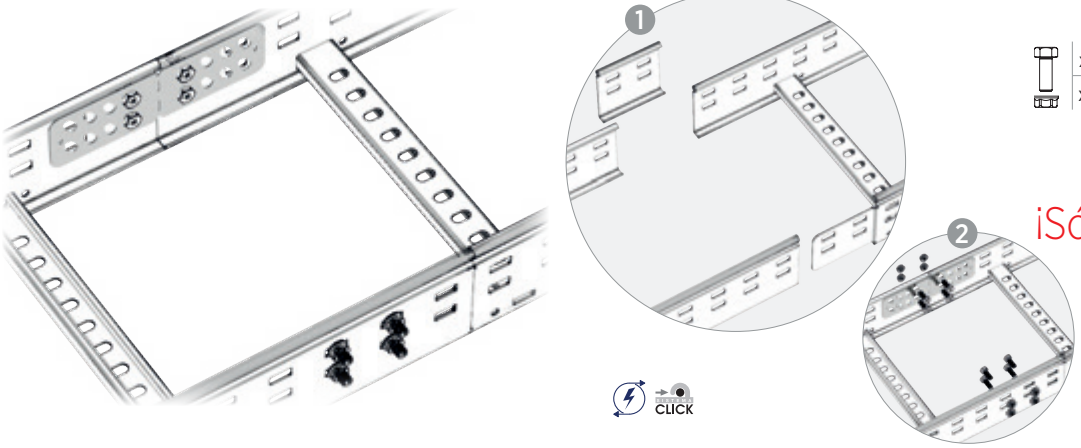




x4	60	112 M8x20
x8	85/100/120	

Sistema Enchufable.
Ahorro en material y tiempo.
Máxima resistencia de cargas.

Click System. Time and Cost Savings.
Increases the Load Capacity.
Système Click. Economie de temps
et de matériaux. Résistance maximale.
Sistema Click. Economia de materiais
e tempo. Máxima Resistência de Carga.

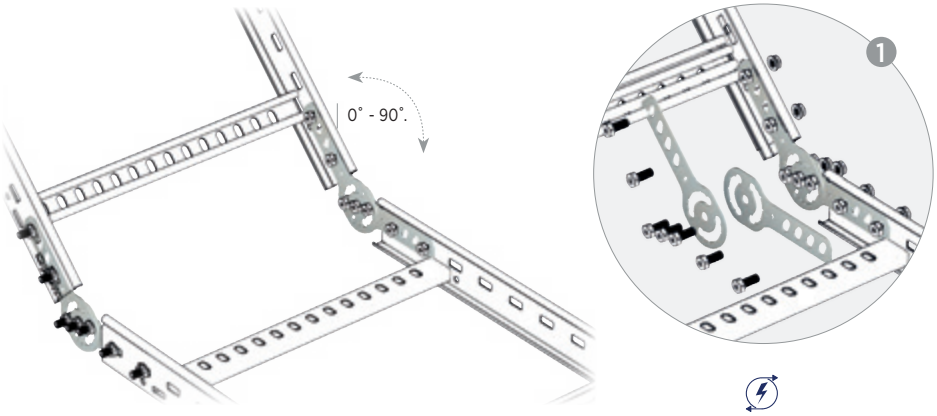


x2	60	112 M8x20
x4	85/100/120	

x1

¡Sólo una unión!

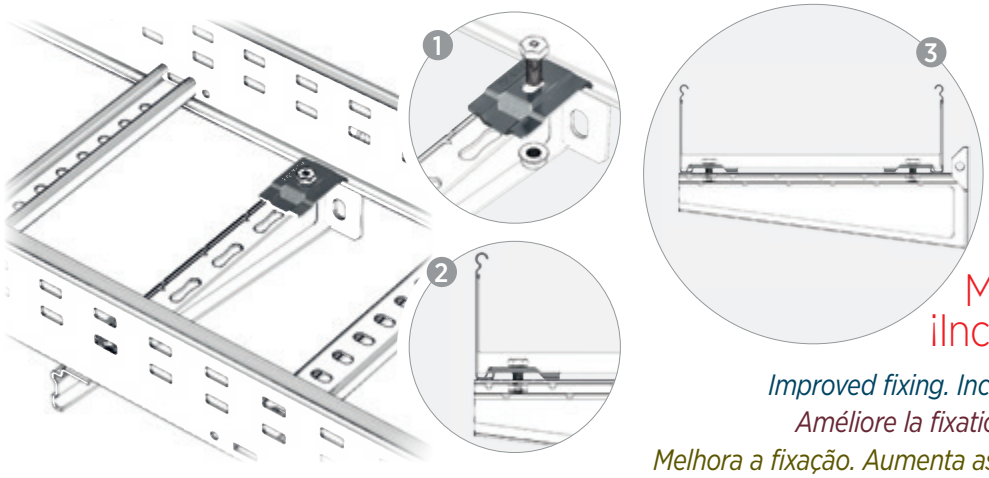
Only one Joint
Seulement
une èclisse
Solo uma união



4+3+4	60	112 M8x20
8+3+8	85/100/120	

Ángulo Variable ¡0°-90°!

Adjustable Angle 0°-90°
Angle variable 0°-90°
Ângulo Variável 0°-90°

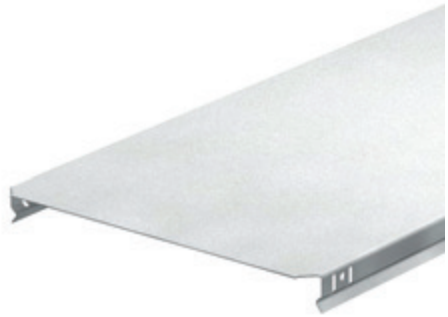


100-150	1	1	112 M8x20
200-600	2	2	

Mejora la fijación.
¡Incrementa cargas.!

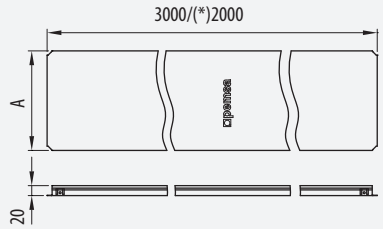
Improved fixing. Increased loads
Améliore la fixation. Augmente les charges
Melhora a fixação. Aumenta as cargas

Tapa Recta
Straight Cover
Couvercle
Tampa



• 60-150 • 100-1000

	A	Ref	kg/u	
PG	100	73021100	0,646	24
	150	73021150	0,882	12
	200	73021200	1,118	12
	300	73021300	1,854	6
	400	73021400	2,404	6
	450	73021450	3,063	6
	500	73021500	3,377	6
	600	73021600	4,006	6
	750	73021750*	5,030	4
	900	73021900*	5,980	4
GC	100	73031100	0,770	24
	150	73031150	1,063	12
	200	73031200	1,349	12
	300	73031300	2,184	6
	400	73031400	2,828	6
	450	73031450	3,556	6
	500	73031500	3,913	6
	600	73031600	4,642	6
	700	73031700*	5,379	6
	750	73031750*	5,802	4
	800	73031800*	6,172	4
	900	73031900*	6,913	4
	1000	73031990*	7,653	4



• 60-600

	A	Ref	kg/u	
304	100	73051100	0,536	24
	150	73051150	0,732	12
	200	73051200	0,940	12
	300	73051300	1,333	6
	400	73051400	2,056	6
	500	73051500	2,532	6
	600	73051600	3,495	6
316L	100	73061100	0,536	24
	150	73061150	0,732	12
	200	73061200	0,940	12
	300	73061300	1,333	6
	400	73061400	2,056	6
	500	73061500	2,532	6
	600	73061600	3,495	6

ETIM: EC002403



CLICK

* Bajo pedido / *On request* / *A la demande* / *Baixo pedido*

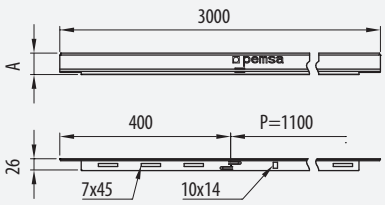
Tabique Separador Click
Click Divider
Cloison de séparation Click
Placa Separadora Click



• 60-150 • 100-1000

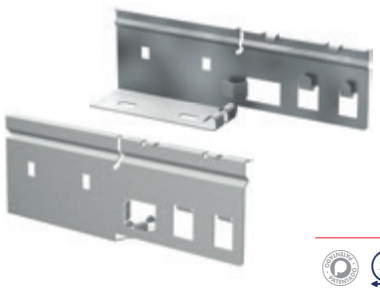
		A	Ref	kg/u	
PG	60	25	67020611	0,312	60
	85	50	67020612	0,444	48
	120-150	80	67020612	0,444	36
GC	60	25	67030611	0,384	60
	85	50	67030612	0,541	48
	120-150	80	67030612	0,541	36
304	60	25	67050610	0,207	60
	85	50	67050611	0,305	48
	120	80	67050612	0,430	36
316L	60	25	67060611	0,305	60
	85	50	67060612	0,430	48
	120	80	67060612	0,430	36

ETIM: EC001000





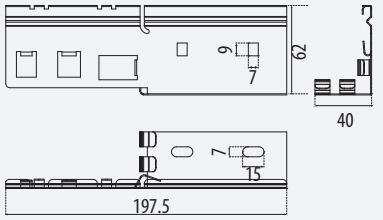
Unión rejiband®-megaband®
rejiband® megaband® *Coupler*
Èclisse **rejiband®-megaband®**
União **rejiband®-megaband®**



• 60 • 100-1000

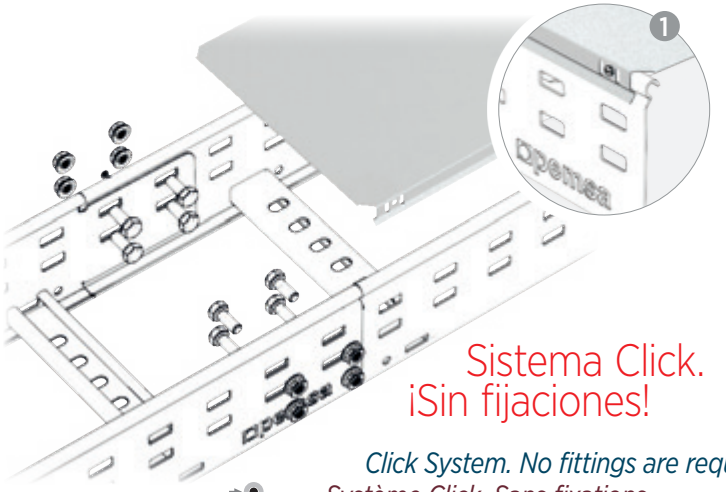
	Ref	kg/u	
PG	70120200	0,190	1
GC	70130200	0,214	1

ETIM: EC002413



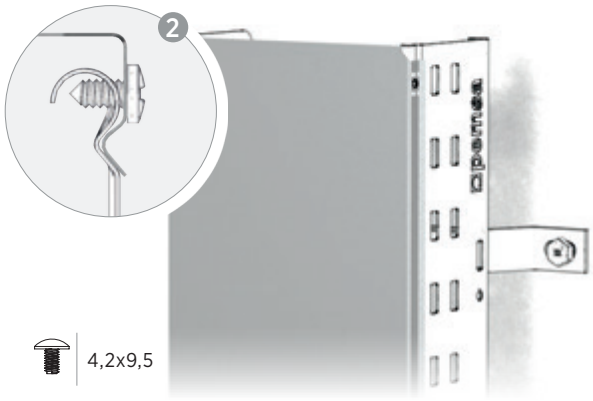


CLICK



Sistema Click. ¡Sin fijaciones!

Click System. No fittings are required.
Système Click. Sans fixations
Sistema Click. Sem fixações



4,2x9,5

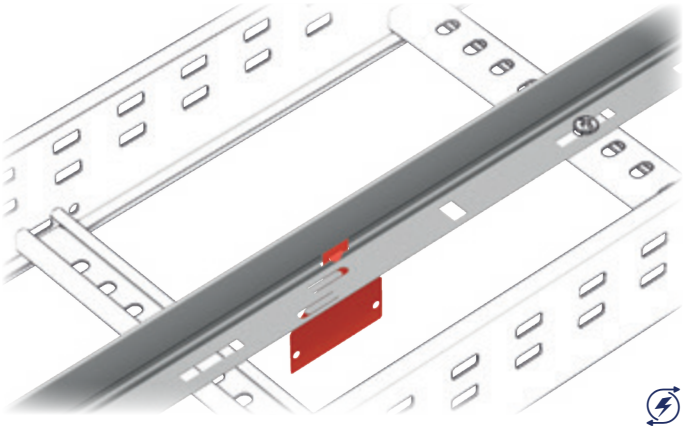
¡Fijación vertical segura!

Safe vertical installation
Fixation verticale assurée
Fixação vertical segura

Compatible con:

Compatible with:
Compatible avec:
Compatível com:

rejiband® pemsaband® megaband®





M6x30 67030093 220

¡Fácil organización de cables!

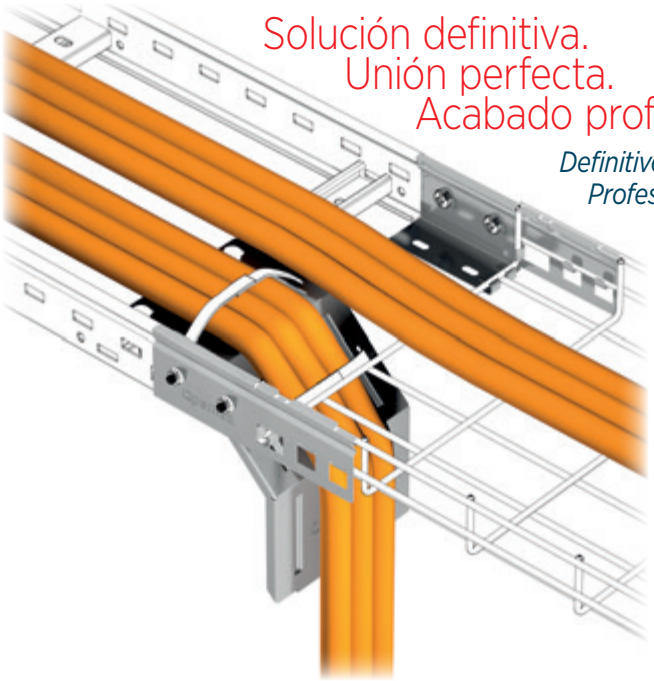
Easy cable management
Facile distribution des câbles
Fácil organização de cabos

Solución definitiva. Unión perfecta. Acabado profesional

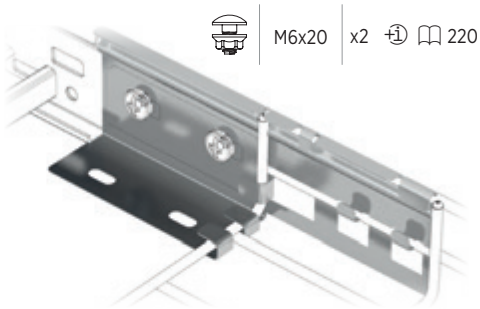
Definitive solution. Perfect coupling. Professional finish

Solution définitive. Union parfaite. Finition professionnelle.

Solução definitiva. União perfeita. Acabamento profissional



x 2 220



M6x20 x2 220

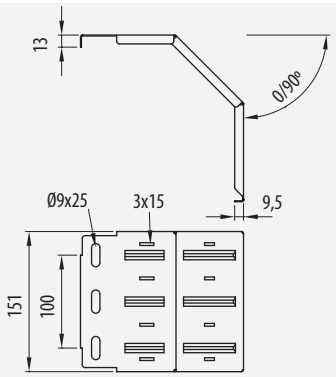
Salida de Cables
Cable Outlet
Sortie de Câbles
Saída de Cabos



• 60-150 • 200-1000

	Ref	kg/u	
GC	93930004	0,417	1

ETIM: EC002407



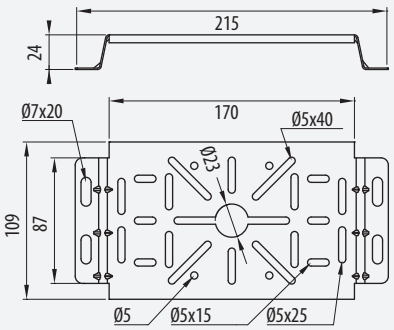
Soporte Cajas
Universal Bracket
Support pour Boîtes
Suporte para Caixas



• 60-150 • 100-1000

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

ETIM: EC000022



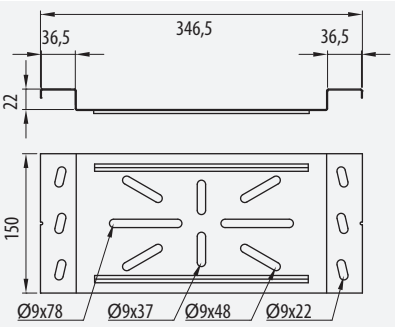
Soporte Universal
Luminaire and Box Support
Support Universel
Suporte universal



• 60-150 • 200-1000

	Ref	kg/u	
GC	93930005	0,497	5

ETIM: EC000022

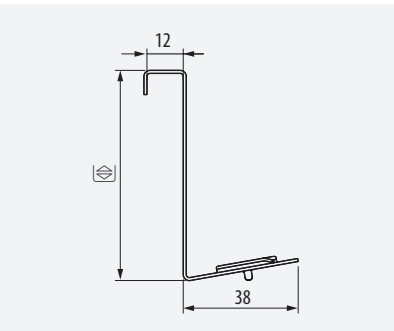


Abrazadera Rail Rápida megaband®
Fast Hold Down Bracket megaband®
Bride pour Rail Rapide megaband®
Abraçadeira Rail Rapida megaband®



• 60 • 100-150

	A	Ref	kg/u	
GC	35	81000253	0,019	10
	60	81000254	0,023	10
	100	81000256	0,029	10



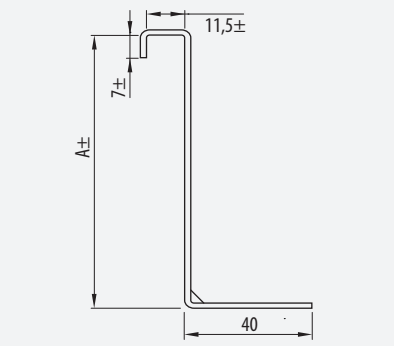
Abrazadera megaband®
Hold Down Brackets megaband®
Bride pour rail megaband®
Abraçadeira megaband®

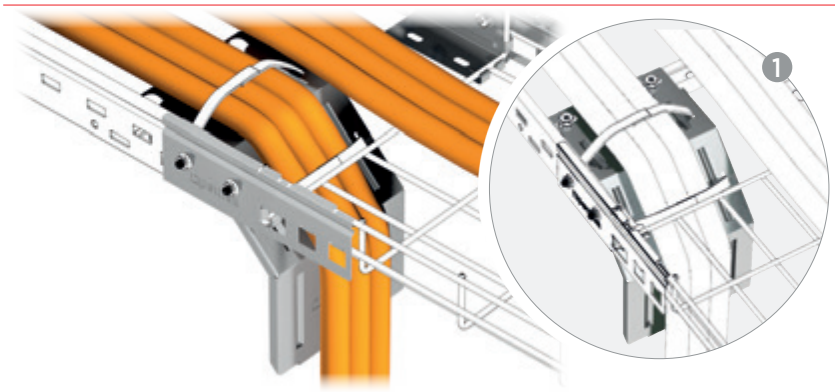


• 60-150 • 100-1000

	A	Ref	kg/u	
GC	60	93930022	0,070	10
	85	93930023	0,086	10
	100	93930024	0,096	10
	120	93930025	0,109	10

ETIM: EC000483

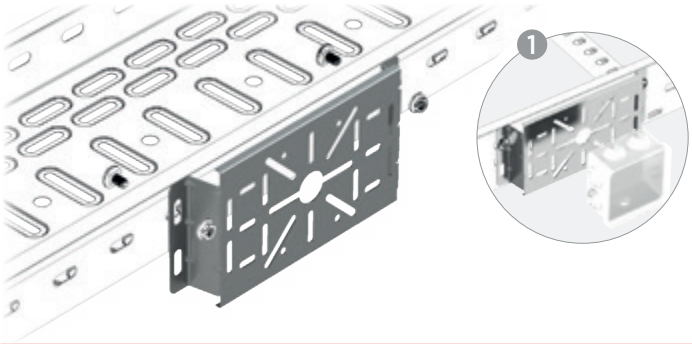




x2 175

Imprescindible. ¡Garantiza la curvatura!

Essential. Guarantees the curve
Indispensable. Courbe assurée
Indispensável. Garante a curvatura



M6x20 | x2 174

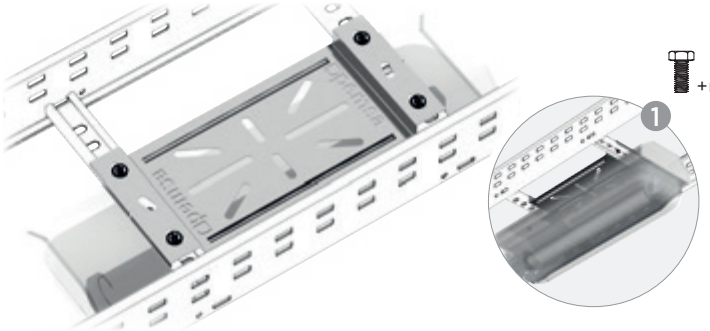
Versátil. Fijación de:

- Cajas
- Luminarias
- CCTV
- Routers, etc.

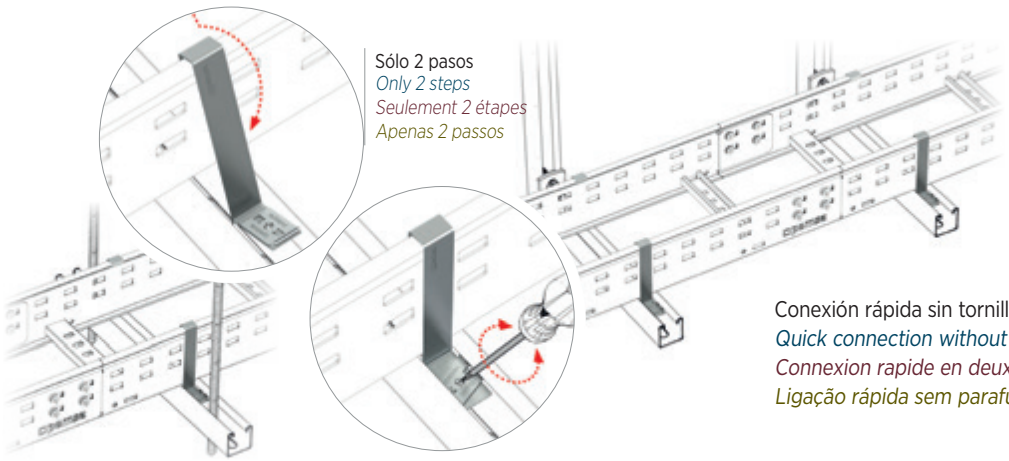
Versatile.
Fixing of:
- *Boxes*
- *Luminaires*
- *CCTV*
- *Routers, etc*

Fixation versatile de:
- *Boîtes*
- *Points lumineux*
- *CCTV*
- *Routers, etc...*

Versátil.
Fixação de:
- *Caixas*
- *Luminárias*
- *CCTV*
- *Routers, etc*



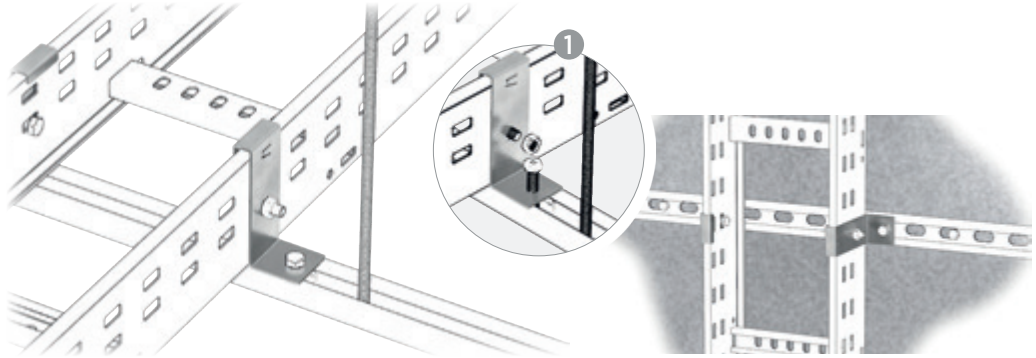
M8x35 | x4 167



Sólo 2 pasos
Only 2 steps
Seulement 2 étapes
Apenas 2 passos

Abrazadera Rail Rápida
Fast Hold Down Bracket
Bride pour Rail Rapide
Abraçadeira Rail Rapida

Conexión rápida sin tornillos a estructuras de railes
Quick connection without screws to channel and strut
Connexion rapide en deux pas et sans vis sur des rail
Ligação rápida sem parafusos a estruturas de perfis



x2 112

x1 154

NEW

pemsa

Tuerca Raìl megaband®

Plain Channel Nut megaband®

Ecrou Rail 41 megaband®

Porca de Perfil megaband®

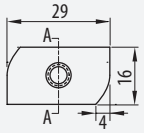




• 60-150 • 100-1000

S	M	Ref	kg/u	u
EZ	M8	67010072	0,031	100
	M6	67030071	0,031	100
GC	M8	67030072	0,031	100
316L	M8	67060071	0,031	100
	M10	67060072	0,031	100

ETIM: EC000482



Derivación Empalme

Side Connector

Dérivation

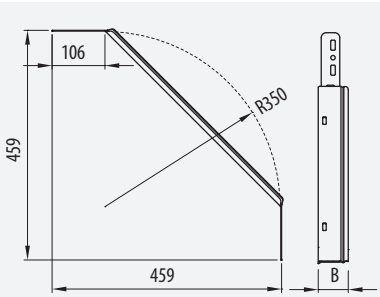
Derivação



• 60-120 • 60-1000

S	A	Ref	kg/u	u
GC	60	93930202	1,126	1
	85	93930203	1,502	1
	100	93930204	1,680	1
	120	93930205	1,914	1

ETIM: EC002935



Abrazadera Cables

Metal Cable Clamp

Anneau á Cables

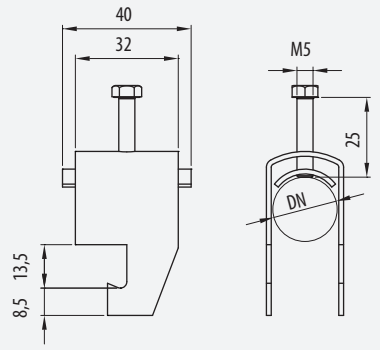
Abraçadeira de cabos



• 60-150 • 100-1000

S	A	Ref	kg/u	u
GC	DN10	93930110	0,042	1
	DN15	93930115	0,048	1
	DN20	93930120	0,062	1
	DN25	93930125	0,073	1
	DN32	93930132	0,085	1
	DN40	93930140	0,099	1
	DN45	93930145	0,110	1
	DN50	93930150	0,161	1
	DN60	93930160	0,185	1
	DN70	93930170	0,211	1
	DN80	93930180	0,243	1
	DN90	93930190	0,277	1

ETIM: EC002935

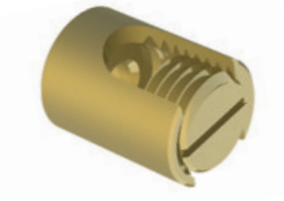


Borna Equipotencialidad

Bonding Connector

Borne de terre

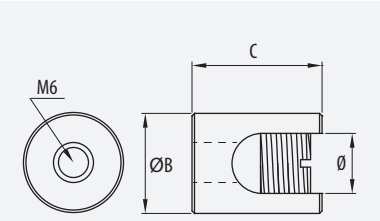
Borne de terra



• 60-150 • 100-1000

S	A (mm²)	Ø máx (mm)	Ref	kg/u	u
LAT	16-50	8,0	68000034	0,024	20
	50-110	11,5	68000035	0,043	20

ETIM: EC002935



Conector Trenzado

Earth Continuity Connector

Connecteur continuité mise à terre

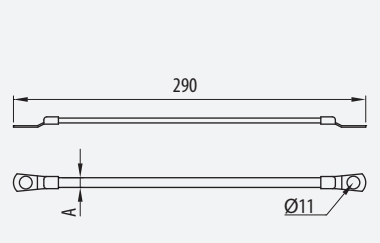
Trança de ligação



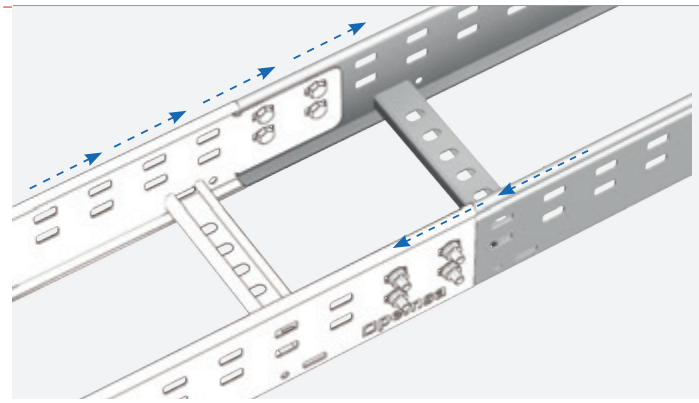
• 60-150 • 100-1000

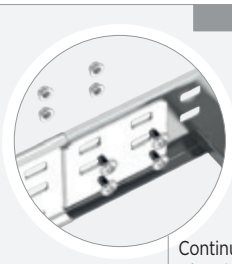
S	A (mm²)	Ref	kg/u	u
LAT	12	68000036	0,014	10
	16	68000037	0,020	10

ETIM: EC002935



IDEA



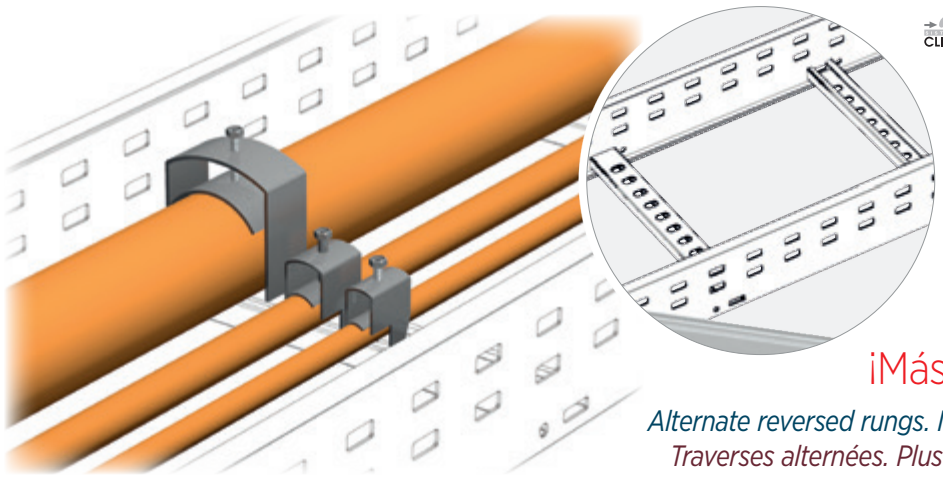


Continuidad eléctrica conforme con:
Electrical Continuity acc. to:
Continuité électrique avec:
Continuidade elétrica conforme:

<50mΩ

IEC 61537

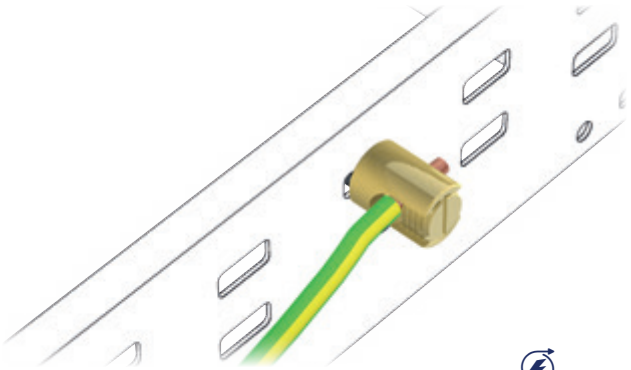
274

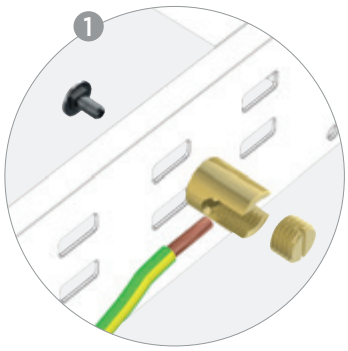


CLICK

Travesaños alternos. ¡Más opciones de fijación!

Alternate reversed rungs. Increased fixing options.
Traverses alternées. Plus de possibilités pour fixer
Travessas com disposição alternada. Aumenta opções de fixação



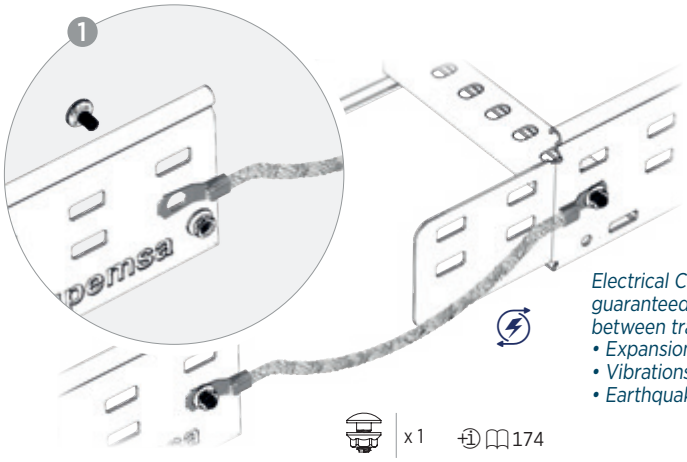


x 1

174

Consultar Ejemplos de Conexión Equipotencial
Consult Examples of Equipotential Bonding
Consulter les exemples de connexion à terre
Consulte exemplos de conexção equipotencial

174



x 1

174

Asegura la Continuidad Electrica en discontinuidades de bandeja debido a:

- Dilataciones
- Vibraciones
- Requerimientos Sísmicos

Electrical Continuity guaranteed on disconnections between trays due to:
- *Expansions*
- *Vibrations*
- *Earthquake requirements*

Assure la continuité électrique en cas de:
- *Dilatations*
- *Vibrations*
- *Secousses sismiques*

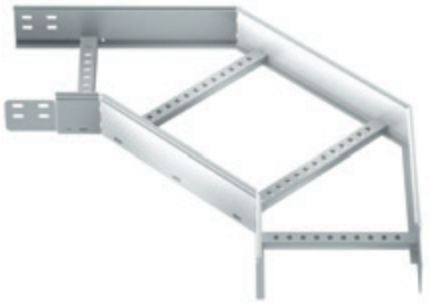
Assegura a Continuidade Elétrica en descontinuidades de calhas devido em:
- *Dilatações*
- *Vibrações*
- *Requisitos sísmicos*

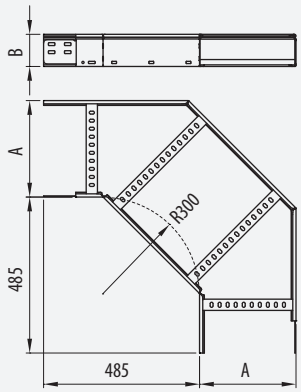
Curva 90°

90° Bend

Courbe 90°

Curva 90°





		PG	GC	304	316L	kg/u	
60	100	93012100	93032100	93052100	93062100	2,187	1
	150	93012150	93032150	93052150	93062150	2,411	1
	200	93012200	93032200	93052200	93062200	2,638	1
	300	93012300	93032300	93052300	93062300	3,419	1
	400	93012400	93032400	93052400	93062400	3,983	1
	450	93012450	93032450	93052450	93062450	4,258	1
	500	93012500	93032500	93052500	93062500	5,299	1
	600	93012600	93032600	93052600	93062600	6,276	1
100	100	93014100	93034100	93054100	93064100	3,129	1
	150	93014150	93034150	93054150	93064150	3,396	1
	200	93014200	93034200	93054200	93064200	3,665	1
	300	93014300	93034300	93054300	93064300	4,560	1
	400	93014400	93034400	93054400	93064400	5,002	1
	450	93014450	93034450	93054450	93064450	5,501	1
	500	93014500	93034500	93054500	93064500	6,958	1
	600	93014600	93034600	93054600	93064600	8,055	1
	750	93014750	93034750	93054750	93064750	9,950	1
	900	93014900	93034900	93054900	93064900	11,172	1
120	100	93015100	93035100	93055100	93065100	3,607	1
	150	93015150	93035150	93055150	93065150	3,894	1
	200	93015200	93035200	93055200	93065200	4,158	1
	300	93015300	93035300	93055300	93065300	5,124	1
	400	93015400	93035400	93055400	93065400	5,788	1
	450	93015450	93035450	93055450	93065450	6,130	1
	500	93015500	93035500	93055500	93065500	7,810	1
	600	93015600	93035600	93055600	93065600	8,956	1
	750	93015750	93035750	93055750	93065750	10,936	1
	900	93015900	93035900	93055900	93065900	12,243	1
150	100	93016100	93036100	-	-	4,300	1
	150	93016150	93036150	-	-	4,632	1
	200	93016200	93036200	-	-	4,946	1
	300	93016300	93036300	-	-	5,955	1
	400	93016400	93036400	-	-	6,688	1
	450	93016450	93036450	-	-	7,075	1
	500	93016500	93036500	-	-	9,035	1
	600	93016600	93036600	-	-	10,217	1
	750	93016750	93036750	-	-	11,800	1
	900	93016900	93036900	-	-	13,673	1

ETIM: EC002399



CLICK

Tapa Curva 90°

90° Bend Cover

Couvercle Courbe 90°

Tampa Curva 90°

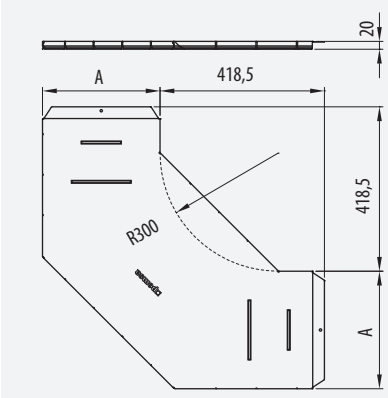


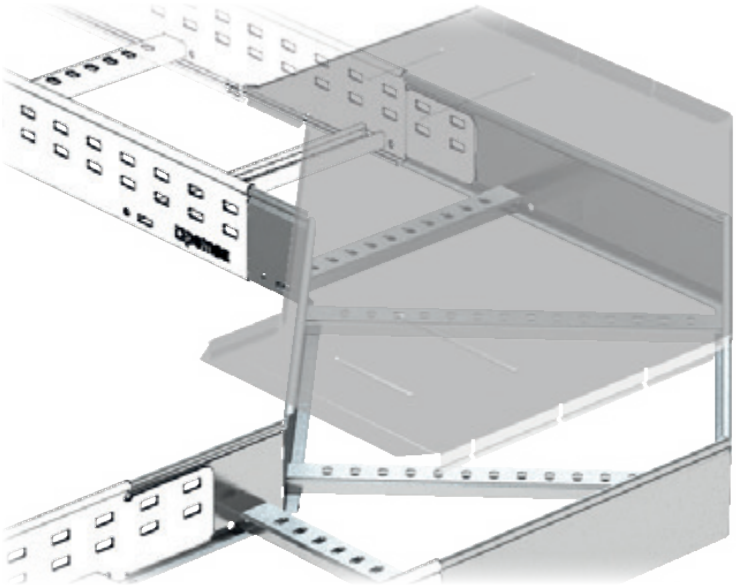
CLICK

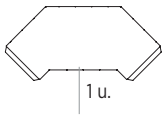
60-150 • 100-1000

	A	Ref	kg/u	
GC	100	94030100	0,887	1
	150	94030150	1,169	1
	200	94030200	1,551	1
	300	94030300	2,322	1
	400	94030400	3,204	1
	450	94030450	3,565	1
	500	94030500	4,701	1
	600	94030600	6,060	1
	750	94030750	7,922	1
	900	94030900	10,544	1

ETIM: EC001569

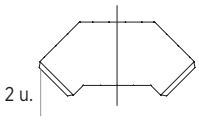




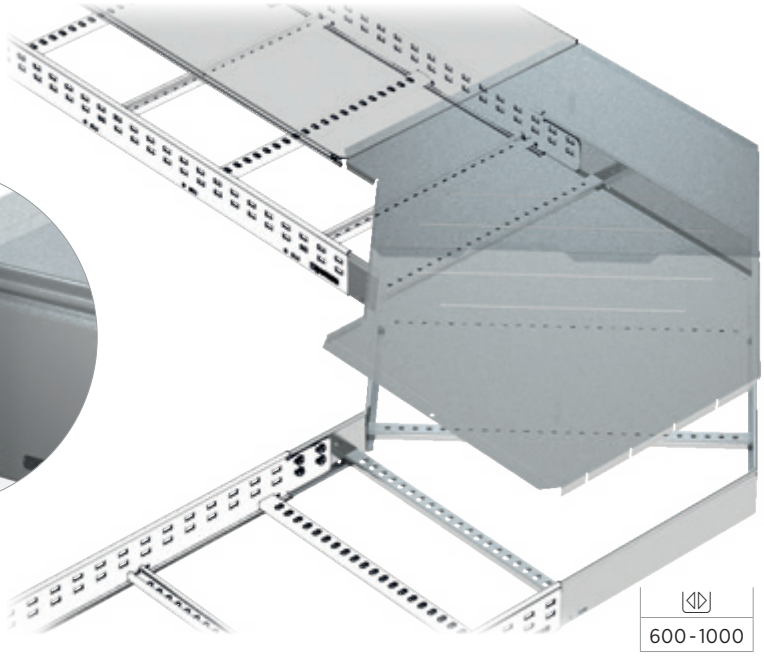


x 8 112

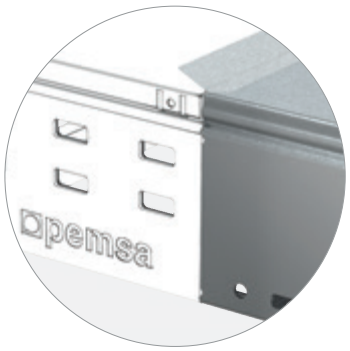
CLICK



100 - 500

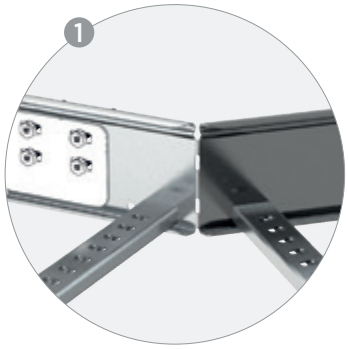


600 - 1000



Sistema Click. ¡Sin fijaciones!

Click System.
No couplers are required
Système Click.
Sans fixations
Sistema Click.
Sem fixações





Borde Seguridad. ¡Protege los cables!

Safety Edge.
Protects the cables
Bord Sécurité. Protège les câbles
Rebordo de Segurança.
Protege os cabos

Sistema Click. ¡Sin uniones!

Click System.
No Couplers needed
Système Click.
Sans unions
Sistema Click.
Sem uniões

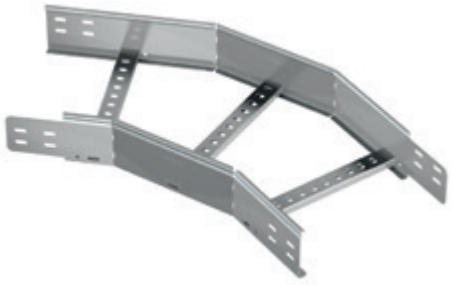
CLICK x 8 098

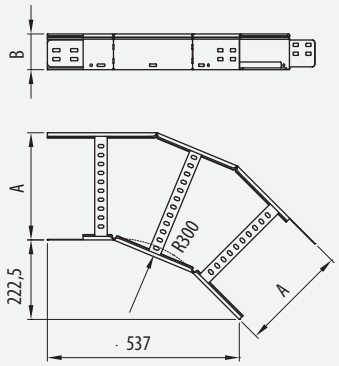
Curva 45°

45° Bend

Courbe 45°

Curva 45°





ETIM: EC002399



CLICK

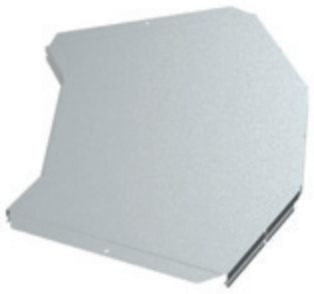
		PG	GC	304	316L	kg/u	
60	100	93712100	93732100	93752100	93762100	1,543	1
	150	93712150	93732150	93752150	93762150	1,722	1
	200	93712200	93732200	93752200	93762200	1,901	1
	300	93712300	93732300	93752300	93762300	2,258	1
	400	93712400	93732400	93752400	93762400	2,613	1
	450	93712450	93732450	93752450	93762450	2,792	1
	500	93712500	93732500	93752500	93762500	3,450	1
	600	93712600	93732600	93752600	93762600	3,831	1
100	100	93714100	93734100	93754100	93764100	2,204	1
	150	93714150	93734150	93754150	93764150	2,402	1
	200	93714200	93734200	93754200	93764200	2,603	1
	300	93714300	93734300	93754300	93764300	3,000	1
	400	93714400	93734400	93754400	93764400	3,397	1
	450	93714450	93734450	93754450	93764450	3,597	1
	500	93714500	93734500	93754500	93764500	4,524	1
	600	93714600	93734600	93754600	93764600	4,961	1
	750	93714750	93734750	93754750	93764750	6,234	1
	900	93714900	93734900	93754900	93764900	7,015	1
120	100	93715100	93735100	93755100	93765100	2,544	1
	150	93715150	93735150	93755150	93765150	2,753	1
	200	93715200	93735200	93755200	93765200	2,963	1
	300	93715300	93735300	93755300	93765300	3,382	1
	400	93715400	93735400	93755400	93765400	3,800	1
	450	93715450	93735450	93755450	93765450	4,009	1
	500	93715500	93735500	93755500	93765500	5,075	1
	600	93715600	93735600	93755600	93765600	5,538	1
	750	93715750	93735750	93755750	93765750	6,853	1
	900	93715900	93735900	93755900	93765900	7,673	1
150	100	93716100	93736100	93756100	93766100	2,970	1
	150	93716150	93736150	93756150	93766150	3,180	1
	200	93716200	93736200	93756200	93766200	3,420	1
	300	93716300	93736300	93756300	93766300	3,860	1
	400	93716400	93736400	93756400	93766400	4,300	1
	450	93716450	93736450	93756450	93766450	4,530	1
	500	93716500	93736500	93756500	93766500	5,760	1
	600	93716600	93736600	93756600	93766600	6,260	1
	750	93716750	93736750	93756750	93766750	7,010	1
	900	93716900	93736900	93756900	93766900	7,750	1

Tapa Curva 45°

45° Bend Cover

Couvercle Courbe 45°

Tampa Curva 45°

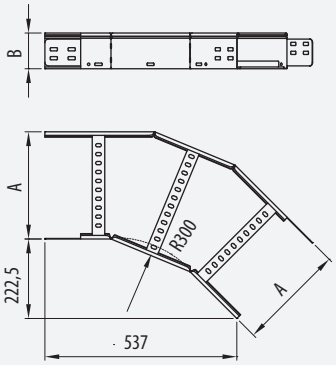


CLICK

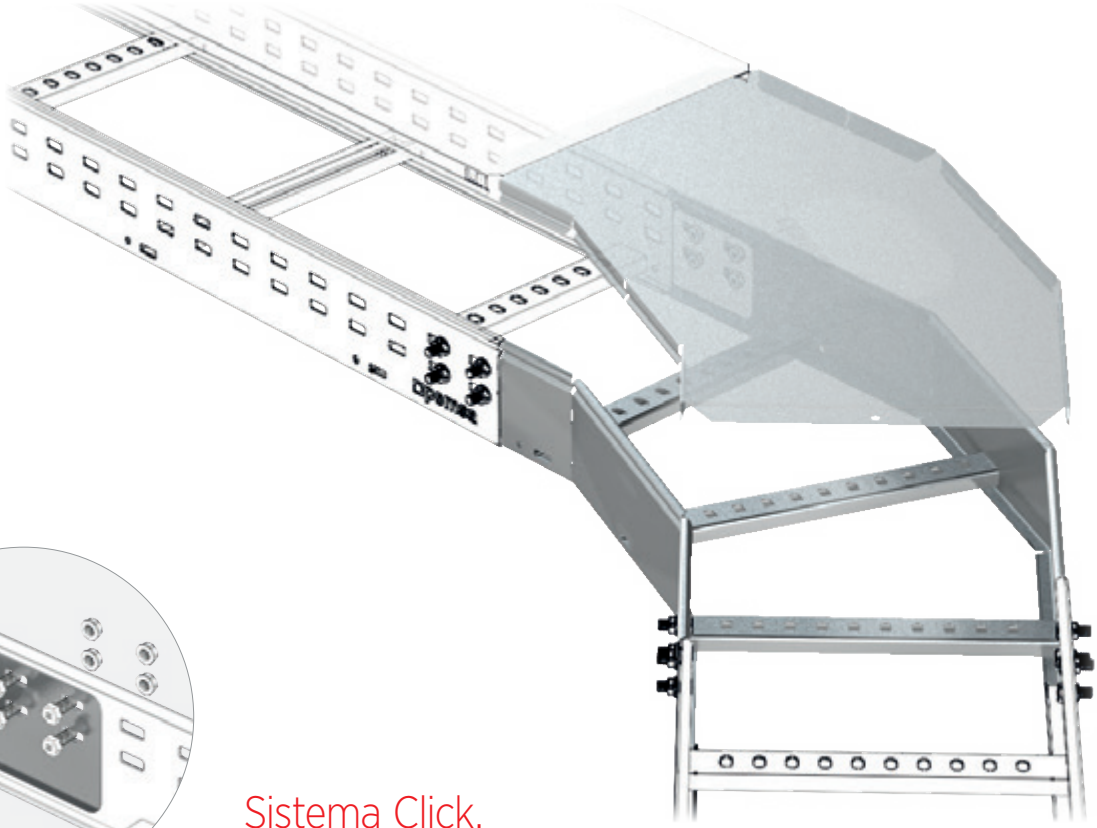
60-120 • 100-1000

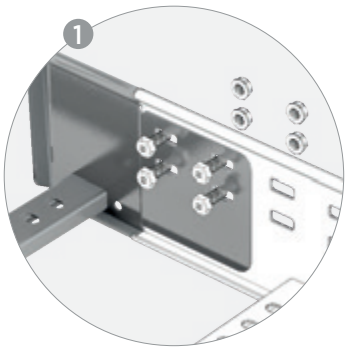
	A	Ref	kg/u	
GC	100	94730100	0,507	1
	150	94730150	0,663	1
	200	94730200	0,772	1
	300	94730300	1,338	1
	400	94730400	1,851	1

*Consultar otras medidas



ETIM: EC001569





Sistema Click.
¡Sin uniones!

Click System.
No Couplers needed
Système Click.
Sans unions
Sistema Click.
Sem uniões

x 8 098



Borde Seguridad.
¡Protege los cables!

Safety Edge. Protects the cables
Bord Sécurité. Protège les câbles
Rebordo de Segurança.
Protege os cabos

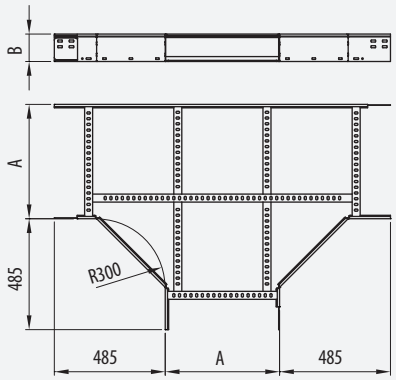
Derivación T

Tee

Dérivation T

Derivação T





ETIM: EC001540



		PG	GC	304	316L	kg/u	
60	100	93112100	93132100	93152100	93162100	3,291	1
	150	93112150	93132150	93152150	93162150	3,523	1
	200	93112200	93132200	93152200	93162200	3,759	1
	300	93112300	93132300	93152300	93162300	4,225	1
	400	93112400	93132400	93152400	93162400	5,342	1
	450	93112450	93132450	93152450	93162450	5,623	1
	500	93112500	93132500	93152500	93162500	7,805	1
	600	93112600	93132600	93152600	93162600	8,488	1
100	100	93114100	93134100	93154100	93164100	4,660	1
	150	93114150	93134150	93154150	93164150	4,918	1
	200	93114200	93134200	93154200	93164200	5,180	1
	300	93114300	93134300	93154300	93164300	5,698	1
	400	93114400	93134400	93154400	93164400	6,866	1
	450	93114450	93134450	93154450	93164450	7,174	1
	500	93114500	93134500	93154500	93164500	9,843	1
	600	93114600	93134600	93154600	93164600	10,594	1
	750	93114750	93134750	93154750	93164750	13,281	1
	900	93114900	93134900	93154900	93164900	16,025	1
120	100	93115100	93135100	93155100	93165100	5,351	1
	150	93115150	93135150	93155150	93165150	5,622	1
	200	93115200	93135200	93155200	93165200	5,897	1
	300	93115300	93135300	93155300	93165300	6,441	1
	400	93115400	93135400	93155400	93165400	7,635	1
	450	93115450	93135450	93155450	93165450	7,956	1
	500	93115500	93135500	93155500	93165500	10,878	1
	600	93115600	93135600	93155600	93165600	11,662	1
	750	93115750	93135750	93155750	93165750	14,400	1
	900	93115900	93135900	93155900	93165900	17,195	1
150	100	93116100	93136100	-	-	6,431	1
	150	93116150	93136150	-	-	6,742	1
	200	93116200	93136200	-	-	7,029	1
	300	93116300	93136300	-	-	7,626	1
	400	93116400	93136400	-	-	8,885	1
	450	93116450	93136450	-	-	9,245	1
	500	93116500	93136500	-	-	12,517	1
	600	93116600	93136600	-	-	13,378	1
	750	93116750	93136750	-	-	16,014	1
	900	93116900	93136900	-	-	18,854	1

Tapa Derivación T

Tee Cover

Couvercle Dérivation T

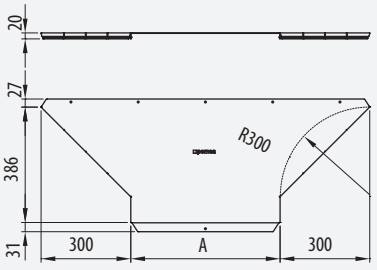
Tampa Derivação T



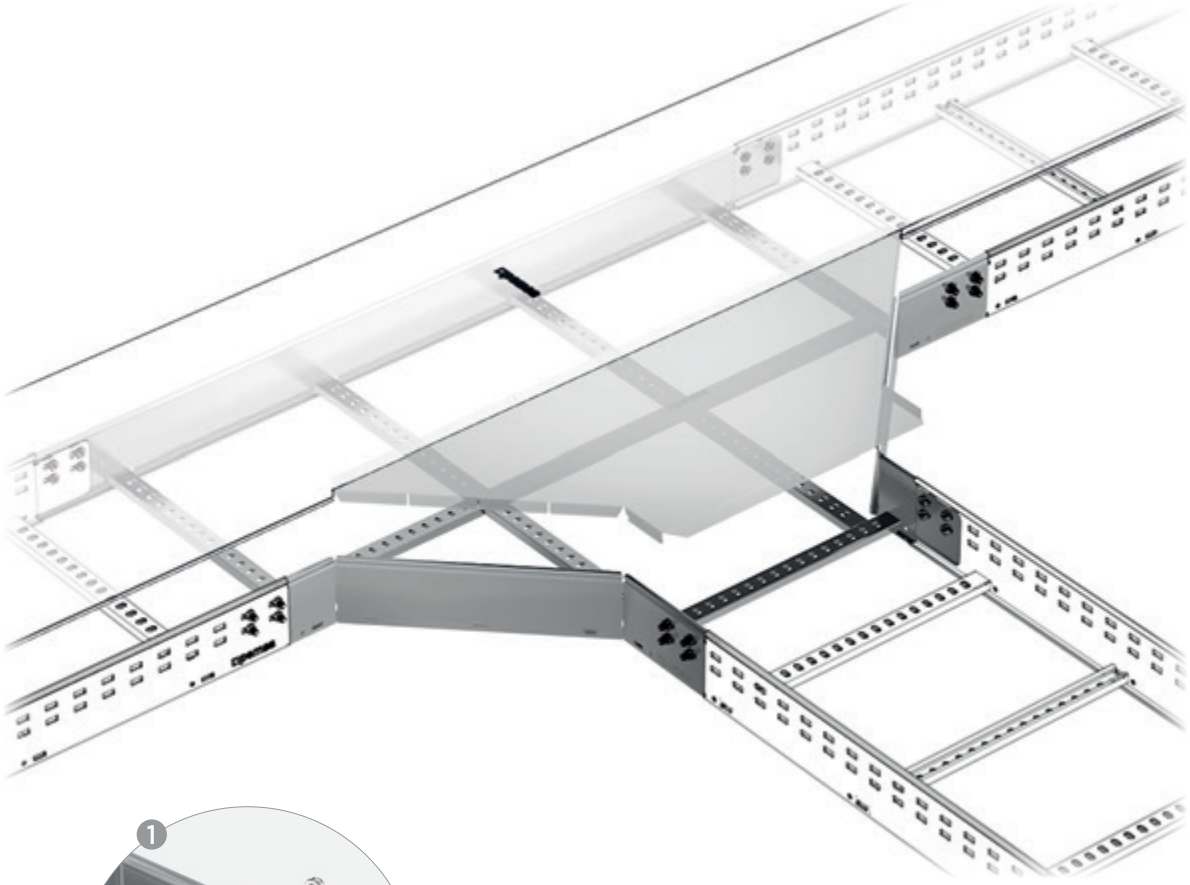
• 60-120 • 100-1000

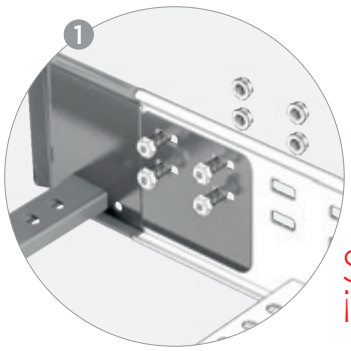
	A	Ref	kg/u	
GC	100	94130100	1,084	1
	150	94130150	1,187	1
	200	94130200	1,373	1
	300	94130300	1,662	1
	400	94130400	1,962	1
	450	94130450	2,026	1
	500	94130500	2,510	1
	600	94130600	2,834	1
	750	94130750	3,220	1
	900	94130900	3,807	1

ETIM: EC002404



x 1 124
x 1 124





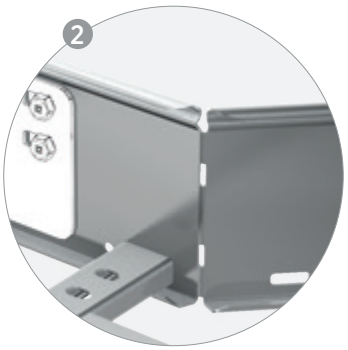
Sistema Click. ¡Sin uniones!

Click System. No Couplers needed

Système Click. Sans unions

Sistema Click. Sem uniões

x 8 098



Borde Seguridad. ¡Protege los cables!

Safety Edge. Protects the cables

Bord Sécurité. Protège les câbles

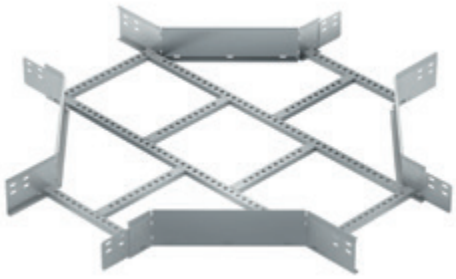
Rebordo de Segurança. Protege os cabos

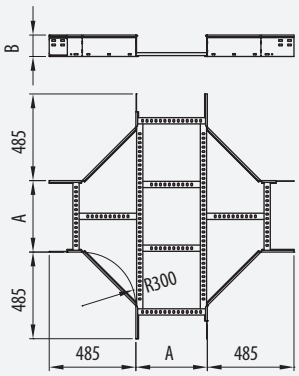
Cruce

Crossover

Croisement

Cruzeta





		PG	GC	304	316L	kg/u	
60	100	93212100	93232100	93252100	93262100	4,460	1
	150	93212150	93232150	93252150	93262150	4,765	1
	200	93212200	93232200	93252200	93262200	5,070	1
	300	93212300	93232300	93252300	93262300	5,684	1
	400	93212400	93232400	93252400	93262400	7,591	1
	450	93212450	93232450	93252450	93262450	7,929	1
	500	93212500	93232500	93252500	93262500	9,208	1
	600	93212600	93232600	93252600	93262600	9,862	1
100	100	93214100	93234100	93254100	93264100	6,102	1
	150	93214150	93234150	93254150	93264150	6,407	1
	200	93214200	93234200	93254200	93264200	6,712	1
	300	93214300	93234300	93254300	93264300	7,326	1
	400	93214400	93234400	93254400	93264400	9,233	1
	450	93214450	93234450	93254450	93264450	9,571	1
	500	93214500	93234500	93254500	93264500	11,318	1
	600	93214600	93234600	93254600	93264600	11,971	1
	750	93214750	93234750	93254750	93264750	15,031	1
	900	93214900	93234900	93254900	93264900	16,879	1
120	100	93215100	93235100	93255100	93265100	6,928	1
	150	93215150	93235150	93255150	93265150	7,233	1
	200	93215200	93235200	93255200	93265200	7,538	1
	300	93215300	93235300	93255300	93265300	8,152	1
	400	93215400	93235400	93255400	93265400	10,059	1
	450	93215450	93235450	93255450	93265450	10,397	1
	500	93215500	93235500	93255500	93265500	12,391	1
	600	93215600	93235600	93255600	93265600	13,045	1
	750	93215750	93235750	93255750	93265750	16,105	1
	900	93215900	93235900	93255900	93265900	17,953	1
150	100	93216100	93236100	-	-	7,575	1
	150	93216150	93236150	-	-	7,861	1
	200	93216200	93236200	-	-	8,136	1
	300	93216300	93236300	-	-	8,704	1
	400	93216400	93236400	-	-	11,156	1
	450	93216450	93236450	-	-	11,502	1
	500	93216500	93236500	-	-	13,805	1
	600	93216600	93236600	-	-	14,486	1
	750	93216750	93236750	-	-	17,257	1
	900	93216900	93236900	-	-	18,990	1

ETIM: EC001559



CLICK

Tapa Cruce

Crossover Cover

Couvercle Dérivation T

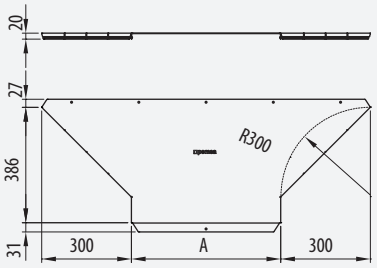
Tampa Cruzeta T



• 60-120 • 100-1000

	A	Ref	kg/u	
GC	100	94130100	1,084	1
	150	94130150	1,187	1
	200	94130200	1,373	1
	300	94130300	1,662	1
	400	94130400	1,962	1
	450	94130450	2,026	1
	500	94130500	2,510	1
	600	94130600	2,834	1
	750	94130750	3,220	1
	900	94130900	3,807	1

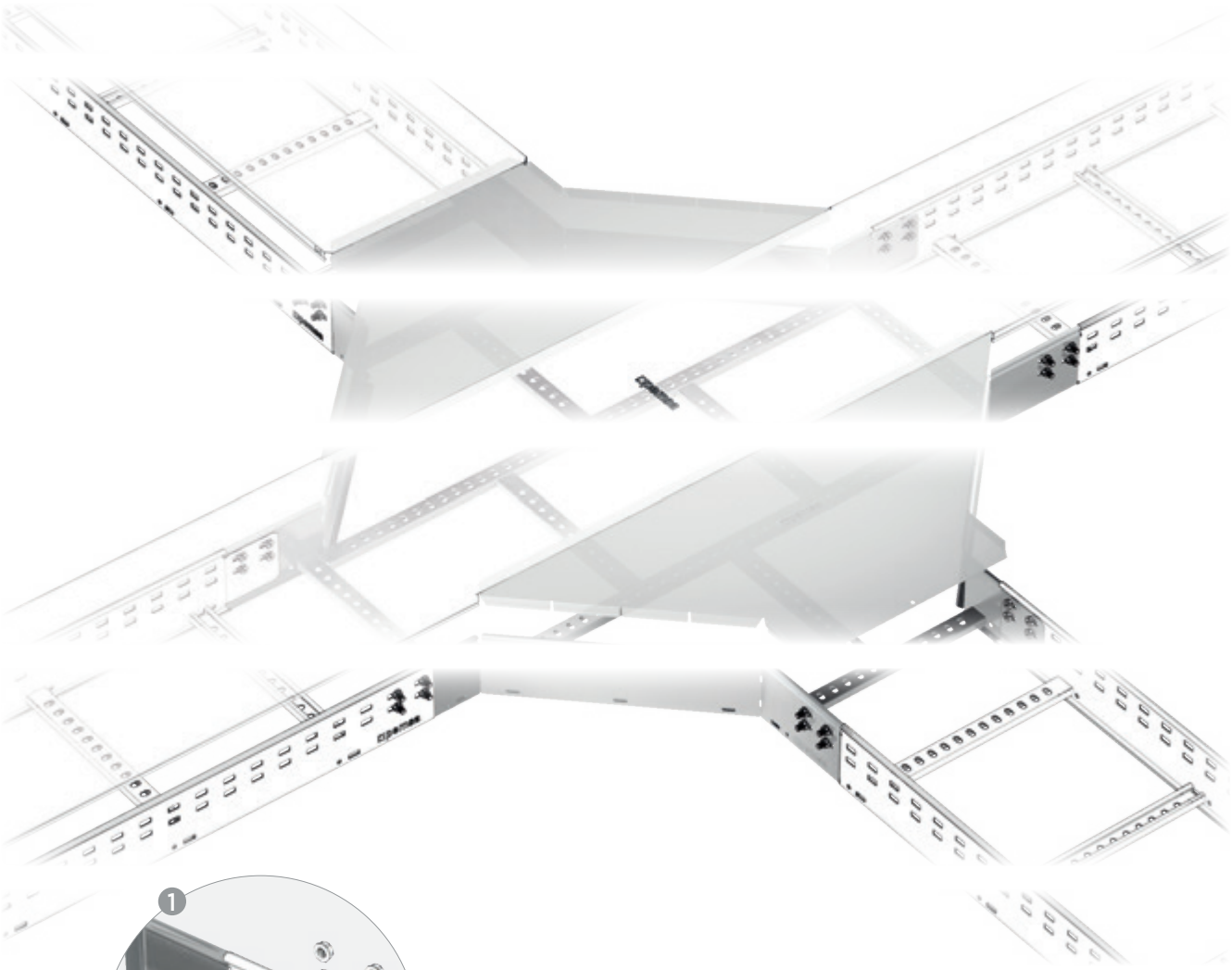
ETIM: EC001559

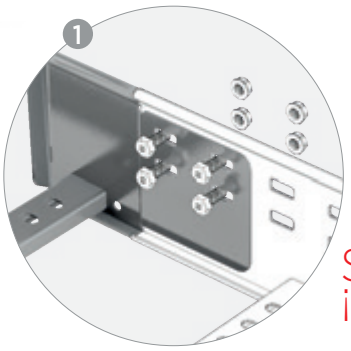




CLICK

x 2 124
x 1 126





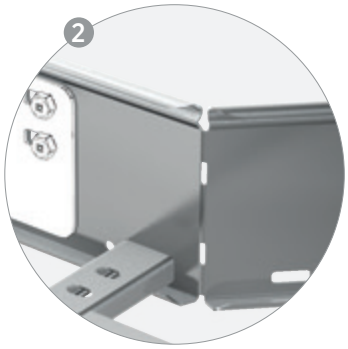
Sistema Click. ¡Sin uniones!

Click System. No Couplers needed

Système Click. Sans unions

Sistema Click. Sem uniões

x 8 098



Borde Seguridad. ¡Protege los cables!

Safety Edge. Protects the cables

Bord Sécurité. Protège les câbles

Rebordo de Segurança. Protege os cabos

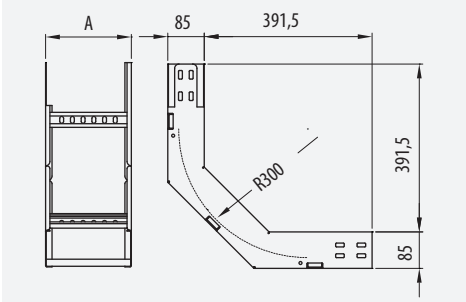
Cambio de Nivel Cóncavo CNC

90° Inside Riser

Changeur de niveau CNC 90º

Subida CNC

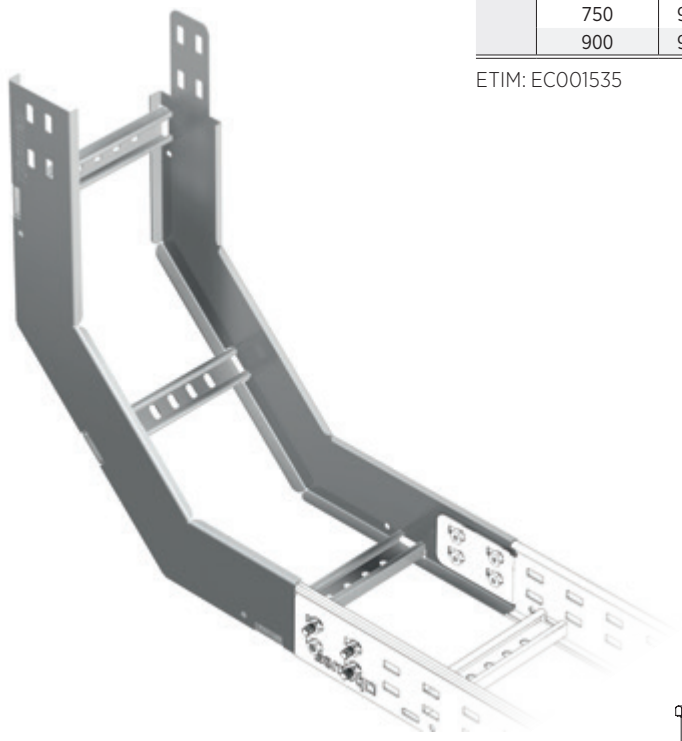


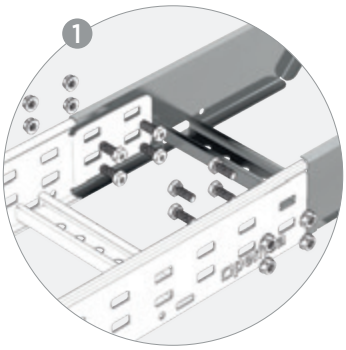




		PG	GC	304	316L	kg/u	
60	100	93512100	93532100	93552100	93562100	1,627	1
	150	93512150	93532150	93552150	93562150	1,761	1
	200	93512200	93532200	93552200	93562200	1,897	1
	300	93512300	93532300	93552300	93562300	2,166	1
	400	93512400	93532400	93552400	93562400	2,435	1
	450	93512450	93532450	93552450	93562450	2,571	1
	500	93512500	93532500	93552500	93562500	2,701	1
	600	93512600	93532600	93552600	93562600	2,970	1
100	100	93514100	93534100	93554100	93564100	2,451	1
	150	93514150	93534150	93554150	93564150	2,585	1
	200	93514200	93534200	93554200	93564200	2,721	1
	300	93514300	93534300	93554300	93564300	2,990	1
	400	93514400	93534400	93554400	93564400	3,259	1
	450	93514450	93534450	93554450	93564450	3,395	1
	500	93514500	93534500	93554500	93564500	3,525	1
	600	93514600	93534600	93554600	93564600	3,794	1
	750	93514750	93534750	93554750	93564750	4,811	1
	900	93514900	93534900	93554900	93564900	5,337	1
120	100	93515100	93535100	93555100	93565100	2,866	1
	150	93515150	93535150	93555150	93565150	3,000	1
	200	93515200	93535200	93555200	93565200	3,136	1
	300	93515300	93535300	93555300	93565300	3,405	1
	400	93515400	93535400	93555400	93565400	3,674	1
	450	93515450	93535450	93555450	93565450	3,810	1
	500	93515500	93535500	93555500	93565500	3,940	1
	600	93515600	93535600	93555600	93565600	4,209	1
	750	93515750	93535750	93555750	93565750	5,226	1
	900	93515900	93535900	93555900	93565900	5,752	1
150	100	93516100	93536100	-	-	3,514	1
	150	93516150	93536150	-	-	3,662	1
	200	93516200	93536200	-	-	3,821	1
	300	93516300	93536300	-	-	4,062	1
	400	93516400	93536400	-	-	4,335	1
	450	93516450	93536450	-	-	4,481	1
	500	93516500	93536500	-	-	4,607	1
	600	93516600	93536600	-	-	4,879	1
	750	93516750	93536750	-	-	5,832	1
	900	93516900	93536900	-	-	6,339	1

ETIM: EC001535





¡Sistema Click. Sin uniones!

Click System. No Couplers needed

Système Click. Sans unions

Sistema Click. Sem uniões

x 8 098

Cambio de Nivel Convexo CNV

90° Outside Riser

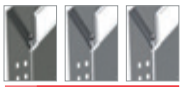
Changeur de niveau CNV 90º

Descida CNV

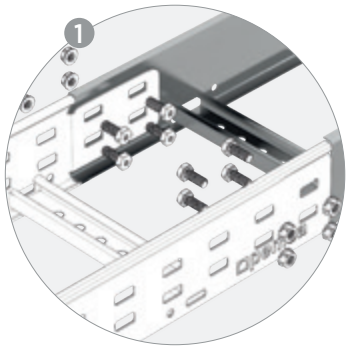


		PG	GC	304	316L	kg/u	
60	100	93612100	93632100	93652100	93662100	1,864	1
	150	93612150	93632150	93652150	93662150	1,997	1
	200	93612200	93632200	93652200	93662200	2,133	1
	300	93612300	93632300	93652300	93662300	2,402	1
	400	93612400	93632400	93652400	93662400	2,672	1
	450	93612450	93632450	93652450	93662450	2,808	1
	500	93612500	93632500	93652500	93662500	2,938	1
	600	93612600	93632600	93652600	93662600	3,207	1
100	100	93614100	93634100	93654100	93664100	2,606	1
	150	93614150	93634150	93654150	93664150	2,739	1
	200	93614200	93634200	93654200	93664200	2,875	1
	300	93614300	93634300	93654300	93664300	3,145	1
	400	93614400	93634400	93654400	93664400	3,414	1
	450	93614450	93634450	93654450	93664450	3,550	1
	500	93614500	93634500	93654500	93664500	3,680	1
	600	93614600	93634600	93654600	93664600	3,949	1
	750	93614750	93634750	93654750	93664750	4,966	1
	900	93614900	93634900	93654900	93664900	5,492	1
120	100	93615100	93635100	93655100	93665100	2,953	1
	150	93615150	93635150	93655150	93665150	3,086	1
	200	93615200	93635200	93655200	93665200	3,222	1
	300	93615300	93635300	93655300	93665300	3,491	1
	400	93615400	93635400	93655400	93665400	3,760	1
	450	93615450	93635450	93655450	93665450	3,897	1
	500	93615500	93635500	93655500	93665500	4,026	1
	600	93615600	93635600	93655600	93665600	4,296	1
	750	93615750	93635750	93655750	93665750	5,313	1
	900	93615900	93635900	93655900	93665900	5,839	1
150	100	93616100	93636100	-	-	3,241	1
	150	93616150	93636150	-	-	3,533	1
	200	93616200	93636200	-	-	3,659	1
	300	93616300	93636300	-	-	3,932	1
	400	93616400	93636400	-	-	4,206	1
	450	93616450	93636450	-	-	4,353	1
	500	93616500	93636500	-	-	4,476	1
	600	93616600	93636600	-	-	4,751	1
	750	93616750	93636750	-	-	5,706	1
	900	93616900	93636900	-	-	6,214	1

ETIM: EC001535







¡Sistema Click. Sin uniones!

Click System. No Couplers needed

Système Click. Sans unions

Sistema Click. Sem uniões

x 8 098

Cambio de Nivel Articulado

Articulated Riser Section

Changeur de Niveau Articulé

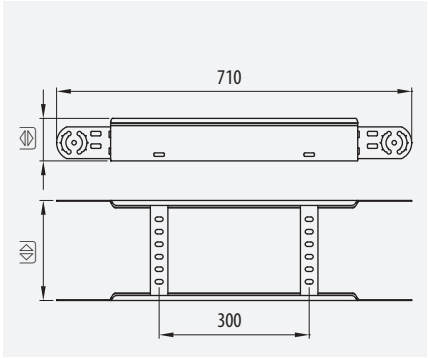
Curva Vertical Articulada





CLICK

S	60-120	100-600	Ref	kg/u	
GC	60	100	93432100	1,430	1
	60	150	93432150	1,520	1
	60	200	93432200	1,610	1
	60	300	93432300	1,789	1
	60	400	93432400	1,969	1
	60	450	93432450	2,059	1
	60	500	93432500	2,146	1
	60	600	93432600	2,326	1
	100	100	93434100	2,027	1
	100	150	93434150	2,117	1
	100	200	93434200	2,207	1
	100	300	93434300	2,386	1
	100	400	93434400	2,566	1
	100	450	93434450	2,656	1
	100	500	93434500	2,743	1
	100	600	93434600	2,923	1
	120	100	93435100	2,283	1
	120	150	93435150	2,373	1
	120	200	93435200	2,463	1
	120	300	93435300	2,642	1
	120	400	93435400	2,822	1
	120	450	93435450	2,913	1
	120	500	93435500	2,999	1
	120	600	93435600	3,179	1
	150	100	93436100	2,688	1
	150	150	93436150	2,787	1
	150	200	93436200	2,872	1
	150	300	93436300	3,057	1
	150	400	93436400	3,242	1
	150	450	93436450	3,341	1
	150	500	93436500	3,424	1
	150	600	93436600	3,609	1



S	60-120	100-600	Ref	kg/u	
304	100	100	93454100	1,832	1
	100	150	93454150	1,912	1
	100	200	93454200	1,994	1
	100	300	93454300	2,156	1
	100	400	93454400	2,318	1
	100	450	93454450	2,400	1
	100	500	93454500	2,478	1
	100	600	93454600	2,640	1
316L	100	100	93464100	1,832	1
	100	150	93464150	1,912	1
	100	200	93464200	1,994	1
	100	300	93464300	2,156	1
	100	400	93464400	2,318	1
	100	450	93464450	2,400	1
	100	500	93464500	2,478	1
	100	600	93464600	2,640	1

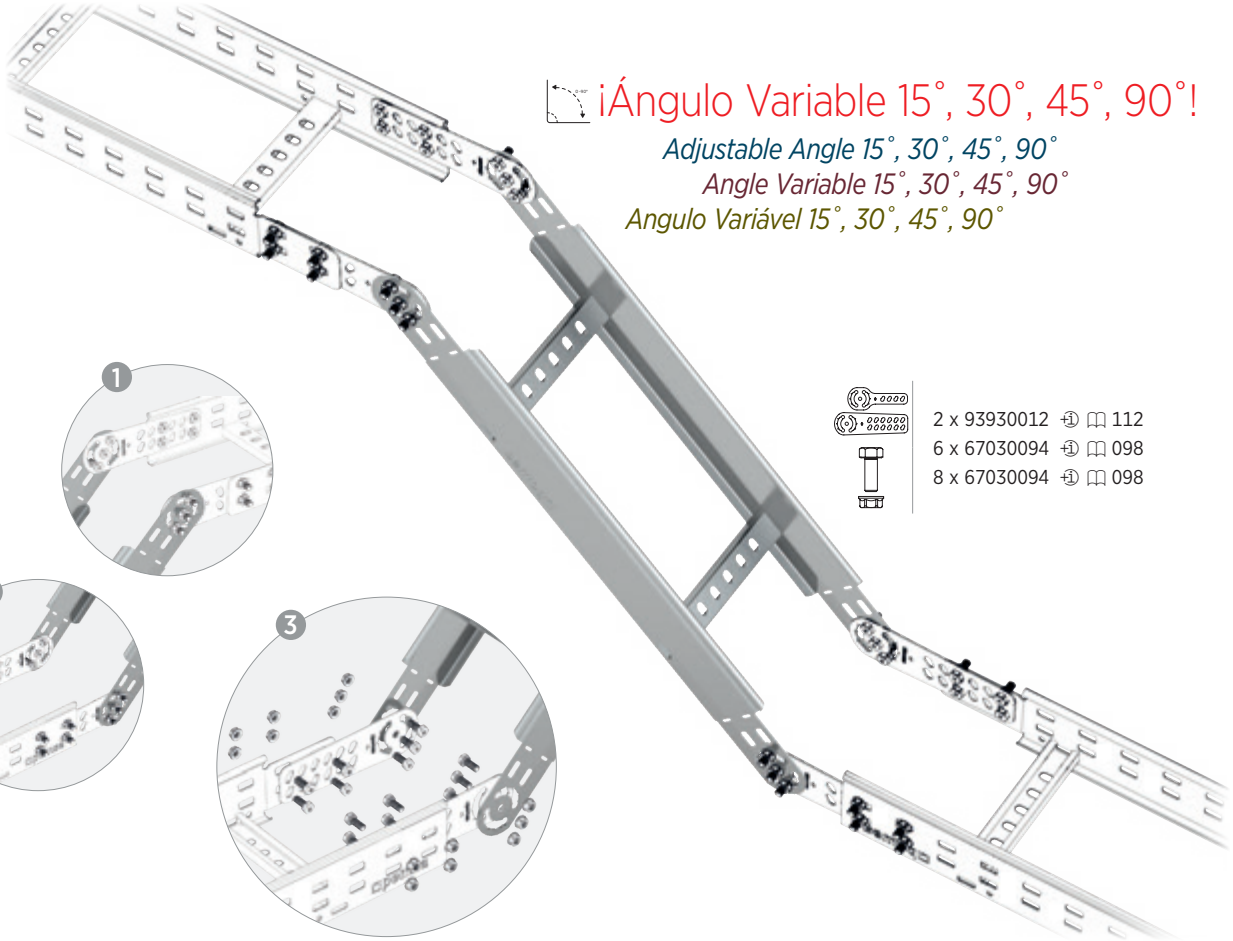
ETIM: EC001535

¡Ángulo Variable 15˚, 30˚, 45˚, 90˚!

Adjustable Angle 15˚, 30˚, 45˚, 90˚

Angle Variable 15˚, 30˚, 45˚, 90˚

Angulo Variável 15˚, 30˚, 45˚, 90˚



2 x 93930012 112
6 x 67030094 098
8 x 67030094 098

Reducción
Reducer
Réduction
Redução

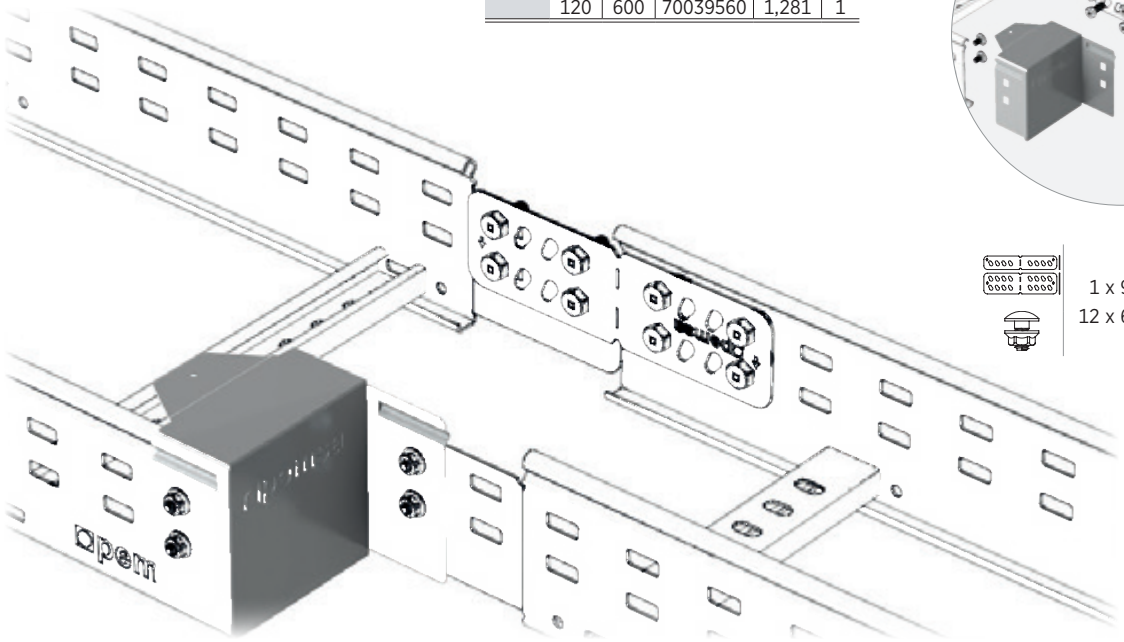


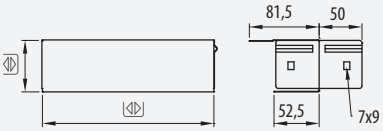
¡Acabado profesional!

Professional finish
Finition professionnelle
Acabamento profissional



CLICK





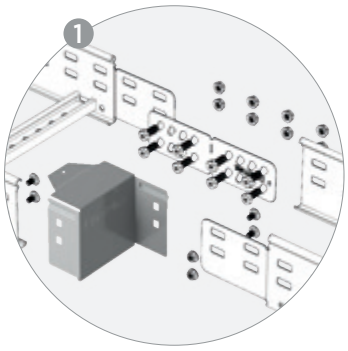
• 60-120 • 100-600

S			Ref	kg/u	
PG	60	100	71022010	0,098	1
	60	150	71022015	0,138	1
	60	200	71022020	0,194	1
	60	300	71022030	0,285	1
	60	400	71022040	0,602	1
	60	500	71022050	0,746	1
	60	600	71022060	0,890	1
	100	100	71024010	0,223	1
	100	200	71024020	0,408	1
	100	300	71024030	0,583	1
	100	400	71024040	0,759	1
	100	500	71024050	0,934	1
	100	600	71024060	1,110	1
	120	100	71025010	0,257	1
	120	150	71025015	0,349	1
	120	200	71025020	0,455	1
	120	300	71025030	0,646	1
	120	400	71025040	0,838	1
	120	450	71025045	0,933	1
	120	500	71025050	1,029	1
	120	600	71025060	1,220	1
GC	60	100	71031010	0,122	1
	60	150	71031015	0,173	1
	60	200	71031020	0,243	1
	60	300	71031030	0,356	1
	60	400	71032010	0,632	1
	60	450	71032015	0,732	1
	60	500	71032020	0,784	1
	60	600	71032030	0,935	1
	100	100	71033050	0,245	1
	100	150	71033060	0,337	1
	100	200	71034010	0,429	1
	100	300	71034020	0,613	1
	100	400	71034030	0,797	1
	100	450	71034040	0,921	1
	100	500	71034050	0,982	1
	100	600	71034060	1,166	1
	120	100	70039510	0,270	1
	120	150	70039515	0,366	1
	120	200	70039520	0,478	1
	120	300	70039530	0,679	1
	120	400	70039540	0,880	1
	120	450	70039545	0,980	1
	120	500	70039550	1,081	1
	120	600	70039560	1,281	1

• 60-120 • 100-600

S			Ref	kg/u	
304	60	100	71052010	0,080	1
	60	150	71052015	0,114	1
	60	200	71052020	0,161	1
	60	300	71052030	0,236	1
	60	400	71052040	0,297	1
	60	500	71052050	0,368	1
	60	600	71052060	0,439	1
316L	60	100	71062010	0,080	1
	60	150	71062015	0,114	1
	60	200	71062020	0,161	1
	60	300	71062030	0,236	1
	60	400	71062040	0,297	1
	60	500	71062050	0,368	1
	60	600	71062060	0,439	1

ETIM: EC001007



1 x 93930003 112
12 x 67030093 174

Tapa Final
End Cover
Embout Terminal
Tampa Final



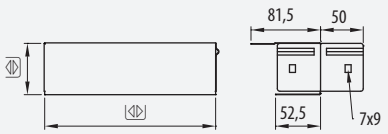
¡Acabado profesional!
Professional finish
Finition professionnelle
Acabamento profissional



CLICK

• 60-120 • 100-600

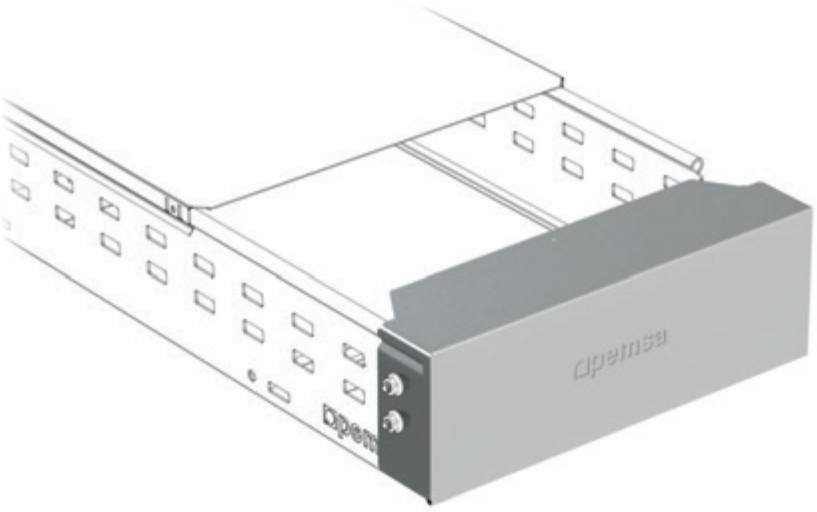
S			Ref	kg/u	
PG	60	100	71022010	0,098	1
	60	150	71022015	0,138	1
	60	200	71022020	0,194	1
	60	300	71022030	0,285	1
	60	400	71022040	0,602	1
	60	500	71022050	0,746	1
	60	600	71022060	0,890	1
	100	100	71024010	0,223	1
	100	200	71024020	0,408	1
	100	300	71024030	0,583	1
	100	400	71024040	0,759	1
	100	500	71024050	0,934	1
	100	600	71024060	1,110	1
	120	100	71025010	0,257	1
	120	150	71025015	0,349	1
	120	200	71025020	0,455	1
	120	300	71025030	0,646	1
	120	400	71025040	0,838	1
	120	450	71025045	0,933	1
	120	500	71025050	1,029	1
	120	600	71025060	1,220	1
GC	60	100	70039210	0,122	1
	60	150	70039215	0,173	1
	60	200	70039220	0,243	1
	60	300	70039230	0,356	1
	60	400	70039240	0,632	1
	60	450	70039245	0,732	1
	60	500	70039250	0,784	1
	60	600	70039260	0,935	1
	100	100	70039410	0,245	1
	100	150	70039415	0,337	1
	100	200	70039420	0,429	1
	100	300	70039430	0,613	1
	100	400	70039440	0,797	1
	100	450	70039445	0,921	1
	100	500	70039450	0,982	1
	100	600	70039460	1,166	1
	120	100	70039510	0,270	1
	120	150	70039515	0,366	1
	120	200	70039520	0,478	1
	120	300	70039530	0,679	1
	120	400	70039540	0,880	1
	120	450	70039545	0,980	1
	120	500	70039550	1,081	1
	120	600	70039560	1,281	1

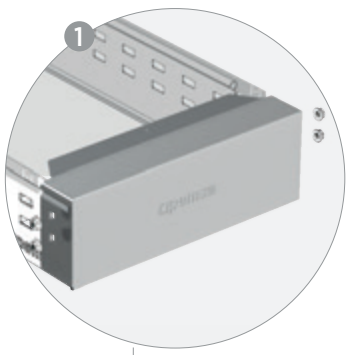


• 60-120 • 100-600

S			Ref	kg/u	
304	60	100	71052010	0,080	1
	60	150	71052015	0,114	1
	60	200	71052020	0,161	1
	60	300	71052030	0,236	1
	60	400	71052040	0,297	1
	60	500	71052050	0,368	1
	60	600	71052060	0,439	1
316L	60	100	71062010	0,080	1
	60	150	71062015	0,114	1
	60	200	71062020	0,161	1
	60	300	71062030	0,236	1
	60	400	71062040	0,297	1
	60	500	71062050	0,368	1
	60	600	71062060	0,439	1

ETIM: EC001573





4 x 67030093 1 174

megaband® REP

Bandeja de escalera de acero galvanizado en caliente para grandes cargas y ambientes industriales

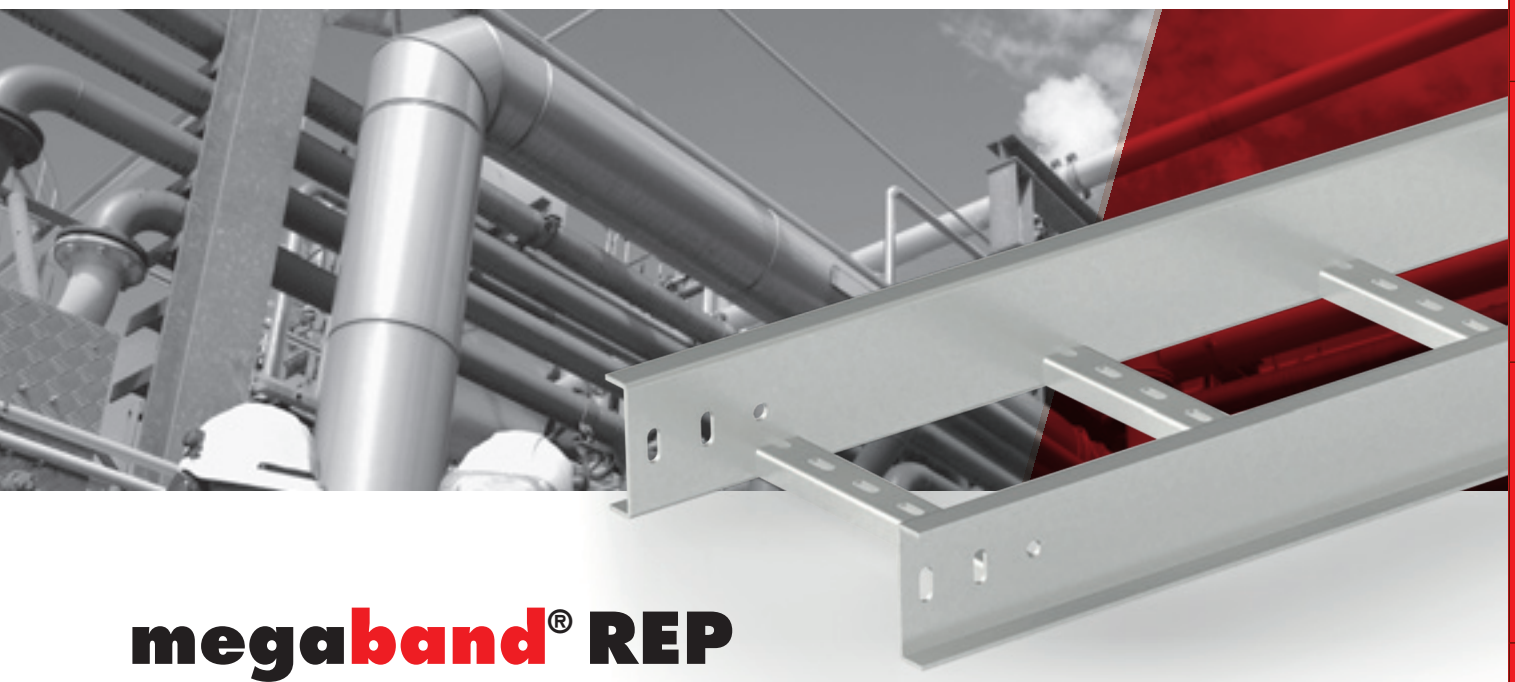
Heavy duty hot dip galvanised cable ladder for industrial environments

Echelle à câbles de galvanisation à chaud pour charges lourdes et environnements industriels

Calha de Escada em aço galvanizado a quente para grandes cargas e ambientes industriais







megaband® REP

Bandeja de escalera de acero galvanizado en caliente para grandes cargas e industria pesada

Heavy duty hot dip galvanised cable ladder for industrial environments
Echelle à câbles de galvanisation à chaud pour charges lourdes et environnements industriels
Calha de Escada em aço galvanizado a quente para grandes cargas e ambientes industriais

Ventajas y Características / *Advantages and features* / *Avantages et Caractéristiques* / *Vantagens e Caracteristícas*

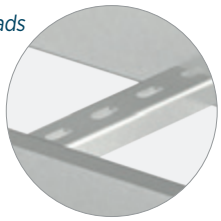
GC

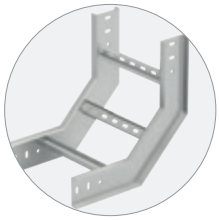
Galvanizado en Caliente. 85 micras. Clase 8 según IEC 61537
Hot Dip Galvanised. 85 microns. Class 8 acc. to IEC 61537
Galvanisation à chaud. 85 microns. Classe 8 selon IEC 61537
Galvanizado a Quente. 85 microns. Classe 8 conforme IEC 61537

REPSOL

Cumple con especificacion ED-P-11-02
Complies with ED-P-11-02 specification
Conforme specification ED-P-11-02
Comforme especificação ED-P-11-02

Espesores elevados. 3 y 4 mm. Grandes Cargas
High thickness. 3 and 4 mm for Heavy Duty Loads
Epaisseurs supérieures, 3 et 4 mm. Charges lourdes
Elevada espessura. 3 e 4 mm. Grandes cargas





Amplia gama de accesorios
Wide range of accessories
Large gamme d'accessoires
Ampla gama de acessórios



Industria Petroquímica
Petrochemical Industry
Industrie Petrochemique
Indústria Petroquímica



Oil & Gas



Centrales de Energía
Energy Power Stations
Centrales d'énergie
Plantas de Energia



Minería y Cementera
Mining and Cement
Minière et du Ciment
Mineração e Cimenteira

pemsa

megaband® REP

70, 100, 120

Bandeja de escalera de acero galvanizado en caliente para grandes cargas y ambientes industriales

Heavy duty hot dip galvanised cable ladder for industrial environments

Echelle à câbles de galvanisation à chaud pour charges lourdes et environnements industriels

Calha de Escada em aço galvanizado a quente para grandes cargas e ambientes industriais

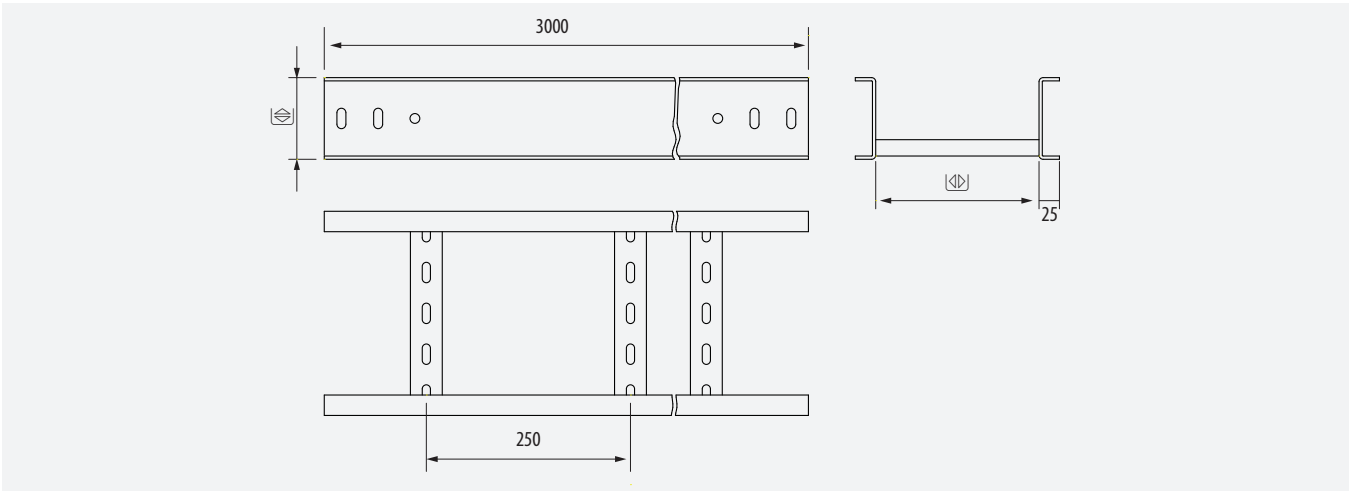
70, 100, 120 • 100-600 • 3000, 6000

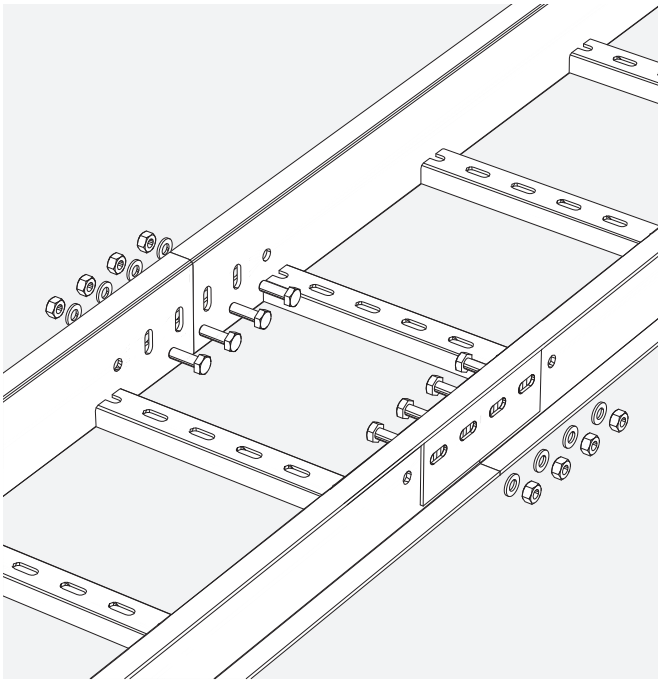
CE IEC 61537 REPSOL ED-P 11-02

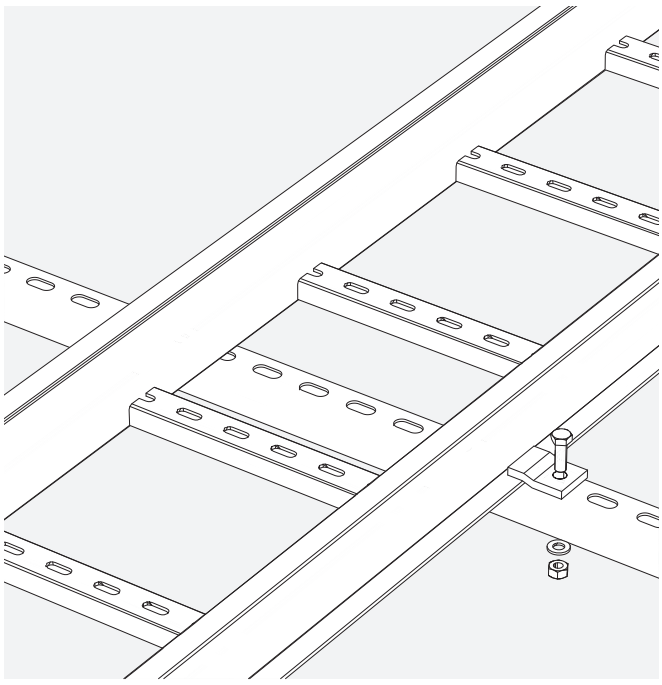
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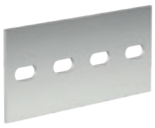
3000				
		GC	kg/m	
70	100	82002368	7,800	3
	200	82002369	8,400	3
100	300	82002370	11,100	3
	400	82002371	11,700	3
120	600	82002372	14,300	3







Kit unión REP
REP Joint Kit
Kit Èclisse REP
Kit União REP

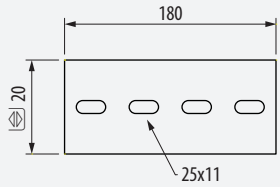


CE IEC 61537 REPSOL ED-P 11-02

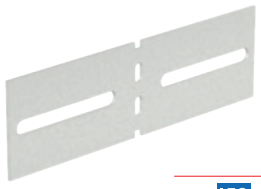
		Ref	kg/u	
GC	50	82002378	0,200	1
	80	82002379	0,330	1

100-600

Kit formado por 2 Uniones + 8 Tornillos c/DIN603 M10x20 304+ 8 Tuercas hexagonales M10 304 + 8 Arandelas planas M10 304
Kit composed by 2 Couplers + 8 c/DIN603 M10x20 304 Screws + 8 M10 304 Hexagonal Nuts + 8 M10 304 Washers



Bisagra horizontal REP
REP Horizontal Hinge
Charniere Horizontale REP
Uniao Variavel Horizontal REP

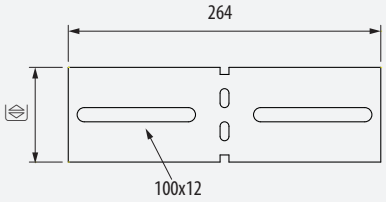


CE IEC 61537 REPSOL ED-P 11-02

		Ref	kg/u	
GC	50	82002466	0,270	1
	80	82002467	0,460	1

100-600

Kit formado por 2 Uniones + 8 Tornillos c/DIN603 M10x20 304+ 8 Tuercas hexagonales M10 304 + 8 Arandelas planas M10 304
Kit composed by 2 Couplers + 8 c/DIN603 M10x20 304 Screws + 8 M10 304 Hexagonal Nuts + 8 M10 304 Washers



Bisagra vertical REP
REP Riser/Dropper
Charniere Verticale REP
Uniao Variavel Vertical REP

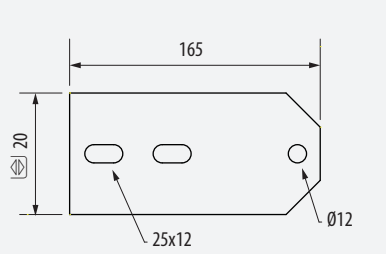


CE IEC 61537 REPSOL ED-P 11-02

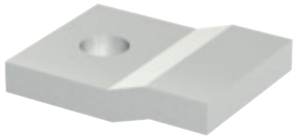
		Ref	kg/u	
GC	50	82002468	0,190	1
	80	82002469	0,300	1

100-600

Formado por 4 Bisagras + 10 Tornillos c/DIN603 M10x20 304 + 10 Tuercas hexagonales M10 304 + 10 Arandelas planas M10 304
Composed by 4 Riser/Dropper + 10 c/DIN603 M10x20 304 Screws + 10 M10 304 Hexagonal Nuts + 10 M10 304 Washers



Fijacion REP
REP Hold Down Clamp
Bride pour console REP
Fixacao REP

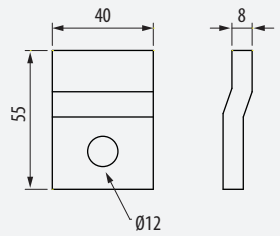


CE IEC 61537 REPSOL ED-P 11-02

	Ref	kg/u	
GC	82002470	0,140	1

100-600

Kit formado por 4 Fijaciones + 4 Tornillos c/DIN603 M10x20 304 + 4 Tuercas hexagonales M10 304 + 4 Arandelas planas M10 304
Kit composed by 4 Clamps + 4 c/DIN933 M10x30 304 Screws + 4 M10 304 Hexagonal Nuts + 4 M10 304 WashersM10 304



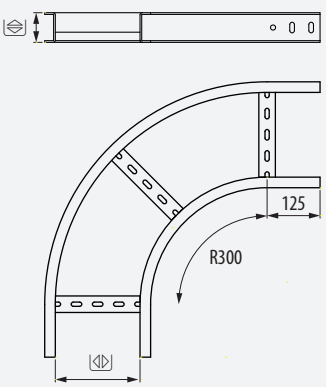
Curva 90° REP
REP 90° Bend
Courbe 90° REP
Curva 90° REP



CE IEC 61537 REPSOL ED-P 11-02

			Ref	kg/u	
GC	70	100	82002433	6,100	1
		200	82002434	7,200	1
	100	300	82002435	10,600	1
		400	82002436	12,000	1
	120	600	82002437	17,300	1

100-600



Cambio de Nivel Concavo CNC REP

REP 90˚ Inside Riser

Changeur de niveau CNC 90˚ REP

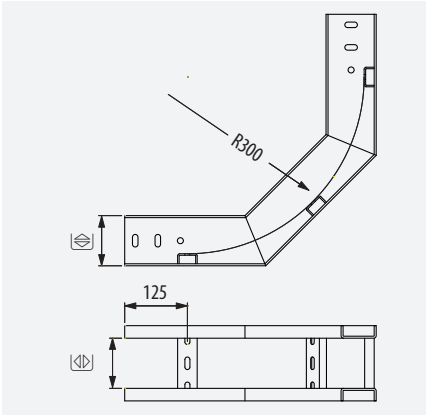
Subida CNC 90º REP



CE IEC 61537 REPSOL ED-P 11-02

• 100-600

S			Ref	kg/u	
GC	70	100	82002443	5,600	1
		200	82002444	6,100	1
	100	300	82002445	8,200	1
		400	82002446	8,700	1
	120	600	82002447	10,900	1

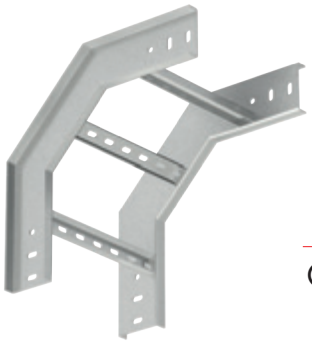


Cambio de Nivel Convexo CNV REP

REP 90˚ Outside Riser

Changeur de niveau CNV 90º REP

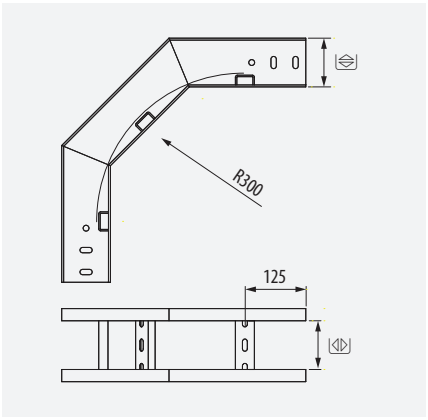
Descida CNV REP



CE IEC 61537 REPSOL ED-P 11-02

• 100-600

S			Ref	kg/u	
GC	70	100	82002448	5,600	1
		200	82002449	6,100	1
	100	300	82002450	8,200	1
		400	82002451	8,700	1
	120	600	82002452	10,900	1



Derivación T REP

REP Tee

Dérivation T REP

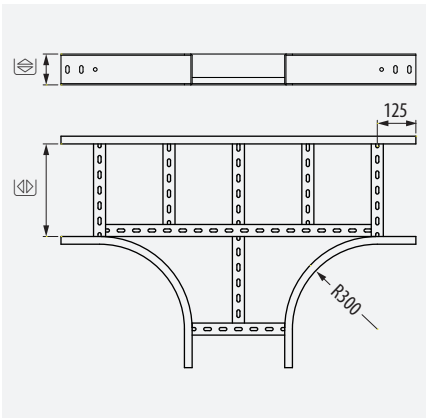
Derivação T REP



CE IEC 61537 REPSOL ED-P 11-02

• 100-600

S			Ref	kg/u	
GC	70	100	82002428	9,500	1
		200	82002429	12,200	1
	100	300	82002430	16,300	1
		400	82002431	17,900	1
	120	600	82002432	24,400	1



Cruce REP

REP Crossover

Croisement REP

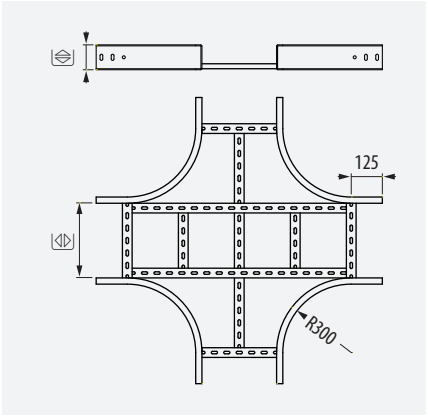
Cruzeta REP



CE IEC 61537 REPSOL ED-P 11-02

• 100-600

S			Ref	kg/u	
GC	70	100	82002438	12,800	1
		200	82002439	15,300	1
	100	300	82002440	19,700	1
		400	82002441	21,100	1
	120	600	82002442	27,800	1



Reducción Central REP

REP Central reducer

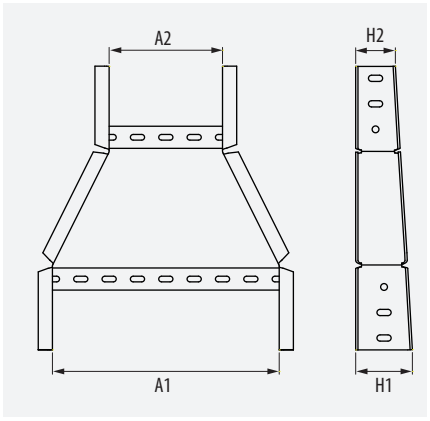
Réduction centrale REP

Redução Central REP



CE IEC 61537 ED-P 11-02

	H1	H2	A1	A2	Ref	kg/u	
GC	70	70	200	100	82002425	3,900	1
	100	70	400	200	82002426	5,000	1
	120	100	600	400	82002427	6,600	1

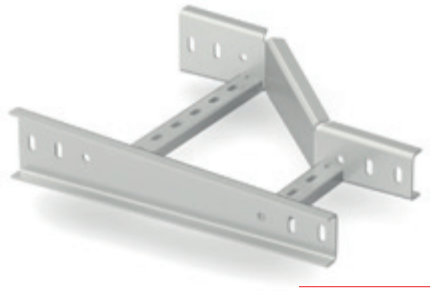


Reducción Derecha REP

REP Right Reducer

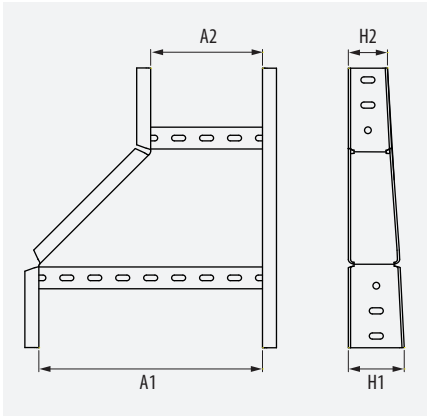
Réduction Droite REP

Redução Direita REP



CE IEC 61537 ED-P 11-02

	H1	H2	A1	A2	Ref	kg/u	
GC	70	70	200	100	82002407	3,900	1
	100	70	400	200	82002420	5,000	1
	120	100	600	400	82002421	6,600	1



Reducción Izquierda REP

REP Left Reducer

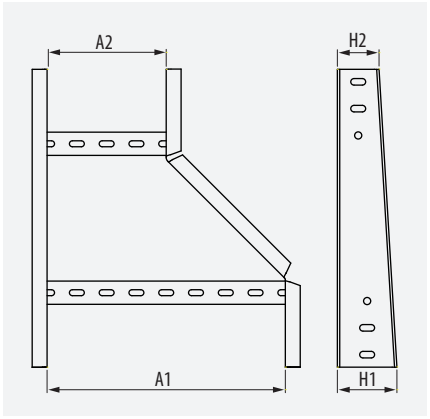
Réduction Gauche REP

Redução Esquerda REP



CE IEC 61537 ED-P 11-02

	H1	H2	A1	A2	Ref	kg/u	
GC	70	70	200	100	82002422	3,900	1
	100	70	400	200	82002423	5,000	1
	120	100	600	400	82002424	6,600	1



megaband® CPS

Bandeja de escalera de aluminio para grandes cargas y ambientes agresivos

Aluminium heavy duty cable ladder for aggressive environments

Echelle à câbles en aluminum pour charges lourdes et environnements agressifs

Calha de escada de aluminio para grandes cargas e e ambientes agressivos







megaband® CPS

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Calha de escada de aluminio para grandes cargas e e ambientes agressivos

Ventajas y Características / *Advantages and features* / *Avantages et Caractéristiques* / *Vantagens e Caracteristícas*

Aluminio 6063T6. Alta resistencia a la corrosión y excelentes propiedades mecánicas

AL

Aluminium 6063T6. High corrosion resistance and excellent mechanical properties

Aluminium 6063T6. Haute résistance à la corrosion et excellentes propriétés mécaniques

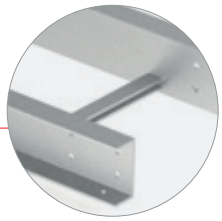
Alumínio 6063T6. Alta resistência à corrosão e excelentes propriedades mecânicas.

Espesores elevados. 5 y 4,5 mm. Grandes Cargas

High thickness. 5 and 4,5 mm for Heavy Duty Loads

Epaisseurs supérieures, 5 et 4,5 mm. Charges lourdes

Elevada espessura. 5 e 4,5 mm. Grandes cargas



CEPSA

Cumple con especificacion ESP-2208-5

Complies with ESP-2208-5 specification

Conforme specification ESP-2208-5

Comforme especificação ESP-2208-5



Amplia gama de accesorios

Wide range of accessories

Large gamme d'accessoires

Ampla gama de acessórios

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Industria Petroquímica
IPetrochemical Industry
Industrie Petrochemique
Indústria Petroquímica



Oil & Gas



Offshore, Ports
Offshore, Puertos
Offshore, Ports
Offshore, Portos



Energy Power Stations
Centrales de Energía
Centrales d'énergie
Plantas de Energia

pemsa

megaband® CPS

100

Bandeja de escalera de aluminio para grandes cargas y ambientes agresivos

Aluminium heavy duty cable ladder for aggressive environments

Echelle à câbles en aluminum pour charges lourdes et environnements agressifs

Calha de escada de aluminio para grandes cargas e e ambientes agressivos

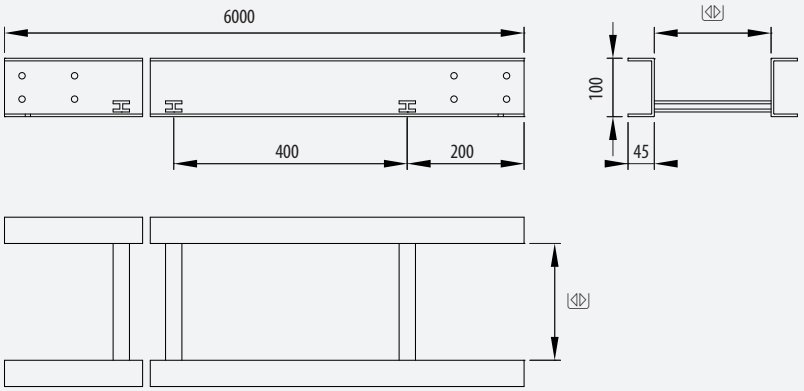
100• 200-600 • 6000

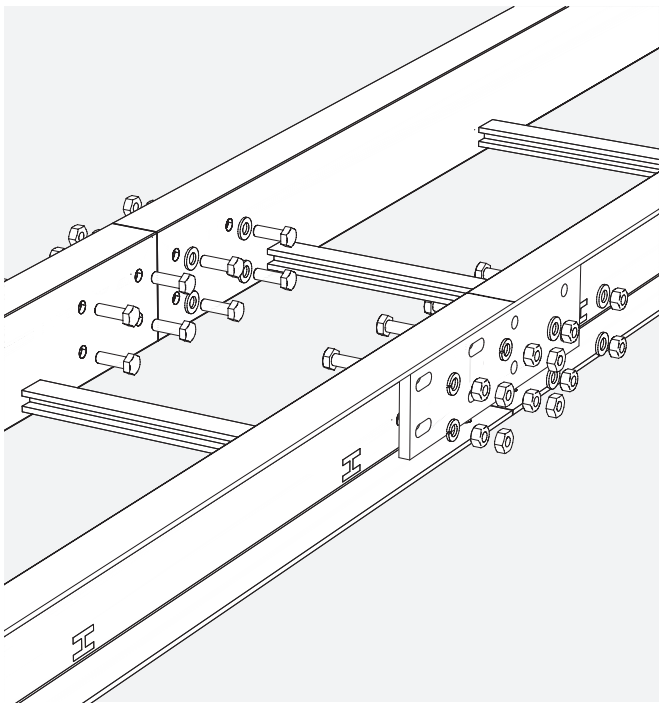


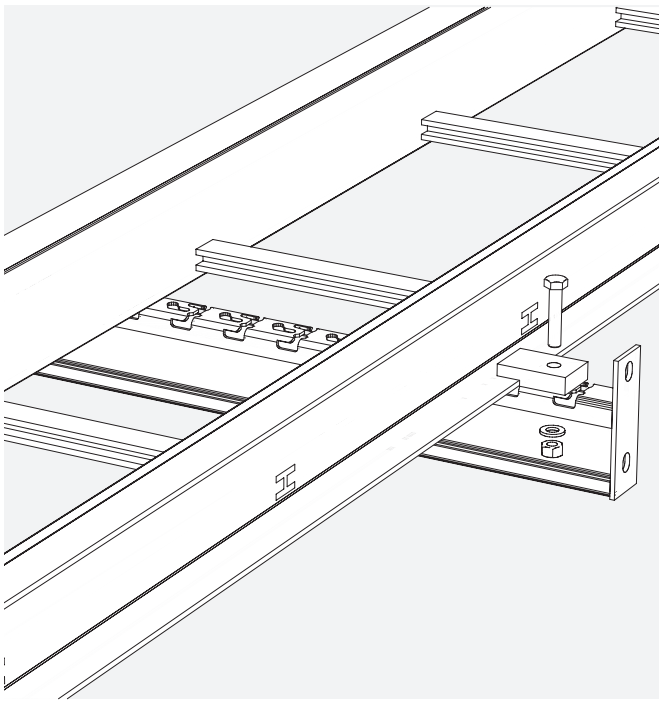
		AL	kg/m	u
100	200	82000057	4,833	6
	300	82000058	5,050	6
	400	82000059	5,267	6
	600	82000060	5,717	6

CEPSA ESP-2208-5 IEC 61537 CE

ETIM: EC000854





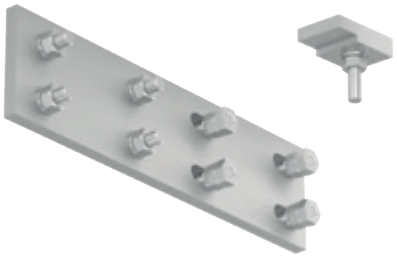


Kit Unión Recta (KUR) MGB CPS

MGB CPS Straight Joint Kit (KUR)

Kit union droite (KUR) MGB CPS

Kit de União Reta (KUR) MGB CPS



ESP-2208-5 IEC 61537 CE

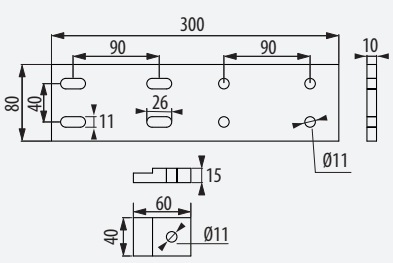
100 • 200-600

	Ref	kg/u	u
AL	82002346	0,665	1

Formado por: 1 Unión + 1 Fijación a Soporte + 8xTornillo DIN933 M10x30 + 1 Tornillo DIN933 M10x50 + 13xTuerca DIN934 M10 + 9xArandela DIN125 M10 + 4xArandela Grower DIN127

Composed by: 1 Straigth Joints + 1 Hold Down Clamp + 8xDN933 M10x30 Screws + 1xDN933 M10x50 Screws + 13xDIN934 M10 Nuts + 9xDIN125 M10 Washers + 4 DIN127 M10 Grower Washers.

ETIM: EC002413

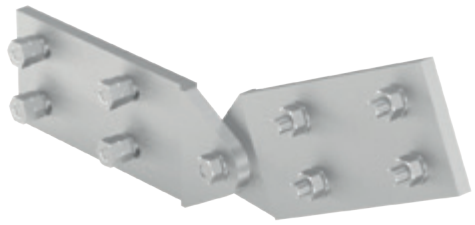


Kit Unión Articulada (KUA) MGB CPS

A MGB CPS rticulated Joint Kit (KUA)

Kit de joint articulé (KUA) MGB CPS

Kit de União Articulada (KUA) MGB CPS



ESP-2208-5 IEC 61537 CE

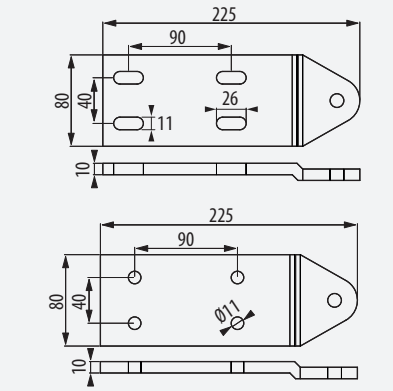
100 • 200-600

	Ref	kg/u	u
AL	82002347	0,997	1

Formado por: 2xBisagra + 9xTornillo DIN933 M10x30 + 13xTuerca DIN934 M10 + 9xArandela DIN125 M10 + 4xArandela Grower DIN127

Composed by: 2xRiser/Dropper + 9xDN933 M10x30 Screws + 13xDIN934 M10 Nuts + 9xDIN125 M10 Washers + 4 DIN127 M10 Grower Washers.

ETIM: EC002413



Fijación Tapa MGB CPS

MGB CPS Cover fixing

Fixation de la couverture MGB CPS

Fixação da tampa MGB CPS



ESP-2208-5 IEC 61537 CE

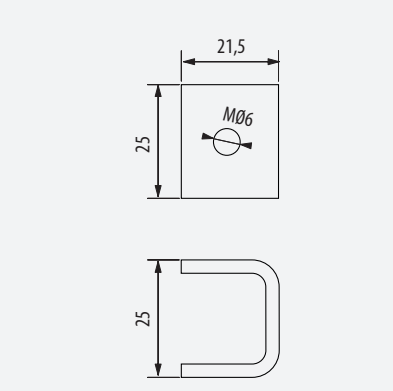
100 • 200-600

	Ref	kg/u	u
AL	82002345	0,012	4

Tornillo Hexagonal M6x25 incluido

M6x25 Hexagonal Screw included

ETIM: EC002403

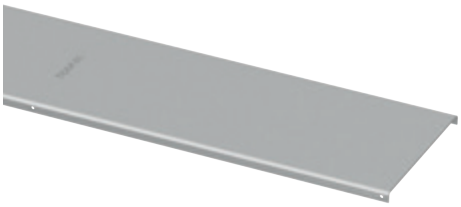


MGB CPS Cover Megaband CPS

Tapa Megaband CPS MGB CPS

Couverture Megaband CPS MGB CPS

Tampa Megaband CPS MGB CPS

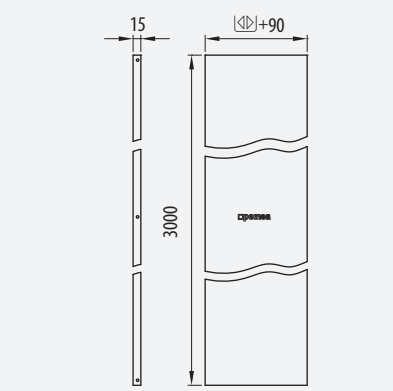


ESP-2208-5 IEC 61537 CE

100 • 200-600

		Ref	kg/u	m
AL	200	81000048	1,280	6
	300	81000049	1,680	6
	400	81000050	2,090	6
	600	81000051	2,900	6

ETIM: EC002413

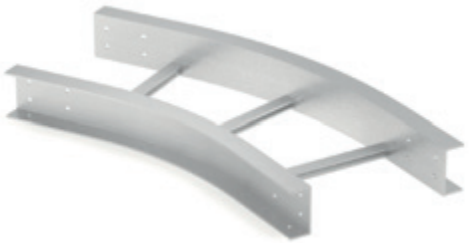


MGB CPS 30º Bend

Curva 30º MGB CPS

Courbe 30º MGB CPS

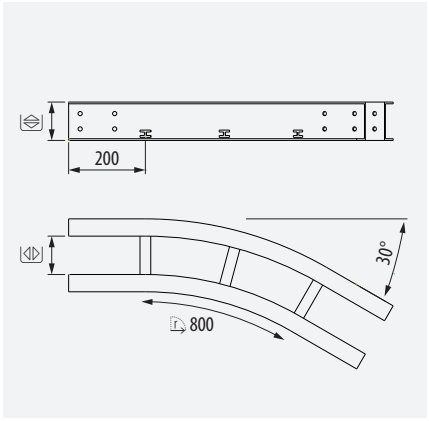
Curva 30º MGB CPS



ESP-2208-5 IEC 61537 CE

• 100 • 200-600				
		AL	kg/u	
100	200	82002323	4,300	1
	300	82002324	4,700	1
	400	82002325	5,100	1
	600	82002326	5,900	1

ETIM: EC002399



Curva 45º MGB CPS

MGB CPS 45º Bend

Courbe 45º MGB CPS

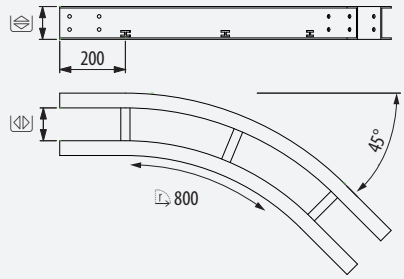
Curva 45º MGB CPS



ESP-2208-5 IEC 61537 CE

• 100 • 200-600				
		AL	kg/u	
100	200	82002327	5,400	1
	300	82002328	5,800	1
	400	82002329	6,200	1
	600	82002330	7,600	1

ETIM: EC002399



Curva 90º MGB CPS

MGB CPS 90º Bend

Courbe 90º MGB CPS

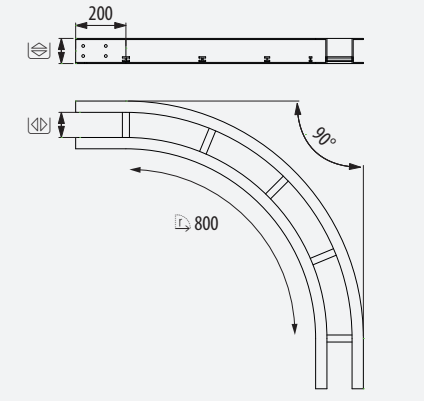
Curva 90º MGB CPS



ESP-2208-5 IEC 61537 CE

• 100 • 200-600				
		AL	kg/u	
100	200	82002331	8,800	1
	300	82002332	9,600	1
	400	82002333	10,800	1
	600	82002334	12,500	1

ETIM: EC002399



Cambio de Nivel Convexo 3° CNV MGB CPS

MGB CPS 30° Outside Riser

Changeur de niveau CNV 30° MGB CPS

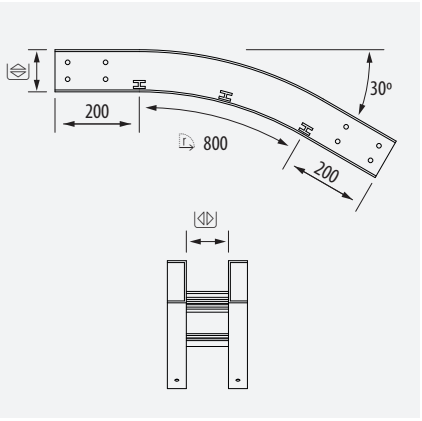
Descida CNV 30° MGB CPS



ESP-2208-5 IEC 61537 CE

• 100 • 200-600				
		AL	kg/u	u
100	200	82002311	4,200	1
	300	82002312	4,400	1
	400	82002313	4,700	1
	600	82002314	5,200	1

ETIM: EC001535



Cambio de Nivel Convexo 45° CNV MGB CPS

MGB CPS 45° Outside Riser

Changeur de niveau CNV 45° MGB CPS

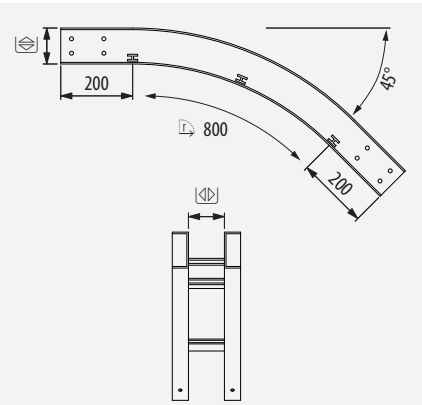
Descida CNV 45° MGB CPS



ESP-2208-5 IEC 61537 CE

• 100 • 200-600				
		AL	kg/u	u
100	200	82002315	5,100	1
	300	82002316	5,400	1
	400	82002317	5,600	1
	600	82002318	6,200	1

ETIM: EC001535



Cambio de Nivel Convexo 90° CNV MGB CPS

MGB CPS 90° Outside Riser

Changeur de niveau CNV 90° MGB CPS

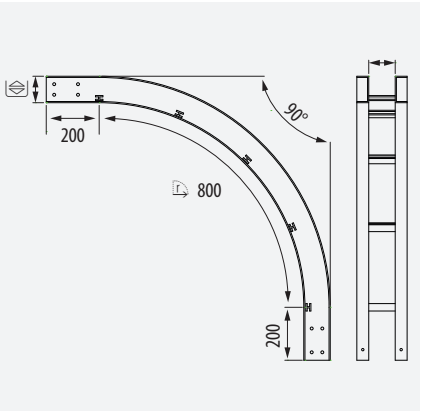
Descida CNV 90° MGB CPS



ESP-2208-5 IEC 61537 CE

• 100 • 200-600				
		AL	kg/u	u
100	200	82002319	8,300	1
	300	82002320	8,700	1
	400	82002321	9,200	1
	600	82002322	10,100	1

ETIM: EC001535



Cambio de Nivel Cóncavo 30° CNC MGB CPS

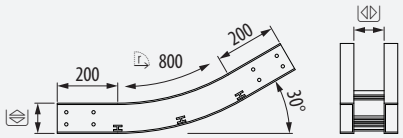
MGB CPS 30° Inside Riser
Changeur de niveau CNC 30° MGB CPS
Subida CNC 30° MGB CPS



ESP-2208-5 IEC 61537 CE

• 100 • 200-600				
		AL	kg/u	
100	200	82002299	4,100	1
	300	82002300	4,300	1
	400	82002301	4,600	1
	600	82002302	5,100	1

ETIM: EC001535



Cambio de Nivel Cóncavo 45° CNC MGB CPS

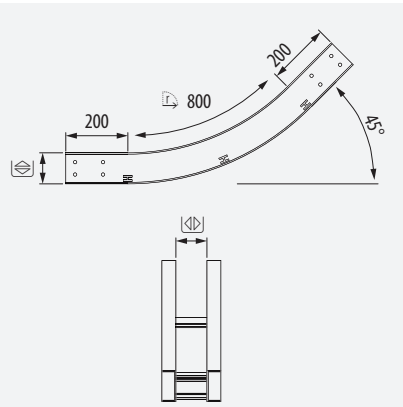
MGB CPS 45° Inside Riser
Changeur de niveau CNC 45° MGB CPS
Subida CNC 45° MGB CPS



ESP-2208-5 IEC 61537 CE

• 100 • 200-600				
		AL	kg/u	
100	200	82002303	4,900	1
	300	82002304	5,200	1
	400	82002305	5,500	1
	600	82002306	6,000	1

ETIM: EC001535



MGB CPS 90° Inside Riser

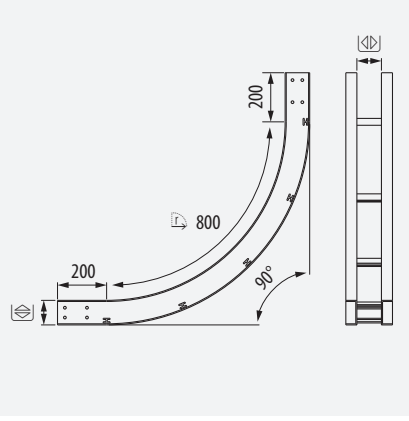
Cambio de Nivel Cóncavo 90° CNC MGB CPS
Changeur de niveau CNC 90° MGB CPS
Subida CNC 90° MGB CPS



ESP-2208-5 IEC 61537 CE

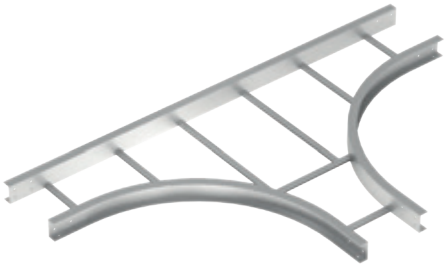
• 100 • 200-600				
		AL	kg/u	
100	200	82002307	8,000	1
	300	82002308	8,400	1
	400	82002309	8,900	1
	600	82002310	9,700	1

ETIM: EC001535



MGB CPS Tee

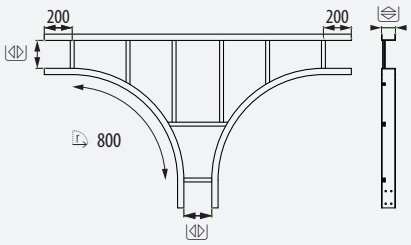
Derivación T MGB CPS
Dérivation T MGB CPS
Derivação T MGB CPS



ESP-2208-5 IEC 61537 CE

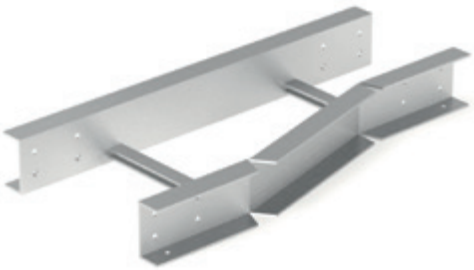
▭ • 100 • 200-600				
		AL	kg/u	u
100	200	82002335	14,500	1
	300	82002336	15,400	1
	400	82002337	16,300	1
	600	82002338	19,000	1

ETIM: EC001540



Reducción Izquierda MGB CPS

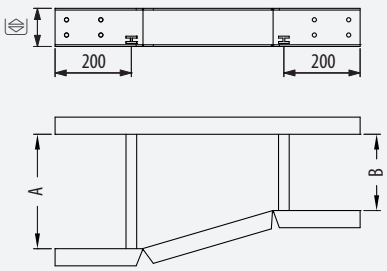
MGB CPS Left Reducer
Reduction Gauche MGB CPS
Redução Esquerda MGB CPS



ESP-2208-5 IEC 61537 CE

▭ • 100 • 300-600					
	(A)	(B)	AL	kg/u	u
100	300	200	82002339	3,900	1
	400	300	82002340	4,100	1
	600	400	82002341	4,400	1

ETIM: EC001007



Reducción Derecha MGB CPS

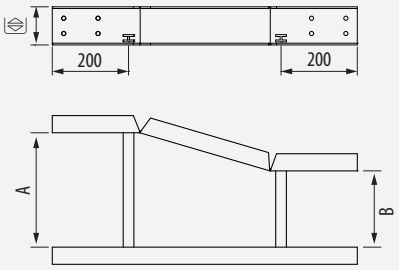
MGB CPS Right Reducer
Reduction Droite MGB CPS
Redução Direita MGB CPS



ESP-2208-5 IEC 61537 CE

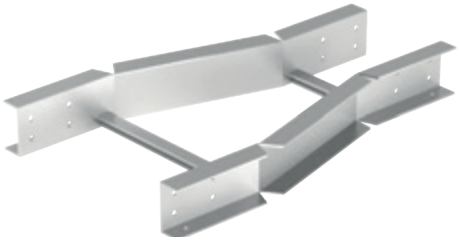
▭ • 100 • 300-600					
	(A)	(B)	AL	kg/u	u
100	300	200	82002342	3,900	1
	400	300	82002343	4,100	1
	600	400	82002344	4,400	1

ETIM: EC001007



Reducción Central MGB CPS

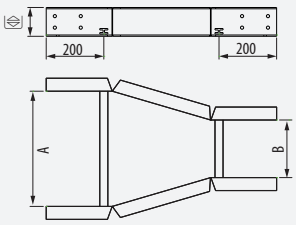
MGB CPS Central Reducer
Reduction Central MGB CPS
Redução Central MGB CPS



ESP-2208-5 IEC 61537 CE

▭ • 100 • 300-600					
	(A)	(B)	AL	kg/u	u
100	300	200	82002392	3,900	1
	400	300	82002393	4,100	1
	600	400	82002394	4,400	1

ETIM: EC001007



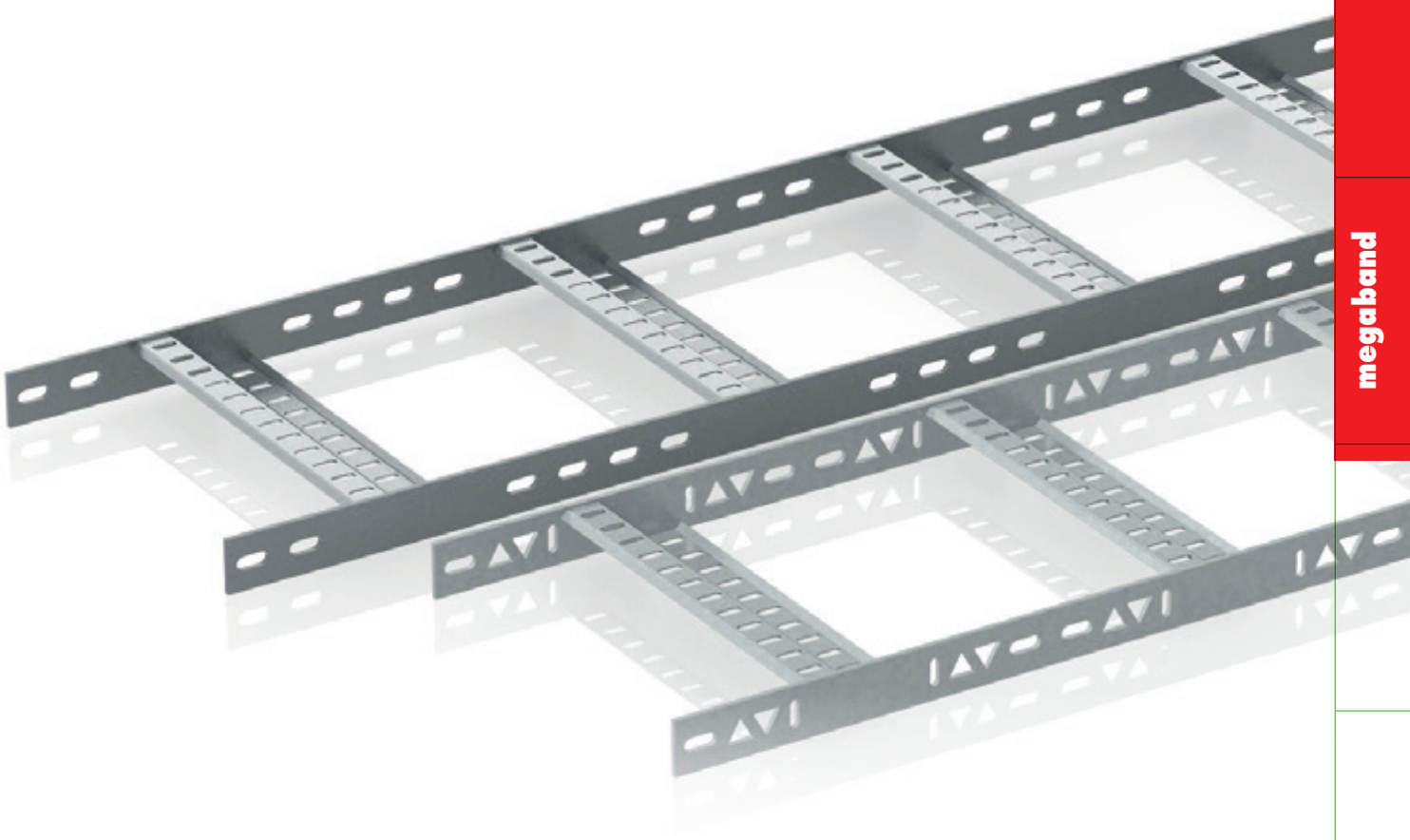
megaband® MARINE

Bandeja de escalera para Aplicaciones Navales y Offshore

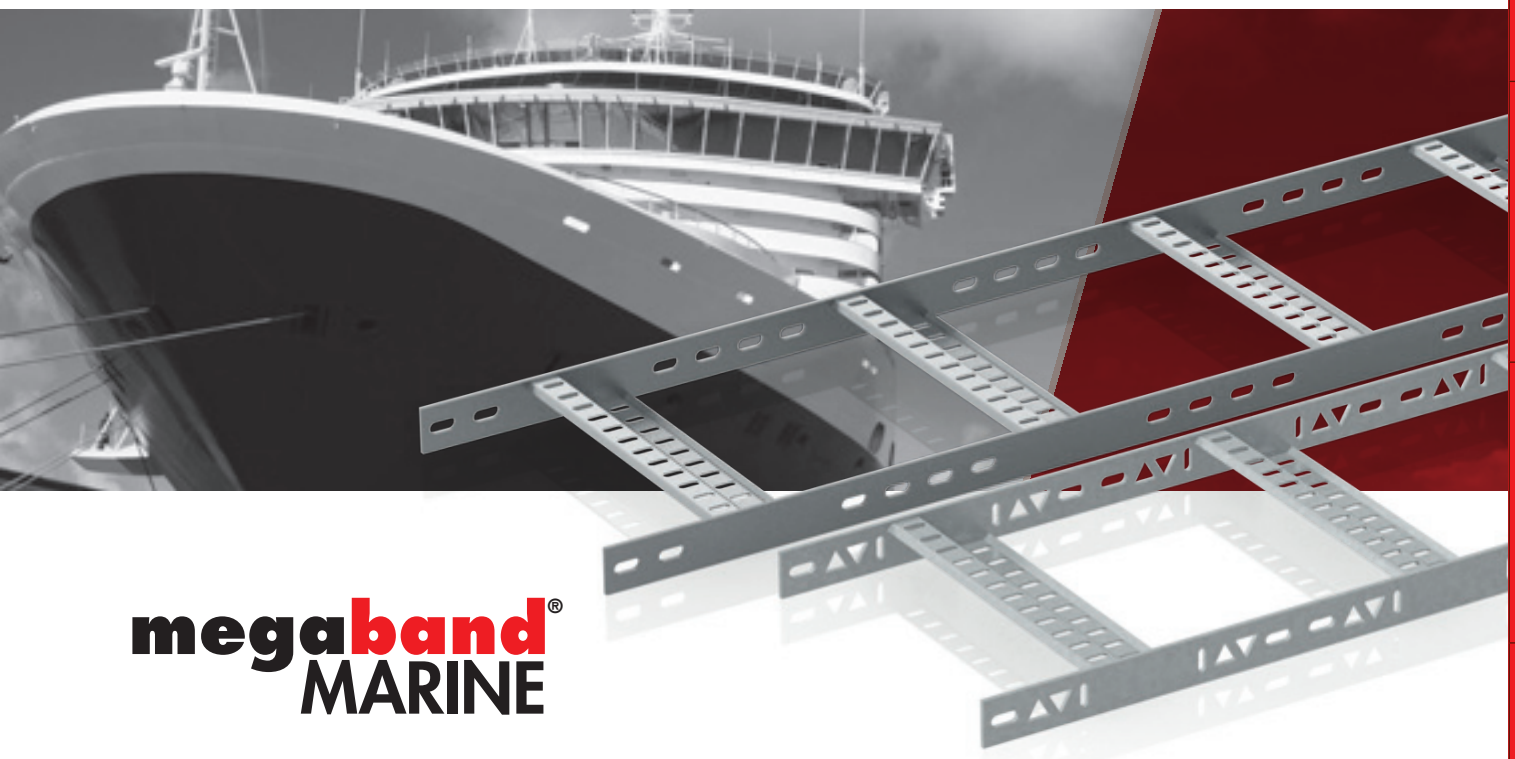
Cable ladder for Marine and Offshore Application

Echelle à cables pour l´Industrie Navale et Offshore

Calha de chapa perfurada para Aplicacoes Navais e Offshore







megaband MARINE

Bandeja de escalera para Aplicaciones Navales y Offshore

Cable ladder for Marine and Offshore Application

Echelle à cables pour l´Industrie Navale et Offshore

Calha de chapa perfurada para Aplicacoes Navais e Offshore

Ventajas y Características / *Advantages and features* / *Avantages et Caractéristiques* / *Vantagens e Caracteristícas*



Gama de accesorios, uniones, curvas, etc.

Wide range of accessories

Large gamme d'accessoires

Ampla gama de acessórios

Largueros con espesor de 4 mm

Straigth sections with 4 mm thickness

Sections droites de 4 mm d'épaisseur

Largueros com espesor de 4 mm

Excelente funcionalidad para el soporte de cables gracias a su configuración de travesaño y colisos

Excellent functionality for fixing and support cables thanks to its configuration of rungs and holes

Excellente fonctionnalité pour la fixation et le support de câbles grâce à sa configuration de traverses et des trous

Excelente funcionalidade para fixação e suporte cabos graças à sua configuração de travessas e buracos

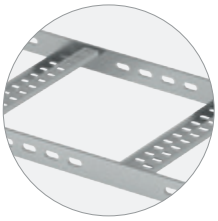


Ala 40 y longitud 2 metros se adapta a los espacios reducidos en galería de instalaciones de los barcos.

Sizes of 40 mm high and 2 meters length adapt to reduced spaces in ship installations

Des tailles de 40 mm de haut et de 2 mètres de longueur s'adaptent aux espaces réduits dans les installations de bateaux

Altura 40 mm e 2 metros de comprimento se adaptam a espaços reduzidos nas instalações de navios



GC	304	316L

Acabados de alta resistencia a la corrosión. Acabado galvanizado en caliente 85 micras. Aceros inoxidables AISI304 y AISI316L.

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

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

Galvanizado a Quente. 85 microns. Classe 8 conforme IEC 61537



Industria Naval

Marine Industry

Industrie Navale

Indústria Naval



Offshore, Puertos

Offshore, Ports

Offshore, Ports

Offshore, Portos

pemsa

megaband® MARINE

Bandeja de escalera para Aplicaciones Navales y Offshore

Cable ladder for Marine and Offshore Application

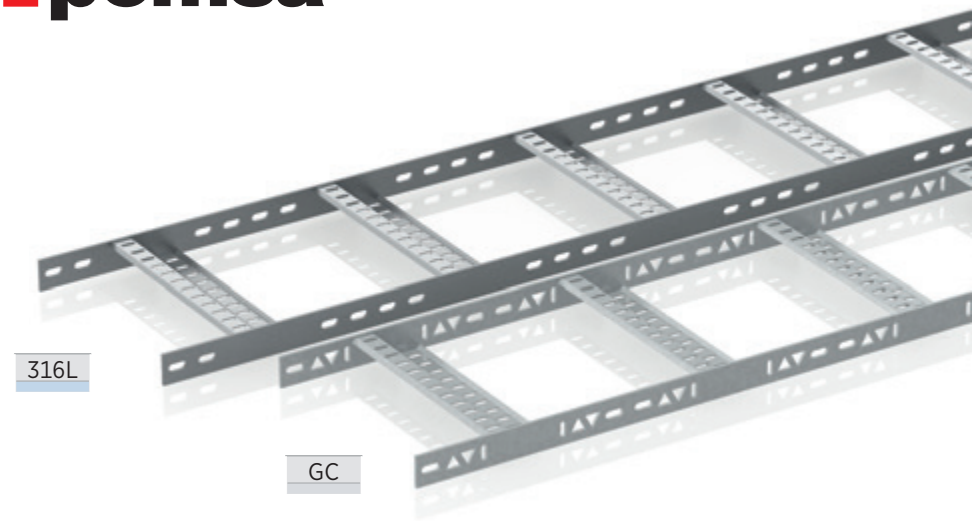
Echelle à cables pour l´Industrie Navale et Offshore

Calha de chapa perfurada para Aplicacoes Navais e Offshore

40 • 100-600 • 2000

CE IEC 61537

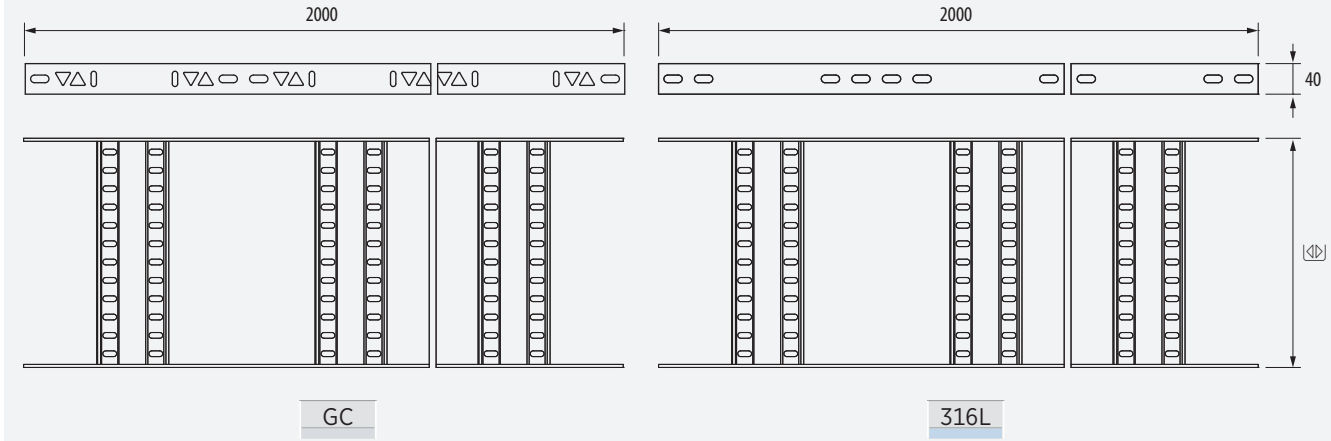
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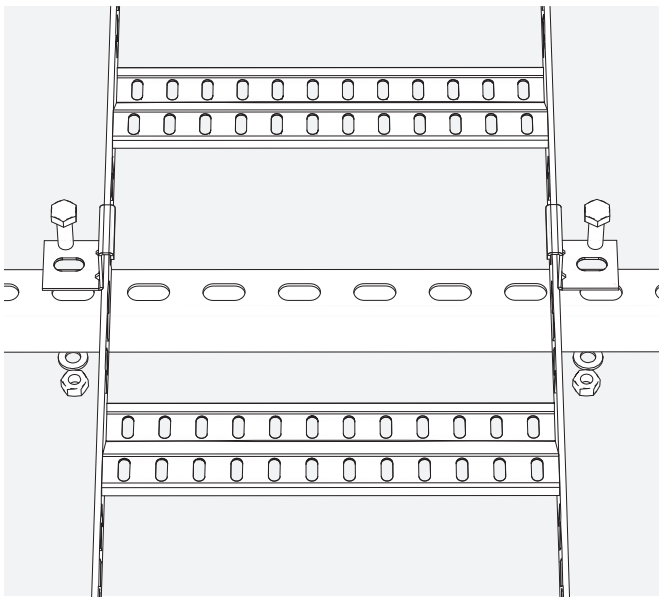
316L

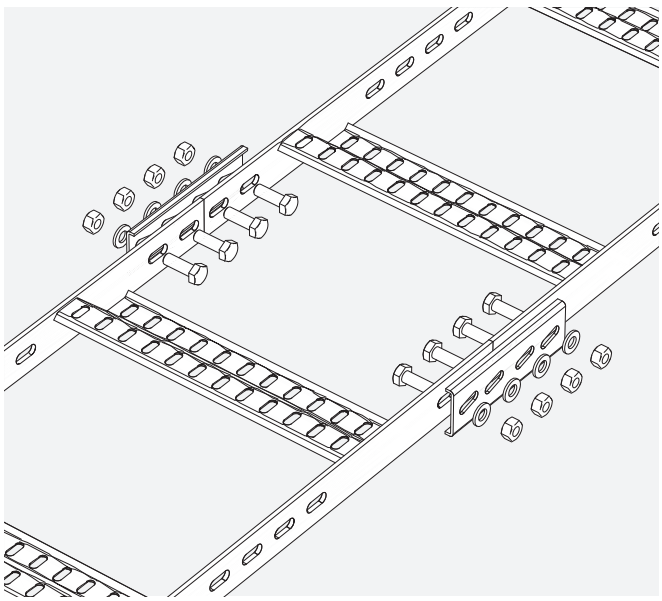
GC

	e(mm)	GC	316L	kg/m GC	kg/m316	
100	4	82003116	82003122	2,73	2,57	2
200	4	82003117	82003123	3,19	2,98	2
300	4	82003118	82003124	3,65	3,39	2
400	4	82003119	82003125	4,12	3,8	2
500	4	82003120	82003126	4,58	4,2	2
600	4	82003121	82003127	5,05	4,61	2



GC 316L



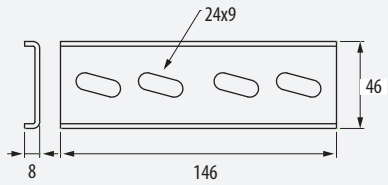


Unión megaband® Marine
Coupler megaband® Marine
Èclisse megaband® Marine
União megaband® Marine



• 100-600

Ⓢ	Ref	kg/u	
GC	82003130	0,150	10
316L	82003131	0,150	10



Kit Unión
Joint Kit
Francés
Kit União

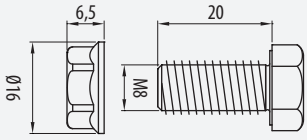


• 60-150 • 100-600

Ⓢ	M	Ref 1	Ref 2	
316L	M8x20+M8	67060065	67060062	100

• 60-150 • 100-600

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



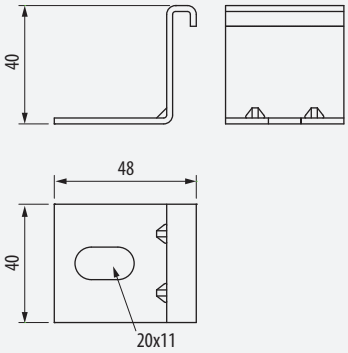
Fijación megaband® Marine
Hold Down Clamp megaband® Marine
Bride pour console megaband® Marine
Fixação megaband® Marine



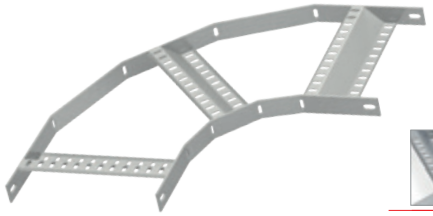
60-85-100-120 • 100-1000

Ⓢ	Ref	kg/u	
GC	82003128	0,023	10
316L	82003129	0,029	10

ETIM: EC002380

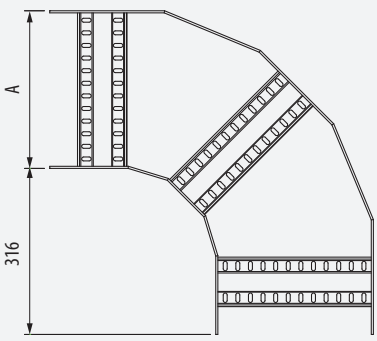


Curva 90° megaband® Marine
90° bend megaband® Marine
Courbe 90° megaband® Marine
Curva 90° megaband® Marine



• 100-600

	GC	316L	e(mm)	kg/u	
100	82003132	82003138	4	1,860	1
200	82003133	82003139	4	2,410	1
300	82003134	82003140	4	2,970	1
400	82003135	82003141	4	3,520	1
500	82003136	82003142	4	4,070	1
600	82003137	82003143	4	4,630	1



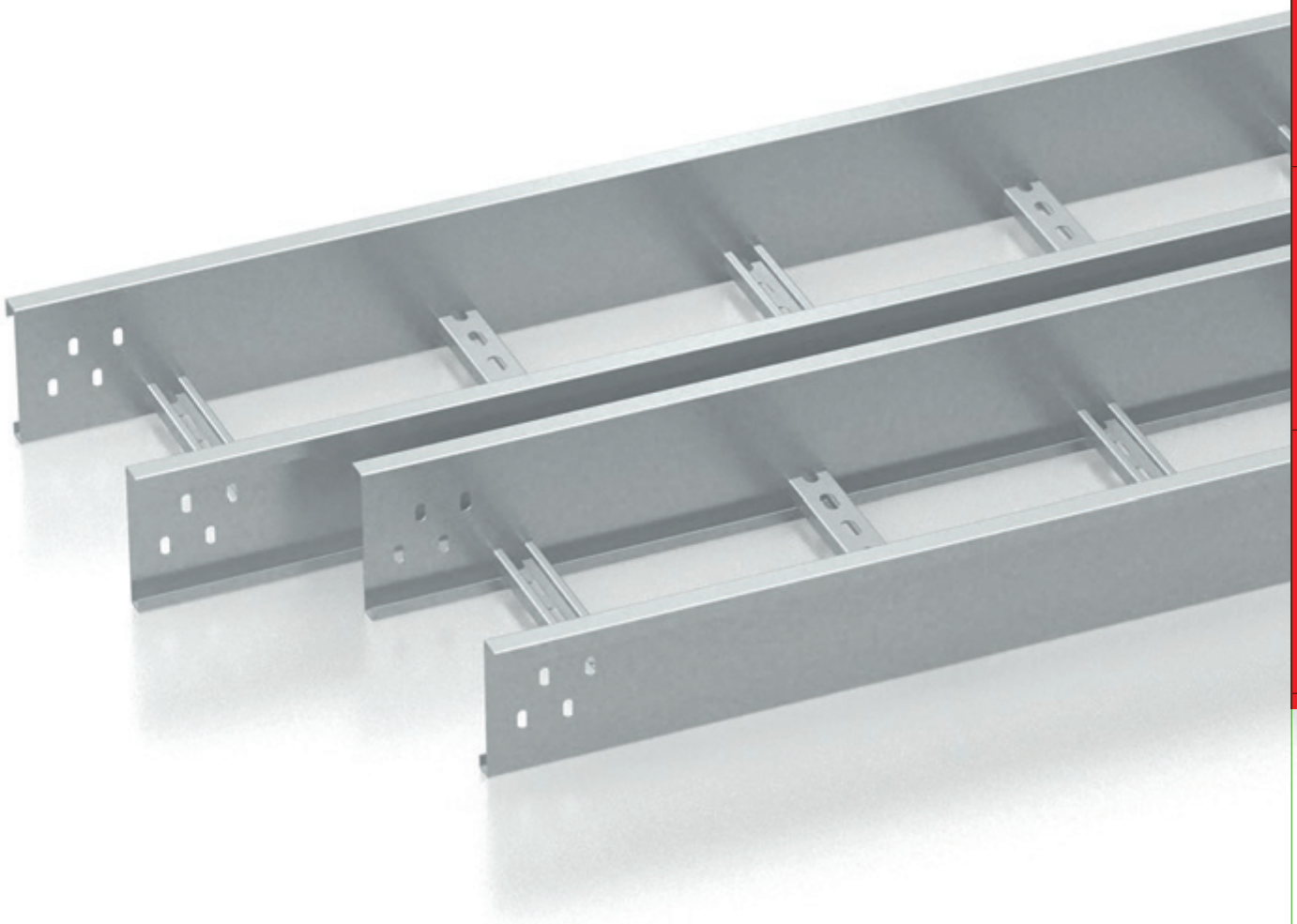
nemaband®

Bandeja de escalera para aplicaciones industriales y grandes vanos

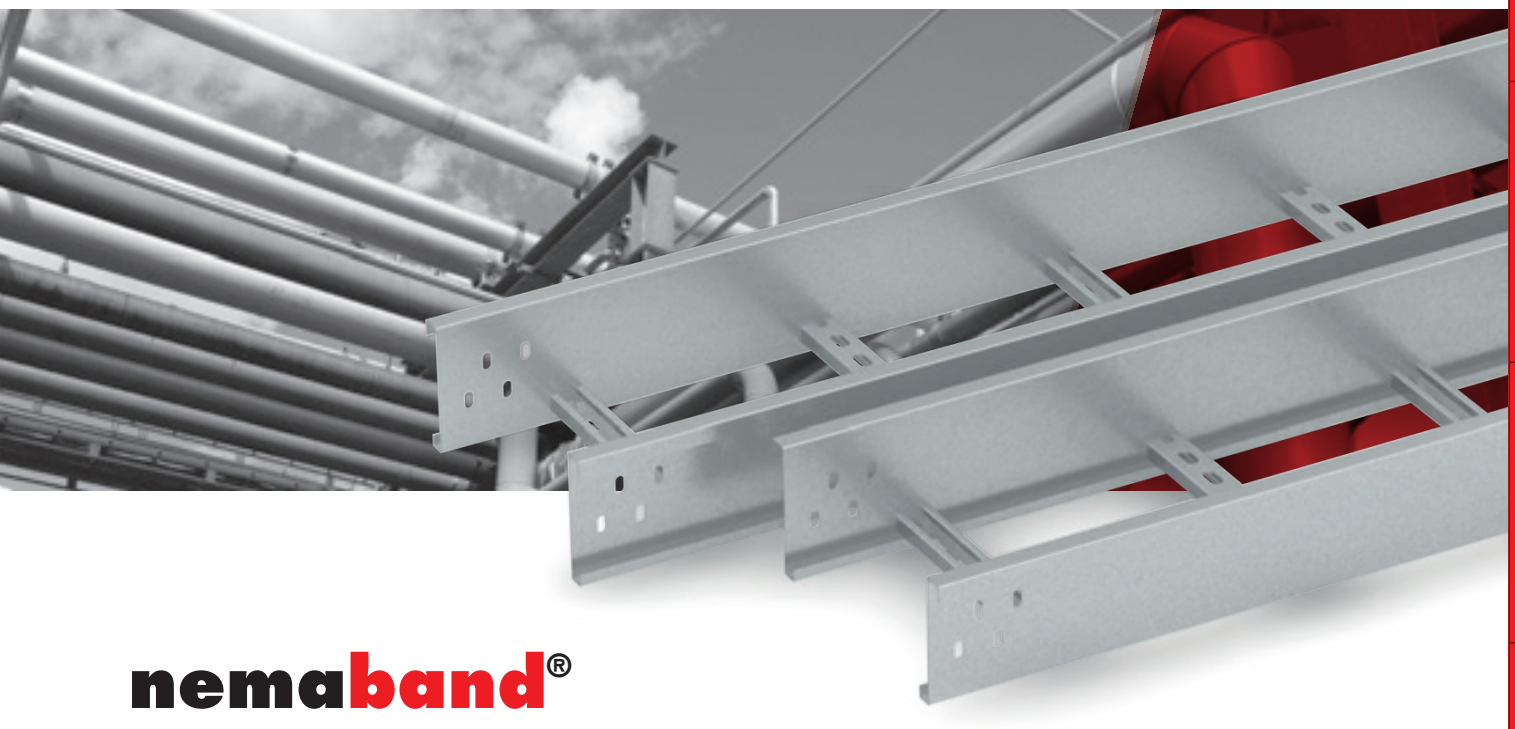
Cable ladder for industrial and wide span applications

Échelle à câbles très lourde pour applications industrielles

Calha de escada para aplicações e grandes vãos







nemaband®

Bandeja de escalera para aplicaciones industriales y grandes vanos

Cable ladder for industrial and wide span applications

Échelle à câbles très lourde pour applications industrielles

Calha de escada para aplicações e grandes vãos

Ventajas y Características / *Advantages and features* / *Avantages et Caractéristiques* / *Vantagens e Caracteristícas*

Clasificacion 20C, segun norma NEMA VE1. 149 kg con distancia entre soportes de 6 metros

20 C Classification acc to NEMA VE1. 149 Kg with 6 meters span

Classification 20C, selon la norme NEMA VE1. 149 kg avec distance entre les supports de 6 mètres

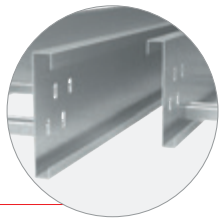
Classificação 20C, de acordo com a norma NEMA VE1. 149 kg com distância entre apoios de 6 metros

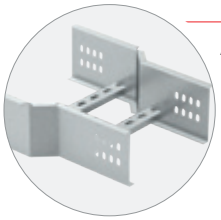
Perfiles reforzados en formato Z y C. Gran capacidad de carga

Z and C shape reinforced profiles. Heavy duty loads

Profils renforcés en format Z et C. Charges lourdes

Perfis reforçados nos formatos Z e C. Grande capacidade de cargas





Amplia gama de medidas, accesorios, curvas, etc.

Wide range of sizes, accessories, bends, etc.

Large gamme d'accessoires

Ampla gama de acessórios

GC

Acabado de alta resistencia a la corrosión. Acabado galvanizado en caliente 85 micras

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

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

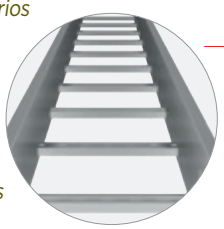
Galvanizado a Quente. 85 microns. Classe 8 conforme IEC 61537

Longitudes 3 y 6 metros

3 and 6 meters length

Longueurs 3 et 6 mètres

Comprimento 3 e 6 metros





Oil & Gas



Centrales de Energía
Energy Power Stations
Centrales d'énergie
Plantas de Energia



I. Tratamiento de Agua
Water treatment Industry
I. Traitement de l'eau
I. Tratamento de água



Minería y Cementera
Mining and Cement
Minière et Ciment
Mineração e Cimenteira



Offshore, Puertos
Offshore, Ports
Offshore, Ports
Offshore, Portos

pemsa

nemaband®

100, 150

Bandeja de escalera para grandes vanos

Wide span cable ladder

Echelle à câbles pour charges lourdes

Calha de escada para grandes cargas



100, 150 • 100-1000 • 3000, 6000

CE IEC 61537 NEMA VE-1 20C

ETIM: EC000854

Perfil C / C Profile

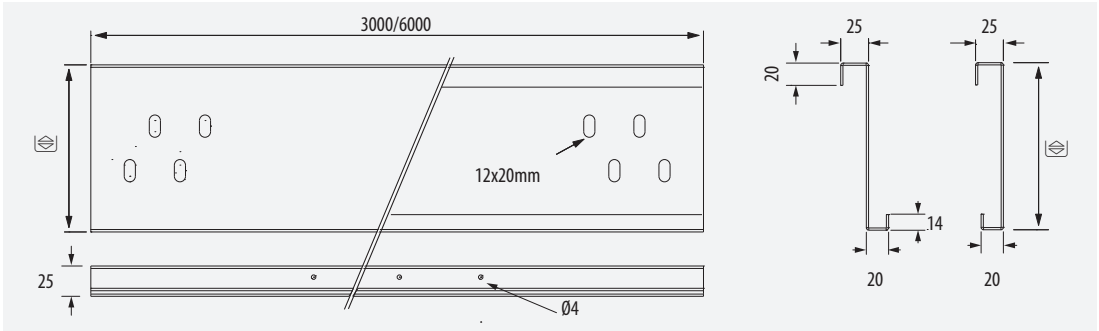
		GC - 6m	kg/m	
100	150	82002711	7,608	3/6
	300	82002712	7,687	3/6
	450	82002713	7,727	3/6
	600	82002714	7,807	3/6
	750	82002715	7,846	3/6
	900	82002716	7,926	3/6
150	150	82002717	7,770	3/6
	300	82002718	7,850	3/6
	450	82002719	7,889	3/6
	600	82002720	7,969	3/6
	750	82002721	8,009	3/6
	900	82002722	8,088	3/6

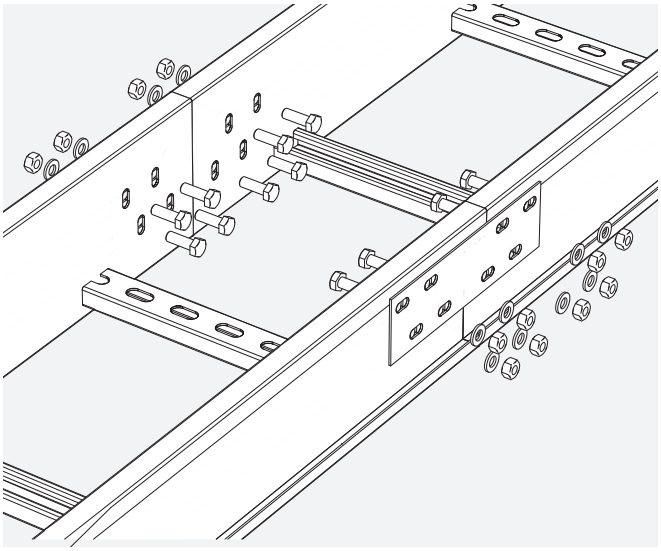
Perfil Z / Z Profile

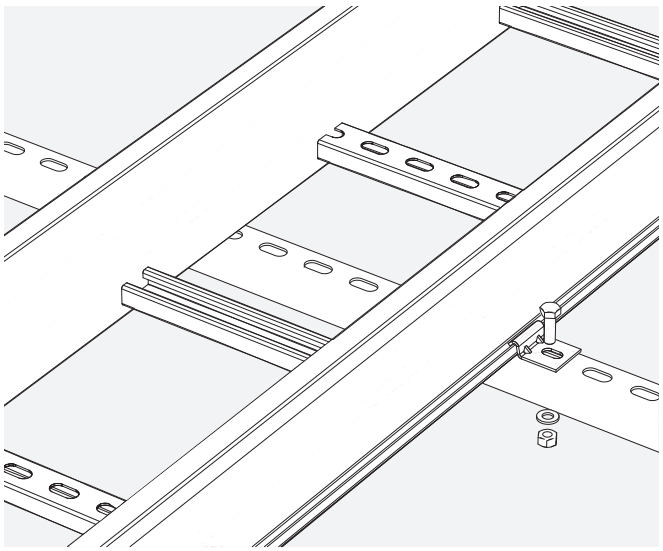
		GC - 6m	kg/m	
100	150	82002723	5,863	3/6
	300	82002724	5,943	3/6
	450	82002725	5,983	3/6
	600	82002726	6,062	3/6
	750	82002727	6,102	3/6
	900	82002728	6,181	3/6
150	150	82002729	5,986	3/6
	300	82002730	6,066	3/6
	450	82002731	6,106	3/6
	600	82002732	6,185	3/6
	750	82002733	6,225	3/6
	900	82002734	6,305	3/6

* Disponible en otras medidas. *Available in other sizes*

Bajo pedido On request / *On request* / *A la demande* / *Baixo pedido*





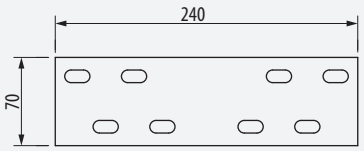


Unión Recta nemaband®
Coupler nemaband®
Èclisse nemaband®
União nemaband®



• 100-150 • 100-1000

		Ref	kg/u	
GC	70	82002736	0,270	20

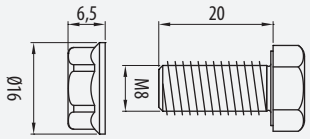


Kit Unión
Joint Kit
Francés
Kit União



• 100-150 • 100-1000

GC	M8x20+M8	67030094	0,018	100



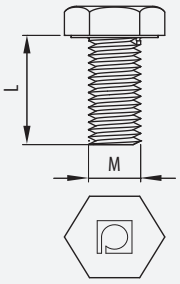
Tornillo C/Exagonal
Hexagonal Set Screw
Vis Héxagonale
Parafuso Sextavado



• 100-150 • 100-1000

	M	Ref	kg/u	
GC	M10x20	67030059	0,023	100
	M10x35	67030077	0,029	100

ETIM: EC002380



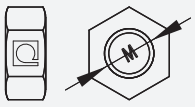
Tuerca Exagonal
Hexagonal Nut
Ecrou Hexagonal
Porca Sextavada



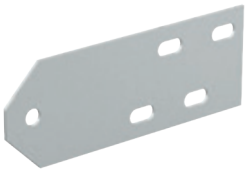
• 100-150 • 100-1000

	M	Ref	kg/u	
GC	M10	67030014	0,008	100

ETIM: EC000129

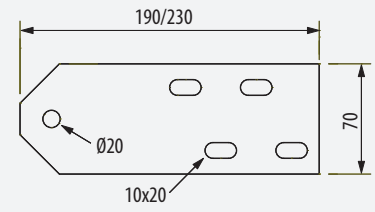


Bisagra Vertical nemaband®
Riser/Dropper nemaband®
Charnière nemaband®
União Variável nemaband®

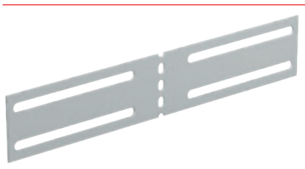


• 100-150 • 100-1000

		Ref	kg/u	
GC	100	82002743	0,270	20
	150	82002744	0,460	20

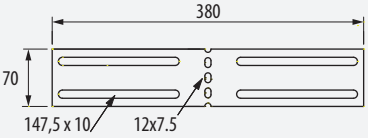


Bisagra Horizontal nemaband®
Riser/Dropper nemaband®
Charnière nemaband®
União Variável nemaband®



• 100-150 • 100-1000

		Ref	kg/u	
GC	100-150	82002745	0,350	5

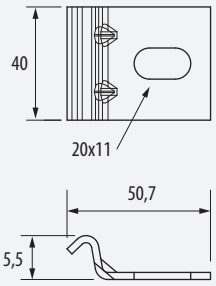


Fijación **nemaband®**
Hold Down Clamp **nemaband®**
Bride pour console **nemaband®**
Fixação **nemaband®**



• 100-150 • 100-1000

Ⓢ	Ref	kg/u	
GC	82002746	0,047	-

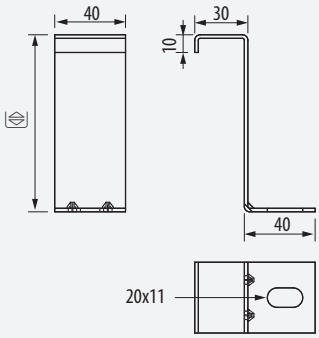


Fijación Base **nemaband®**
Hold Down Clamp **nemaband®**
Bride pour console **nemaband®**
Fixação **nemaband®**



• 100-150 • 100-1000

Ⓢ		Ref	kg/u	
GC	100	82002747	0,139	4
	150	82002748	0,147	18



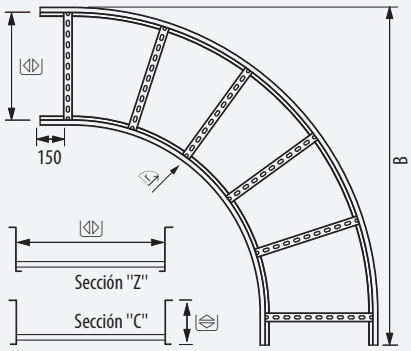
Curva 90° **nemaband®**
90° Bend **nemaband®**
Courbe 90° **nemaband®**
Curva 90° **nemaband®**



• 100-150 • 100-1000

		B	Ref	kg/u	
int 300mm • Ⓢ GC • Profil/Perfil C-Z					
100	150	625	82002821	4,920	1
	300	775	82002822	6,662	1
	450	925	82002823	8,879	1
	600	1075	82002824	10,621	1
	750	1225	82002825	13,549	1
	900	1375	82002826	15,528	1
150	150	625	82002827	6,424	1
	300	775	82002828	8,366	1
	450	925	82002829	10,782	1
	600	1075	82002830	12,723	1
	750	1225	82002831	15,850	1
	900	1375	82002832	18,029	1
int 600mm • Ⓢ GC • Profil/Perfil C-Z					
100	150	925	82002833	7,624	1
	300	1075	82002834	9,366	1
	450	1225	82002835	11,820	1
	600	1375	82002836	13,799	1
	750	1525	82002837	15,779	1
	900	1675	82002838	17,758	1
150	150	925	82002839	9,926	1
	300	1075	82002840	11,867	1
	450	1225	82002841	14,520	1
	600	1375	82002842	16,699	1
	750	1525	82002843	18,878	1
	900	1675	82002844	21,057	1

Radio 900 bajo pedido. *Radius 900 mm under request*
Perfil Z bajo pedido. *Profil Z under request*

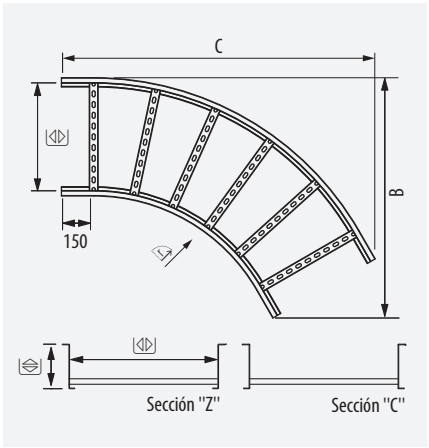


Curva 60° nemaband®
60° Bend **nemaband®**
Courbe 60° **nemaband®**
Curva 60° **nemaband®**



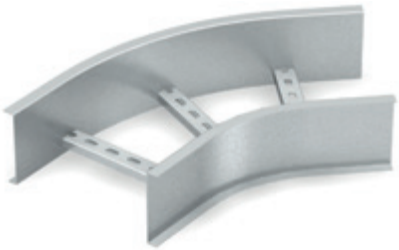
• 100-150 • 100-900 • GC

B	C	Ref	kg/u	
int 300mm • 100 • Profil/Perfil C-Z				
150	467	636	82002797	3,990	1
300	617	766	82002798	5,546	1
450	767	896	82002799	7,577	1
600	917	1026	82002800	9,134	1
750	1067	1155	82002801	11,876	1
900	1217	1285	82002802	13,669	1
int 300mm • 150 • Profil/Perfil C-Z				
150	467	636	82002803	5,162	1
300	617	766	82002804	6,852	1
450	767	896	82002805	9,015	1
600	917	1026	82002806	10,705	1
750	1067	1155	82002807	13,580	1
900	1217	1285	82002808	15,506	1
int 600mm • 100 • Profil/Perfil C-Z				
150	617	896	82002809	9,820	1
300	767	1026	82002810	10,147	1
450	917	1155	82002811	10,473	1
600	1067	1285	82002812	11,323	1
750	1217	1415	82002813	11,925	1
900	1367	1545	82002814	12,226	1
int 600mm • 150 • Profil/Perfil C-Z				
150	617	896	82002815	7,654	1
300	767	1026	82002816	9,344	1
450	917	1155	82002817	11,745	1
600	1067	1285	82002818	13,671	1
750	1217	1415	82002819	15,598	1
900	1367	1545	82002820	17,524	1



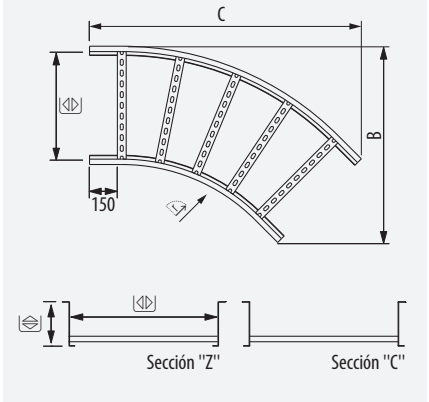
Radio 900 bajo pedido. *Radius 900 mm under request*
Perfil Z bajo pedido. *Profil Z under request*

Curva 45° nemaband®
45° Bend **nemaband®**
Courbe 45° **nemaband®**
Curva 45° **nemaband®**



• 100-150 • 100-900 • GC

B	C	Ref	kg/u	
int 300mm • 100 • Profil/Perfil C-Z				
150	386	591	82002773	3,526	1
300	536	698	82002774	4,516	1
450	686	804	82002775	5,505	1
600	836	910	82002776	6,495	1
750	986	1016	82002777	8,670	1
900	1136	1122	82002778	9,897	1
int 300mm • 150 • Profil/Perfil C-Z				
150	387	592	82002779	4,531	1
300	536	698	82002780	5,621	1
450	686	804	82002781	6,710	1
600	836	910	82002782	7,800	1
750	986	1016	82002783	10,074	1
900	1136	1122	82002784	11,401	1
int 600mm • 100 • Profil/Perfil C-Z				
150	474	804	82002785	4,877	1
300	624	910	82002786	6,104	1
450	774	1016	82002787	7,331	1
600	924	1122	82002788	8,558	1
750	1074	1228	82002789	10,970	1
900	1224	1334	82002790	12,433	1
int 600mm • 150 • Profil/Perfil C-Z				
150	474	804	82002791	6,282	1
300	624	910	82002792	7,609	1
450	774	1016	82002793	8,935	1
600	924	1122	82002794	10,262	1
750	1074	1228	82002795	12,773	1
900	1224	1334	82002796	14,337	1



Radio 900 bajo pedido. *Radius 900 mm under request* Perfil Z bajo pedido. *Profil Z under request*

Curva 30° nemaband®

30° Bend **nemaband®**

Courbe 30° **nemaband®**

Curva 30° **nemaband®**

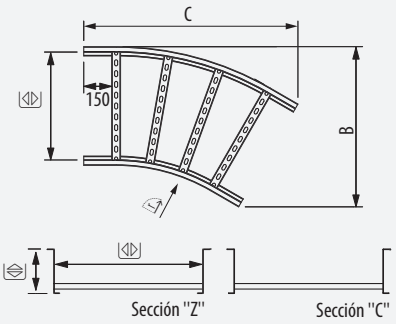


CE IEC 61537 N.VE-1

▭ • 100-150 • 100-900 • GC

B	C	Ref	kg/u	
int 300mm • 100 • Profil/Perfil C-Z				
150	311	517	82002749	2,824	1
300	461	592	82002750	3,958	1
450	611	667	82002751	4,855	1
600	761	742	82002752	5,752	1
750	911	817	82002753	6,648	1
900	1061	892	82002754	7,545	1
int 300mm • 150 • Profil/Perfil C-Z				
150	312	517	82002755	3,664	1
300	461	592	82002756	4,864	1
450	611	667	82002757	5,827	1
600	761	742	82002758	6,791	1
750	911	817	82002759	7,754	1
900	1061	892	82002760	8,717	1
int 600mm • 100 • Profil/Perfil C-Z				
150	352	667	82002761	4,041	1
300	502	742	82002762	5,175	1
450	652	817	82002763	6,308	1
600	802	892	82002764	7,442	1
750	952	967	82002765	9,761	1
900	1102	1042	82002766	11,132	1
int 600mm • 150 • Profil/Perfil C-Z				
150	350	667	82002767	5,147	1
300	502	742	82002768	6,348	1
450	652	817	82002769	7,548	1
600	802	892	82002770	8,748	1
750	925	967	82002771	11,134	1
900	1102	1042	82002772	12,571	1

Radio 900 bajo pedido. *Radius 900 mm under request.* Perfil Z bajo pedido. *Profil Z under request*

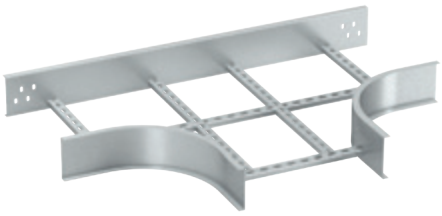


Derivación T nemaband®

nemaband® *Tee*

Dérivation T **nemaband®**

Derivação T **nemaband®**

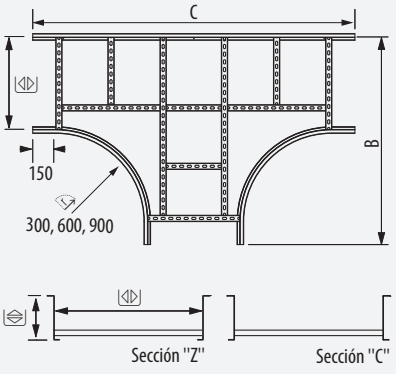


CE IEC 61537 N.VE-1

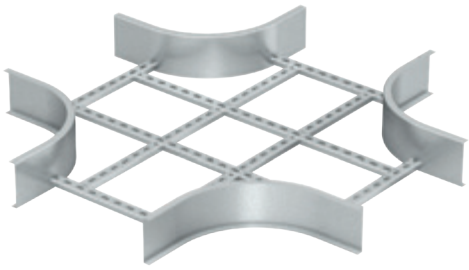
▭ • 100-150 • 100-900 • GC

B	C	Ref	kg/u	
int 300mm • 100 • Profil/Perfil C-Z				
150	1050	625	82002845	7,459	1
300	1200	775	82002846	8,763	1
450	1350	925	82002847	12,587	1
600	1500	1075	82002848	14,364	1
750	1650	1225	82002849	18,017	1
900	1800	1375	82002850	19,835	1
int 300mm • 150 • Profil/Perfil C-Z				
150	1050	625	82002851	9,650	1
300	1200	775	82002852	11,080	1
450	1350	925	82002853	15,031	1
600	1500	1075	82002854	16,935	1
750	1650	1225	82002855	20,715	1
900	1800	1375	82002856	22,660	1
int 600mm • 100 • Profil/Perfil C-Z				
150	1650	925	82002857	11,586	1
300	1800	1075	82002858	12,889	1
450	1950	1225	82002859	19,536	1
600	2100	1375	82002860	21,867	1
750	2250	1525	82002861	25,384	1
900	2400	1675	82002862	27,412	1
int 600mm • 150 • Profil/Perfil C-Z				
150	1650	925	82002863	15,082	1
300	1800	1075	82002864	16,512	1
450	1950	1225	82002865	23,286	1
600	2100	1375	82002866	25,744	1
750	2250	1525	82002867	29,387	1
900	2400	1675	82002868	31,543	1

Radio 900 bajo pedido. *Radius 900 mm under request.* Perfil Z bajo pedido. *Profil Z under request*



Cruce **nemaband®**
nemaband® *Crossover*
Croisement **nemaband®**
Cruzeta **nemaband®**

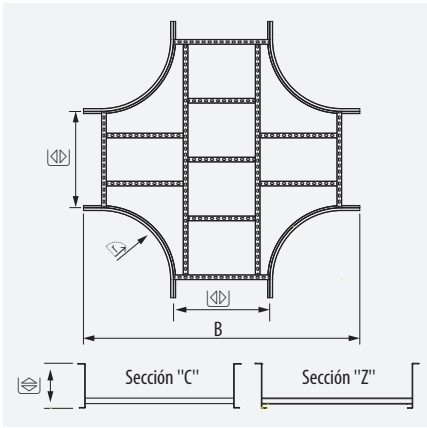


CE IEC 61537 N.VE-1

• 100-150 • 100-900

		B	Ref	kg/u	
int 300mm • GC • Profil/Perfil C-Z					
100	150	1050	82002869	10,274	1
	300	1200	82002870	11,696	1
	450	1350	82002871	15,980	1
	600	1500	82002872	17,876	1
	750	1650	82002873	20,659	1
	900	1800	82002874	22,550	1
150	150	1050	82002875	12,878	1
	300	1200	82002876	14,299	1
	450	1350	82002877	18,583	1
	600	1500	82002878	20,479	1
	750	1650	82002879	23,262	1
	900	1800	82002880	25,154	1
int 600mm • GC • Profil/Perfil C-Z					
100	150	1650	82002881	16,621	1
	300	1800	82002882	18,051	1
	450	1950	82002883	24,234	1
	600	2100	82002884	26,130	1
	750	2250	82002885	28,830	1
	900	2400	82002886	30,963	1
150	150	1650	82002887	20,821	1
	300	1800	82002888	22,251	1
	450	1950	82002889	28,434	1
	600	2100	82002890	30,330	1
	750	2250	82002891	33,030	1
	900	2400	82002892	35,163	1

Radio 900 bajo pedido. *Radius 900 mm under request* Perfil Z bajo pedido. *Profil Z under request*

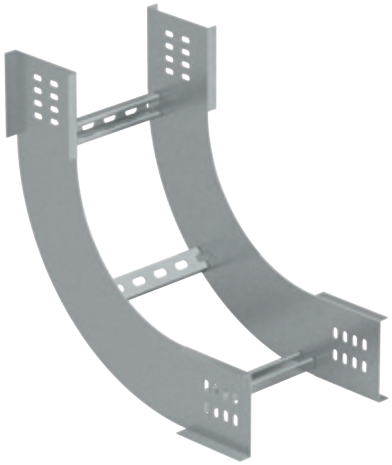


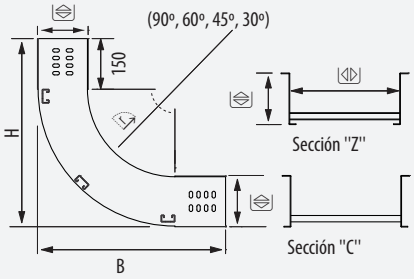
Cambio de Nivel Cóncavo CNC **nemaband®**

nemaband® *Inside Riser*

Changeur de niveau CNC **nemaband®**

Subida CNC **nemaband®**





⌴ • 100-150 • 100-1000					
	B	H	Ref	kg/u	
GC • ∠ 30° • 100 • 300					
150	458	209	82002894	1,880	1
300			82002895	1,920	1
450			82002896	1,960	1
600			82002897	1,990	1
750			82002898	2,030	1
900			82002899	2,060	1
GC • ∠ 30° • 100 • 600					
150	608	250	82002906	2,470	1
300			82002907	2,500	1
450			82002908	2,530	1
600			82002909	2,560	1
750			82002910	2,590	1
900			82002911	2,620	1
GC • ∠ 45° • 100 • 300					
150	508	281	82002918	2,160	1
300			82002919	2,220	1
450			82002920	2,260	1
600			82002921	2,310	1
750			82002922	3,350	1
900			82002923	2,400	1
GC • ∠ 45° • 100 • 600					
150	721	369	82002930	2,930	1
300			82002931	2,980	1
450			82002932	3,040	1
600			82002933	3,090	1
750			82002934	3,140	1
900			82002935	3,200	1
GC • ∠ 60° • 100 • 300					
150	534	358	82002942	2,430	1
300			82002943	2,480	1
450			82002944	2,530	1
600			82002945	2,580	1
750			82002946	2,640	1
900			82002947	2,690	1
GC • ∠ 60° • 100 • 600					
150	794	508	82002954	3,500	1
300			82002955	3,530	1
450			82002956	3,560	1
600			82002957	3,590	1
750			82002958	3,620	1
900			82002959	3,650	1
GC • ∠ 90° • 100 • 300					
150	507	507	82002966	2,960	1
300			82002967	3,010	1
450			82002968	3,060	1
600			82002969	3,110	1
750			82002970	3,170	1
900			82002971	3,220	1
GC • ∠ 90° • 100 • 600					
150	807	807	82002978	4,510	1
300			82002979	4,580	1
450			82002980	4,650	1
600			82002981	4,720	1
750			82002982	4,800	1
900			82002983	4,860	1

⌴ • 100-150 • 100-1000					
	B	H	Ref	kg/u	
GC • ∠ 30° • 150 • 300					
150	483	260	82002900	2,730	1
300			82002901	2,770	1
450			82002902	2,800	1
600			82002903	2,840	1
750			82002904	2,870	1
900			82002905	2,900	1
GC • ∠ 30° • 150 • 600					
150	633	300	82002912	3,380	1
300			82002913	3,410	1
450			82002914	3,440	1
600			82002915	3,470	1
750			82002916	3,500	1
900			82002917	3,530	1
GC • ∠ 45° • 150 • 300					
150	544	331	82002924	3,170	1
300			82002925	2,230	1
450			82002926	3,290	1
600			82002927	3,330	1
750			82002928	3,390	1
900			82002929	3,440	1
GC • ∠ 45° • 150 • 600					
150	756	419	82002936	4,340	1
300			82002937	4,390	1
450			82002938	4,440	1
600			82002939	4,490	1
750			82002940	4,550	1
900			82002941	4,610	1
GC • ∠ 60° • 150 • 300					
150	577	408	82002948	3,610	1
300			82002949	3,660	1
450			82002950	3,710	1
600			82002951	3,770	1
750			82002952	3,820	1
900			82002953	3,870	1
GC • ∠ 60° • 150 • 600					
150	837	558	82002960	5,160	1
300			82002961	5,200	1
450			82002962	5,260	1
600			82002963	5,320	1
750			82002964	5,380	1
900			82002965	5,420	1
GC • ∠ 90° • 150 • 300					
150	557	557	82002972	4,470	1
300			82002973	4,530	1
450			82002974	4,580	1
600			82002975	4,630	1
750			82002976	4,690	1
900			82002977	4,740	1
GC • / 90° • 150 • 600					
150	857	857	82002984	6,820	1
300			82002985	6,890	1
450			82002986	6,970	1
600			82002987	7,040	1
750			82002988	7,110	1
900			82002989	7,180	1

Radio 900 bajo pedido. *Radius 900 mm under request.*
Perfil Z bajo pedido. *Profil Z under request.*

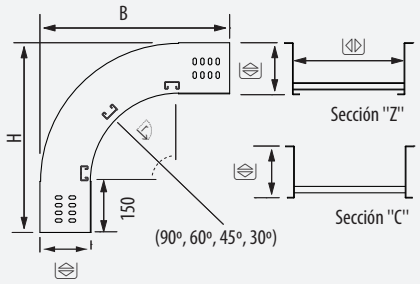
Cambio de Nivel Convexo CNV **nemaband®**

nemaband® *90° Outside Riser*

Changeur de niveau CNV 90° **nemaband®**

Descida CNV **nemaband®**





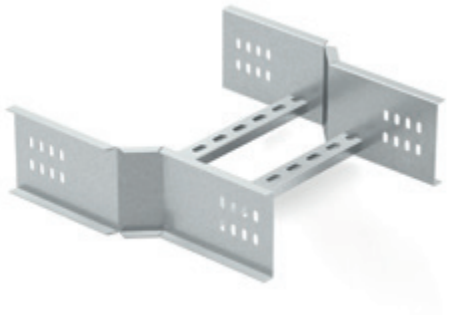
⟷ • 100-150 • 100-1000					
B	B	H	Ref	kg/u	
GC • ∠ 30° • 100 • 300					
150	458	209	82002990	1,810	1
300			82002991	1,820	1
450			82002992	1,850	1
600			82002993	1,860	1
750			82002994	1,880	1
900			82002995	1,900	1
GC • ∠ 30° • 100 • 600					
150	608	250	82003002	2,310	1
300			82003003	2,330	1
450			82003004	2,360	1
600			82003005	2,390	1
750			82003006	2,420	1
900			82003007	2,450	1
GC • ∠ 45° • 100 • 300					
150	508	281	82003014	2,170	1
300			82003015	2,220	1
450			82003016	2,270	1
600			82003017	2,310	1
750			82003018	2,360	1
900			82003019	2,400	1
GC • ∠ 45° • 100 • 600					
150	721	369	82003026	2,930	1
300			82003027	2,980	1
450			82003028	3,040	1
600			82003029	3,090	1
750			82003030	3,140	1
900			82003031	3,200	1
GC • ∠ 60° • 100 • 300					
150	534	358	82003038	2,430	1
300			82003039	2,480	1
450			82003040	2,530	1
600			82003041	2,580	1
750			82003042	2,640	1
900			82003043	2,690	1
GC • ∠ 60° • 100 • 600					
150	794	508	82003050	3,500	1
300			82003051	3,530	1
450			82003052	3,560	1
600			82003053	3,590	1
750			82003054	3,620	1
900			82003055	3,650	1
GC • ∠ 90° • 100 • 300					
150	507	507	82003062	2,960	1
300			82003063	3,010	1
450			82003064	3,060	1
600			82003065	3,110	1
750			82003066	3,170	1
900			82003067	3,220	1
GC • ∠ 90° • 100 • 600					
150	807	807	82003074	4,510	1
300			82003075	4,580	1
450			82003076	4,650	1
600			82003077	4,720	1
750			82003078	4,800	1
900			82003079	4,860	1

⟷ • 100-150 • 100-1000					
B	B	H	Ref	kg/u	
GC • ∠ 30° • 150 • 300					
150	483	260	82002996	2,730	1
300			82002997	2,770	1
450			82002998	2,800	1
600			82002999	2,840	1
750			82003000	2,870	1
900			82003001	2,900	1
GC • ∠ 30° • 150 • 600					
150	633	300	82003008	3,380	1
300			82003009	3,410	1
450			82003010	3,440	1
600			82003011	3,470	1
750			82003012	3,500	1
900			82003013	3,530	1
GC • ∠ 45° • 150 • 300					
150	544	331	82003020	3,170	1
300			82003021	2,230	1
450			82003022	3,290	1
600			82003023	3,330	1
750			82003024	3,390	1
900			82003025	3,440	1
GC • ∠ 45° • 150 • 600					
150	756	419	82003032	4,340	1
300			82003033	4,390	1
450			82003034	4,440	1
600			82003035	4,490	1
750			82003036	4,550	1
900			82003037	4,610	1
GC • ∠ 60° • 150 • 300					
150	577	408	82003044	3,610	1
300			82003045	3,660	1
450			82003046	3,710	1
600			82003047	3,770	1
750			82003048	3,820	1
900			82003049	3,870	1
GC • ∠ 60° • 150 • 600					
150	837	558	82003056	5,160	1
300			82003057	5,200	1
450			82003058	5,260	1
600			82003059	5,320	1
750			82003060	5,380	1
900			82003061	5,420	1
GC • ∠ 90° • 150 • 300					
150	557	557	82003068	4,470	1
300			82003069	4,530	1
450			82003070	4,580	1
600			82003071	4,630	1
750			82003072	4,690	1
900			82003073	4,740	1
GC • / 90° • 150 • 600					
150	857	857	82003080	6,820	1
300			82003081	6,890	1
450			82003082	6,970	1
600			82003083	7,040	1
750			82003084	7,110	1
900			82003085	7,180	1

Radio 900 bajo pedido. *Radius 900 mm under request.*

CE IEC 61537 N.VE-1

Reducción Central **nemaband®**
nemaband® *Equal Reducer*
Réduction Centrale **nemaband®**
Redução Central **nemaband®**

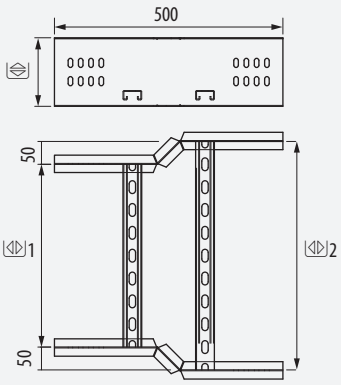


CE IEC 61537 N.VE-1

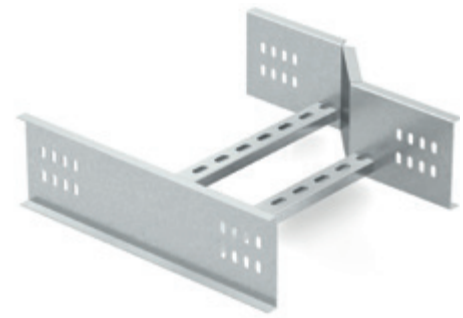
▭ • ⇳ 100-150 • ⇹ 100-1000

⇳	⇹1	⇹2	Ref	kg/u	
GC • Profil/Perfil C					
100	300	150	82003086	3,020	1
	450	300	82003087	3,490	1
	600	450	82003088	3,970	1
	750	600	82003089	4,440	1
	900	750	82003090	4,920	1
150	300	150	82003091	3,920	1
	450	300	82003092	4,390	1
	600	450	82003093	4,870	1
	750	600	82003094	5,340	1
	900	750	82003095	5,820	1

Radio 900 bajo pedido.
Radius 900 mm under request.
Perfil Z bajo pedido.
Profil Z under request.



Reducción Derecha **nemaband®**
nemaband® *Right Reducer*
Réduction Droite **nemaband®**
Redução Direita **nemaband®**

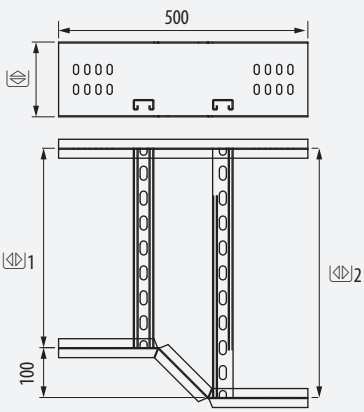


CE IEC 61537 N.VE-1

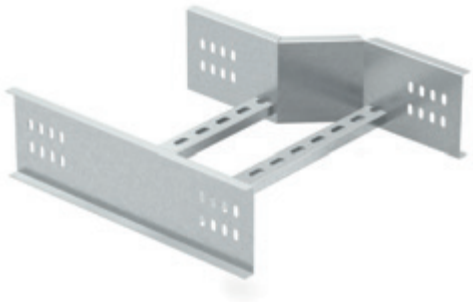
▭ • ⇳ 100-150 • ⇹ 100-1000

⇳	⇹1	⇹2	Ref	kg/u	
GC • Profil/Perfil C					
100	300	150	82003096	3,030	1
	450	300	82003097	3,510	1
	600	450	82003098	3,980	1
	750	600	82003099	4,460	1
	900	750	82003100	4,930	1
150	300	150	82003101	3,930	1
	450	300	82003102	4,410	1
	600	450	82003103	4,880	1
	750	600	82003104	5,350	1
	900	750	82003105	5,830	1

Radio 900 bajo pedido.
Radius 900 mm under request.
Perfil Z bajo pedido.
Profil Z under request. o



Reducción Izquierda **nemaband®**
nemaband® *Left Reducer*
Réduction Gauche **nemaband®**
Redução Esquerda **nemaband®**

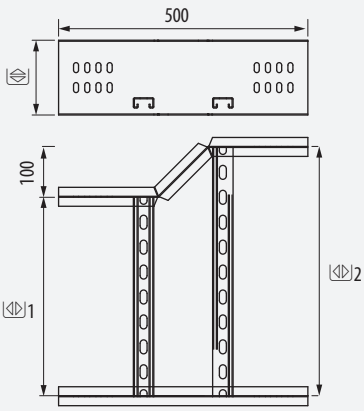


CE IEC 61537 N.VE-1

▭ • ⇳ 100-150 • ⇹ 100-1000

⇳	⇹1	⇹2	Ref	kg/u	
GC • Profil/Perfil C					
100	300	150	82003106	3,030	1
	450	300	82003107	3,510	1
	600	450	82003108	3,980	1
	750	600	82003109	4,460	1
	900	750	82003110	4,930	1
150	300	150	82003111	3,930	1
	450	300	82003112	4,410	1
	600	450	82003113	4,880	1
	750	600	82003114	5,350	1
	900	750	82003115	5,830	1

Radio 900 bajo pedido.
Radius 900 mm under request.
Perfil Z bajo pedido.
Profil Z under request.



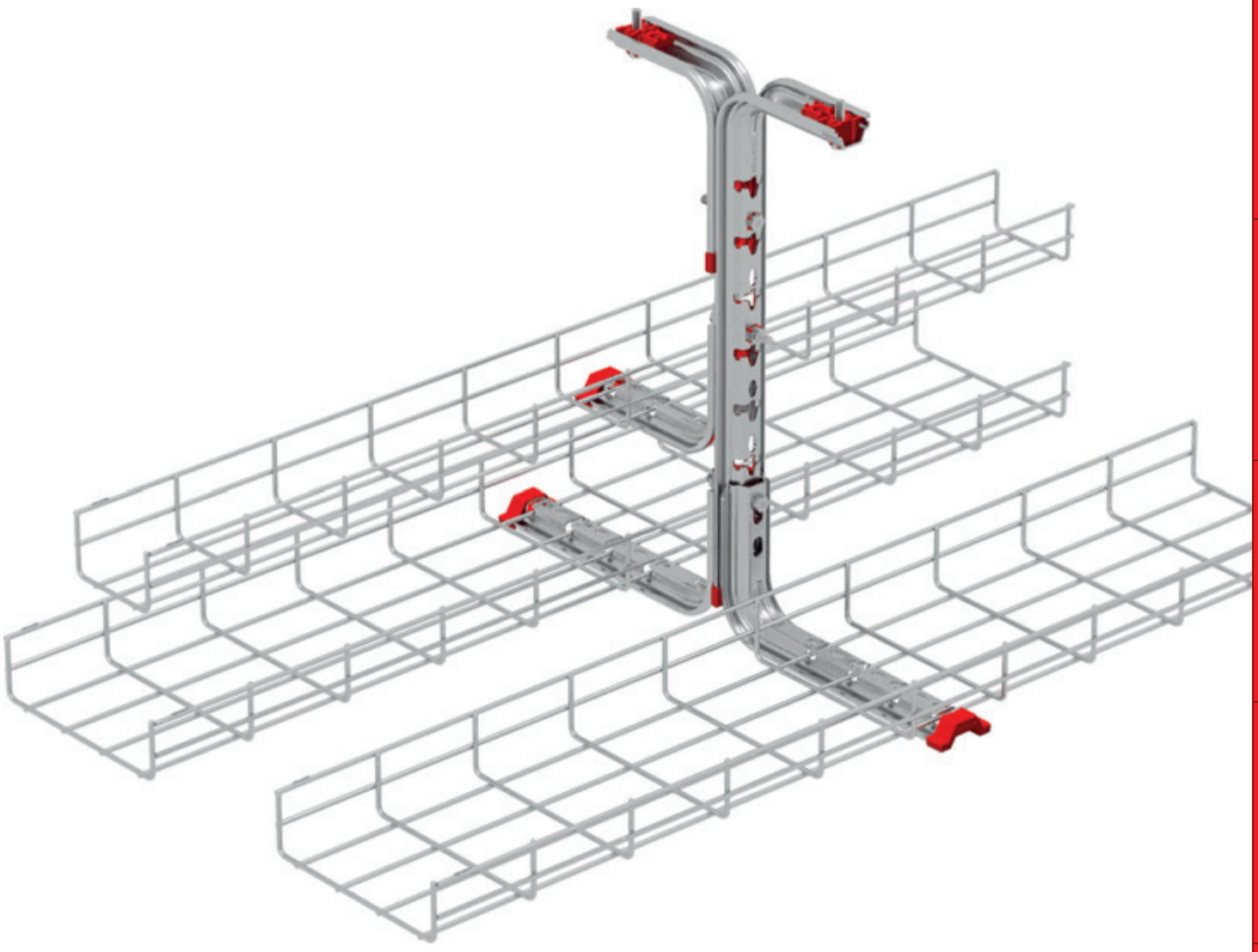
Sistemas de Soportación

Gama de soportes, railes y estructuras

Supports, channels and structures range

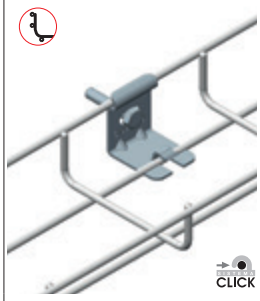
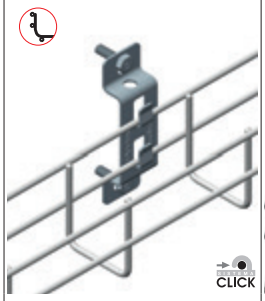
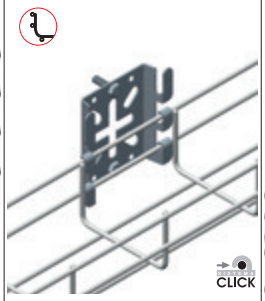
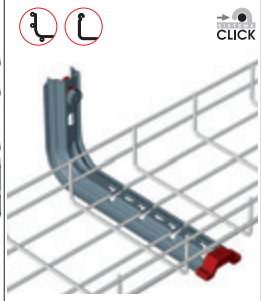
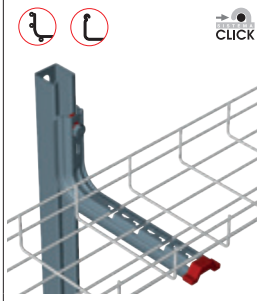
Gamme de suportage, rails & structures

Gama de suportes, perfis e estruturas



Montaje en pared / Wall assembly / Montage Mural / Montagem em parede

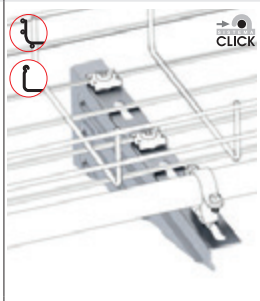
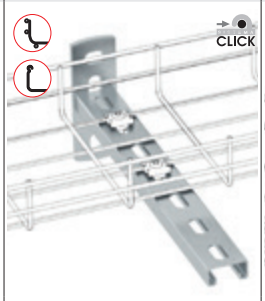
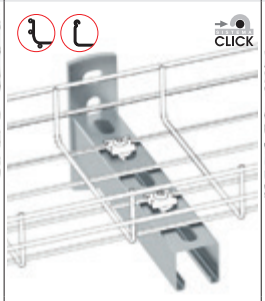
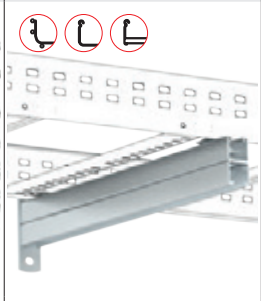
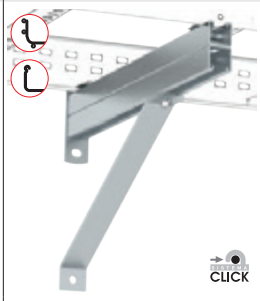
Horizontal / *Horizontal* / *Horizontal* / *Horizontal*

				UNIVERSAL	UNIVERSAL
					
A	15 kg 042	25 kg 044	50 kg 038	28 / 60 kg 174	28 / 60 kg 174

A *Carga admisible / Admissible load / Charge admissible / Carga admissível*

Sistema Universal. Compatible con todas las bandejas
Universal System. Compatible for all cable trays
Système Universel. compatible les chemins de cables
Sistema Universal. Compatível com todas as Calhas

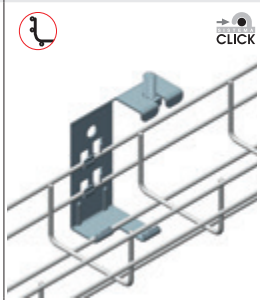
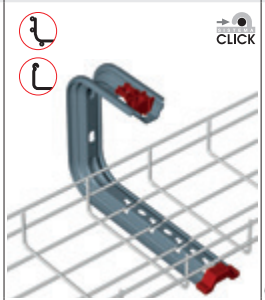
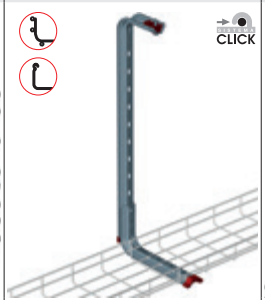
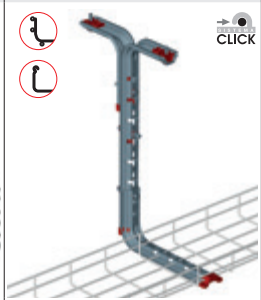
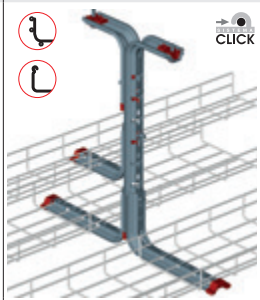
Soportes de Propósito Múltiple / *Multipurpose Installation Bracket* / *Support installation polyvalente.* / *Suporte instalação polivalente*

					
A	10 kg 178	10 kg 180	25 kg 180	85 kg 194	85 kg 194

Para instalaciones eléctricas, HVAC, contra Incendios, etc. | *For electrical, HVAC, fire and installations.* | *Pour installations électriques, HVAC, incendie, etc* | *Para instalações eléctricas, HVAC, contra incêndios, etc.*

Montaje a techo / Fitting to ceiling / Montage Plafond / Montagem ao tecto

Sistema Omega / *Omega System* / *Sistema Omega* / *Sistema Omega*

		UNIVERSAL	UNIVERSAL	UNIVERSAL	UNIVERSAL
					
1	10 kg 042	18 / 30 kg 174	200 kg 190	330 kg 190	330 kg 190
2*	-	-	7 kg x m	40 kg x m	40 kg x m
2**	-	-	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 Pemsa.

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 renforccé à renfort structuré Pemsa.

Valores em Newton/m, obtidos experimentalmente por suporte s/norma IEC-61537, com um coeficiente de segurança de 170% sem alcançar em nenhum caso o desprendimento. Garantidos unicamente para os nossos suportes Omega com topo de segurança e suportes reforçados com reforço estrutural Pemsa.

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 Pemsa.

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.*

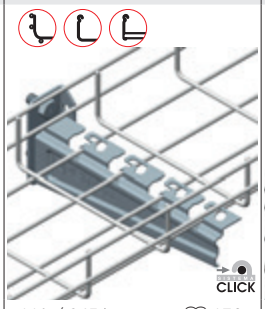
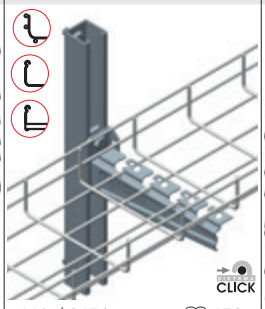
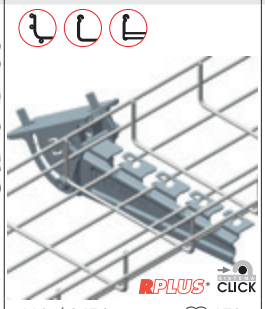
Valeurs obtenue selon la norme UNE-EN 61537 (Annexe H) sur les informations pour une installation fiable des éléments descendants avec supports horizontaux. Pour plus d´informations consulter avec Pemsa.

Valores obtidos segundo a norma UNE-EN 61537 (Anexo H) relativamente à informação para uma instalação segura de pêndulos com suportes horizontais. Para outras informações, consultar os serviços comerciais Pemsa.

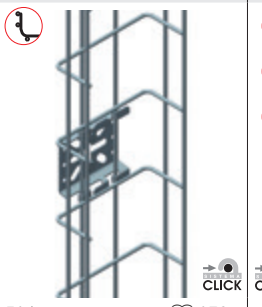
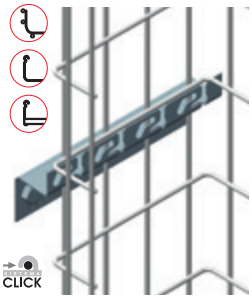
Información Técnica • *Technical Information* • *Informations Techniques* • *Informação Técnica*

Montaje en pared / Wall assembly / Montage Mural / Montagem em parede

Horizontal / *Horizontal* / *Horizontal* / *Horizontal*

	UNIVERSAL	UNIVERSAL	UNIVERSAL
			
A	110 / 245 kg 176	110 / 245 kg 176	110 / 245 kg 178

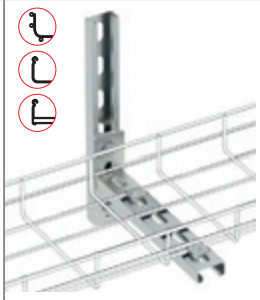
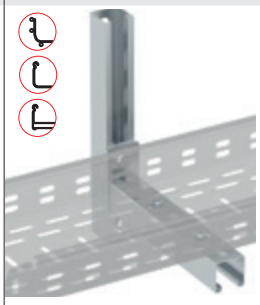
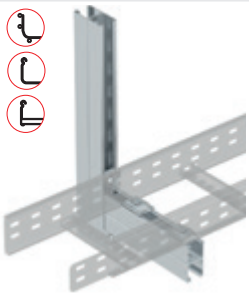
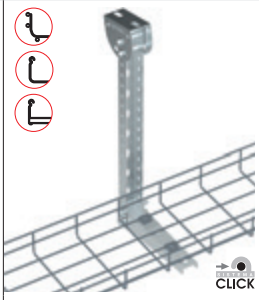
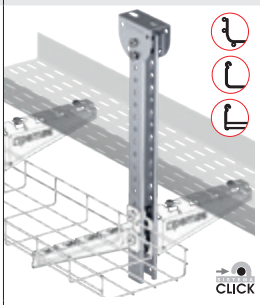
Vertical / *Vertical* / Vertical

	UNIVERSAL	UNIVERSAL
		
A	50 kg 038	56 kg 186

Nuevos soportes reforzados con más capacidad de carga
Reinforced supports with greater load-bearing capacity
Nouveau support renforcé, plus de capacité de charge
Novos suportes reforçados com mais capacidade de carga

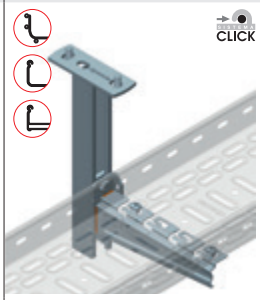
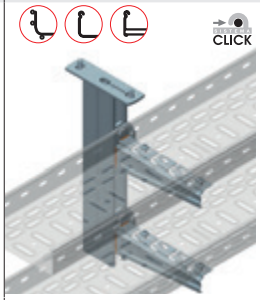
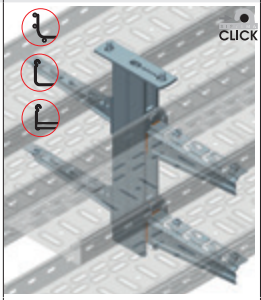
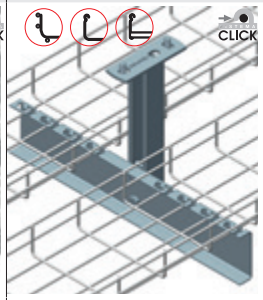
Montaje a techo / Fitting to ceiling / Montage Plafond / Montagem ao tecto

Con varilla roscada / *With threaded rods* / *Avec tige fileté* / *Com varão roscado*

				UNIVERSAL	UNIVERSAL
					
A	65 kg 196	75 kg 196	160 kg 196	160 kg 188	390 kg 188

Más economía en tiempo de montaje | Increased savings in assembly time | Plus economique, gain de temps au montage | *Mais economía tempo montagem*

Péndulo reforzado / *Reinforced supports* / *Pendard Renforcé* / *Pêndulo Reforçado*

	UNIVERSAL	UNIVERSAL	UNIVERSAL	UNIVERSAL	UNIVERSAL
					
1	350 kg 190	300 kg 192	400 kg 192	400 kg 192	45 / 170 kg 192
2*	36 kg x m	35 kg x m	93 kg x m	93 kg x m	-
2*	43 kg x m	40 kg x m	73 kg x m	73 kg x m	-

Nuevos soportes y péndulos reforzados con más capacidad de carga | *Reinforced supports with greater load-bearing capacity* | *Nouveau support pendard renforcé pour plus de charge* | *Novos suportes e pêndulos reforçados com mais capacidade de carga*

rejiband® pemsaband® megaband®

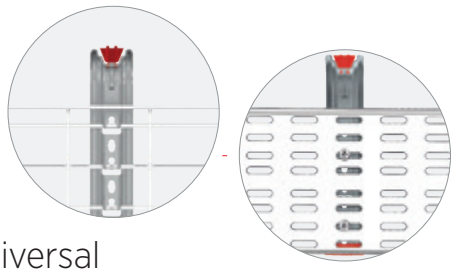
* Soporte Reforzado PLUS Variable
Adjustable Heavy Duty Cantilever PLUS
Support Renforcé PLUS *Variável*
Suporte Reforçado PLUS *Variável*



Gama de Soportes, Railes y Estructuras

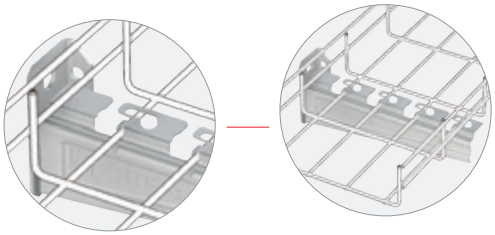
Supports, Channels and Structures Range
Gamme de Supports, Rails & Structures
Gama de Suportes, Perfis e Estruturas

Ventajas y Características / *Advantages and features* / *Avantages et Caractéristiques* / *Vantagens e Caracteristícas*



Universal

Compatible para todas las bandejas
Compatible with all of the cable trays
Compatible avec toutes les dalles
Compatível com todas as calhas



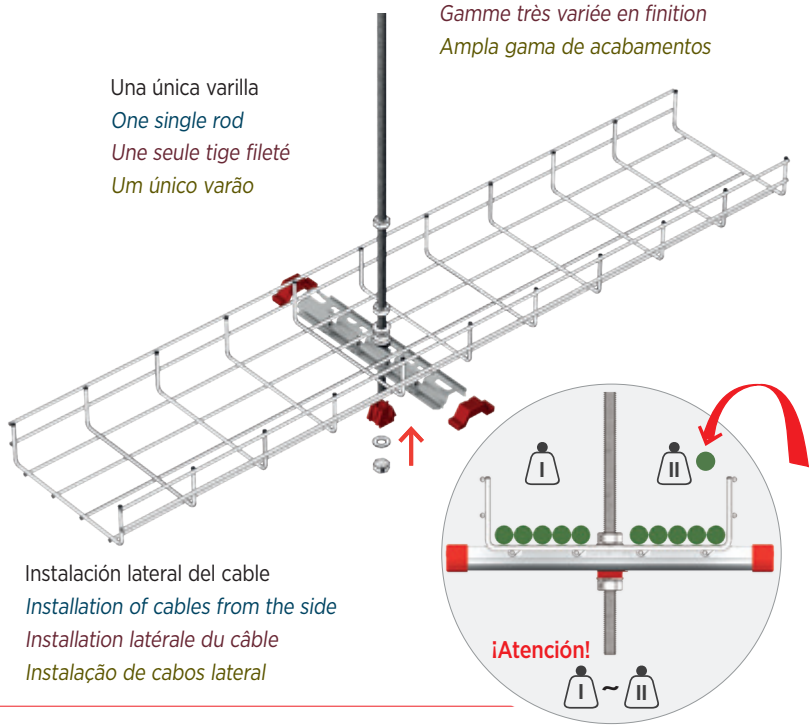
CLICK

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

PG	GC	AZ+	C8	304	316L

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

Una única varilla
One single rod
Une seule tige fileté
Um único varão



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

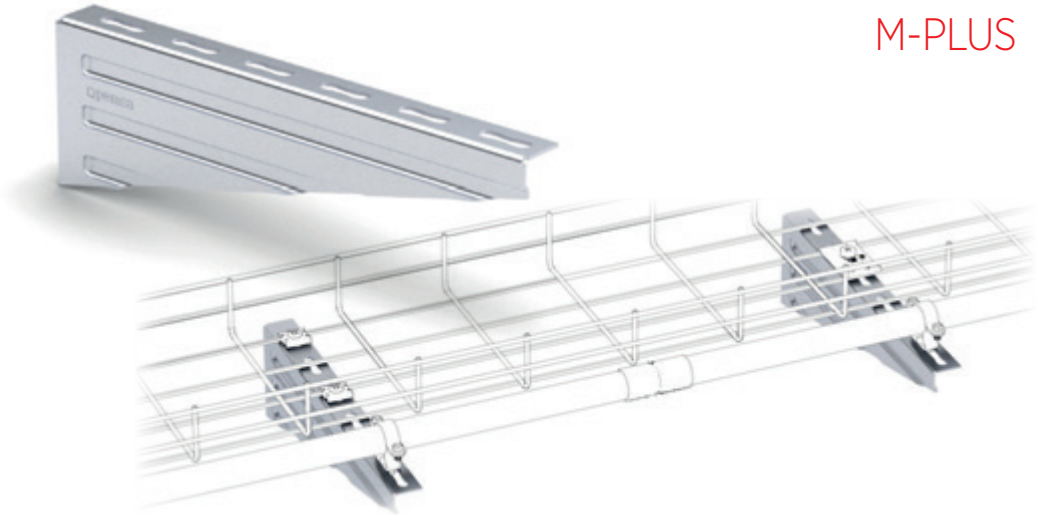
Novedades • *News* • *Nouveautés* • *Novidades* NEW



Soporte Omega SPLUS
Omega SPLUS Bracket
Support Omega
Suporte Omega SPLUS



M-PLUS



Soporte para instalación de propósito múltiple. Instalaciones eléctricas, HVAC, contra Incendios, etc.

Multi-purpose installation cantilever for Electrical, HVAC, fire and installations.

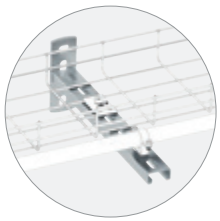
Support pour une installation polyvalente. Installations électriques, HVAC, incendie, etc.

Suporte para instalação polivalente. Instalações eléctricas, HVAC, contra incêndios, etc.



Soportes raíl
Cantilever arm
Supports rail
Suportes rail



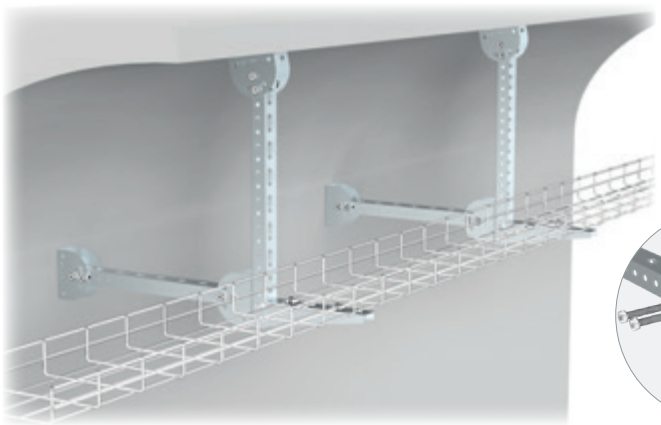


IEC 61537 E90 AENOR

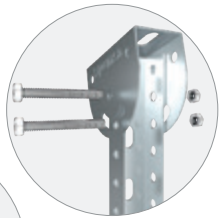
180

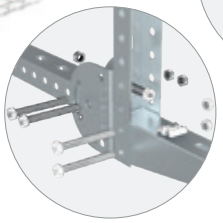
Rail 3C
3C Strut
Echelle EDF 3C
Rail 3C





173





Soporte Omega SPLUS

Omega SPLUS Bracket

Support Omega

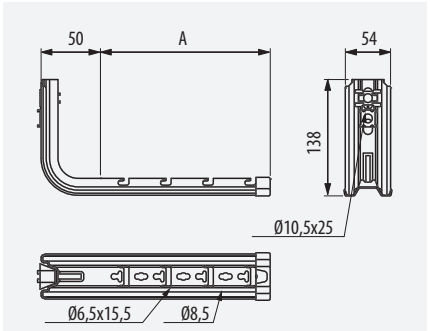
Suporte Omega SPLUS

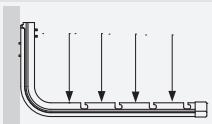




	100-400			
	A	Ref	kg/u	
PG	100	62021104	0,248	5
	150	62021154	0,275	5
	200	62021204	0,451	5
	300	62021304	0,572	5
	400	62021404	0,693	5
AZ+	100	62031104	0,256	5
	150	62031154	0,284	5
	200	62031204	0,462	5
	300	62031304	0,586	5
	400	62031404	0,711	5
CU	100	82003270	0,245	5
	150	82003271	0,274	5
	200	82003272	0,437	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

ETIM: EC001003



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

NO **rejiband**® 60x60

Soporte Techo Omega SPLUS

Omega SPLUS Ceiling Bracket

Support Plafond Omega Plus

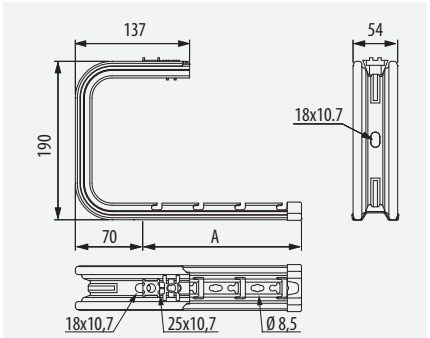
Suporte Tecto Omega SPLUS

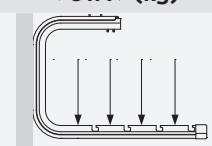




	100-400			
	A	Ref	kg/u	
PG	100	62022104	0,391	4
	150	62022154	0,557	4
	200	62022204	0,642	4
	300	62022304	0,763	4
	400	62022404	0,887	4
AZ+	100	62032104	0,404	4
	150	62032154	0,571	4
	200	62032204	0,658	4
	300	62032304	0,782	4
	400	62032404	0,906	4
CU	100	82003277	0,394	4
	150	82003278	0,418	4
	200	82003279	0,634	4
	300	82003280	0,748	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

ETIM: EC001003



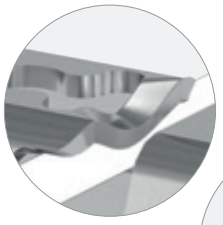
CTA (kg)		kg
	100	33
	150	36
	200	29
	300	25
	400	18

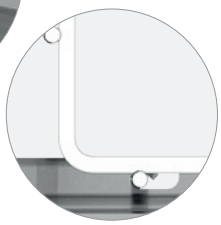
NO **rejiband**® 60x60

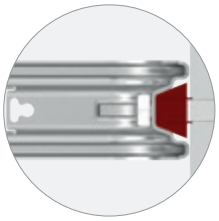
Sistema Click. Sin fijaciones

Click System. No additional fixings
Système Click. Sans fixations
Sistema Click. Sem fixações



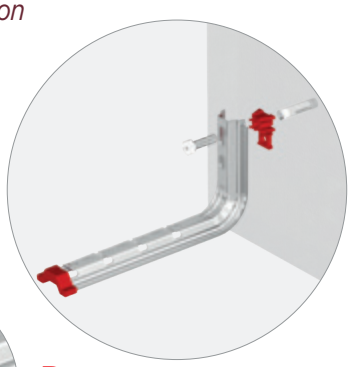






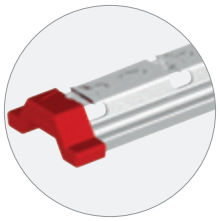
Tope

Plug
Embout de Protection
Taco



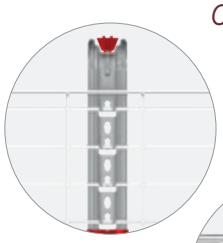
Protector

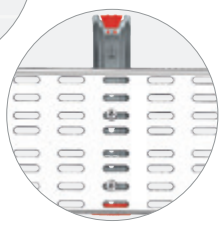
Protector
Protection
Topo Protector



Universal
Compatible para todas las bandejas

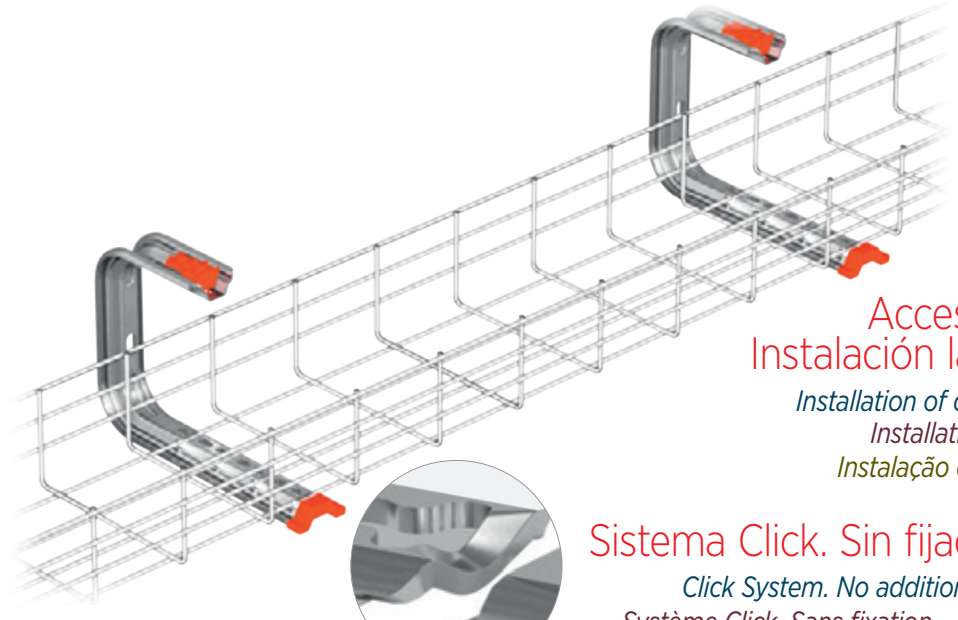
Compatible with all of the cable trays
Compatible pour toutes les dalles
Compatível com todas as Calhas

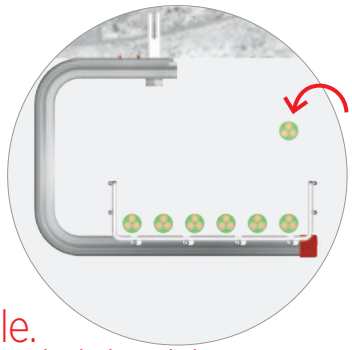




Seguridad.
¡Mejoran la instalación!

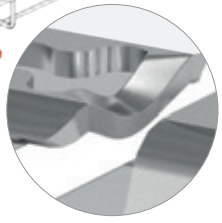
Security. Improves the installation
Plus Sécurisant. Pour améliorer l'installation
Segurança. Melhora a instalação





Accesible.
Instalación lateral del cable

Installation of cables from the side
Installation latéral du câble
Instalação de cabos lateral



Sistema Click. Sin fijaciones

Click System. No additional fixings.
Système Click. Sans fixation
Sistema Click. Sem fixações

pemsa

Soporte Reforzado RPLUS
Medium Duty Cantilever RPLUS
Support Renforcé
Suporte Reforçado RPLUS

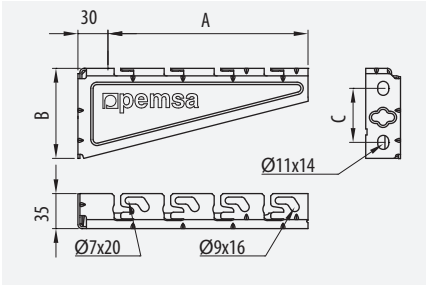


100-600

	A	B	C	Ref	kg/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

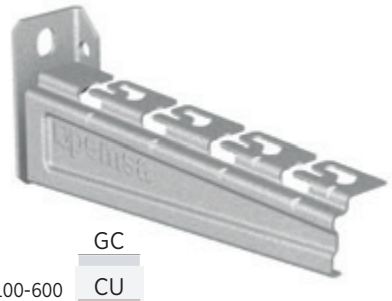
NO **rejiband**® 60x60

ETIM: EC001003

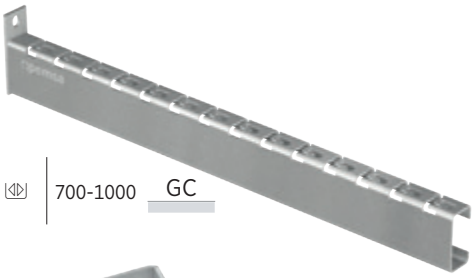


↓CTA↓ (kg)	kg
100	270
150	170
200	180
300	140
400	180
500	90
600	120

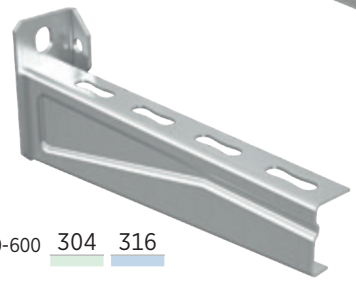
Soporte Reforzado RPLUS
Medium Duty Cantilever RPLUS
Support Renforcé RPLUS
Suporte Reforçado RPLUS



100-600 GC CU C8



700-1000 GC

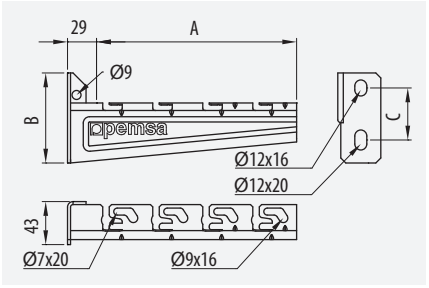


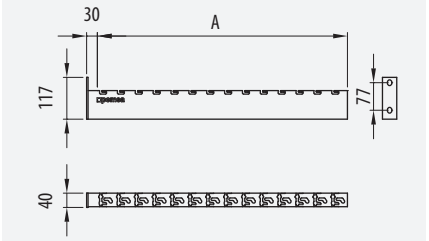
100-600 304 316

100-1000

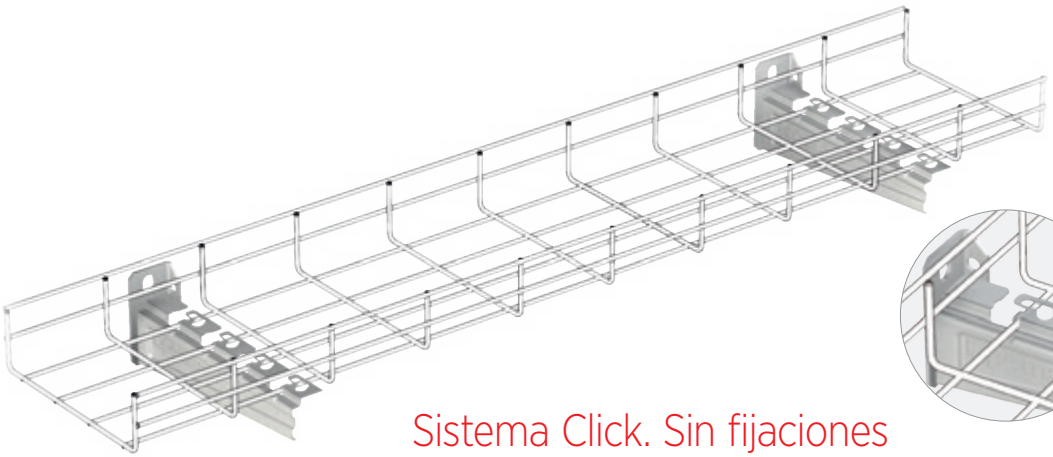
	A	B	C	Ref	kg/u	
GC	100	90	52	62035103	0,232	4
	150	90	52	62035153	0,288	4
	200	90	52	62035203	0,331	4
	300	90	52	62035303	0,425	4
	400	117	79	62035403	0,778	4
	500	117	79	62035503	0,928	4
	600	117	79	62035603	1,074	4
	700	117	77	62035703	2,449	4
	750	117	77	62035753	2,611	4
	800	117	77	62035803	2,765	4
	900	117	77	62035903	3,082	4
	1000	117	77	62035993	3,398	4
CU	100	90	52	82003282	0,218	4
	150	90	52	82003283	0,269	4
	200	90	52	82003284	0,308	4
	300	90	52	82003285	0,396	4
	400	117	79	82003286	0,734	4
	500	117	79	82003287	0,875	4
	600	117	79	82003288	1,012	4
C8	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
304	100	90	52	62055103	0,197	4
	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

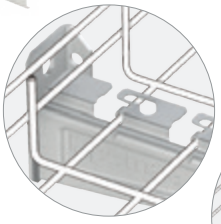
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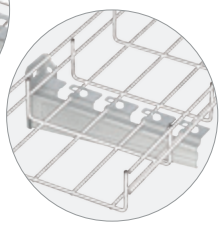




↓CTA↓ (kg)		kg
GC / C8 / CU	100	225
	150	245
	200	190
	300	110
	400	245
	500	92
	600	110
	700	220
	750	220
	800	220
	900	220
	1000	220
304 / 316 L	100	160
	150	190
	200	190
	300	130
	400	150
	500	110
	600	95





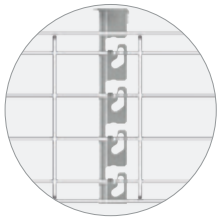


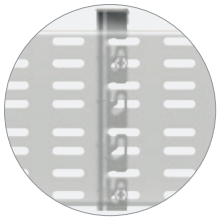
Sistema Click. Sin fijaciones

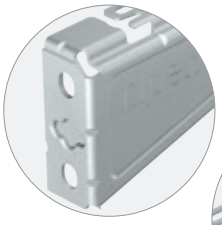
Click System. No additional fixings
Système Click Sans fixation
Sistema Click. Sem fixações

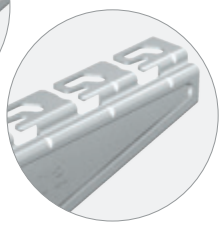
Universal
Compatible para todas las bandejas

Compatible with all of the cable trays
Compatible pour toutes les dalles
Compatível com todas as Calhas



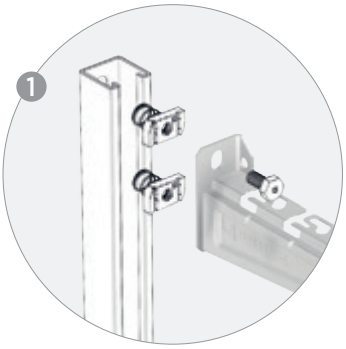




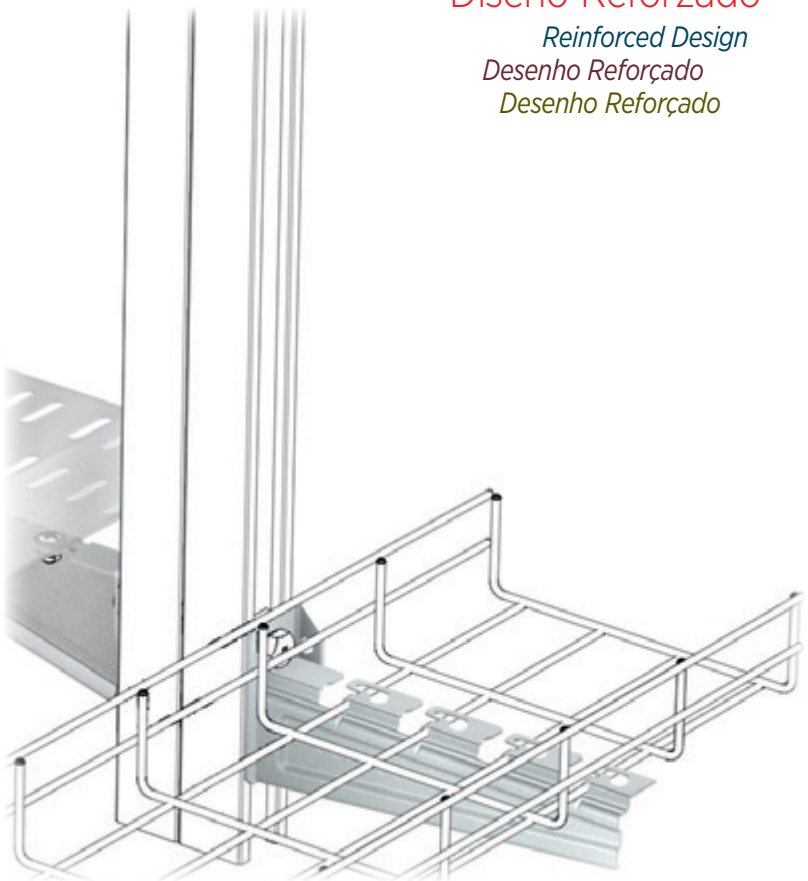


Diseño Reforzado

Reinforced Design
Desenho Reforçado
Desenho Reforçado



	M10x35	x2	175
		x2	200
		x1	192



Soporte MPLUS

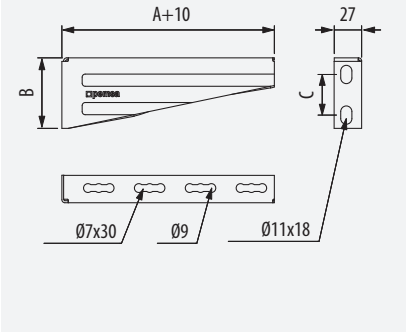
MPLUS Cantilever

Support MPLUS

Suporte MPLUS



	100-600					
	A	B	C	Ref	kg/u	
PG	100	69	40	82003768	0,209	1
	150	69	40	82003769	0,297	1
	200	69	40	82003770	0,499	1
	300	95	65	82003771	0,824	1
	400	95	65	82003772	1,080	1
	500	95	65	82003773	1,330	1
	600	95	65	82003774	1,580	1
AZ+	100	69	40	82003775	0,209	1
	150	69	40	82003776	0,297	1
	200	69	40	82003777	0,499	1
	300	95	65	82003778	0,824	1
	400	95	65	82003779	1,080	1
	500	95	65	82003780	1,330	1
	600	95	65	82003781	1,580	1



Kit Soporte RPLUS Reforzado Variable

Adjustable RPLUS Kit

Kit Support Renforcé

Kit Suporte RPLUS Reforçado Variável

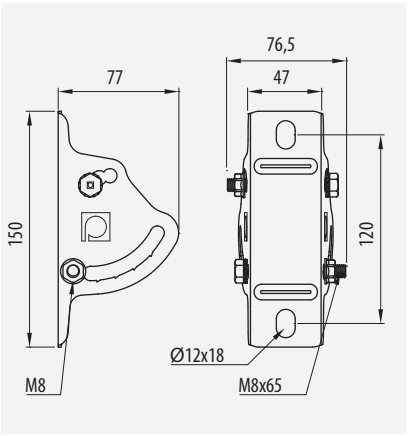




	100-600	
	Ref	kg/u
GC	62037002	0,311
304	62057002	0,295
316L	62067002	0,295

ETIM: EC001003

↓CTA↓ (kg)		kg
		100	225
		150	245
		200	190
		300	110
		400	245
		500	135
		600	110



Soporte RPLUS Muy Reforzado

Heavy Duty Cantilever RPLUS

Support Très Renforcé

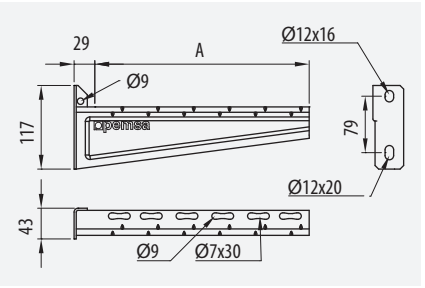
Suporte RPLUS Muito Reforçado



	300-600				
	A	AN	Ref	kg/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

ETIM: EC001003

↓CTA↓ (kg)		kg
		300	220
		400	220
		500	160
		600	165



Soporte Reforzado Variable Smart

RPLUS Adjustable Bracket

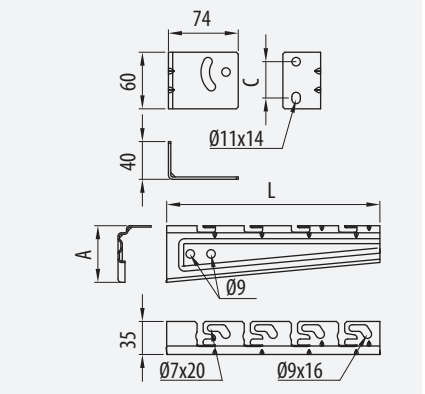
Kit Support Renforcé

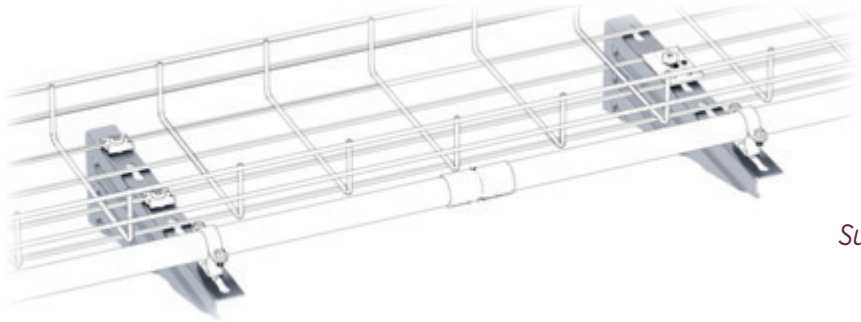
Kit Suporte RPLUS Reforçado Variável



	100-400		
	Ref	kg/u	
GC	62038103	0,292	4
	62038153	0,347	4
	62038203	0,389	4
	62038303	0,485	4
	62038403	0,789	4

ETIM: EC001003



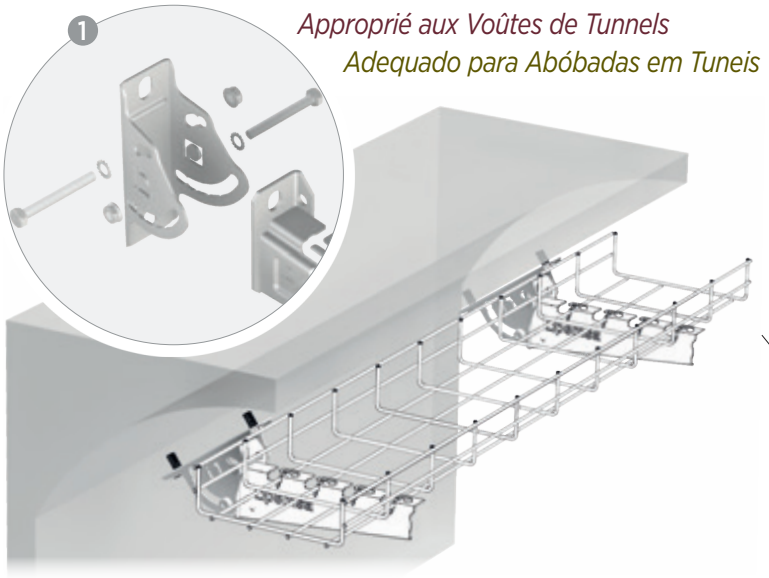


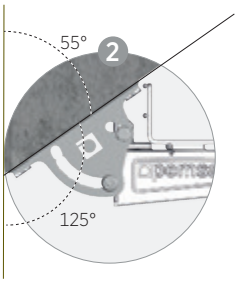
Soportes de Propósito Múltiple

Multipurpose Installation Bracket
Support installation polyvalente
Suporte instalação polivalente

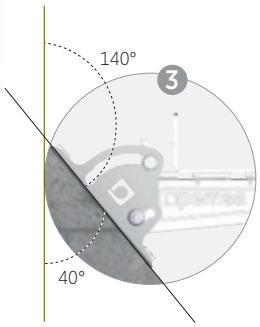
Adecuado para Bóvedas de Tuneles

Suitable for vaults of tunnels.
Approprié aux Voûtes de Tunnels
Adequado para Abóbadas em Tuneis

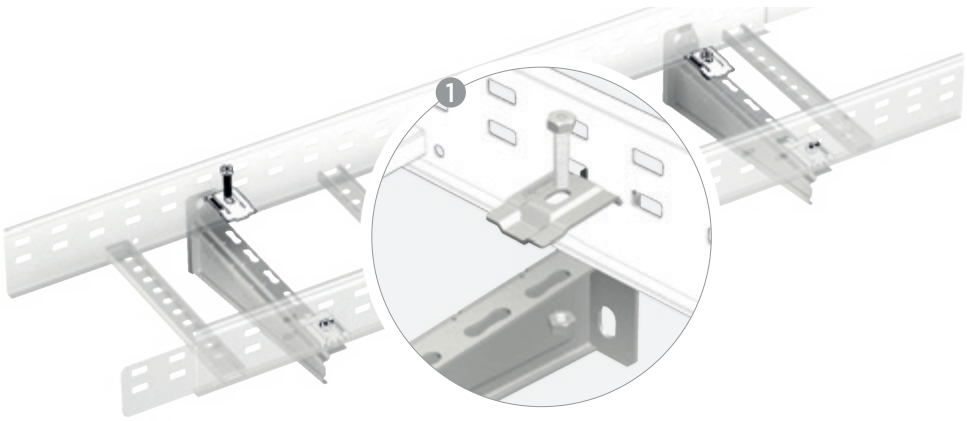




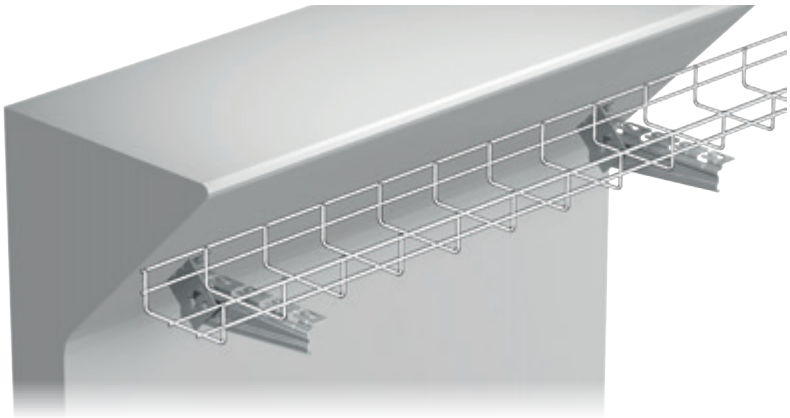








		x2	112
	M8x20	x2	174



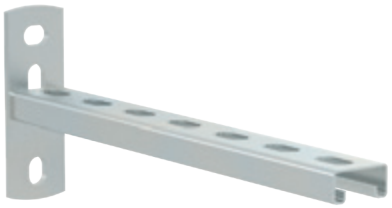
pemsa

Soporte 41x21

Cantilever arm 41x21

Support 41x21

Suporte 41x21

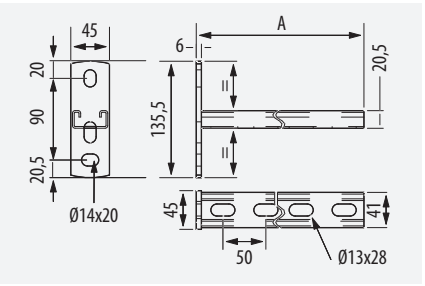




IEC 61537

S	A	Ref	kg/u	u
EZ	100	82002600	0,461	1
	200	82002601	0,607	1
	300	82002602	0,752	1
	500	82002603	1,040	1
	1000	82002604	1,770	1
GC	100	82002605	0,485	1
	200	82002606	0,641	1
	300	82002607	0,797	1

↓CTA↓ (kg)	kg
100	242
200	196
300	146
500	94
1000	36



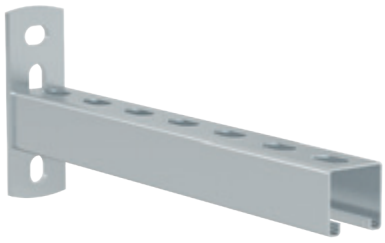
ETIM: EC001003

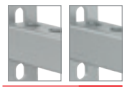
Soporte 41x41

Cantilever arm 41x41

Support 41x41

Suporte 41x41

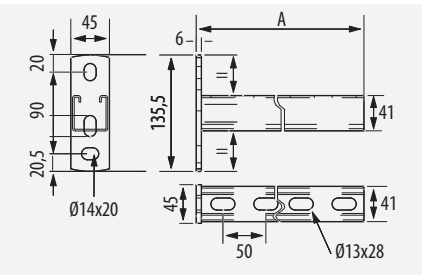




IEC 61537

S	A	Ref	kg/u	u
GC	200	82002608	0,931	1
	300	82002609	1,200	1
	500	82002610	1,750	1
	600	82002611	2,020	1
	800	82002612	2,570	1
	1000	82002613	3,110	1
304	200	82002614	0,881	1
	300	82002615	1,140	1
	500	82002616	1,650	1
	600	82002617	1,910	1
316	200	82002618	0,881	1
	300	82002619	1,140	1
	500	82002620	1,650	1
	600	82002621	1,910	1

ETIM: EC001003



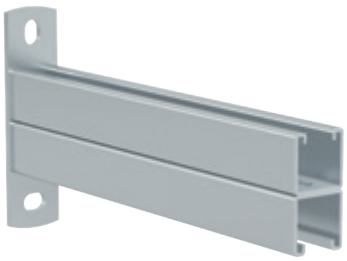
↓CTA↓ (kg)	kg
200	358
300	262
500	165
600	141
800	107
1000	85

Soporte péndulo 41x82

Cantilever arm 41x41

Support 41x41

Suporte 41x41

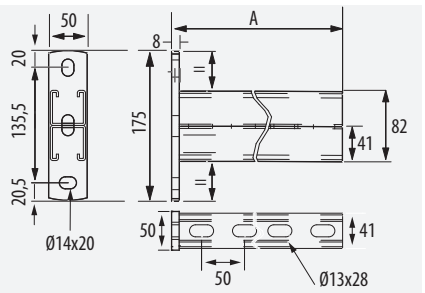


IEC 61537

S	A	Ref	kg/u	u
GC	500	82002622	3,440	1
	600	82002623	3,980	1
	800	82002624	5,070	1
	1000	82002625	6,160	1

ETIM: EC001003

↓CTA↓ (kg)	kg
100	376
200	318
300	247
500	198
1000	36



Refuerzo soporte 41

Cantilever Arm Brace

Renfort Support 41

Reforço Suporte 41

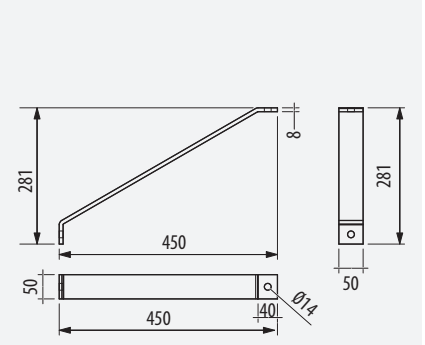




IEC 61537

S	Ref	kg/u	u
GC	82002627	1,880	1
316	82002628	1,710	1

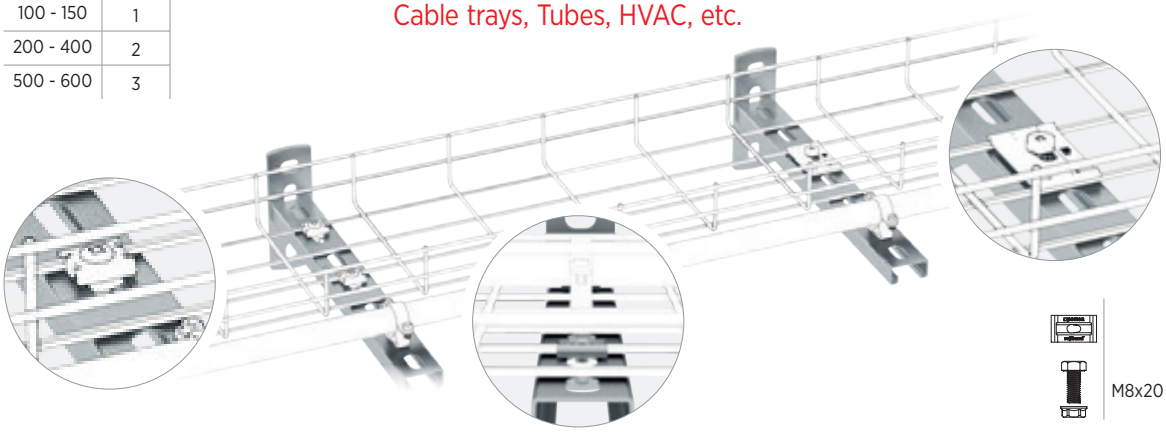
ETIM: EC001003



Multipurpose Support System

Cable trays, Tubes, HVAC, etc.

100 - 150	1	030
200 - 400	2	
500 - 600	3	



		x1 046
	M8x20	x2 174

Rápida Instalación

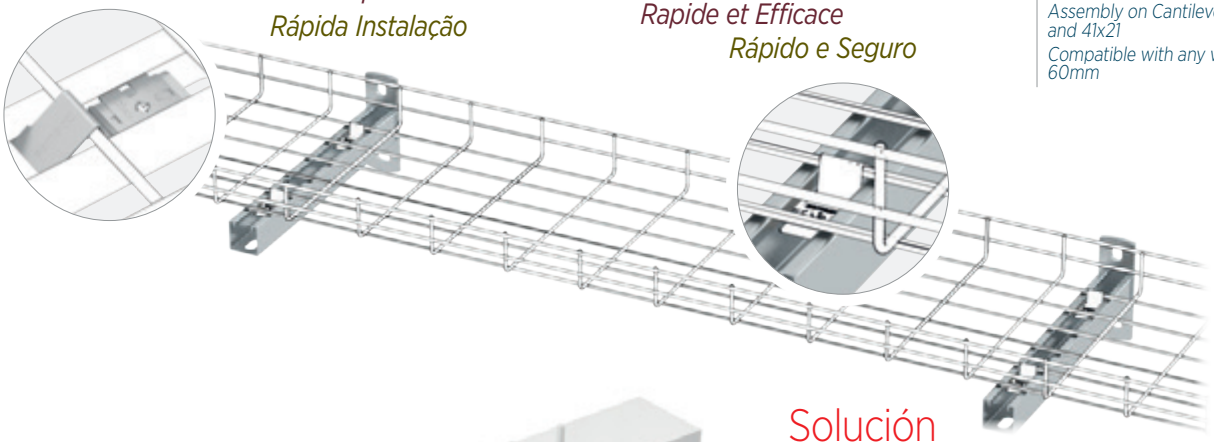
Quick Assembly
Installation Rapide
Rápida Instalação

¡Rápido y Seguro!

Fast and Safe
Rapide et Efficace
Rápido e Seguro

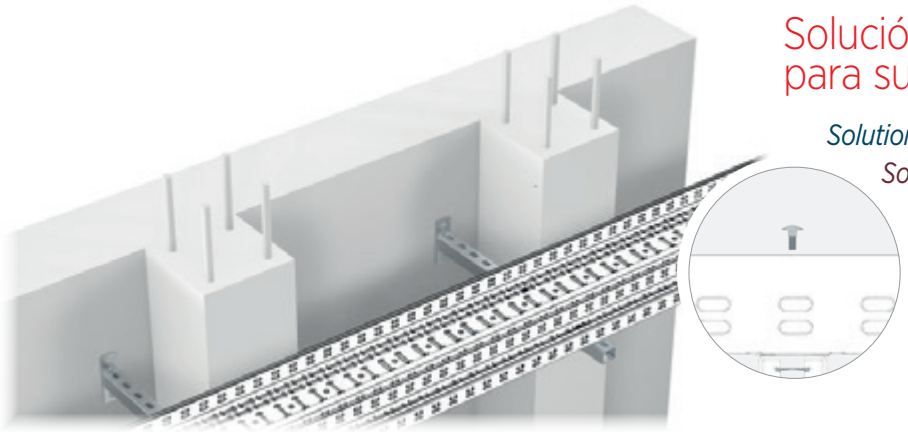
100 - 300	1	202
400 - 600	2	

Assembly on Cantilever arm 41x41 and 41x21
Compatible with any width except 60mm

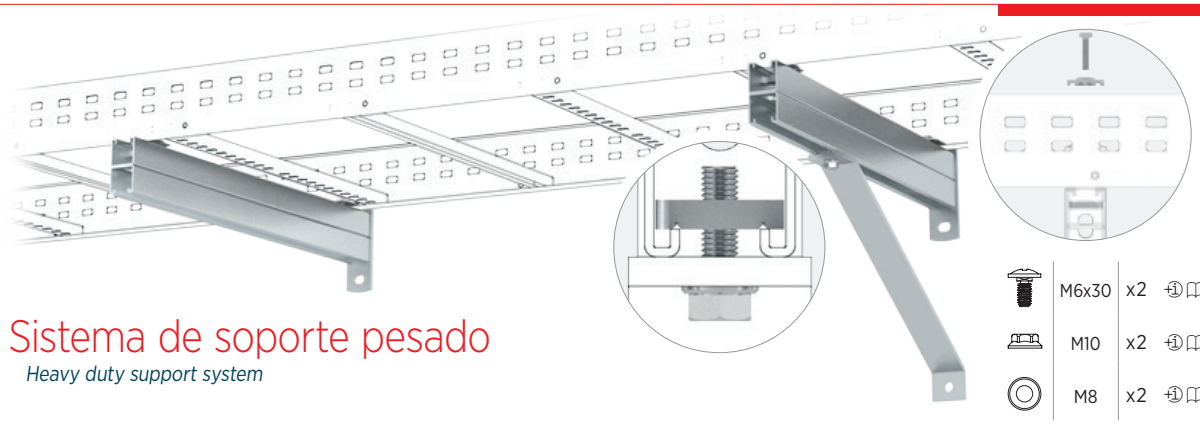


Solución para superar obstáculos

Solution to overcome obstacles
Soluction pour surmonter les obstacles
Solução para ultrapassar obstáculos



	M6x30	x2 174
	M10	x2 174
	M8	x2 176



Sistema de soporte pesado

Heavy duty support system

	M6x30	x2 174
	M10	x2 174
	M8	x2 176

Rail 3C 40x30x1.5

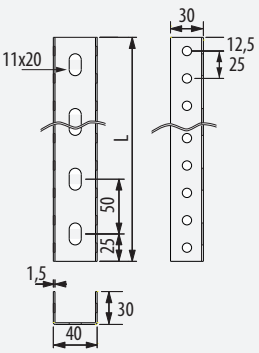
3C Strut 40x30x1.5
Echelle EDF 3C 40x30x1.5
Rail 3C 40x30x1.5



35,60,100 • 60-400

F	Ref		kg/u	
PG	81000101	500	0,526	1
	81000105	1000	1,050	1
	81000107	3000	1,050	1
GC	82003164	500	0,582	1
	82003166	1000	1,170	1
	82003168	3000	1,170	1

ETIM: EC000022



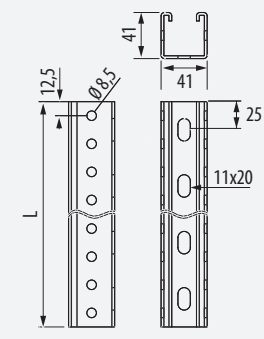
Rail 3C 41x41x2.5

3C Strut 41x41x2.5
Echelle EDF 3C 41x41x2.5
Rail 3C 41x41x2.5



35,60,100 • 60-400

F	Ref		kg/u	
PG	81000104	500	0,788	1
	81000106	1000	1,580	1
	81000109	3000	1,580	1
GC	82003165	500	0,872	1
	82003167	1000	1,740	1
	82003170	3000	1,740	1



Soporte fijación 3C

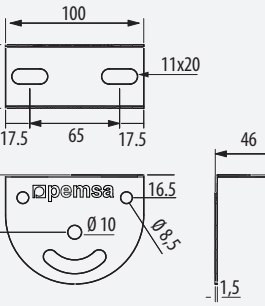
3C Mounting Plate
Gousset 3C
Suporte fixação 3C



35,60,100 • 60-400

F	Ref	kg/u	
PG	81003172	0,185	2
GC	82003175	0,206	2

ETIM: EC000022



Soporte base rail 3C

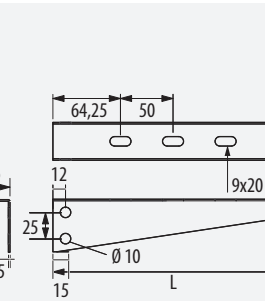
3C Strut Cantilever
Console EDF 3C
Suporte base Rail 3C



35,60,100 • 60-400

F	Ref		kg/u	
PG	82003152	100	0,154	1
	82003154	150	0,208	1
	82003155	200	0,263	1
	82003156	300	0,372	1
	82003157	400	0,481	1
GC	82003158	100	0,170	1
	82003160	150	0,231	1
	82003161	200	0,291	1
	82003162	300	0,411	1
	82003163	400	0,535	1

ETIM: EC000022



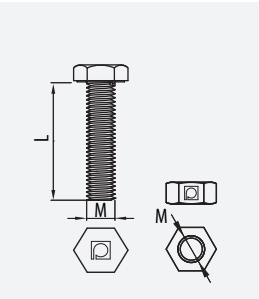
Tornillo C/Exagonal + Tuerca Exagonal

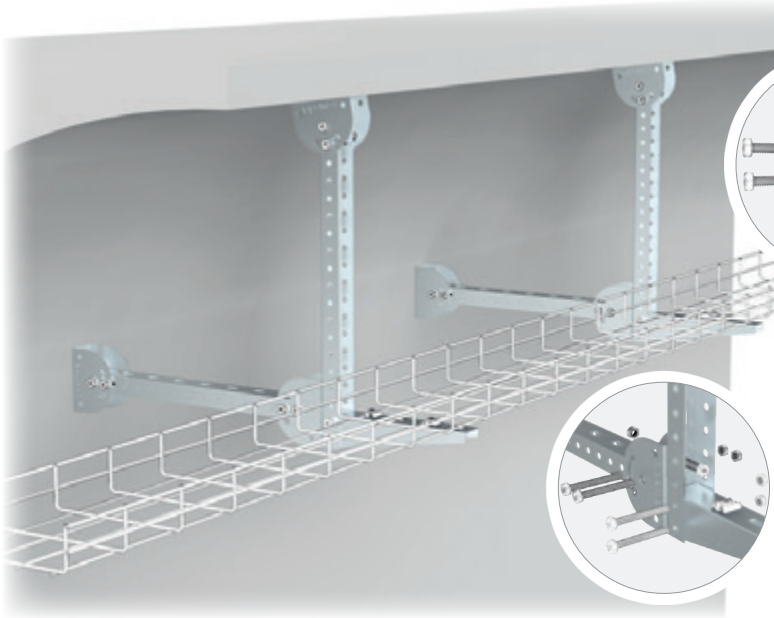
rejiband® *Universal Bracket*
Support Universel **rejiband**®
Suporte Universal **rejiband**®



35,60,100 • 60-400

F	M	Ref	kg/u	
EZ	M8x65	67020092	0,040	100
GC		67030092	0,040	100
EZ	M8	67020095	0,005	100
GC		67030062	0,005	100





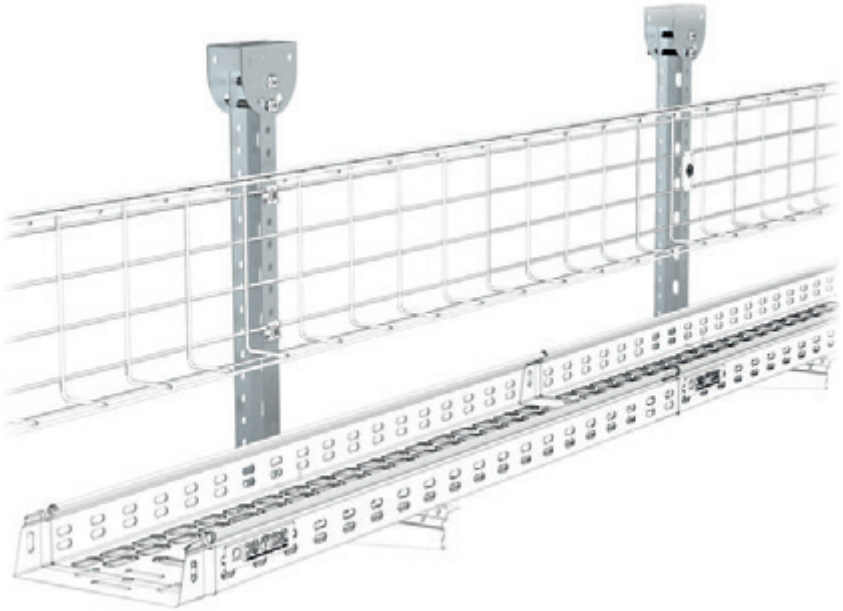
M8x65	x2	

Sistema Rail 3C 40x30.
Cargas medias y ligeras

3C Strut 40x30 System. Medium & light duty loads

Echelle EDF 3C 40x30. Charges moyennes et légères

Sistema Rail 3C 40x30. Cargas médias e leves



		x1	046
M8x20		x1	220
M6x30		x2	030

Sistema Versátil.
Amplias opciones de instalación.

Versatile system. Wide installation options.

Système polyvalent.
Options d'installation étendues.

Sistema versátil.
Extensas opções de instalação.



		x1
M10x35		x2
		x2

Sistema Rail 3C 41x41.
Cargas elevadas

3C Strut 41x41 System. Heavy duty loads

Echelle EDF 3C 41x41. Charges lourdes

Sistema Rail 3C 41x41. Cargas elevadas

Protector Omega SPLUS

Omega SPLUS Protector

Embout de Protection Omega SPLUS

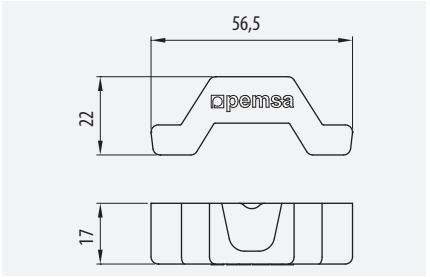
Protector Omega SPLUS



100-600

Ref	kg/u	
62031084	0,009	50

ETIM: EC000475



Tope Omega SPLUS

Omega SPLUS Plug

Butoir de Sécurité Omega SPLUS

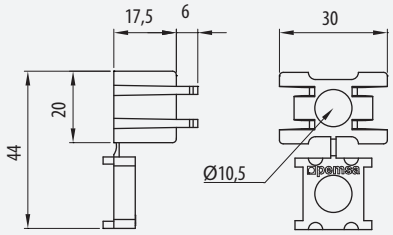
Taco Omega SPLUS



100-600

Ref	kg/u	
62031085	0,009	50

ETIM: EC000475



Conector E90 SPLUS

Connector E90 SPLUS

Connecteur E90 Omega SPLUS

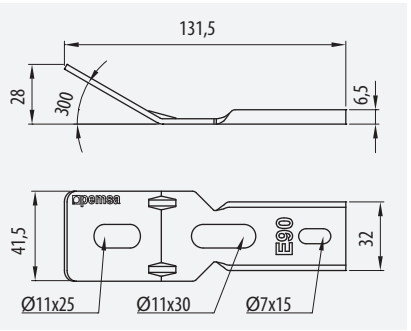
Conector E90 SPLUS



100-600

	Ref	kg/u	
GC	62031090	0,093	60

ETIM: EC000022



Conector E90 RPLUS

Connector E90 RPLUS

Connecteur E90 RPLUS

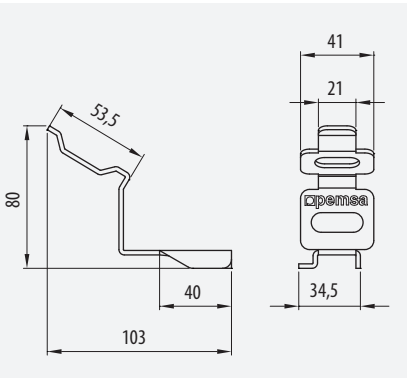
Conector E90 RPLUS



100-600

	Ref	kg/u	
GC	62035001	0,083	15

ETIM: EC000022



Pie

Floor Foot

Pied

Pé

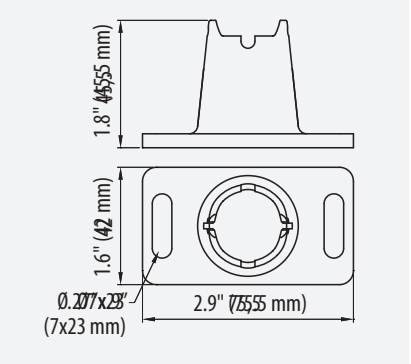


35-60-100 • 60-600

Ref	kg/u	
68000060	0,022	100

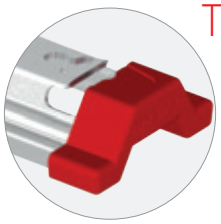
ETIM: EC000022

CTA (kg)	40





Tope
Plug
Butoir
Taco



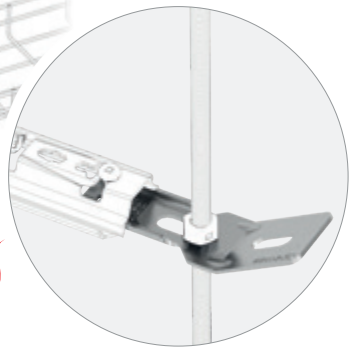
Seguridad
Safety *Sécurité* *Segurança*

Mejora la instalación
Improves the installation
Améliore l'installation
Melhora a instalação

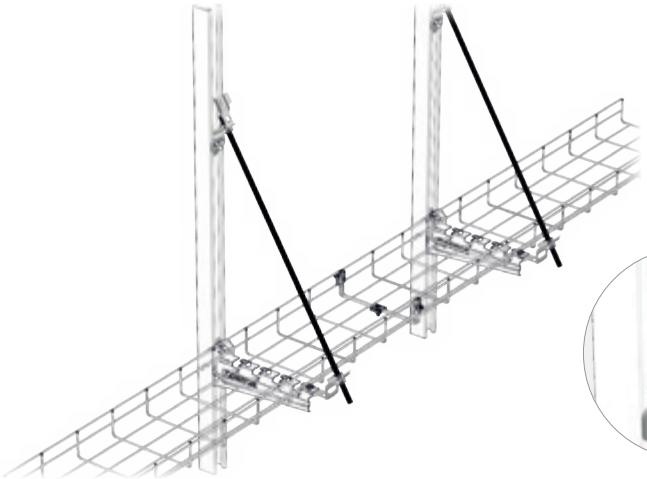


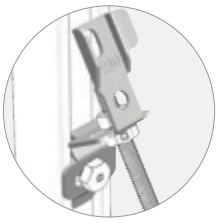
Protector
Protector
Embout de Protection
Topo Protector

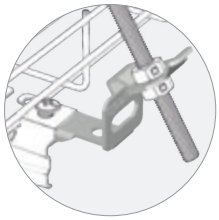




	M6x30	x1	030
	M8x1000	x1	194
	M8	x2	175

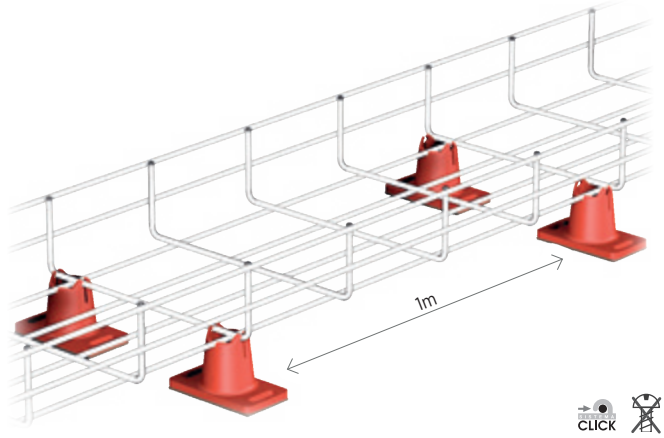


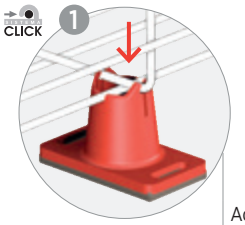


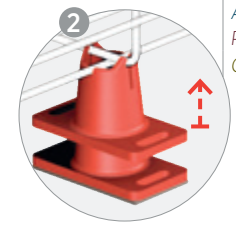


		x1	184
	M8x500	x1	194
	M8	x2	175
	M6x30	x1	174

E90







¡Fácil, económico!
Easy, Economical
Facile, Economique
Fácil, Económico

ref. 68000066

Adhesivo Pie
Adhesive & hardener
Pieds
Cola para Pé

Rápida Instalación
Quick Assembly *Installation Rapide*
Rápida Instalação

Pie Metal

Metal Foot

Pied Métallique

Pé Metálico

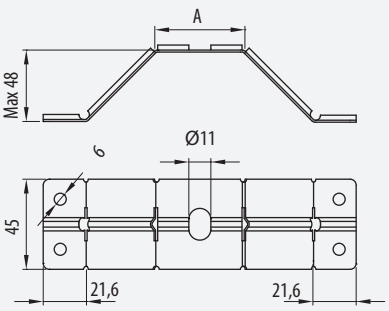




35-60-100 • 60-600

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

ETIM: EC000022



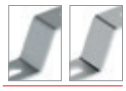
Distanciador

Stand off Bracket

Séparateur support vertical Mural

Distanciador



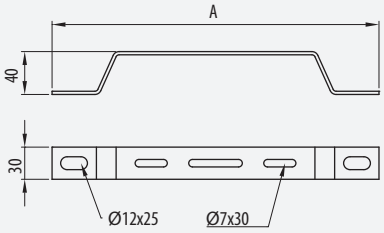


35-60-100 • 60-600

	A	Ref	kg/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

ETIM: EC000022

CTA (kg) 100



Distanciador Click

Stand off Bracket Click

Fixation Réhausse Click

Distanciador Click





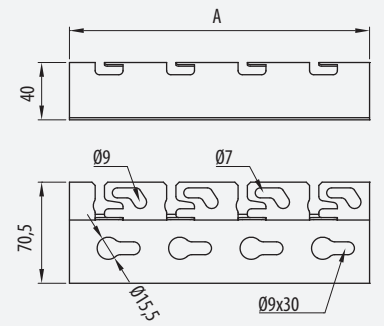
CLICK

35-60-100 • 100-600

	A	Ref	kg/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

ETIM: EC000022

CTA (kg) 250

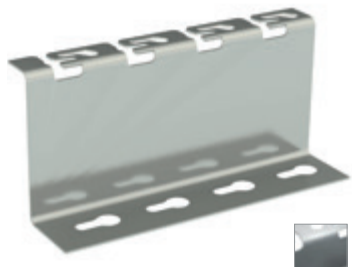


Distanciador Click 100

Stand off Bracket Click 100

Fixation Rehausse Click 100

Distanciador Click 100



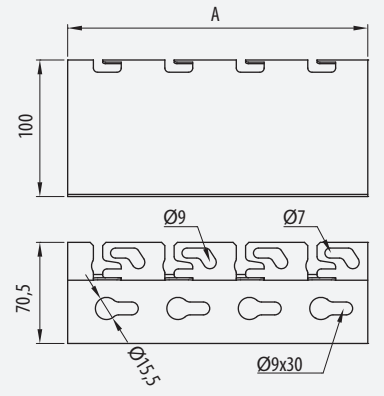


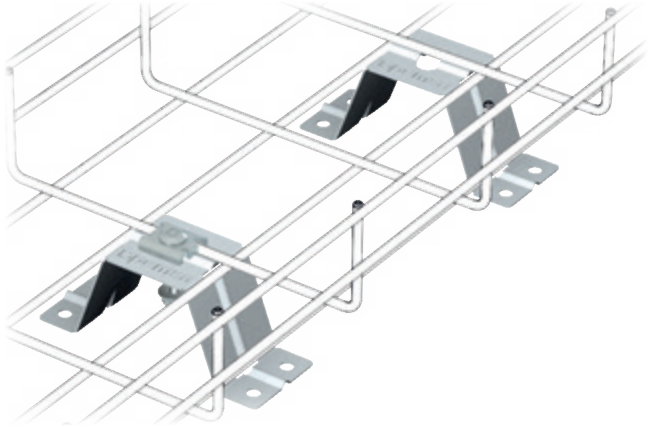
CE CLICK

• 35-60-100-150 • 100-300

	A	Ref	kg/u	
316L	100	67060560	0,191	10
	200	67060562	0,369	10
	300	67060564	0,546	10

ETIM: EC000022







Aplicaciones:

- Suelos técnicos
- Instalaciones Comunicaciones
- Salas de Instalaciones

Applications:

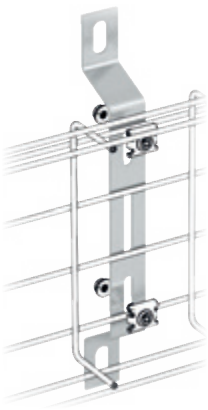
- *Technical floors*
- *Communication Installations*
- *Technical rooms*

Applications:

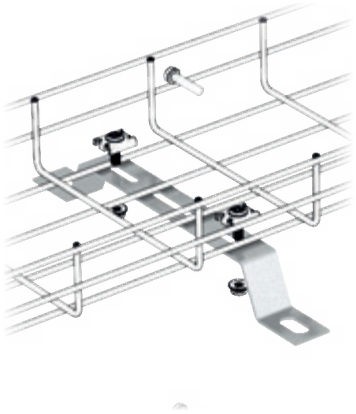
- *Sols techniques*
- *Installations, communications*
- *Salles techniques*

Aplicações:

- *Pisos técnicos*
- *Instalações Comunicações*
- *Salas Técnicas de instalações*







↓CTA↓ (kg) 56



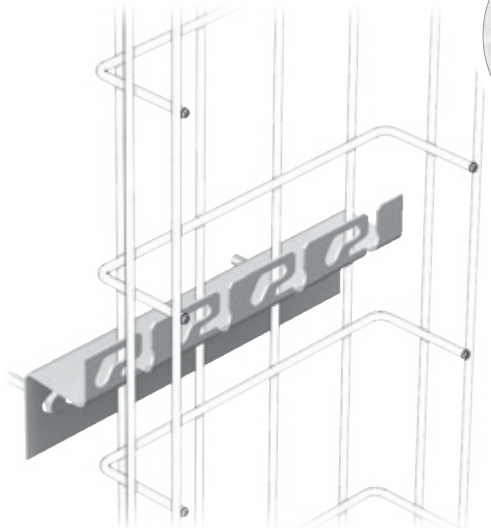
CLICK

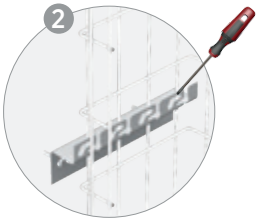
Premontaje vertical seguro. No se cae

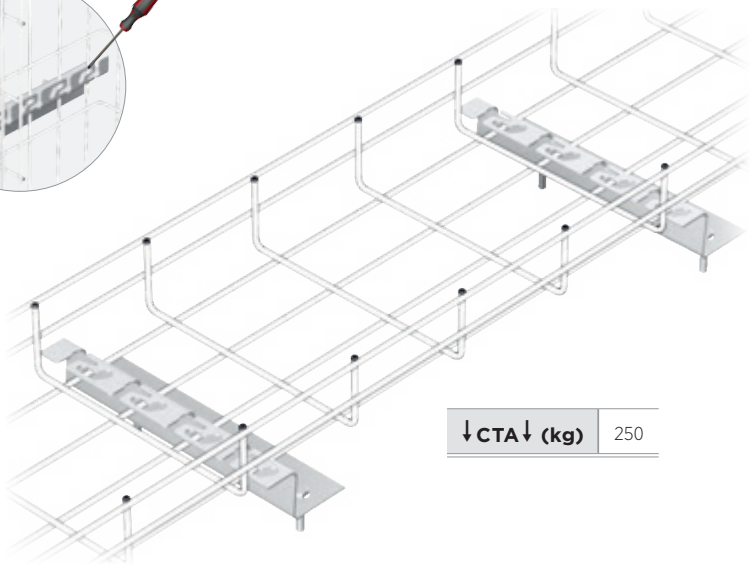
Safe vertical pre-assembly. Does not fall off

Pré-montage à la Vertical. Exellente tenue.

Montagem vertical segura. Não cai







↓CTA↓ (kg) 250

CLICK

Sistema Click.
Sin tornillos

Click System.
No screws are required
Système Click. Sans vis
Sistema Click. Sem parafusos

Suspensión Omega SPLUS

SPLUS Omega Suspension

Suspension Omega SPLUS

Suspensão Omega SPLUS

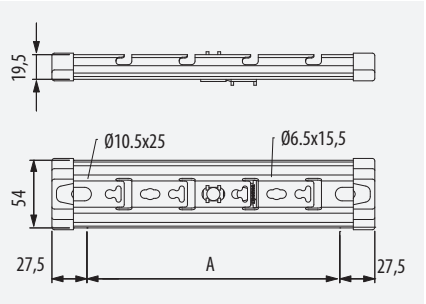


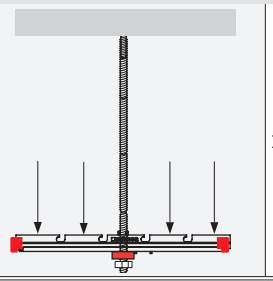


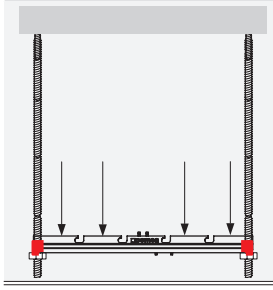
35-60-100 • 100-600

	A	Ref	kg/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
AZ+	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
CU	100	82003289	0,128	10
	150	82003290	0,175	10
	200	82003291	0,213	10
	300	82003292	0,299	10
	400	82003293	0,384	10
	500	82003294	0,469	10
	600	82003295	0,554	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

ETIM: EC001003



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

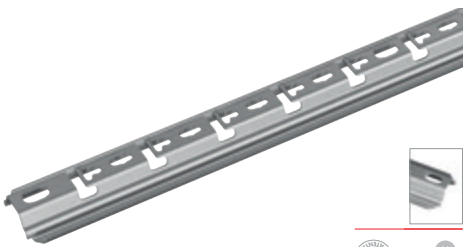
↓CTA↓ (kg)		kg
doble varilla/*double rod*/ *double tige filetée*/*dupla varão*		
	400-600	390

Rail Omega SPLUS

SPLUS Omega Channel

Rail Omega SPLUS

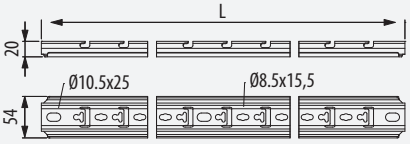
Perfil Omega SPLUS



35-60-100 • 100-600

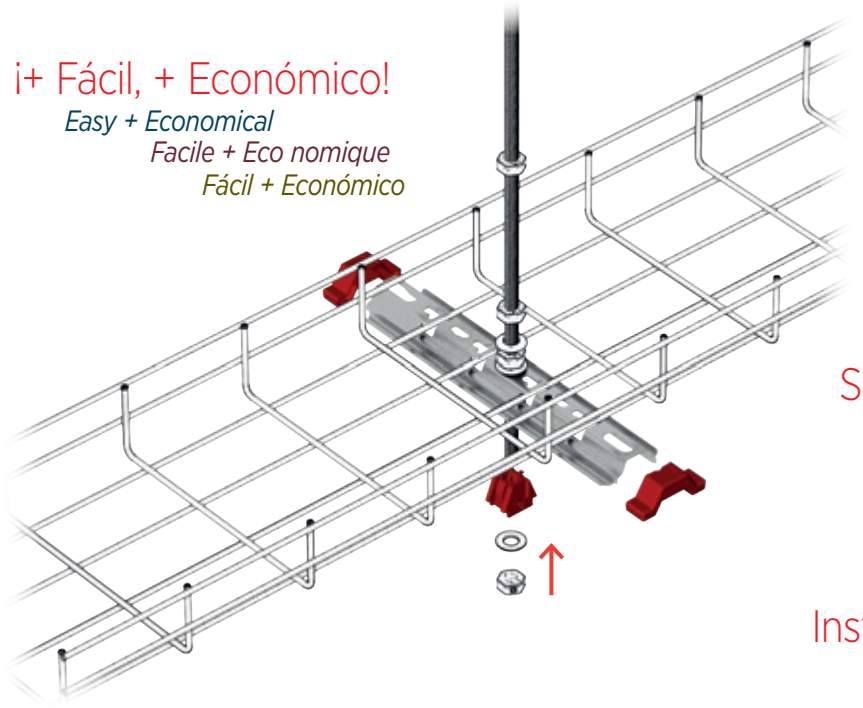
	L	Ref	kg/u	
PG	1000	67020110	1,196	1
	2000	67020111	2,331	1
	3000	67020112	3,462	1
AZ+	1000	67030110	1,229	1
	2000	67030111	2,399	1
	3000	67030112	3,555	1

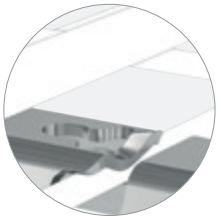
ETIM: EC001003



¡+ Fácil, + Económico!

Easy + Economical
Facile + Eco nomique
Fácil + Económico



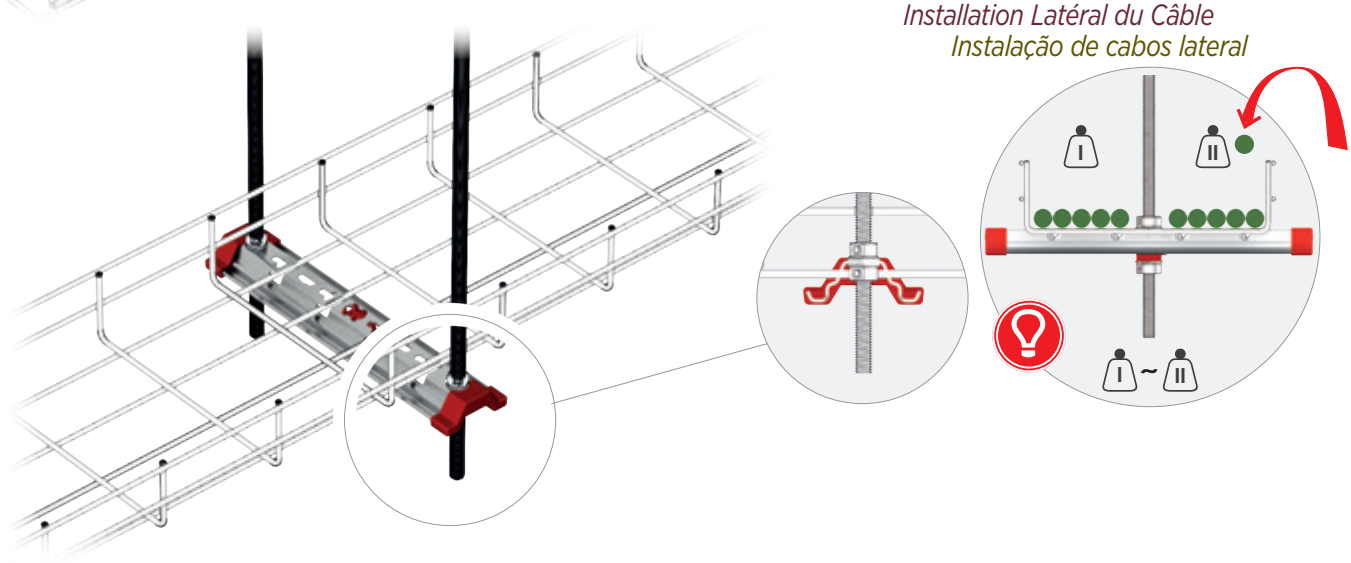


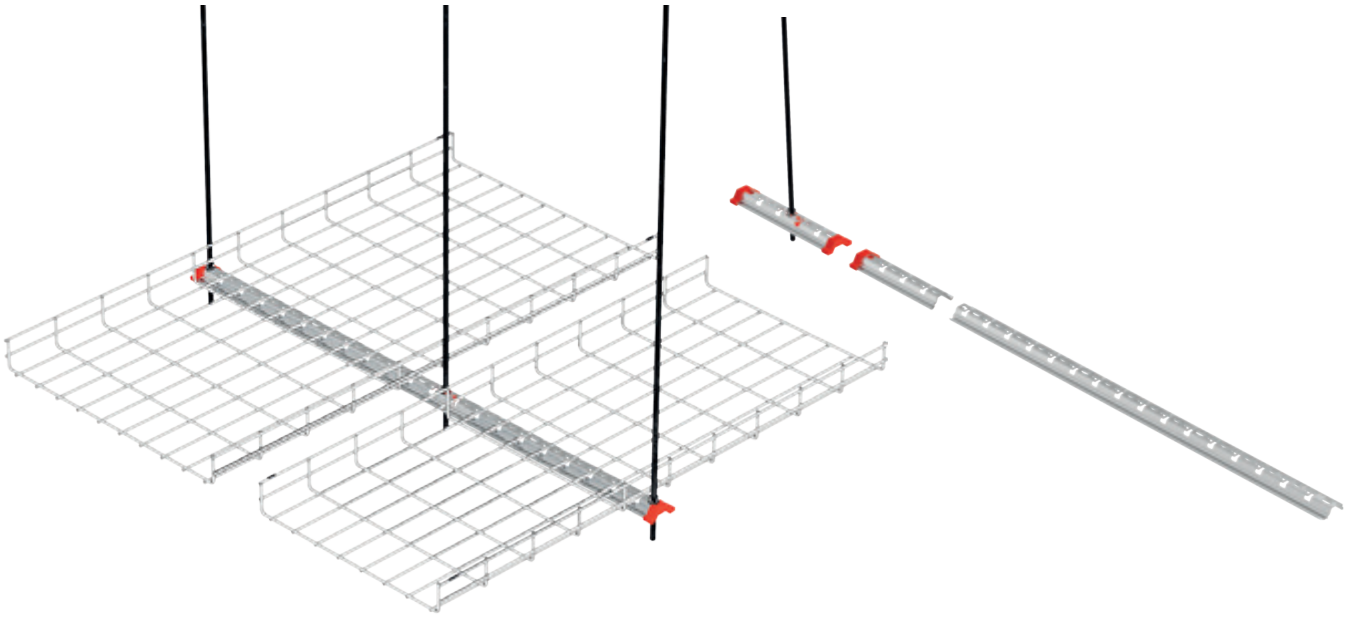
Sistema Click. Sin fijaciones

Click System. No additional fixings
Système Click sans Fixation
Sistema Click. Sem fixações

Instalación lateral del cable

Installation of cables from the side
Installation Latéral du Câble
Instalação de cabos lateral





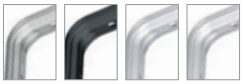
Péndulo Omega SPLUS

Bracket/Pendant SPLUS

Pendard Omega SPLUS

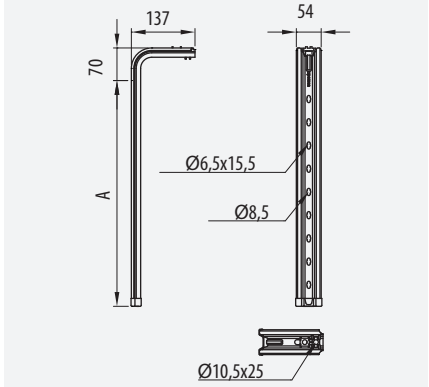
Pêndulo Omega SPLUS



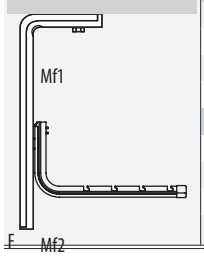


	300-600			
	A	Ref	kg/u	
GS	300	62021304	0,572	5
	400	62021404	0,693	5
	500	62021504	0,796	5
	600	62021604	0,916	5
GC	300	62031304	0,586	5
	400	62031404	0,711	5
	500	62031504	0,815	5
	600	62031604	0,939	5
C8	300	62081304	0,566	5
	400	62081404	0,681	5
	500	62081504	0,524	5
	600	62081604	0,949	5
304	300	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

ETIM: EC000082



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



Soporte Techo 41x41

Pendant Drop 41x41

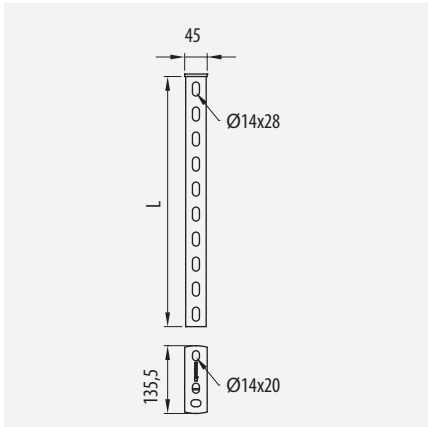
Pendard Omega SPLUS

Pêndulo Reforçado 41x41

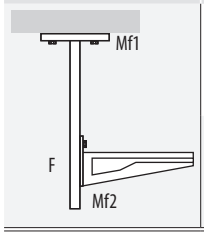


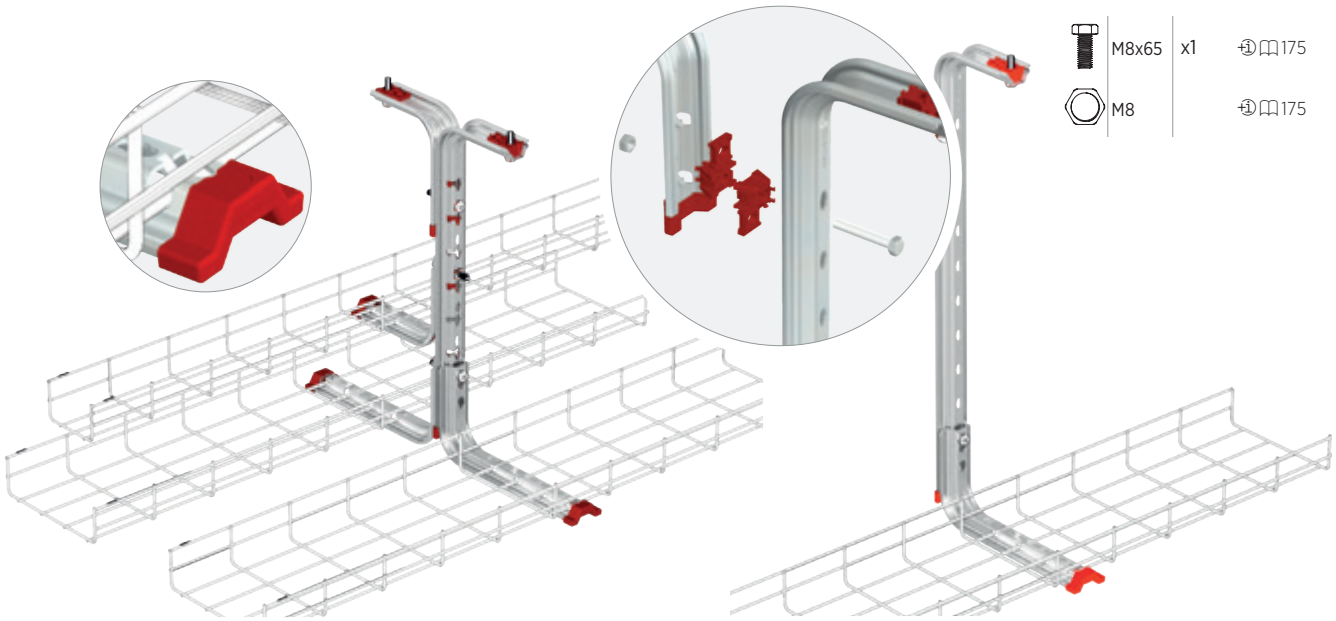
	L	Ref	kg/u	
GC	500	67030660	1,455	1
	1000	67030661	2,356	1

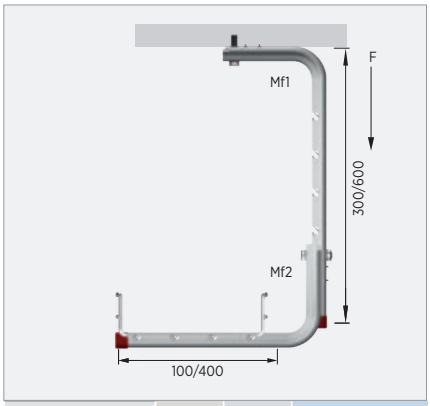
ETIM: EC000082



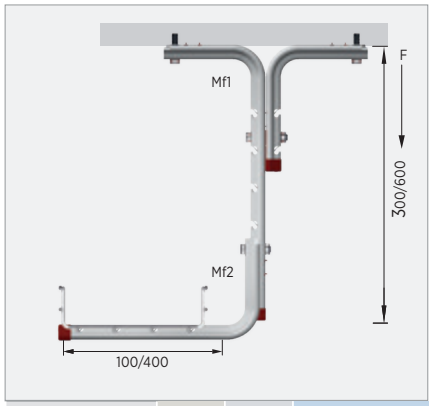
CTA (kg)		F kg	Mf1 kg.m	Mf2 kg.m
	300	200	9	7
	400	200	7	6



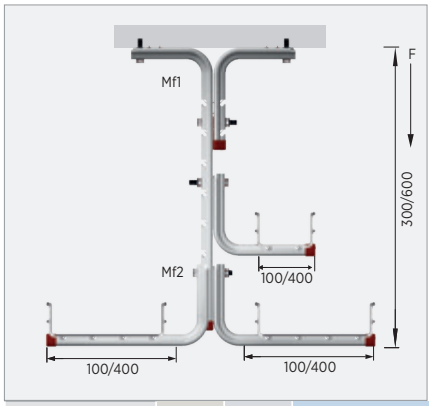




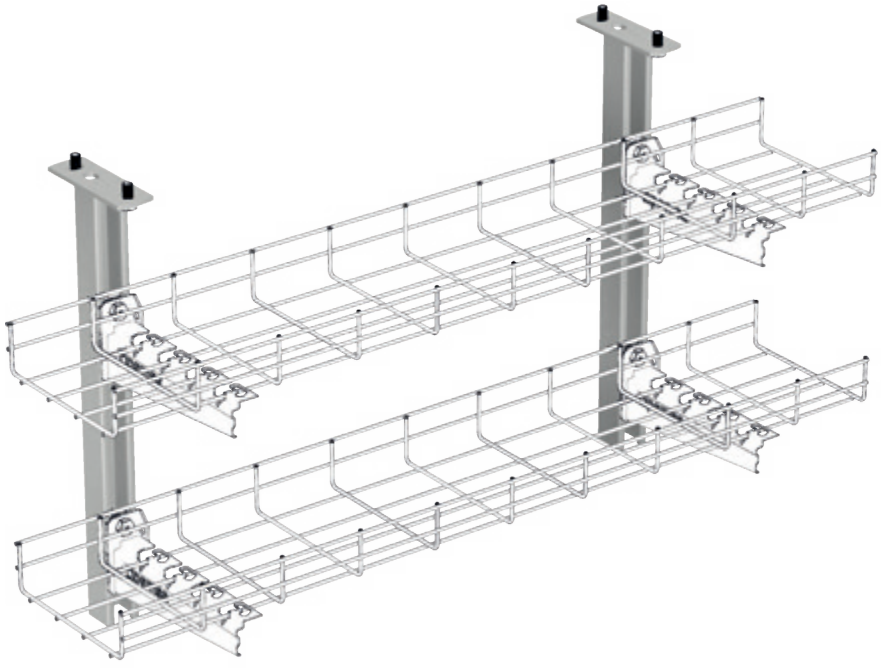
	PG	GC	316L
F (kg)	200	180	380
Mf1 (kgm)	7	7	11
Mf2 (kgm)	6	6	13

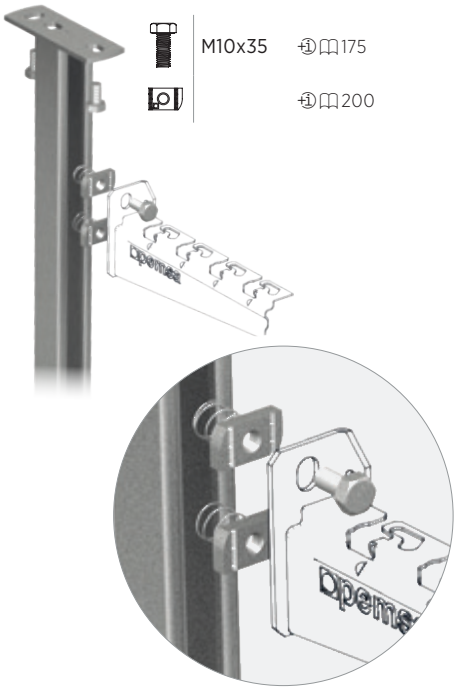


	PG	GC	316L
F (kg)	330		330
Mf1 (kgm)	40		40
Mf2 (kgm)	15		19



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





Soporte Techo Doble 41x41

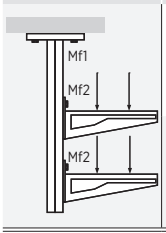
Double Pendant Drop 41x41

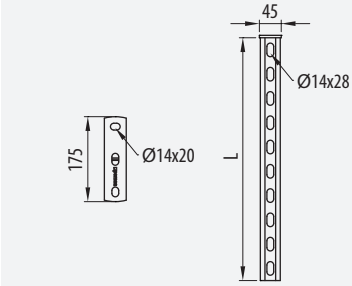
Double Pendard

Pêndulo Reforçado Duplo 41x41



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

↓CTA↓ (kg)	F kg	Mf1 kg.m	Mf2 kg.m
			
500	530	103	57
1000	530	103	57



ETIM: EC000082

Raíl Péndulo Reforzado

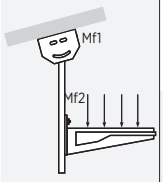
Heavy Duty Pendant Channel

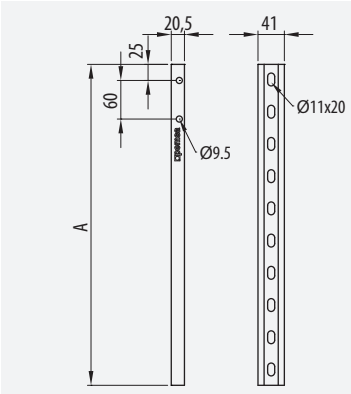
Echelle Rail Pendard Renforcé R21

Perfil Pêndulo Reforçado



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

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



ETIM: EC000082

Suspensión Raíl Péndulo

Heavy Duty Pendant Boss

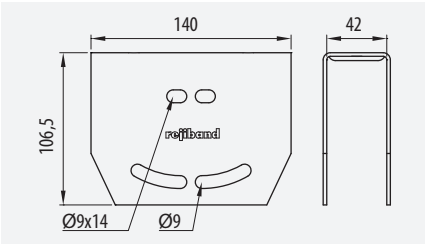
Gousset Double Suspension Rail Pendard Renforcé

Suspensão Pêndulo Reforçado



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

ETIM: EC000082



Soporte RPLUS Simétrico

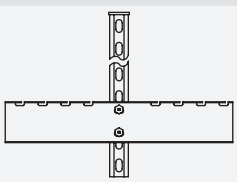
Symmetrical RPLUS Bracket

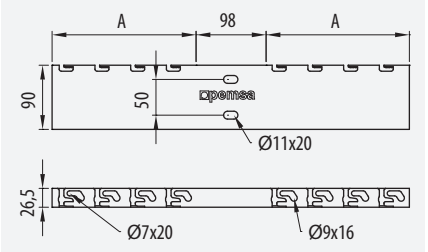
Support Double Symétrique

Suporte RPLUS Simétrico

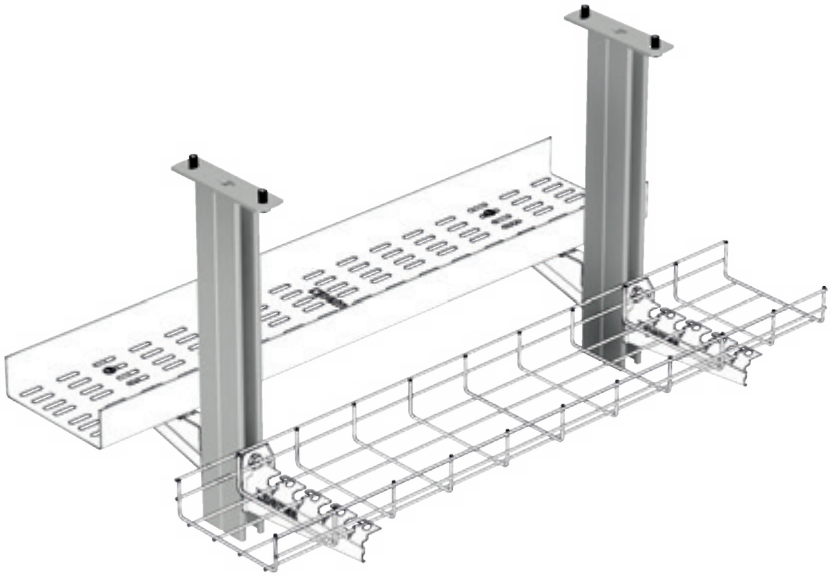


S	A	Ref	kg/u	u
GC	100	63034103	0,481	4
	150	63034153	0,653	4
	200	63034203	1,042	4
	300	63034303	1,452	4

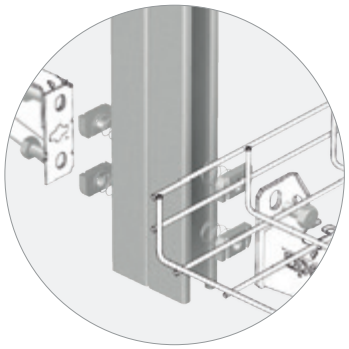
↓CTA↓ (kg)	kg
	
100	45
150	80
200	170
300	150

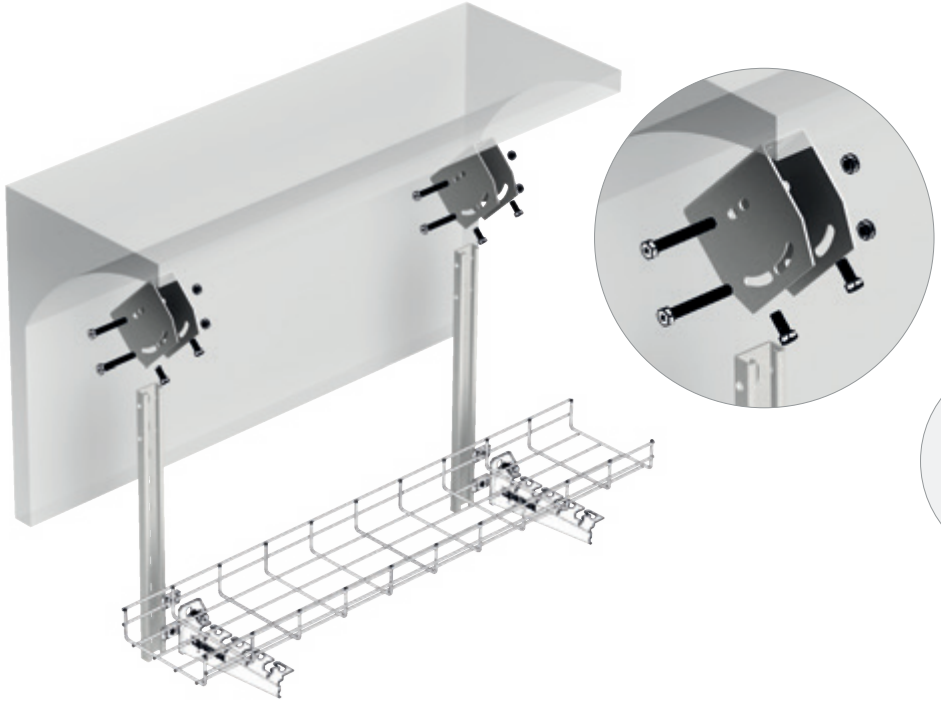


ETIM: EC001003

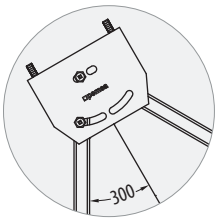


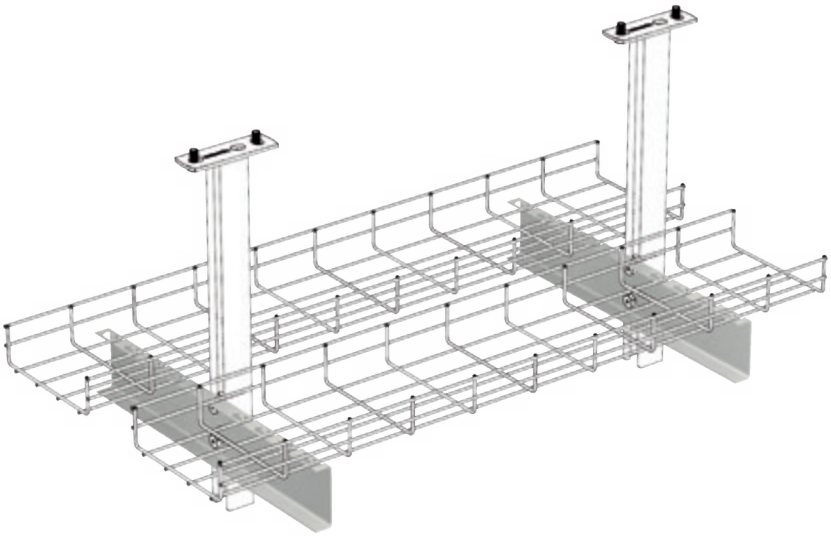
M10x35	x4	175
	x4	200



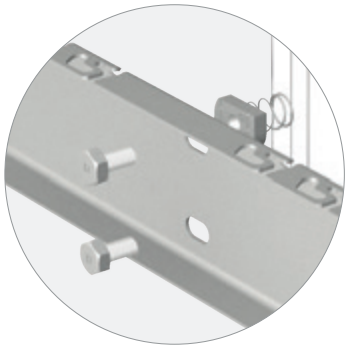


M8x60	x2	175
M8	x2	175





M10x35	x2	175
	x2	200



Fijación Techo

Ceiling Rod Bracket
Fixation Plafond
Fixação Tecto

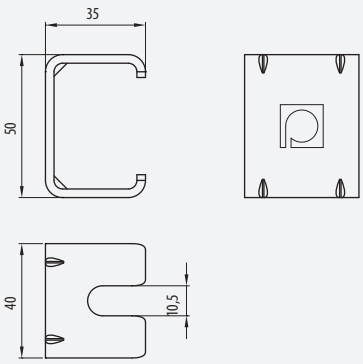


Ⓢ	Ref	kg/u	
PG	67030060	0,094	10

ETIM: EC001003

↓CTA↓ (kg)	275





Fijación Techo Orientable

Variable Ceiling Rod Bracket
Fixation Plafond Orientable
Fixação Tecto Orientável

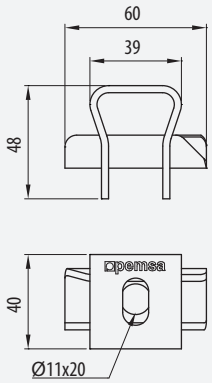


Ⓢ	Ref	kg/u	
GC	67030061	0,152	1

ETIM: EC001003

↓CTA↓ (kg)	127

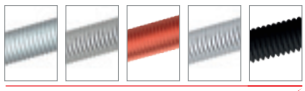




Varilla Roscada

Threaded Rod
Tige Filetée
Varão roscado



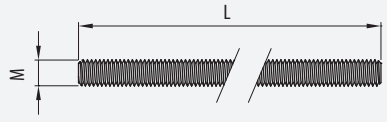


E90

Ⓢ	M	L	Ref	kg/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
	M10	1000	67020145	0,491	50
GC	M8	1000	67030045	0,321	50
CU	M6	1000	82003296	0,320	50
316L	M6	1000	67060141	0,241	50
	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

ETIM: EC001003





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

Conector M8

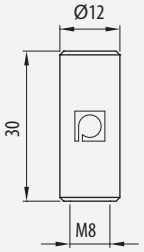
M8 Rod Connector
Manchon fileté M8
União M8

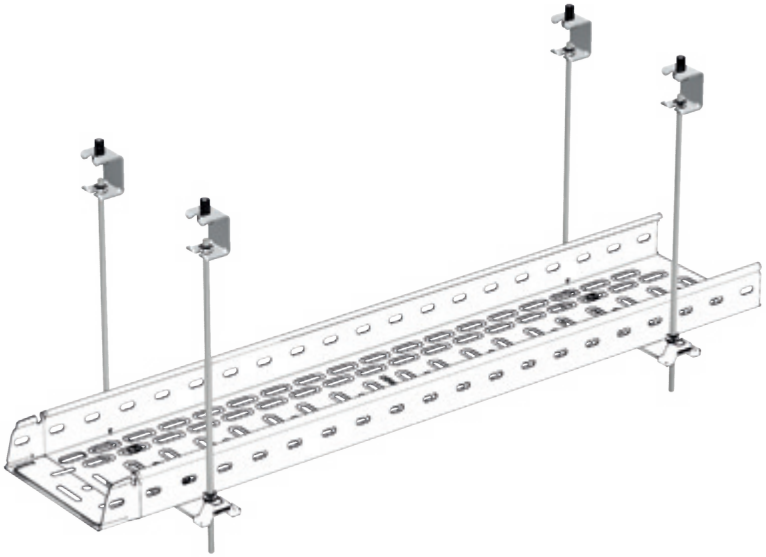


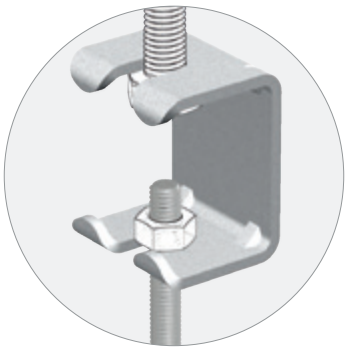
Ⓢ	Ref	kg/u	
BC	67020067	0,016	50

ETIM: EC001003

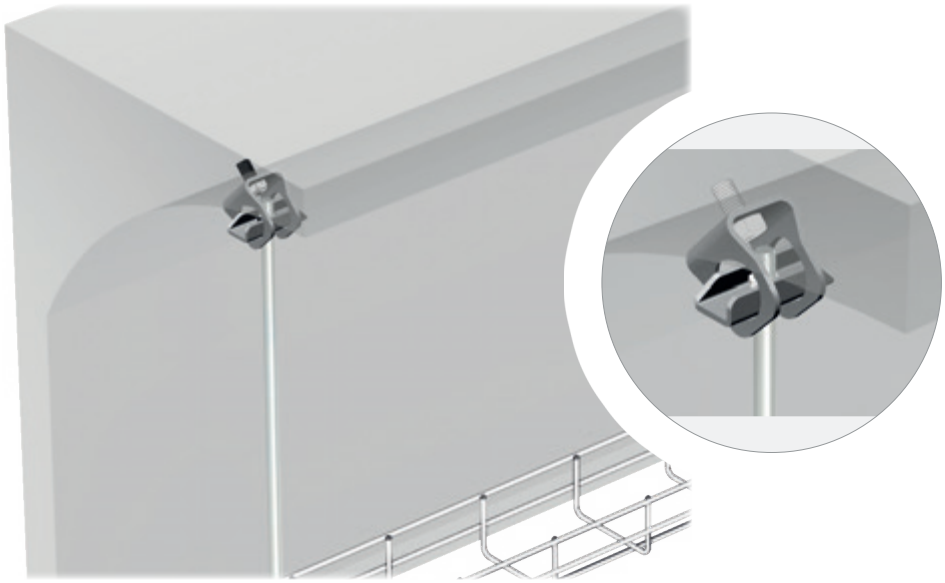




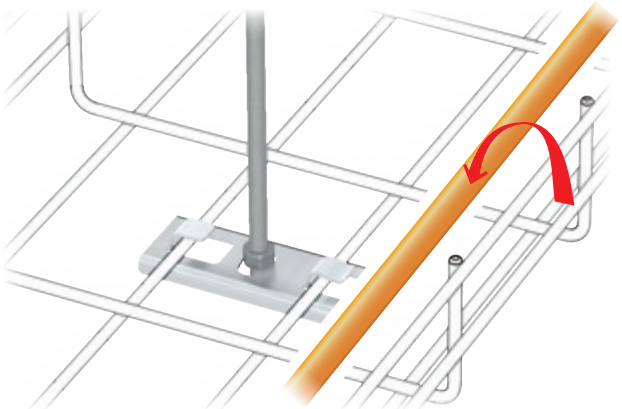




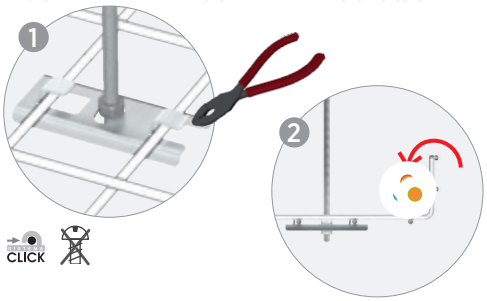
x1 194
x2 175

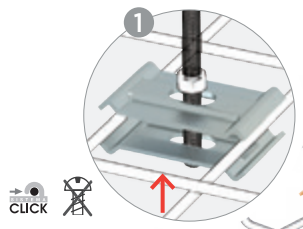


x1 194
x2 175

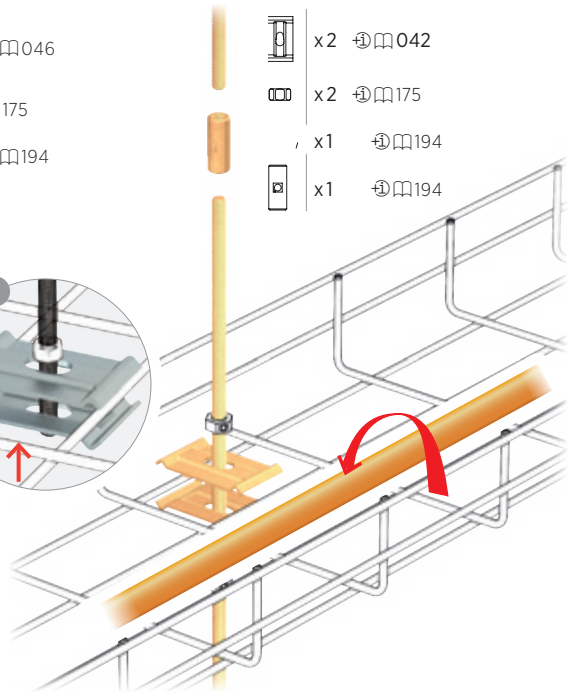


x1 046
x2 175
x1 194





x2 042
x2 175
x1 194
x1 194



Conjunto Péndulo Grapa Viga

Beam Clamp Hanging Assembly

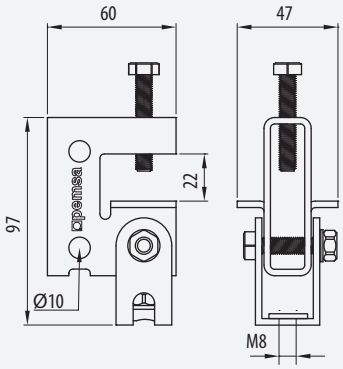
Agrafe poutre pour suspension par tige fileté

Conjunto Pêndulo Grampo de Viga



Ⓢ	Ref	kg/u	
EZ	67020048	0,343	1

ETIM: EC001003



Soporte Panel Sandwich

Panel Sandwich Support

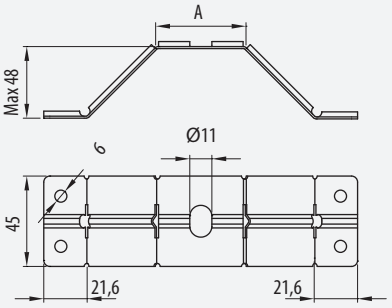
Support de panneaux en Sandwich

Suporte Painel Sandwich



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

ETIM: EC001003



Garra Horizontal de Suspensión

Horizontal Angle Hanger

Griffe horizontale de suspension

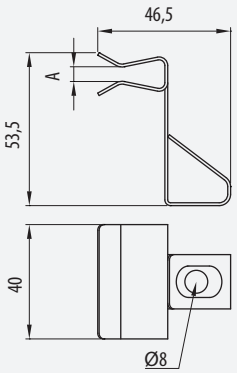
Garra Horizontal de Suspensão



Ⓢ	A	Ref	kg/u	
PASSV	1,5 / 5	68000721	0.051	100
	4.0 / 10	68000722	0.051	100

ETIM: EC001003

↓CTA↓ (kg)	65



Garra Vertical de Suspensión

Vertical Angle Hanger

Griffe verticale de suspension

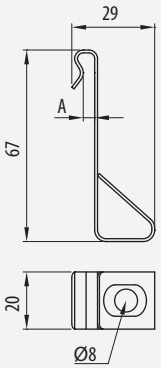
Garra Vertical de Suspensão

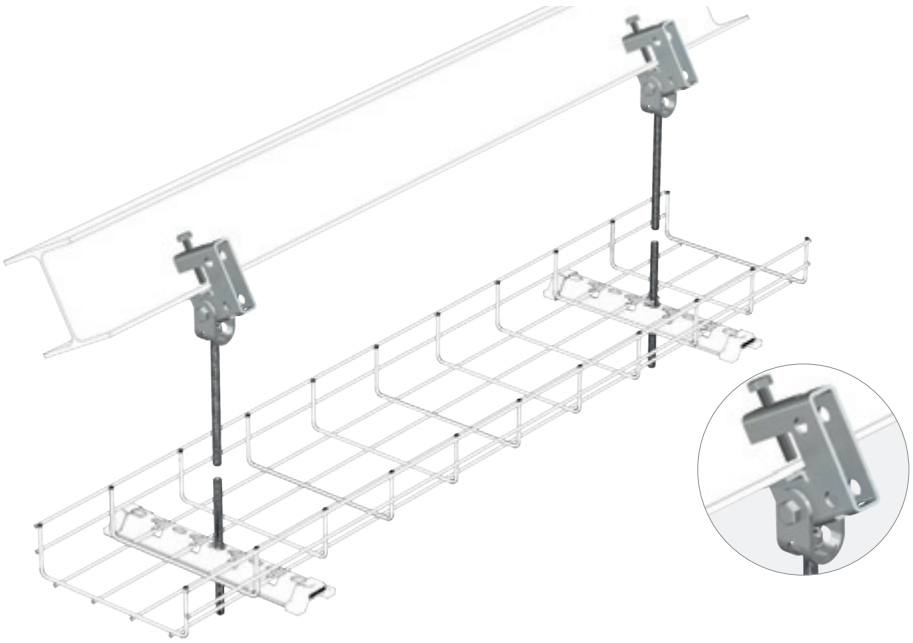


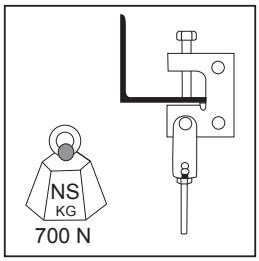
Ⓢ	A	Ref	kg/u	
PASSV	1,5 / 5	68000731	0.041	100
	4.0 / 10	68000732	0.041	100

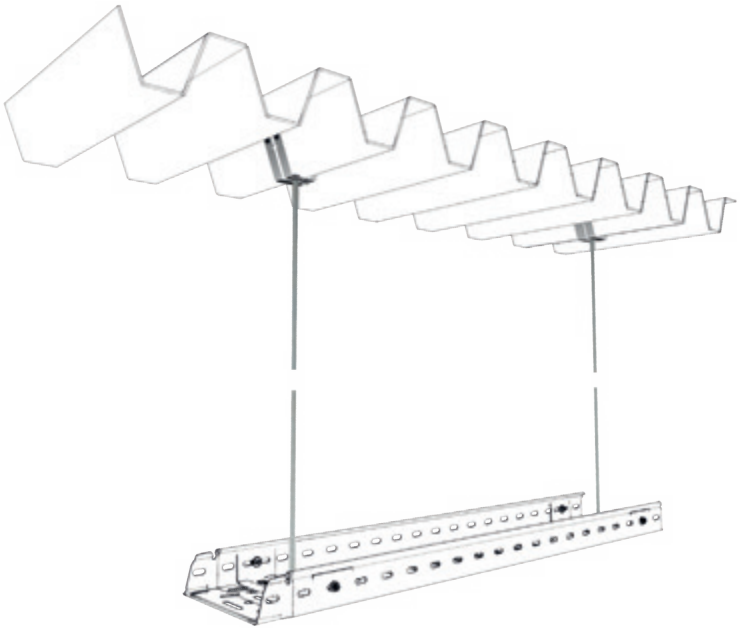
ETIM: EC001003

↓CTA↓ (kg)	65





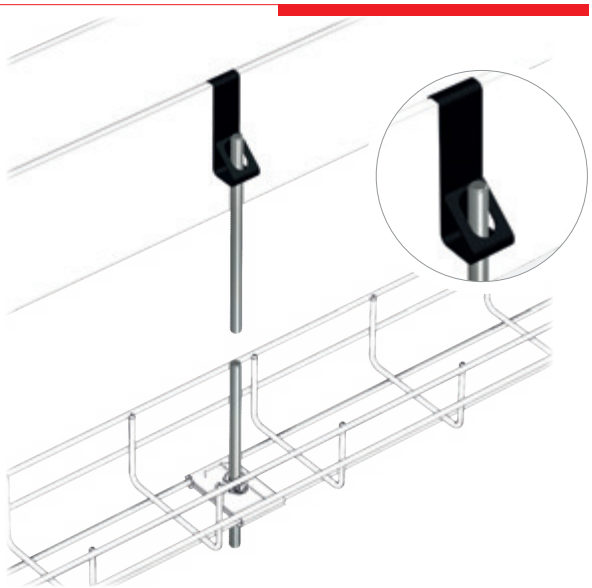

NS
KG
700 N











pemsa

Raíl 41x21

Light Duty Channel 41x21

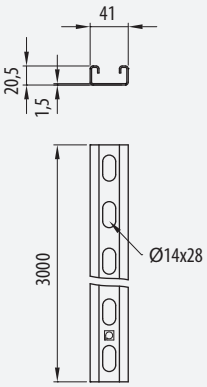
Rail 41x21

Perfil 41x21



S	}	Ref	kg/u	
PG	1,5	67030075	1,211	3

ETIM: EC000386



Raíl 41x41

Light Duty Channel 41x41

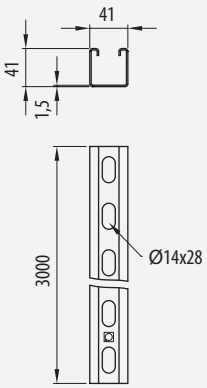
Rail 41x41

Perfil 41x41



S	}	Ref	kg/u	
PG	1,5	67030074	1,681	3

ETIM: EC000386



Raíl Reforzado 41x21

Heavy Duty Channel 41x21

Rail très renforcé 41x21

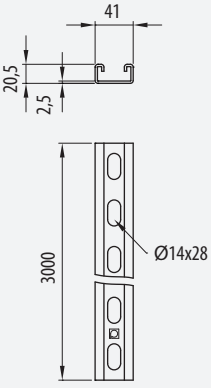
Rail Reforçado 41x21





S	}	Ref	kg/u	
PG	2,5	67030052	1,901	3
GC	2,5	67030055	1,803	3
316L	2,5	67060055	1,735	3

ETIM: EC000386



Raíl Reforzado 41x41

Heavy Duty Channel 41x41

Railtrès renforcé 41x41

Rail Reforçado 41x41

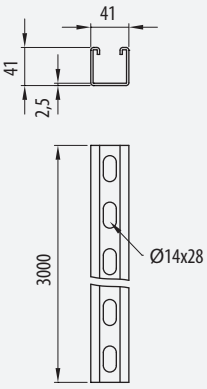


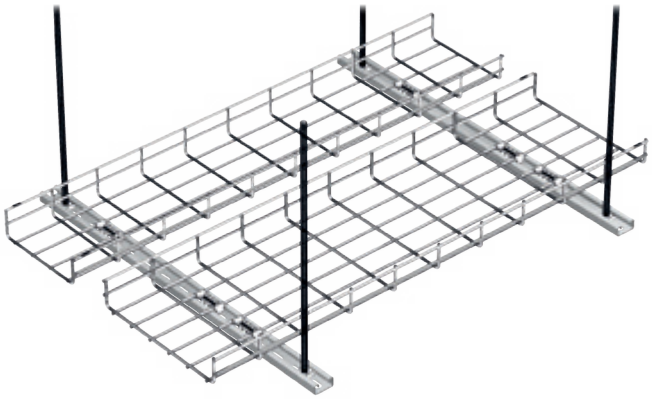


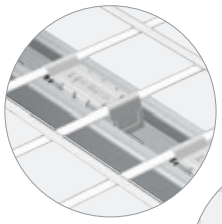
E90

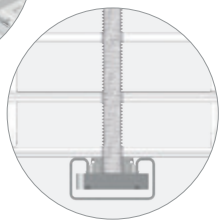
S	}	Ref	kg/u	
PG	2,5	67030053	2,561	3
GC	2,5	67030057	2,561	3
316L	2,5	67060057	2,541	3

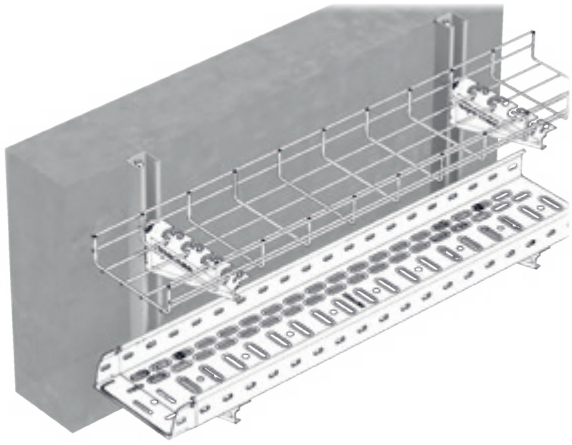
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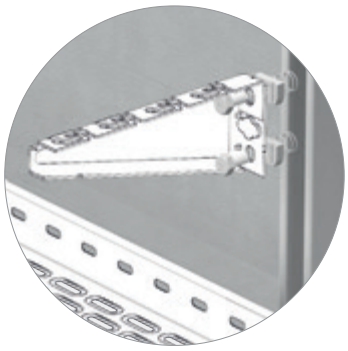






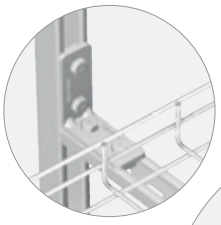


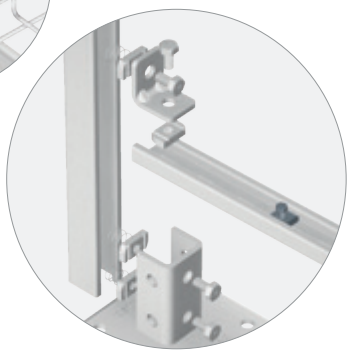




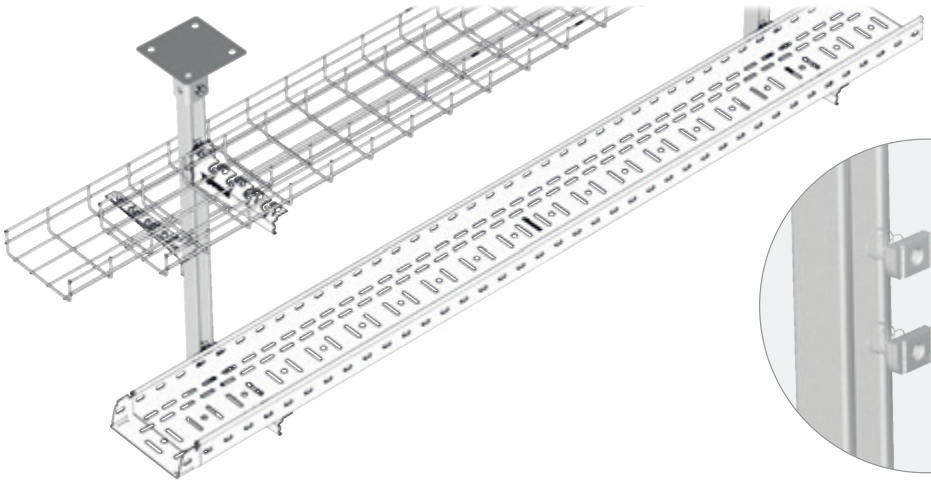
M10x35	x2	175
	x2	200
	x1	198

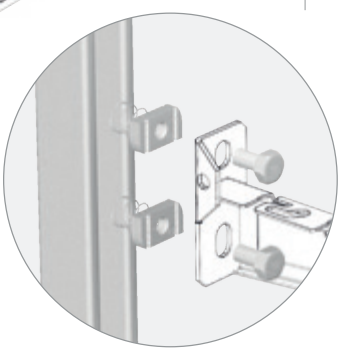






M10x20	x2	175
	x2	200





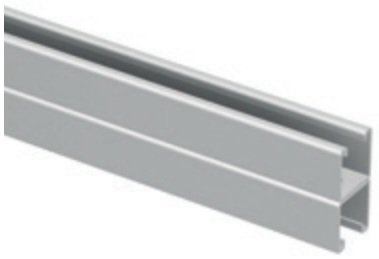
M10x35	x2	175
	x2	200

Raíl Reforzado 41x82

Heavy Duty Channel 41x82

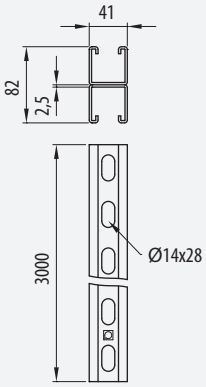
Rail très renforcé 41x82

Perfil Reforçado 41x82



Ⓢ	}	Ref	kg/u	
GC	2,5	67030157	5,292	3

ETIM: EC000386



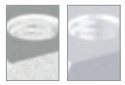
Tuerca Raìl

Plain Channel Nut

Ecrou Rail

Porca de Perfil

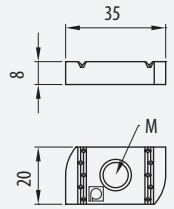




• 41x21 • 41x41

Ⓢ	M	Ref	kg/u	
EZ	M6	67020055	0,031	100
	M8	67010056	0,031	100
GC	M6	67030054	0,031	100
	M8	67030056	0,031	100
316	M6	67060054	0,031	100
	M8	67060056	0,031	100
	M10	67060058	0,031	100

ETIM: EC000482



Tuerca Muelle Raíl M10

Spring Channel Nut M10

Ecrou à Ressort Rail M10

Porca de Perfil Mola M10

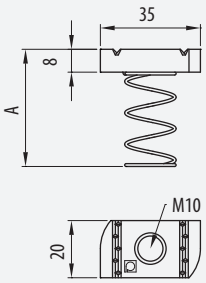




• 41x21 • 41x41

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

ETIM: EC000482



Tornillo Muelle Raìl M10

Spring Channel Screw M10

Ecrou Vis à Ressort M10

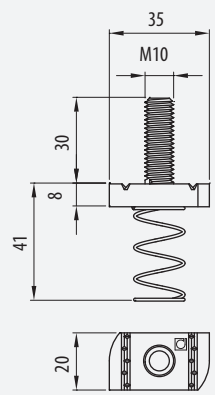
Parafuso de Perfil M10



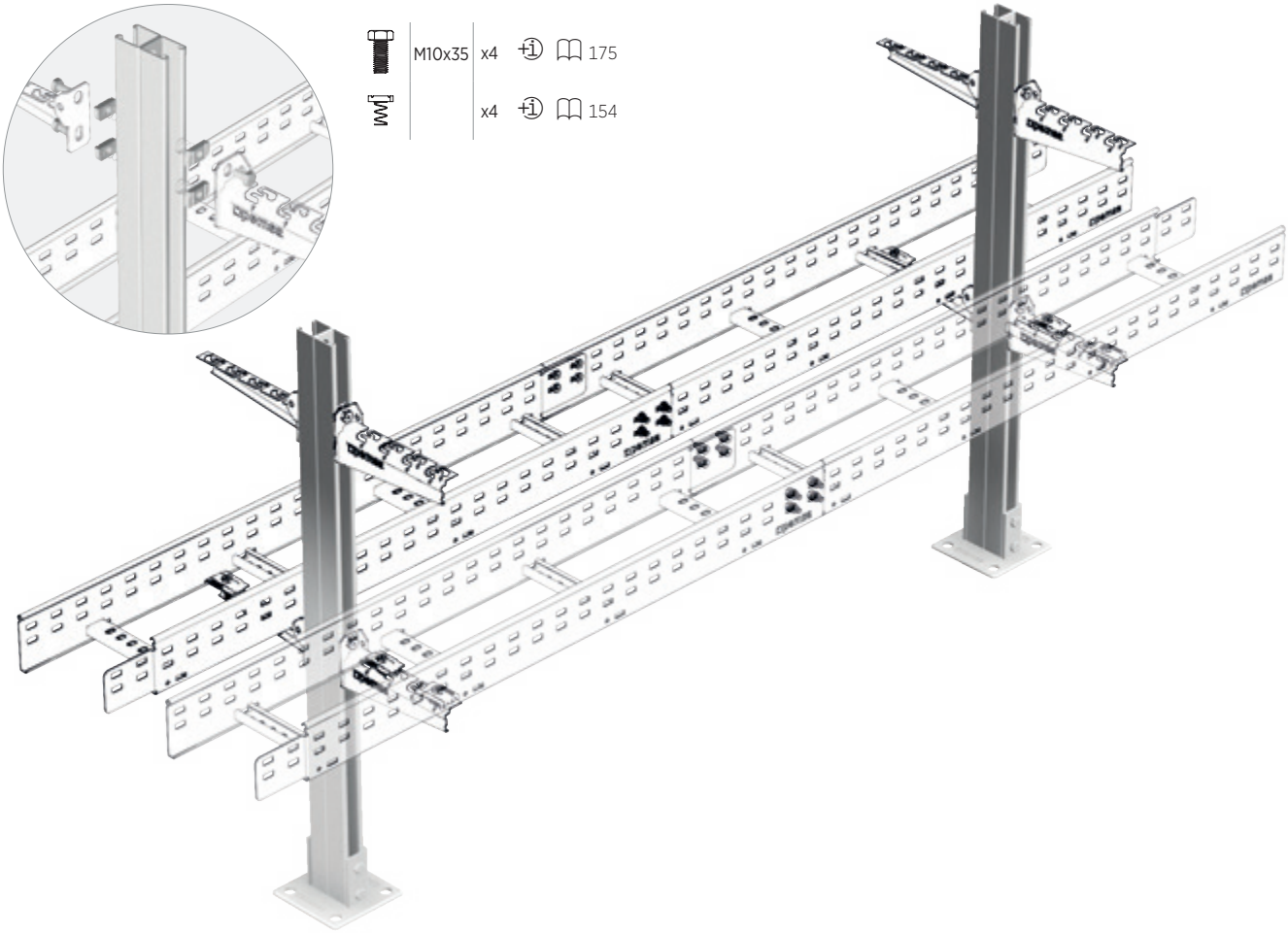
• 41x41

Ⓢ	Ref	kg/u	
EZ	67020159	0,023	100

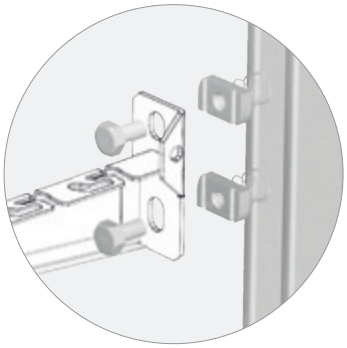
ETIM: EC000482

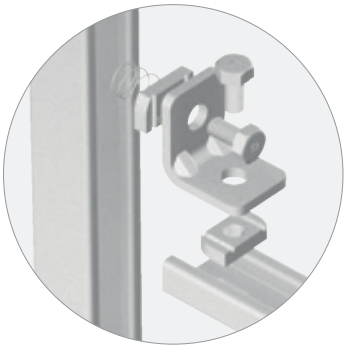


M10x35 x4 175
x4 154

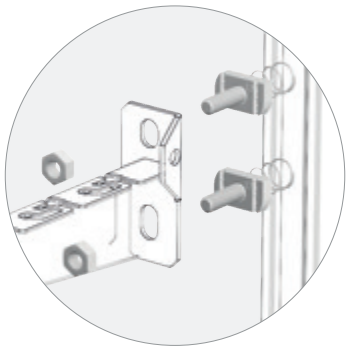


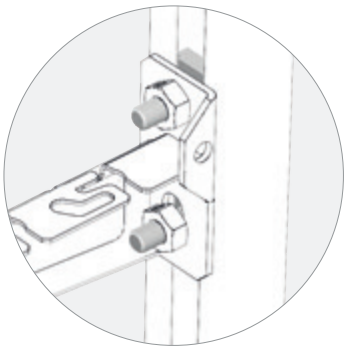
M10x35 x2 175
x2 200





M10x35 x2 175
M10 x2 198
203





M10x35 x2 200
M10 x2 175

Clip Fijación Raíl

Channel Strut Clip

Fixation Rapide Click Rail

Clip de Fixação em Perfil

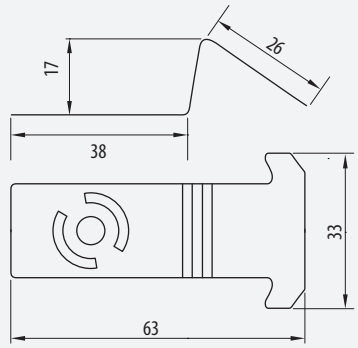


• 35-60-100 • 100-600

S	Ref	kg/u	u
GC	67030049	0,016	50

ETIM: EC000483

170 M0A



Tapón Final Raíl

Channel End Plug

Embout de Finition

Tampa final de perfil

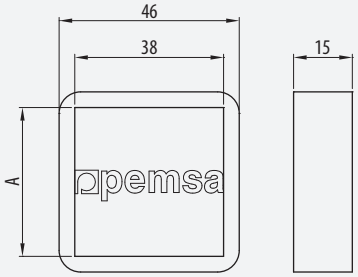


• 41x21 • 41x41

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

ETIM: EC000475

170 M0B



Unión Recta Nº 1

Splice Plate Nº 1

Eclisse Plate Nº 1

União Nº 1

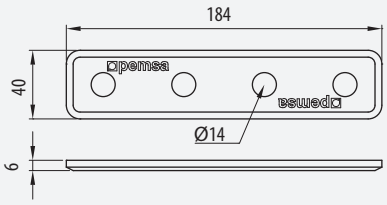


• 41x21 • 41x41

S	Ref	kg/u	u
GC	67030205	0,241	1

ETIM: EC000482

170 M01



Unión Recta U Nº 2

U Shape Splice Plate Nº 2

Eclisse U Nº 2

União Nº 2

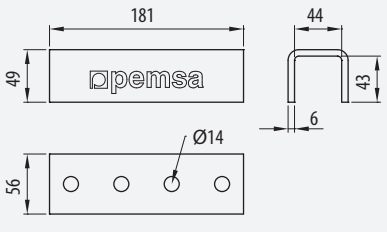


• 41x41 • 41x82

S	Ref	kg/u	u
GC	67030214	0,291	1

ETIM: EC000482

170 M02



Unión Escuadra 90° Nº 3

90° 2 Hole Angle Bracket Nº 3

Equerre 90° trous Nº 3

Esquadria 90° Nº 3

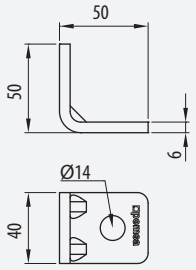


• 41x21 • 41x41

Ref	kg/u	
GC 67030201	0,151	1

ETIM: EC000482

208 M03



Unión Escuadra 90° Nº 4

90° 4 Hole Angle Bracket Nº 4

Equerre 90° trou 4

Esquadria 90° Nº 4

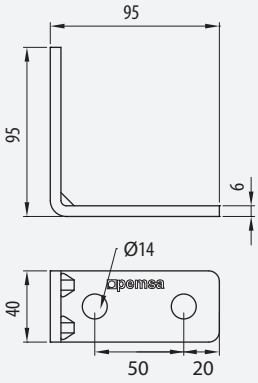


• 41x21 • 41x41 • 41x82

Ref	kg/u	
GC 67030202	0,321	1

ETIM: EC000482

208 M04



Unión Escuadra 45° Nº 5

45° External Angle Bracket Nº 5

Equerre 135°Angle Ext. Nº 5

Esquadria 45° Nº 5

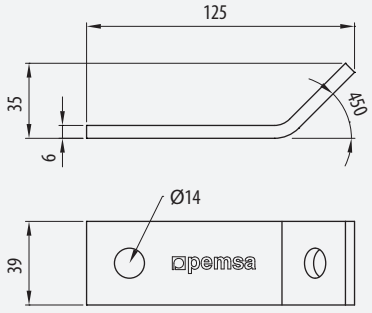


• 41x21 • 41x41

Ref	kg/u	
GC 67030210	0,291	1

ETIM: EC000482

208 M05



Unión Escuadra 45° Nº 6

45° Internal Angle Bracket Nº 6

Equerre 45° Angle Int Nº 6

Esquadria 45° Nº 6

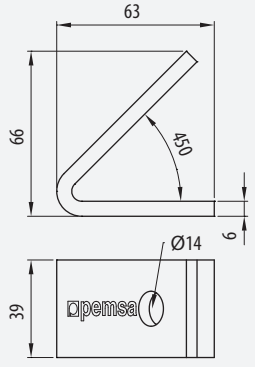


• 41x21 • 41x41

Ref	kg/u	
GC 67030209	0,151	1

ETIM: EC000482

209 M06



Unión Escuadra Nº 7

L Bracket Nº 7

Equerre Plate L Nº 7

Esquadria 45° Nº 7

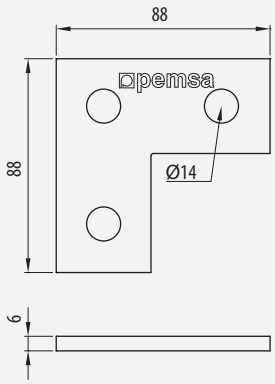


• 41x21 • 41x41

	Ref	kg/u	
GC	67030211	0,291	1

ETIM: EC000482

209 M07



Unión T Nº 8

90° Tee Joint Nº 8

TE Equerre 4 trous Nº 8

União e Esquadria de Fixação Nº 8

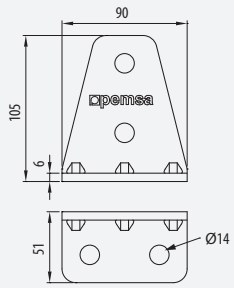


• 41x21 • 41x41 • 41x82

	Ref	kg/u	
GC	67030204	0,451	1

ETIM: EC000482

209 M08



Unión T Nº 9

Flat Tee Joint Nº 9

TE Plat 3 trous Nº 9

União e Esquadria de Fixação Nº 9

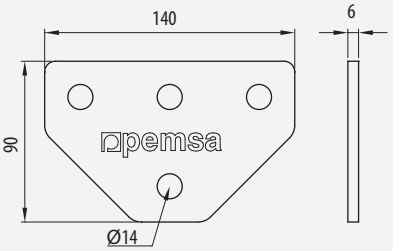


• 41x21 • 41x41

	Ref	kg/u	
GC	67030203	0,311	1

ETIM: EC000482

209 M09



Unión Escuadra Triple Nº 10

3 Way Bracket Nº 10

Union Plate 3 directions 45° Nº 10

União de Esquadria Tripla Nº 10

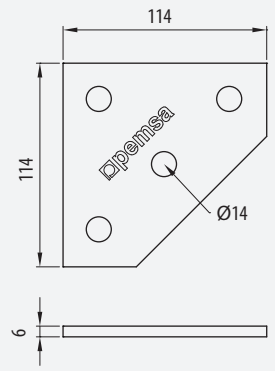


• 41x21 • 41x41

	Ref	kg/u	
GC	67030212	0,291	1

ETIM: EC000482

209 M10



Unión Escuadra Reforzada Nº 11

Reinforced Angle Bracket Nº 11

Equerre 90°renforcée Nº 11

União de Esquadria Reforçada Nº 11

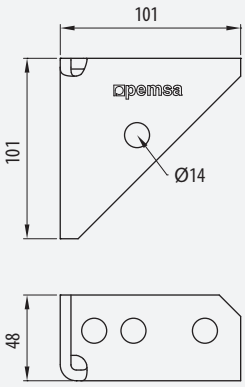


• 41x21 • 41x41 • 41x82

	Ref	kg/u	
GC	67030213	0,291	1

ETIM: EC000482

209 M11



Unión U 41x41 Nº 12

Clamp 41x41 Nº 12

Union Oméga 41x41 Nº 12

União U 41x41 Nº 12

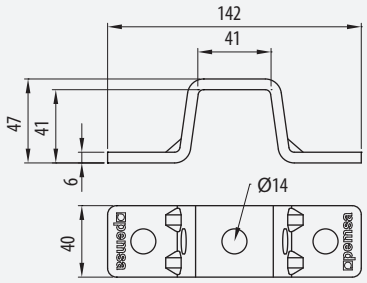


• 41x21 • 41x41 • 41x82

	Ref	kg/u	
GC	67030207	0,336	1

ETIM: EC000482

209 M12



Unión U 41x82 Nº 13

Clamp 41x82 Nº 13

Union Oméga 41x82 Nº 13

União U 41x82 Nº13

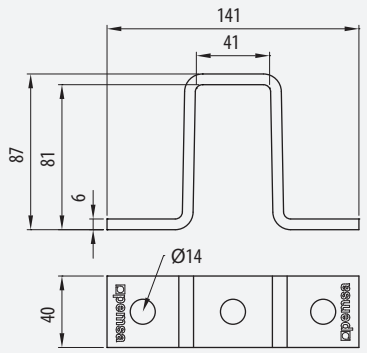


41x82

	Ref	kg/u	
GC	67030208	0,151	1

ETIM: EC000482

209 M13



Unión U 41x21 Nº 14

Clamp 41x21 Nº 14

Union Oméga 41x21 Nº 14

União U 41x21 Nº14

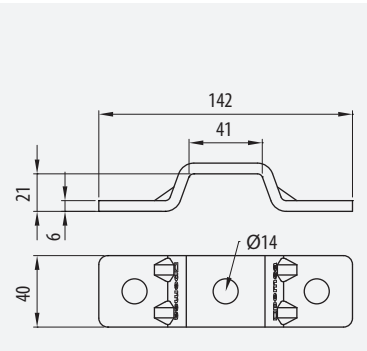


41x21

	Ref	kg/u	
GC	67030206	0,284	1

ETIM: EC000482

210 M14



Unión Escuadra Doble Nº 15

Double 90° Bracket Nº 15

Equerre 90° Double Nº 15

União de Esquadria Dupla Nº 15

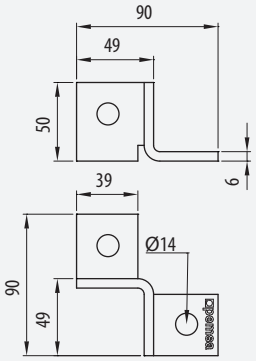


• 41x21 • 41x41

	Ref	kg/u	
GC	67030215	0,291	1

ETIM: EC000482

210 M15



Unión Escuadra Lateral 90° Nº 16

90° Tee Bracket Nº 16

Equerre 90° Triple Nº 16

União de Esquadria Lateral 90º Nº 16

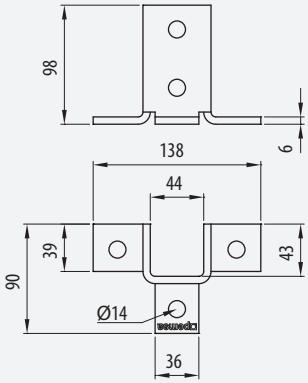


• 41x21 • 41x41

	Ref	kg/u	
GC	67030216	0,291	1

ETIM: EC000482

210 M16

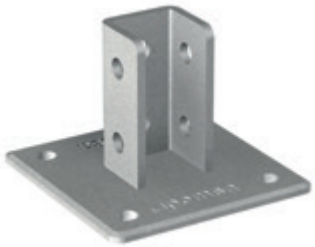


Placa Soporte Vertical

Channel Floor Boss 41x41

Pied Support Vertical 41x41

Suporte Vertical 41x41

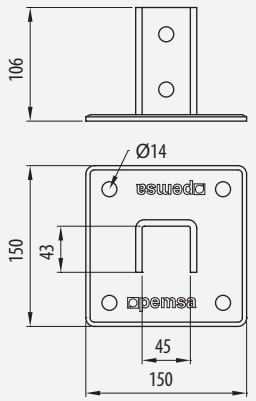


• 41x21 • 41x41

	Ref	kg/u	
GC	67030064	1,451	1

ETIM: EC000482

210 M17



Placa Soporte Vertical

Channel Floor Boss 41x82

Pied Support Vertical 41x82

Suporte Vertical 41x82

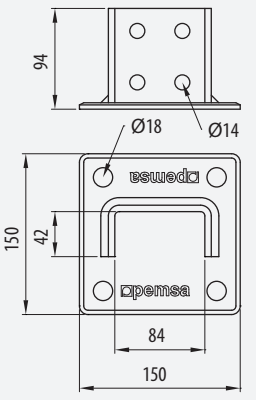


• 41x21 • 41x82

	Ref	kg/u	
GC	67030164	2,901	1

ETIM: EC000482

210 M18



Articulación
Adjustable Angle Bracket
Equerre à Angle variable
Articulação

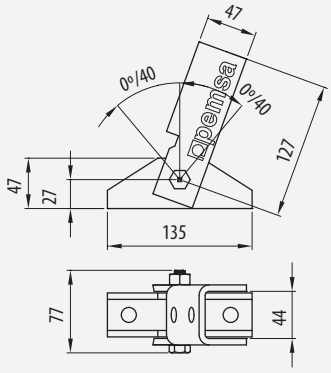


• 41x21 • 41x41

Ref	kg/u	u
GC 67030102	0,351	1

ETIM: EC000482

210 M19



Grapa Abarcón
Channel Beam Clamp
Agrafe poutre
Abraçadeira

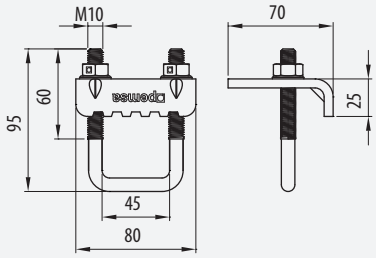


• 41x21 • 41x41

Ref	kg/u	u
GC 67030101	0,351	1

ETIM: EC000482

210 M20





SOLUTIONS

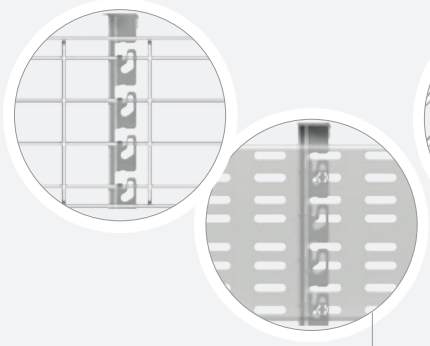
Túneles
Tunnels
Tunnels
Tuneis



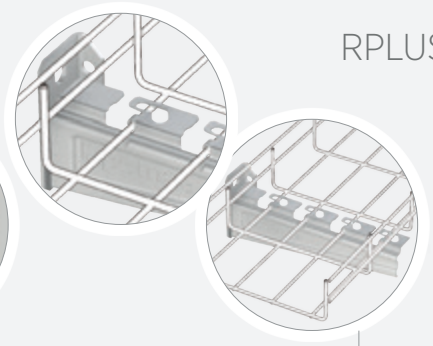
Soportes variables
Adjustable brackets
Supports variables
Suportes variaveis

IDEA

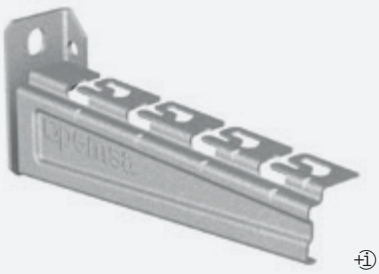
RPLUS Soportes Reforzados
Heavy Duty Cantilever
Support Renforcé
Suportes Reforçados



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



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

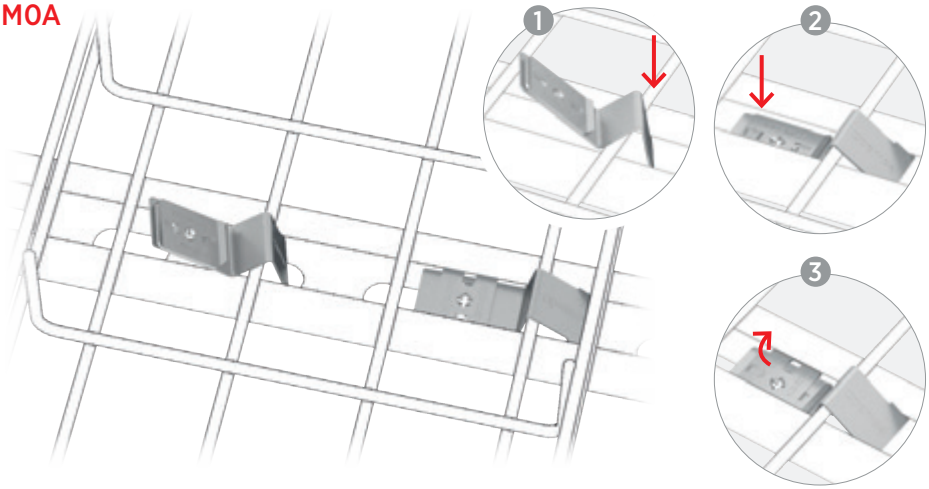


IEC 61537

E90 resistencia al fuego

176

M0A



100 - 300	1
400 - 600	2

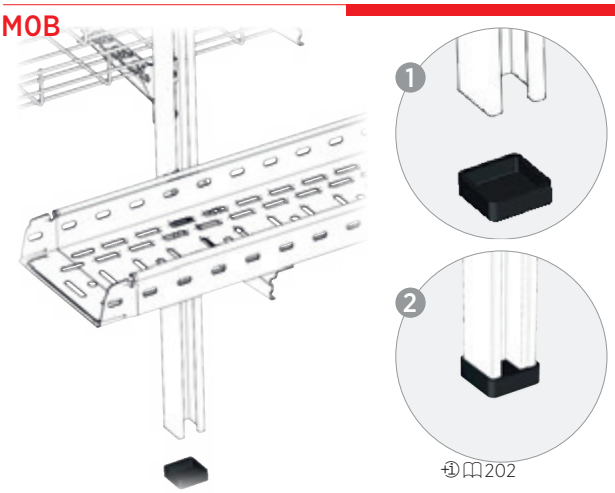
202

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

Compatible con cualquier modelo
Compatible with any brand
Compatible tous modèles

198

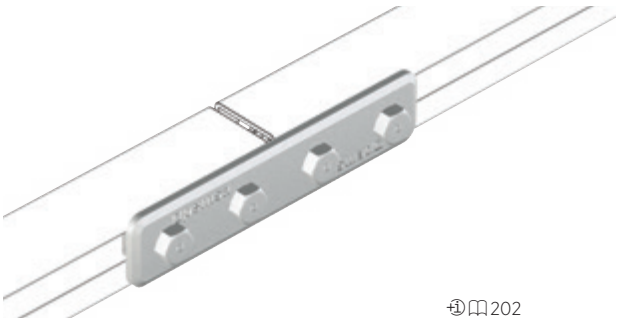
M0B



202

M01

M10x35	x4		175
	x4		200



202

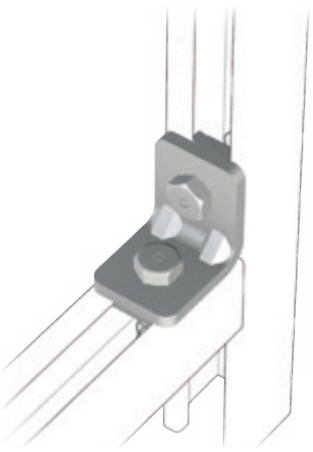
M02



M10x35	x2		175
	x2		200

202

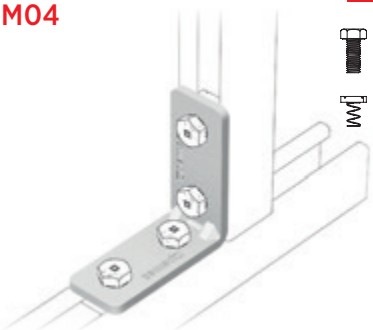
M03



M10x35	x2		175
	x2		200

203

M04



M10x35	x4		175
	x4		200

203

M05



M10x35	x2		175
	x2		200

203

M06

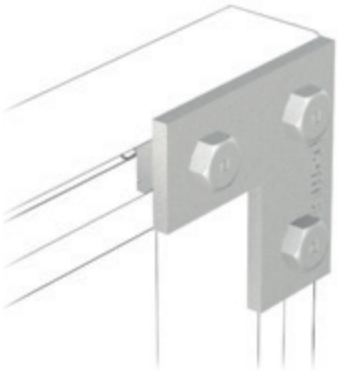
M10x35 x2 — 175
x2 — 200



203

M07

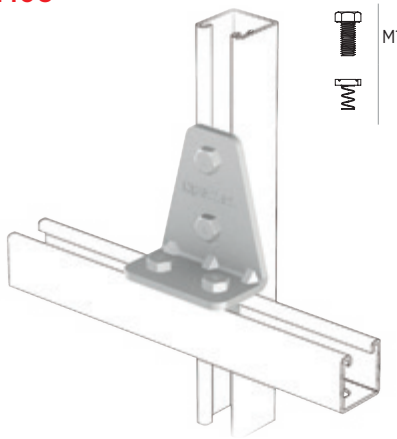
M10x35 x3 — 175
x3 — 200



204

M08

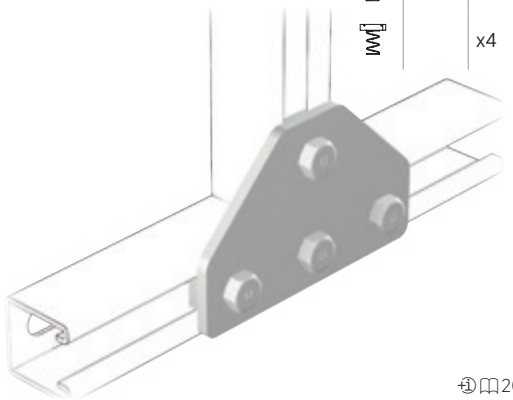
M10x35 x4 — 175
x4 — 200



204

M09

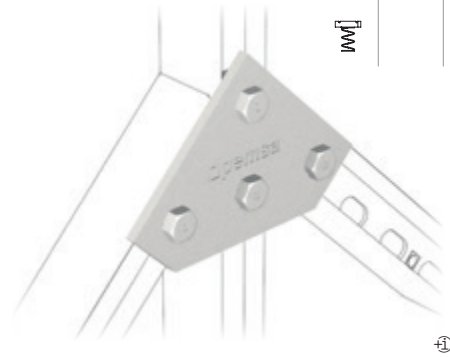
M10x35 x4 — 175
x4 — 200



204

M10

M10x35 x4 — 175
x4 — 200



204

M11

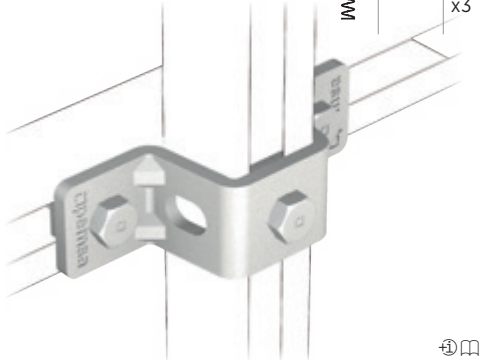
M10x35 x4 — 175
x4 — 200



205

M12

M10x35 x3 — 175
x3 — 200



173

M13

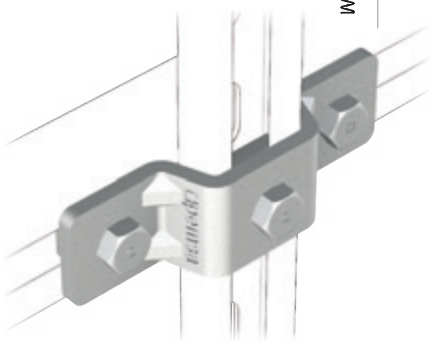
M10x35 x3 — 175
x3 — 200



205

M14

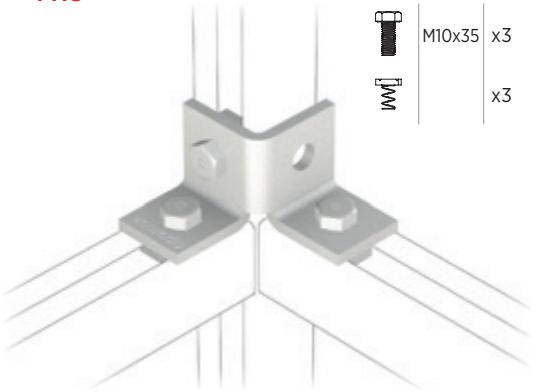
M10x35	x3	175
	x3	200



205

M15

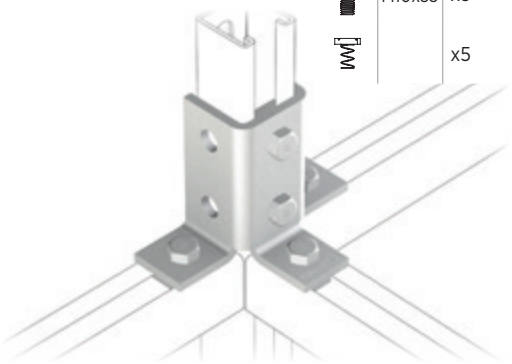
M10x35	x3	175
	x3	200



206

M16

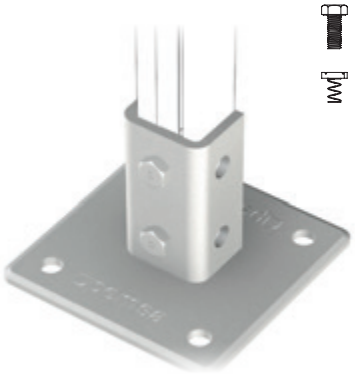
M10x35	x5	175
	x5	200



206

M17

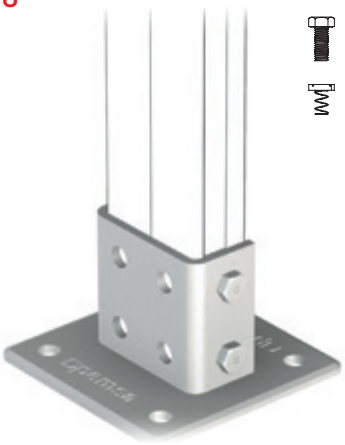
M10x35	x2	175
	x2	200



206

M18

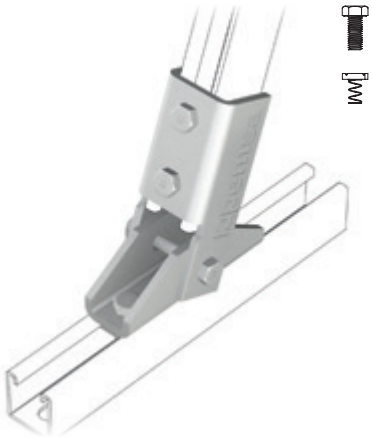
M10x35	x4	175
	x4	200



206

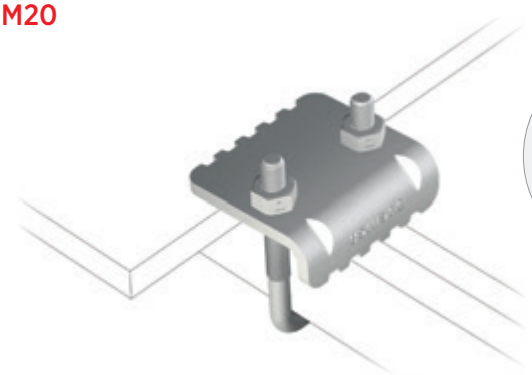
M19

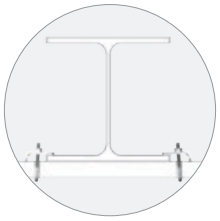
M10x35	x4	175
	x4	200

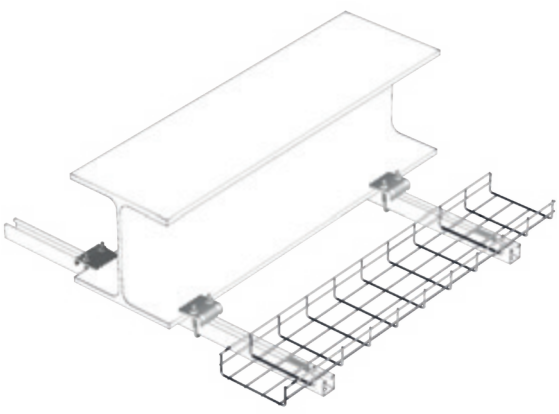


207

M20







207



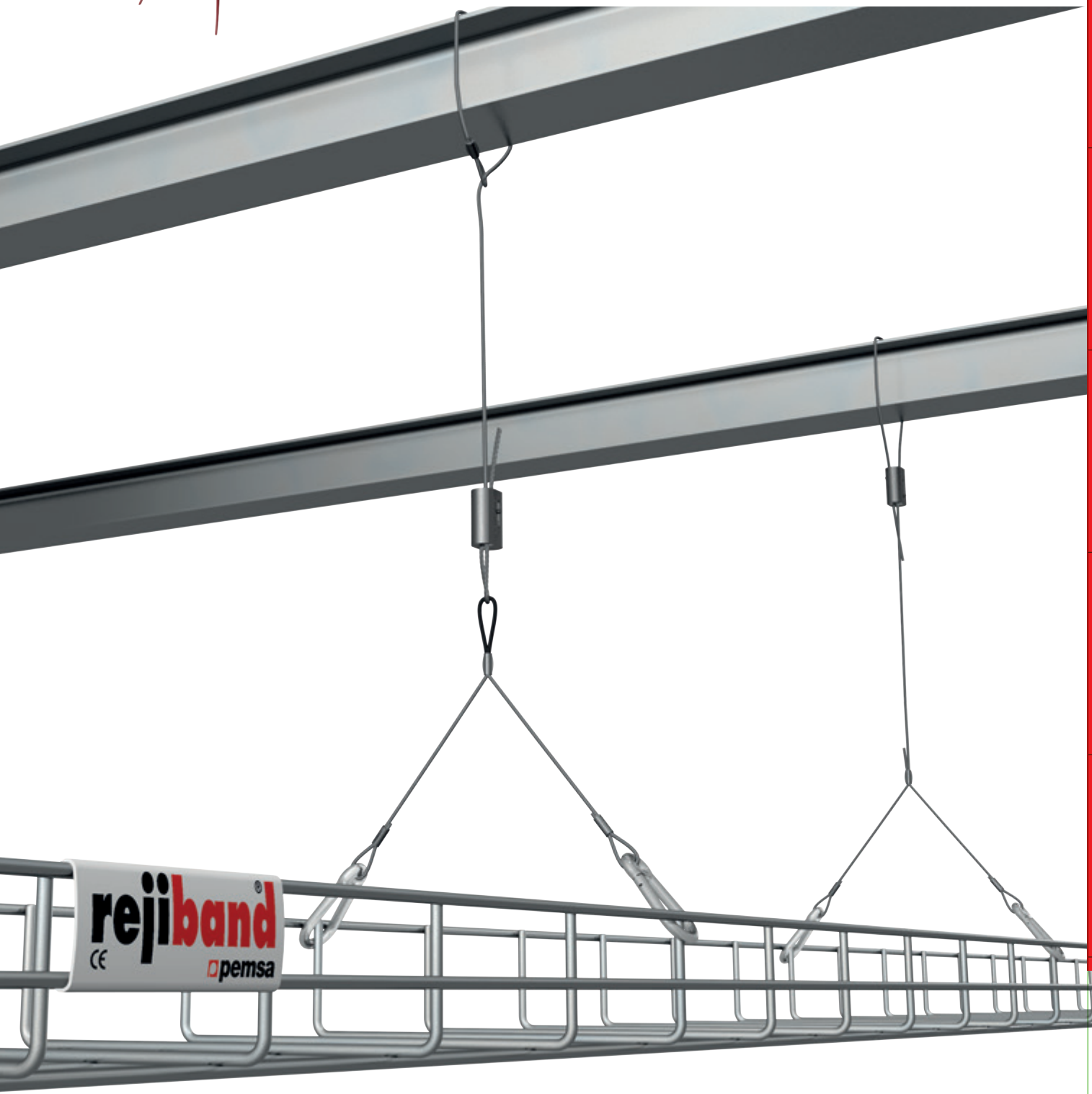
spiderband®

Sistema de Suspensión por Cable

Wire Rope Suspension System

Système de Suspension par Câble

Sistema de Suspensão por Cabo

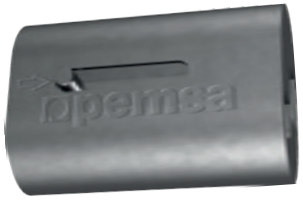


Block

Block

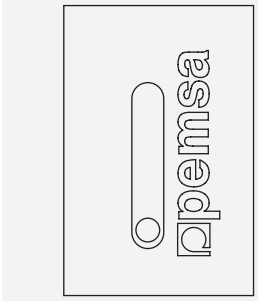
Verrou

Block



Ⓢ	CTA (kg)	Ref	kg/u	u
AL	10	62301100	0,009	10
	50	62301400	0,022	10
	120	62301800	0,051	10

ETIM: EC000482



Cable

Cable

Câble

Cabo



Ⓢ	L (mm)	CTA (kg)	Ref	kg/u	u
EZ	200	10	62302102	1,400	1
	100	50	62302401	1,800	1
	100	120	62302801	3,800	1

ETIM: EC001003

Lazo + Block

Loop + Block

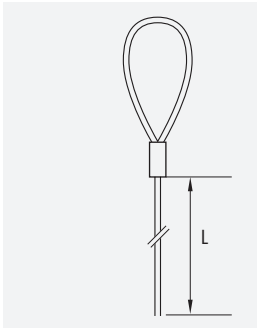
Boucle + Verrou

Laço + Block



Ⓢ	L (mm)	CTA (kg)	Ref	kg/u	u
EZ	1	10	62303101	0,018	10
	1	45	62303301	0,043	10
	1	90	62303601	0,093	10
	3	10	62303103	0,032	10
	3	45	62303303	0,079	10
	3	90	62303603	0,017	10
	5	10	62303105	0,046	10
	5	45	62303305	0,115	10
	5	90	62303605	0,245	10

ETIM: EC001003



Fijación + Block

Fixing + Block

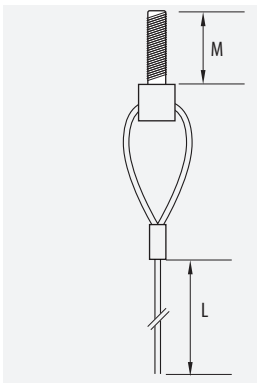
Fixation + Verrou

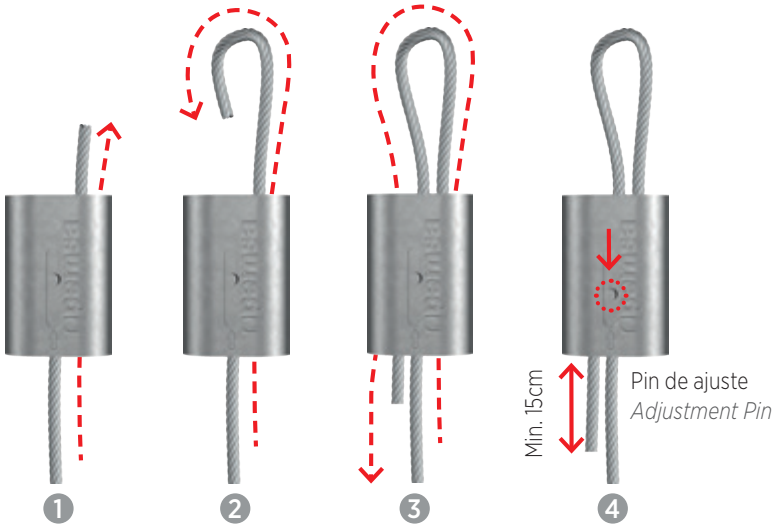
Fixação + Block



Ⓢ	L (mm)	M	CTA (kg)	Ref	kg/u	u
EZ	1	M6x20	10	62304101	0,040	10
	1	M8x20	45	62304301	0,067	10
	1	M8x20	90	62304601	0,116	10
	3	M6x20	10	62304103	0,058	10
	3	M8x20	45	62304303	0,103	10
	3	M8x20	90	62304603	0,193	10
	5	M6x20	10	62304105	0,068	10
	5	M8x20	45	62304305	0,139	10
	5	M8x20	90	62304605	0,269	5

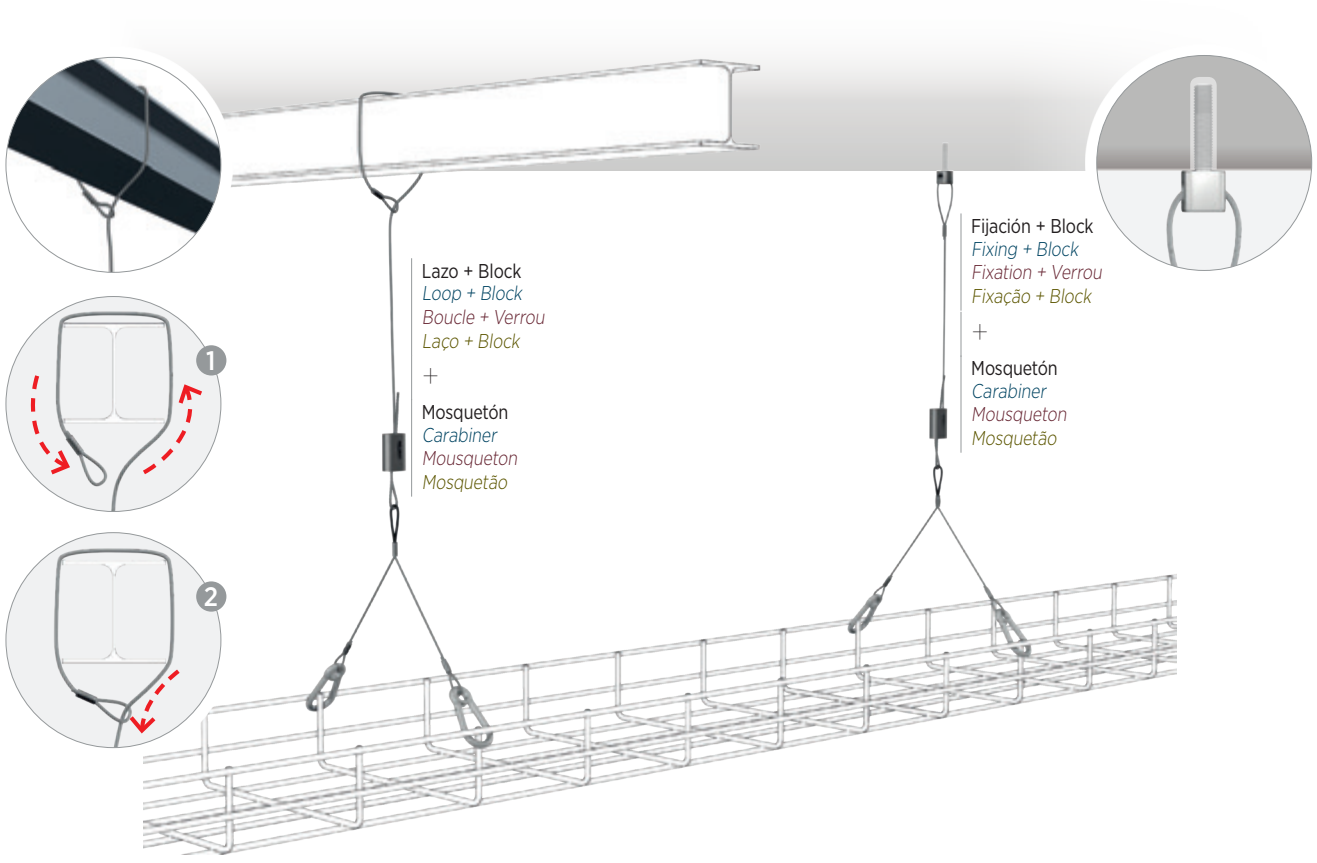
ETIM: EC001003







Block	CTA / SWL 5:1 SF	
62301100	0-10 kg	Los cables son todos conformes con: UNE-EN 12385 / UNE-EN 12385. *The above cables are all in accordance with: UNE-EN 12385 / UNE-EN 12385*
62301400	12-50 kg	
62301800	12-120 kg	



Mosquetón rejiband®

Carabiner **rejiband®**

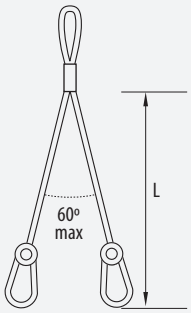
Mousqueton **rejiband®**

Mosquetão **rejiband®**



S	L(mm)	CTA (kg)	Ref	kg/u	u
EZ	300	50	62305430	0,048	10
	460	50	62305440	0,054	10

ETIM: EC001003



Kit Mosquetón rejiband®

Carabiner Kit **rejiband®**

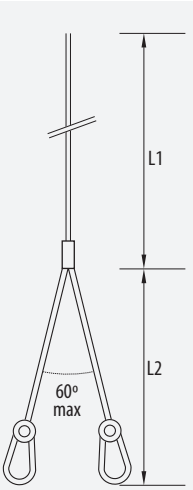
Kit Mousqueton **rejiband®**

Kit Mosquetão **rejiband®**



S	L1(m)	L2(mm)	CTA (kg)	Ref	kg/u	u
EZ	1	300	35	62307231	0,058	10
	1	300	90	62307631	0,119	10
	3	300	35	62307233	0,094	10
	3	300	90	62307633	0,195	10
	1	460	35	62307241	0,058	10
	1	460	90	62307641	0,119	10
	3	460	35	62307243	0,094	10
	3	460	90	62307643	0,195	10

ETIM: EC001003



Suspensión Bandeja Chapa

Cable Tray Suspension

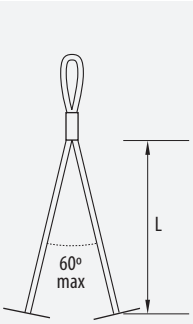
Suspension Dalle

Suspensão Calha de Chapa



S	L(mm)	CTA (kg)	Ref	kg/u	u
EZ	300	35	62306230	0,022	10
	460	35	62306240	0,028	10
	500	35	62306250	0,030	10

ETIM: EC001003



Kit Suspensión Bandeja Chapa

Cable Tray Suspension Kit

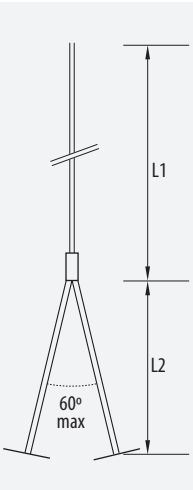
Kit Suspension Dalle

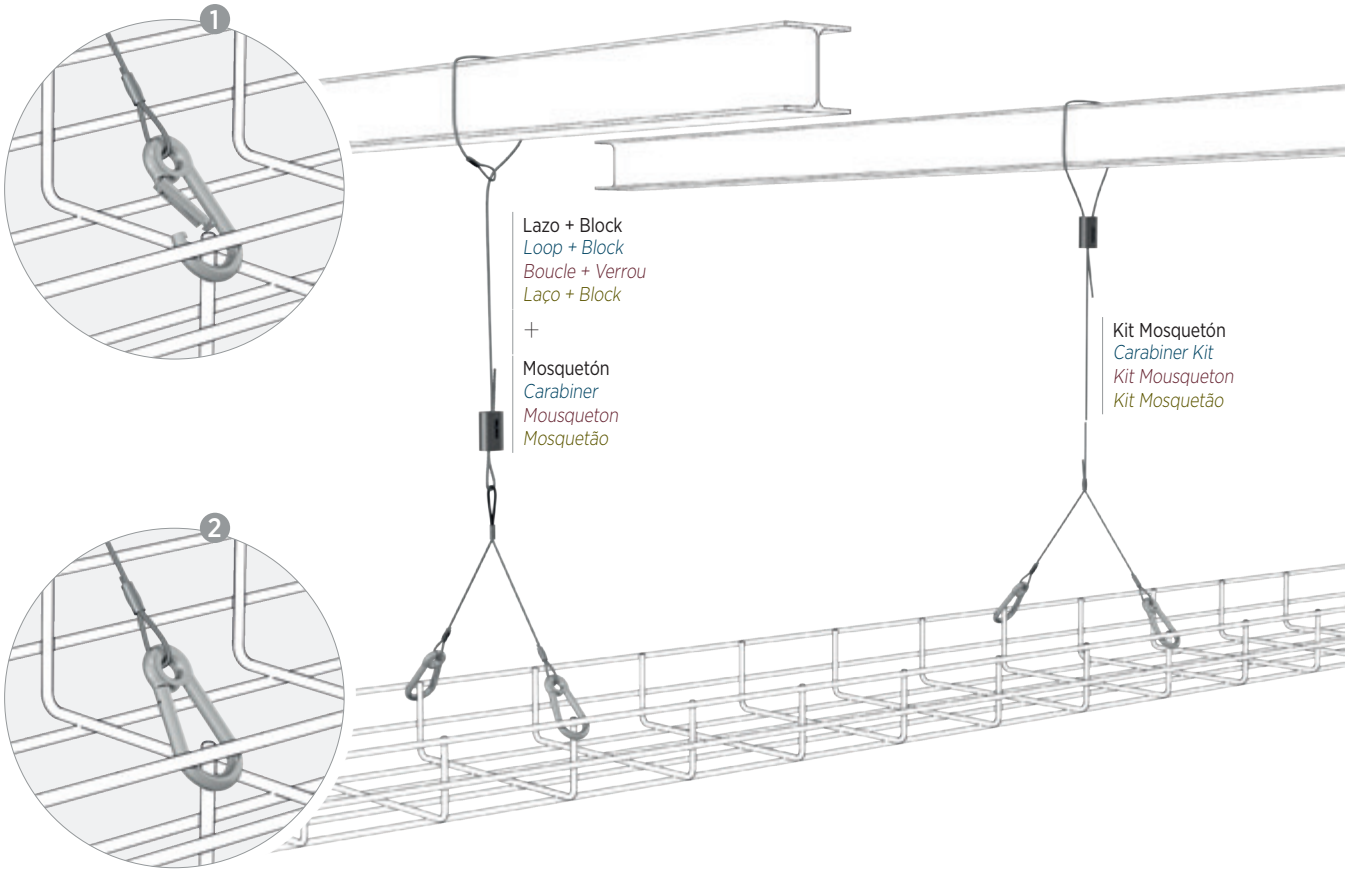
Kit Suspensão Calha de Chapa

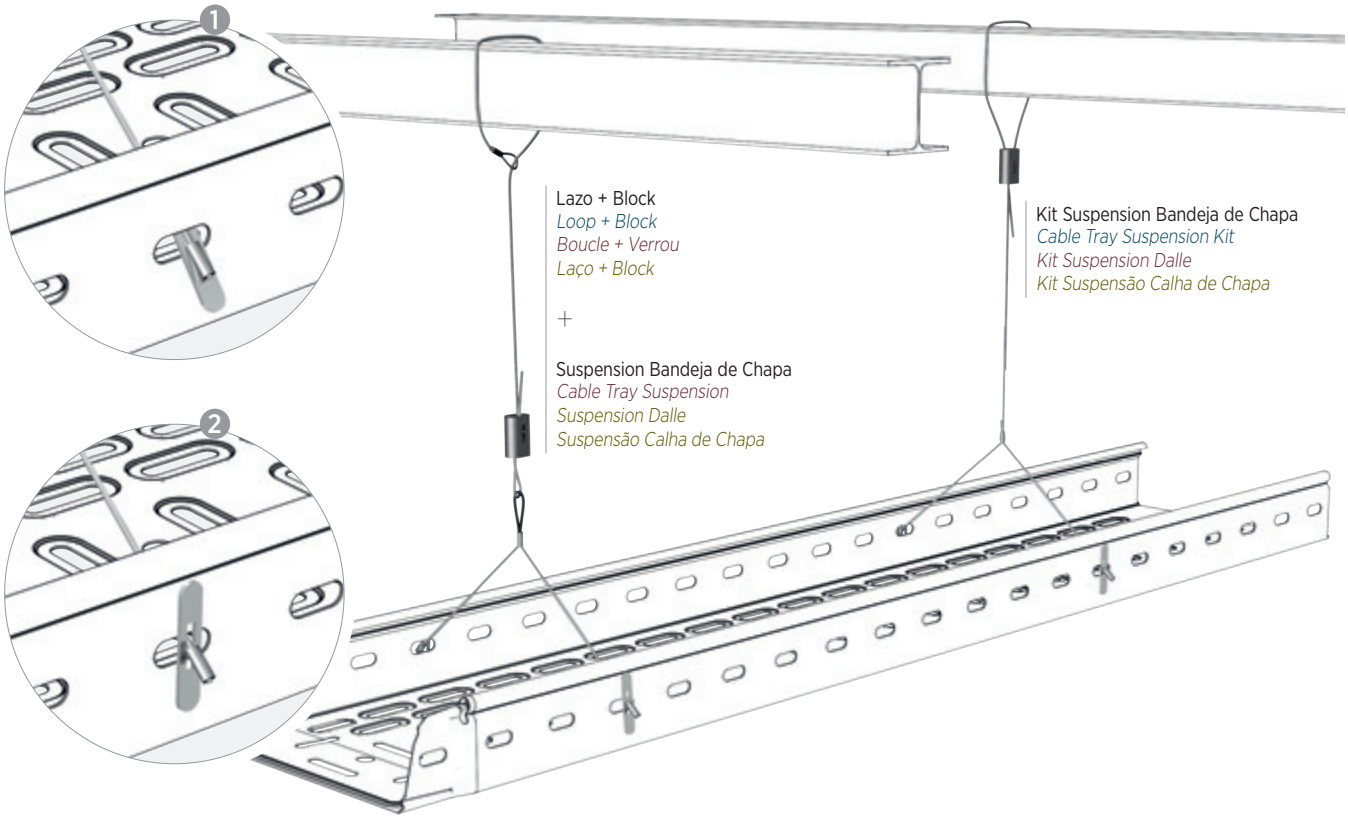


S	L1(m)	L2(mm)	CTA (kg)	Ref	kg/u	u
EZ	1	300	35	62308231	0,046	10
	1	300	90	62308631	0,097	10
	3	300	35	62308233	0,082	10
	3	300	90	62308633	0,173	10
	1	460	35	62308241	0,046	10
	1	460	90	62308641	0,097	10
	3	460	35	62308243	0,082	10
	3	460	90	62308643	0,173	10

ETIM: EC001003




1
2
Lazo + Block
Loop + Block
Boucle + Verrou
Laço + Block
+
Mosquetón
Carabiner
Mousqueton
Mosquetão
Kit Mosquetón
Carabiner Kit
Kit Mousqueton
Kit Mosquetão


1
2
Lazo + Block
Loop + Block
Boucle + Verrou
Laço + Block
+
Suspension Bandeja de Chapa
Cable Tray Suspension
Suspension Dalle
Suspensão Calha de Chapa
Kit Suspension Bandeja de Chapa
Cable Tray Suspension Kit
Kit Suspension Dalle
Kit Suspensão Calha de Chapa

Kit Block Horizontal

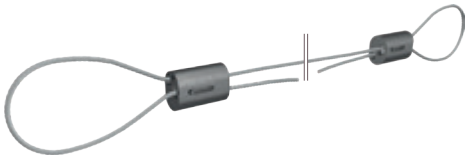
Horizontal Block Kit

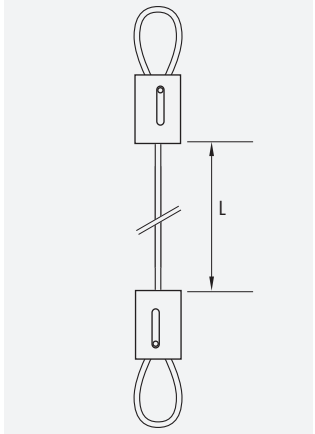
Kit Verrou Horizontal

Kit Block Horizontal

S	L (mm)	CTA (kg)	Ref	kg/u	u
EZ	5	75	62309501	0,624	5
	10	75	62309502	0,964	2
	15	75	62309503	1,304	2

ETIM: EC001003





Block Vertical

Vertical Block

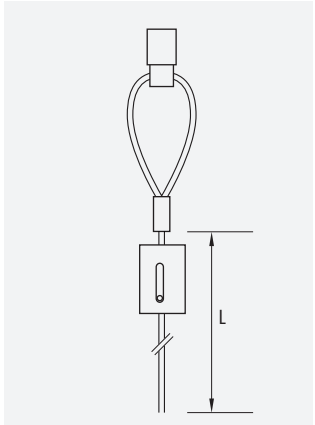
Verrou Vertical

Block Vertical

S	L (mm)	CTA (kg)	Ref	kg/u	u
EZ	1	35	62310201	0,074	10

ETIM: EC001003

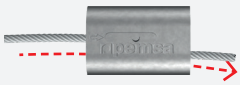




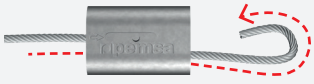
Block50 - Block100 - Block120

El elemento autoblocante para el sistema de soportación por cable Spiderband / *Self locking Cable Joiner Block*

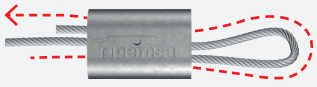
Instrucciones de Montaje y Recomendaciones / *Assembly Instructions and Warnings*



1 Inserte el cable en el Block en el sentido de la flecha marcada (el Pin se desplazará)
Pull adjustment Pin back and pass wire through Block



2 Haga un lazo e inserte de nuevo el cable en el Block en el sentido opuesto (el Pin del otro lado se desplazará)
Loop wire through anchor



3 Tire del extremo y deje una longitud mínima de 15 cm de cable para posibles ajustes
Pull adjustment Pin back and pass wire back through Block



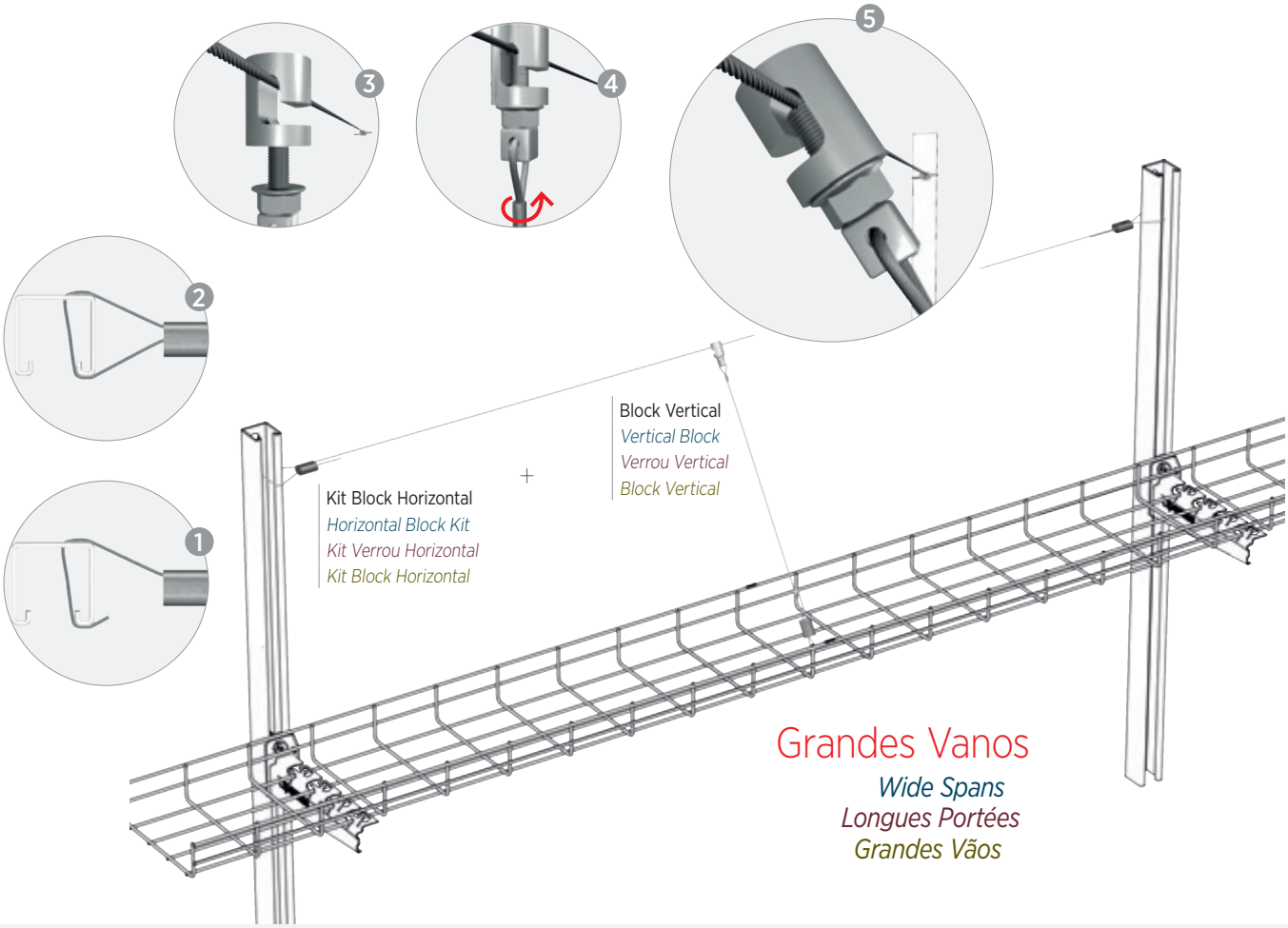
4 Compruebe siempre el ajuste del Block con el cable antes de aplicar la carga
(Hágalo tirando del cable en la dirección opuesta a la flecha y presionando el Pin en la misma dirección si es necesario)
Always confirm engagement of Block on wire before applying load
(This is best accomplished by pushing the adjustment Pin in the opposite direction of the arrows on the Block and then pulling the cable also in the opposite direction of the arrows on the Block)



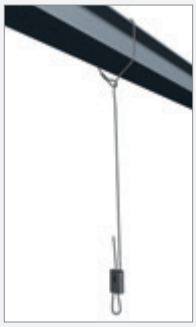
Para ajustar la longitud del cable desenganche primero la carga y tire después ligeramente del cable en el sentido de la flecha para desbloquearlo (puede actuar sobre el Pin si es necesario). Repita finalmente el paso 4 antes de aplicar la carga
To adjust, take the load off and pull the tail slightly to disengage teeth, then release using adjustment Pin

El producto se servirá con las características técnicas descritas por PEMSA y con las indicaciones, recomendaciones e instrucciones que se suministran con el producto para su utilización. PEMSA no acepta ni asume ninguna responsabilidad por el inadecuado o mal uso en la utilización y/o montaje de este producto. De igual modo PEMSA no tendrá ni asumirá ninguna responsabilidad, expresa o implícita, ni será en ningún caso responsable por daños directos o indirectos, específicos o consecuentes derivados de una utilización inadecuada, indebida o no prevista en las indicaciones e instrucciones suministradas, así como tampoco en los casos de una pérdida de utilidad del producto.

The products are provided on an "as is" basis; there shall be no express or implied warranty, including without limitation, warranty of merchantability or fitness for a particular purpose. Supplier shall not under any circumstances, be liable for indirect, special or consequential damages or lost profits.

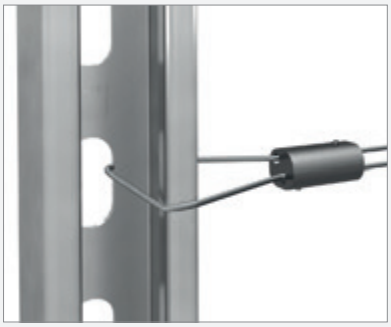












Recomendaciones / *Recommendations*

- No usar para cargas fuera del rango definido para el producto
- No exceder la Carga de trabajo Admisible del producto
- No usar sobre un cable de acero con recubrimiento
- No aplicar pintura o cualquier otro recubrimiento
- No aplicar lubricantes
- No usar para soportar cargas dinámicas o en movimiento
- Mantener el producto limpio y libre de suciedad
- Eliminar cualquier extremo dañado del cable antes de introducir el cable en el Block
- No usar en atmósferas con presencia de Cloro
- Uso recomendado en ambientes secos y de interior

- *Do not use for loads outside the stated range of the product*
- *Do not exceed the safe working load of the product*
- *Do not use on coated wire rope*
- *Do not apply paint or other coating*
- *Do not apply lubricant*
- *Do not use for lifting or dynamic loads*
- *Keep the product clean and free from dirt*
- *Remove damaged cable end prior to inserting into Block*
- *Do not use in chlorinated atmospheres*
- *Recommended for use in dry, indoor applications*

No superar las cargas máximas de trabajo establecidas / *Do not exceed the safe working load stated*

Tornillería / *Fixings* / *Visserie* / *Parafusaria*

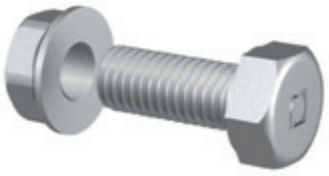
Gama de elementos de conexión para Sistemas de Bandejas

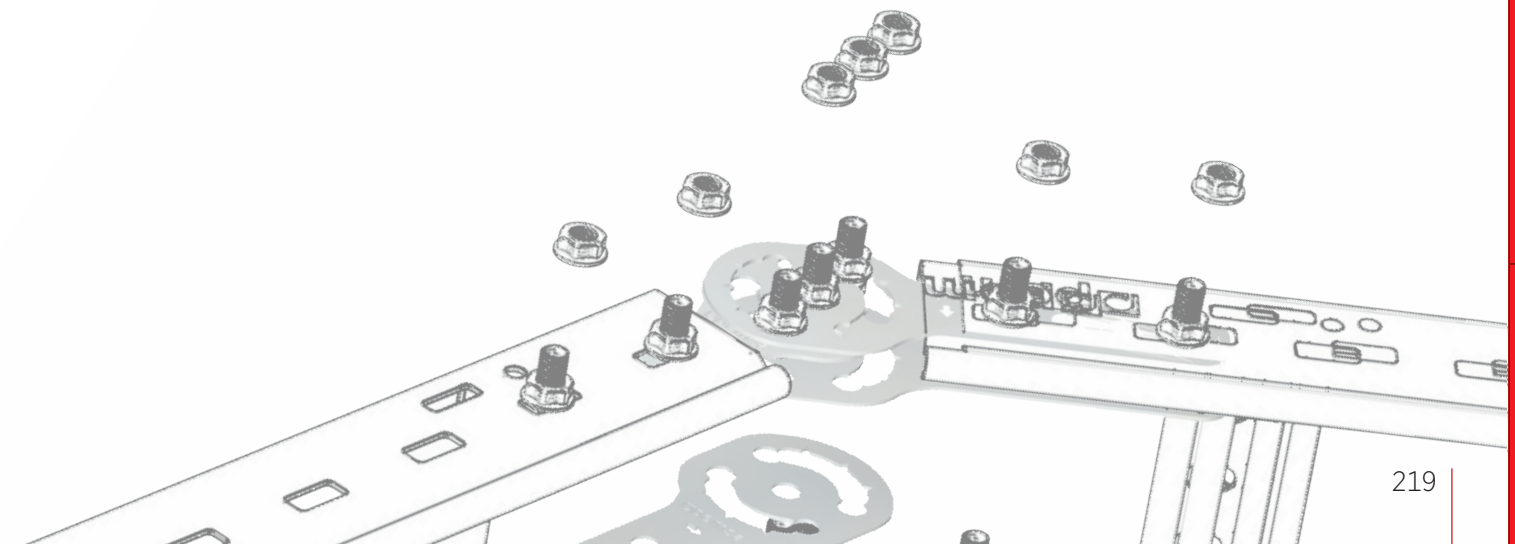
Range of fixings for Cable Tray Systems

Gamme Produits de connexion pour Système de Chemins de Câbles

Gama de elementos de fixação para Sistemas de Calhas







Kit Unión **pemsaband®**

pemsaband® *Joint Kit*

Kit Éclisse **pemsaband®**

Kit Éclisse **pemsaband®**

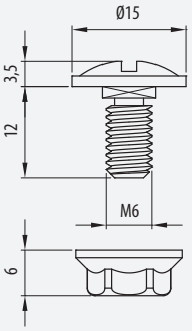




35-60-85-100 • 60-600

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

ETIM: EC002935



Tornillo C/DIN603

Shoulder Screw M6X12

Boulon Poêlier

Parafuso C/DIN603

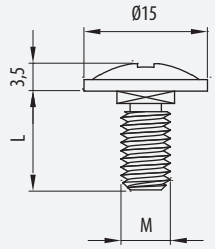




35-60-85-100 • 60-600

	M	Ref	kg/u	
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

ETIM: EC000887



Tuerca Arandela

Serrated Hexagon Flange Nut

Ecrou à Embase Crantée

Porca Recartilhada

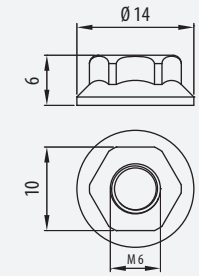




35-60-85-100 • 60-600

	M	Ref	kg/u	
EZ	M6	64010059	0,003	50
BC	M6	64020059	0,003	50
GC	M6	64030059	0,003	50
316L	M6	64060059	0,003	50
C8	M6	64080059	0,003	50

ETIM: EC000129

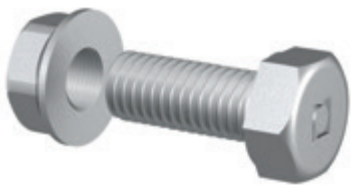


Kit Unión **megaband®**

megaband® *Joint Kit*

Kit Éclisse **megaband®**

Fixação **megaband®**





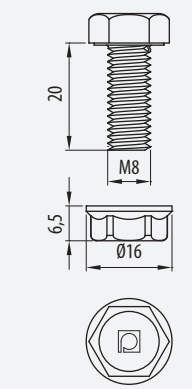
60-85-100-120 • 100-1000

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

60-85-100-120 • 100-1000

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

ETIM: EC002935



Tornillo C/Exagonal

Hexagonal Set Screw

Vis Héxagonale

Parafuso Sextavado

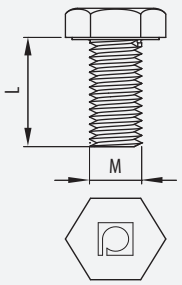




60-85-100-120 • 100-1000

	M	Ref	kg/u	
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
	M8x65	67030092	0,040	100
CU		82003297	0,005	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

ETIM: EC002380



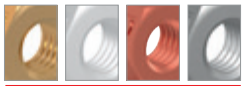
Tuerca Exagonal

Hexagonal Nut

Ecrou Hexagonal

Porca Sextavada





60-85-100-120 • 100-1000

	M	Ref	kg/u	
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
CU		82003297	0,005	100
316L	M10	67060014	0,008	100
	M8	67060062	0,005	100

ETIM: EC000129



Tornillo C/Allen

Allen Screw

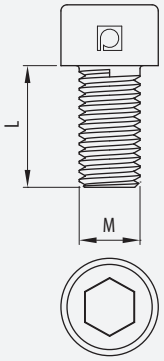
Vis Allen

Parafuso Sextavado Interior



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

ETIM: EC002356



Tornillo P/Conica

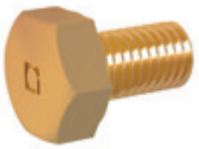
Hexagonal Cone Point Screw

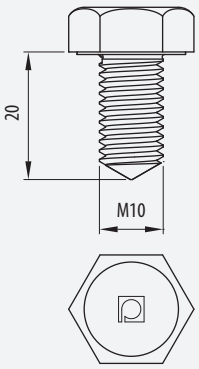
Vis Conique

Parafuso Sextava C/Conica

S	M	Ref	kg/u	u
BC	M10x20	67020098	0,023	10

ETIM: EC002335





Arandela Plana

Washer

Rondelle Plate

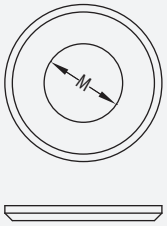
Anilha Plana

S	M	Ref	kg/u	u
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
CU		82003298	0,002	100
316L	M10	67060064	0,002	100
	M8	67060063	0,002	100

ETIM: EC000098







Arandela Estrella

Serrated Washer

Rondelle Éventail

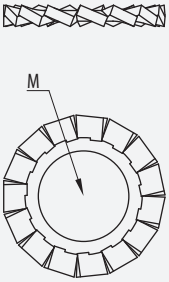
Anilha Recartilhada

S	M	Ref	kg/u	u
PASSV	M8	67020084	0,001	100
	M10	67020086	0,001	100
	M10	67060086	0,001	100
316	M10	67080086	0,001	100

ETIM: EC000098







pemsa

02

Sistemas de Tubos, Racores y Prensaestopas

Conduit, Connectors and Cable Gland Systems

Systèmes de Conduits, Raccords et Presse-Etoupes

Sistemas de Tubos, Racores e Bucins



pemsa

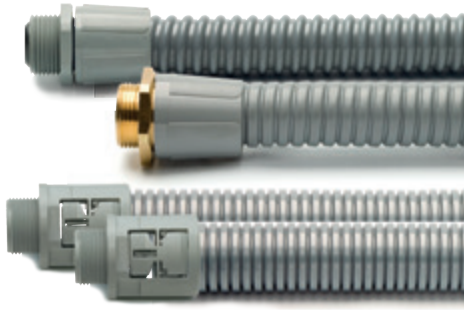
pemsa

Sistema de Tubos Pemsa.
Guía de selección

Pemsa Conduits System. Selection guide

Systèmes de Conduits Pemsa.
Guide de sélection

Sistemas de Tubos Pemsa. Guia de Seleção



	Pemsa Plastic 7035 System					Pemsa Metal Rigid			
Denominación / *Designation* / *Désignation* / *Designação*	RLH	RPVC	TM-PVC 7035	CLH	TFA 7035	RL / RLGC	RR / RRGC	RAL	RINOX
Tubo / *Conduit* / *Conduit* / *Tubo*									
Características / *Features* / *Caractéristiques* / *Características*									
S	LH	PVC	PG	LH	PVC	EZ	GC	EZ	GC	Aluminio/ Aluminium	304
M			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	DN50
	−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
UV	Alta / *High* / *Haute* / *Alta*		Media *Medium* *Moyenne* *Média*	Alta *High* *Haute* *Alta*	Media *Medium* *Moyenne* *Média*	Muy Alta / *Very High* / *Très haute* / *Muito alta*			
Flex	Rígido / *Rigid* / *Rigide* / *Rígido*			Media / *Medium* *Moyenne* / *Média*		Rígido / *Rigid* / *Rigide* / *Rígido*			
HF	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
IP	IP54	IP54	IP54	IP54	IP40 / IP65	IP54		IP54		IP54	IP54
IEC 61386	4432	4432	4421	2332	2421	5557		5557		4456	4456
Homologaciones / *Approvals* / *Homologations* / *Homologações*									
IEC 61386	CE RoHS BYCERO IEC 61386	CE RoHS BYCERO IEC 61386	CE RoHS BYCERO IEC 61386	CE RoHS BYCERO IEC 61386	CE RoHS BYCERO IEC 61386	CE RoHS BYCERO AENOR IEC 61386		CE RoHS BYCERO AENOR IEC 61386		CE RoHS BYCERO IEC 61386	CE RoHS BYCERO IEC 61386
Aplicaciones / *Applications* / *Applications* / *Aplicações*									
Tertiary	●	●	●	●	●	●		●		●	●
Tunnels	●	●	●	●	●	●		●		●	●
Data Center	●	●	●			●		●		●	●
Photovoltaic/ Energy	●	●		●	●						
Food Industry	●	●									●
Petrochemical Industry	●	●				●		●		●	●
Railway app.			●	●	●						
	230	233	235	235	235	240, 244		240, 244		246	248



Sistema de Tubos Pemsa.
Guía de selección

Pemsa Conduits System. Selection guide

Systèmes de Conduits Pemsa. Guide de sélection

Sistemas de Tubos Pemsa. Guia de Seleção

Pemsa Flexible Metal & Plastic

Pemsaflex /Polyamide System

TFA	TM	TM-PVC	ECOFLEX	LG-PA	ST-PA	RB-PA	RB-PU	MACRO FLEX	Denominación / *Designation* / *Désignation* / *Designação*
									Tubo / *Conduit* / *Conduit* / *Tubo*

Características / *Features* / *Caractéristiques* / *Características*

PVC	PG	PG	PG	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	17	52	DN/SW min.
48	48	48	48	48	48	70	70	90	DN /SW max.
-5°C	-45°C	-5°C	-5°C	-40°C	-40°C	-50°C	-5°C	-40°C	
+60°C	+150°C	+60°C	+60°C	+105°C	+105°C	+105°C	+90°C	+105°C	
Media *Medium* *Moyenne* *Média*	Muy Alta *Very High* *Très haute* *Muito alta*	Media *Medium* *Moyenne* *Média*	Media *Medium* *Moyenne* *Média*	Alta *High* *Haute* *Alta*	Muy Alta *Very High* *Très haute* *Muito alta*	Muy Alta *Very High* *Très haute* *Muito alta*	Muy Alta *Very High* *Très haute* *Muito alta*	Muy Alta *Very High* *Très haute* *Muito alta*	
Alta *High* *Haute* *Alta*	Alta *High* *Haute* *Alta*	Alta *High* *Haute* *Alta*	Alta *High* *Haute* *Alta*	Alta *High* *Haute* *Alta*	Alta *High* *Haute* *Alta*	Muy Alta *Very High* *Très haute* *Muito alta*	Muy Alta *Very High* *Très haute* *Muito alta*	Media *Medium* *Moyenne* *Média*	Flex
	OK			OK	OK	OK	OK	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	
2421	4455	4421	3421	2443	2443	2422	1532	2443	

Homologaciones / *Approvals* / *Homologations* / *Homologações*

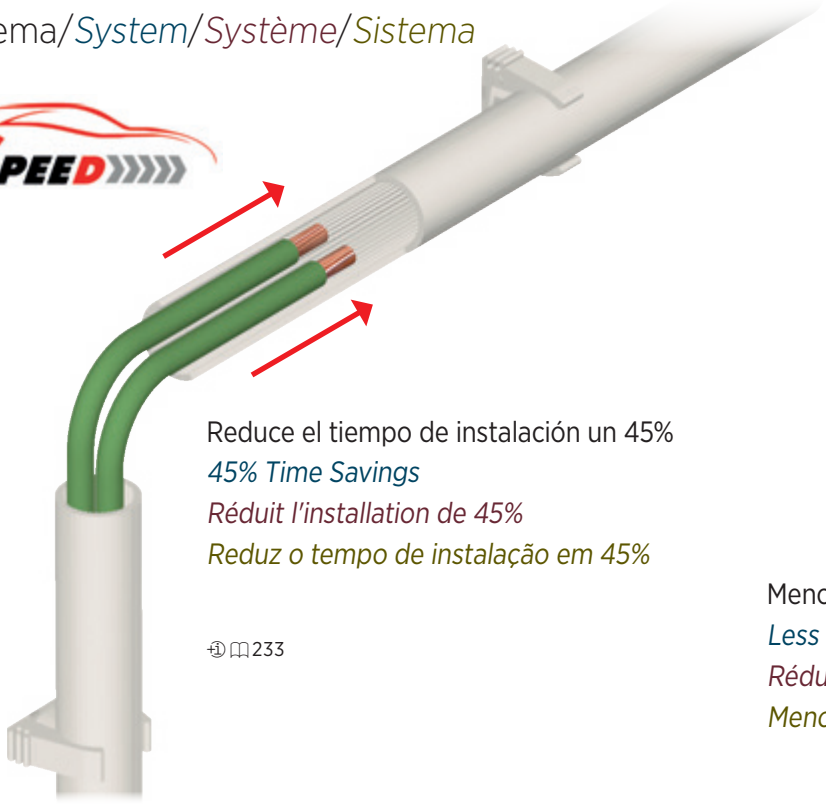
CE RoHS BYCERO IEC 61386	CE RoHS BYCERO IEC 61386	CE RoHS BYCERO IEC 61386	CE RoHS BYCERO IEC 61386	CE RoHS BYCERO IEC 61386	CE RoHS BYCERO IEC 61386	CE RoHS cULus DB IEC 61386	CE RoHS cULus DB IEC 61386	CE RoHS cULus SIQ NF DB IEC 61386	IEC 61386

Aplicaciones / *Applications* / *Applications* / *Aplicações*

●	●	●	●	●	●			●	Tertiary
●	●	●	●	●	●				Tunnels
		●	●	●	●	●	●	●	Data Center
●				●	●	●	●	●	Photovoltaic/ Energy
									Food Industry
		●	●	●	●			●	Petrochemical Industry
●	●	●	●	●	●	●	●	●	Railway app.
250	250	251	251	258	258	259	259	259	

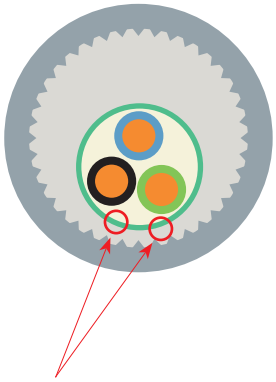
Novedades *News Nouveautés Novidades*

RPVC Sistema/*System*/*Système*/*Sistema*



Reduce el tiempo de instalación un 45%
45% Time Savings
Réduit l'installation de 45%
Reduz o tempo de instalação em 45%

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Menor Rozamiento
Less Friction
Réduction du Frottement
Menor Fricção

Amplia Gama de Clips de Fijación
Wide Range of Fixing Clips
Large Gamme de Clips de Maintien
Ampla Gama de Abraçadeiras



237
237
237

Kit Racor Mixto RLH IP65
RLH IP65 combined Coupler Kit
Kit Raccord ensemble RLH IP65
Kit Racor misto RLH IP65



Novedades *News Nouveautés Novidades*

RLH



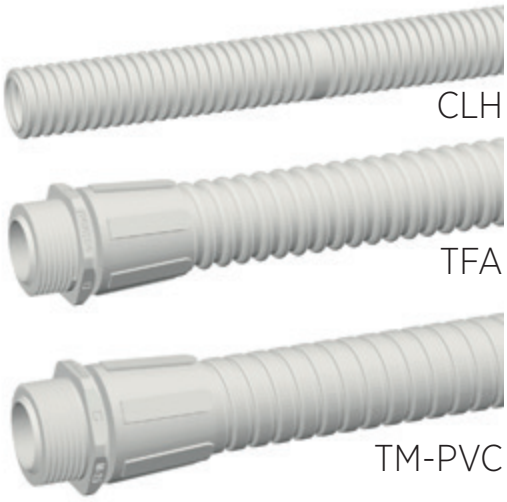
RPVC



IEC 61386

230-233

Gama Completa
Complete Range
Gamme Complète
Gama Completa



CLH

TFA

TM-PVC

RAL 7035

Gris Claro
Light Grey
Gris Clair
Cinza Claro



IRIS



RGp



Kit Racor Mixto RLH IP65



Kit Manguito Unión RLH IP65

Novedades *News Nouveautés Novidades*

Racor RGM doble



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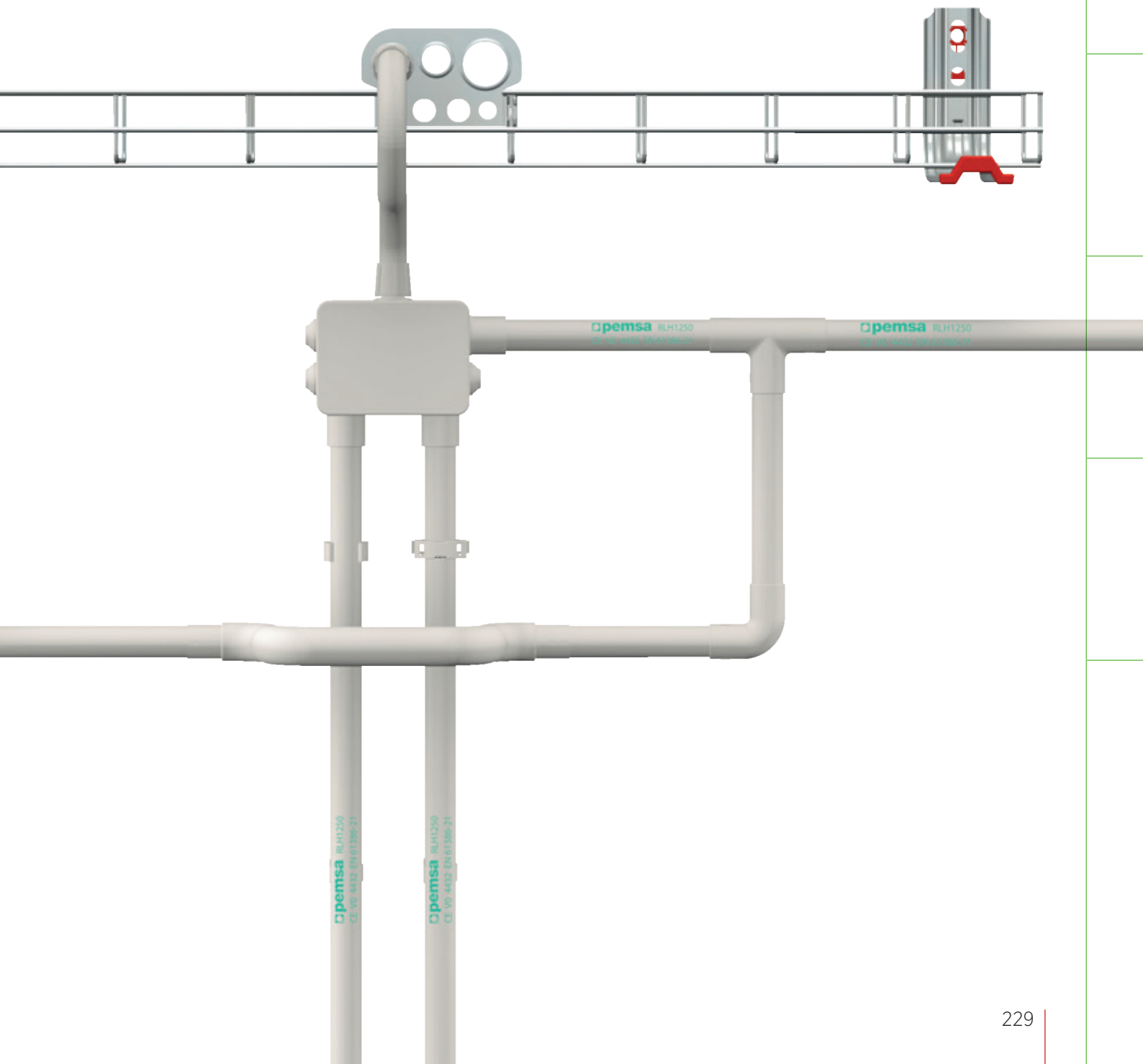
Plastic 7035

Tubos rígidos y flexibles plásticos color RAL 7035

Rigid and flexible conduits RAL 7035 colour

Conduits rigides et flexibles plastiques coleur RAL 7035

Tubo rígidos e flexiveis plásticos cor RAL 7035



Tubo RLH1250 Libre de Halógenos

RLH1250 Halogen Free Conduit

Conduit RLH sans Halogène IRL 4432

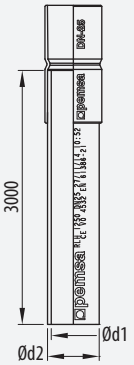
Tubo RLH1250 Livre de Halogéneos



DN	Ød1	Ød2	RAL 7035	kg/m	m
DN16	12,8	16	13005116	0,091	57
DN20	16,6	20	13005120	0,124	57
DN25	21,6	25	13005125	0,166	57
DN32	28,0	32	13005132	0,240	30
DN40	35,2	40	13005140	0,358	30
DN50	45,2	50	13005150	0,470	15
DN63	58,0	63	13005163	0,598	15

M	IEC 61386				IP	
PC+ABS	4432	4 (1250N)	4 (6J)	3(-15º)/ 2 (+90º)	44	OK

ETIM: EC001174



Tubo RLH750 Libre de Halógenos

RLH750 Halogen Free Conduit

Conduit RLH sans Halogène IRL 3432

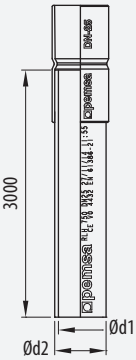
Tubo RLH750 Livre de Halogéneos



DN	Ød1	Ød2	RAL 7035	kg/m	m
DN16	13,3	16	13006116	0,079	57
DN20	17,2	20	13006120	0,102	57
DN25	22,2	25	13006125	0,133	57
DN32	29	32	13006132	0,177	30
DN40	36,6	40	13006140	0,252	30
DN50	46,4	50	13006150	0,351	15
DN63	58,6	63	13006163	0,446	15

M	IEC 61386				IP	
PC+ABS	3432	3 (750N)	4 (6J)	3(-15º)/ 2 (+90º)	44	OK

ETIM: EC001174



Manguito RLH

RLH Coupler

Manchon RLH

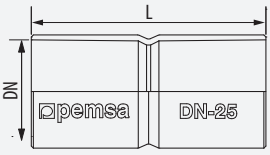
União RLH



DN	L		RAL 7035	kg/u	u
DN16	39		55008016	0,006	19
DN20	47		55008020	0,009	19
DN25	57		55008025	0,011	19
DN32	67		55008032	0,018	10
DN40	71		55008040	0,024	10
DN50	91		55008050	0,030	5
DN63	107		55008063	0,038	5

M			IP	
PC+ABS		-15/+90º	44	OK

ETIM:EC000937



Racor a caja RLH IP65

Coupler Boxes RLH IP65

Manchon d´accouplement Boîtier RLH IP65

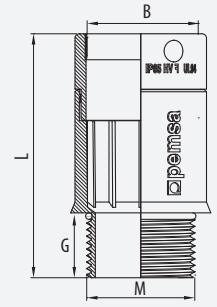
Racor Acoplamento Caixa RLH IP65



DN		L	G	RAL 7035	kg/u	u
DN16	M16	47,5	15	55044016	0,007	19
DN20	M20	51,5	15	55044020	0,009	19
DN25	M25	56,5	15	55044025	0,012	19
DN32	M32	61,5	15	55044032	0,015	10
DN40	M40	63,5	15	55044040	0,019	10
DN50	M50	73,5	15	55044050	0,026	5
DN63	M63	81,5	15	55044063	0,035	5

M			IP	
PC+ABS		-15/+90º	65	OK

ETIM:EC000937



Racor Caja RLH

Coupler Boxes RLH

Manchon d'accouplement Boîtier

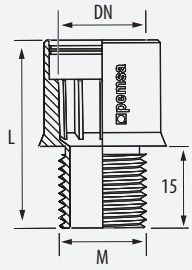
Racor Acoplamento Caixa RLH



DN			RAL 7035	kg/u	
DN16	M16		55042016	0,003	100
DN20	M20		55042020	0,005	100
DN25	M25		55042025	0,007	100
DN32	M32		55042032	0,009	50
DN40	M40		55042040	0,012	50
DN50	M50		55042050	0,017	50
DN63	M63		55042063	0,024	50

PC+ABS		-15/+90º	44	OK

ETIM:EC000937



Racor Rosca interior RLH

Coupler Boxes RLH

Manchon d'accouplement Boîtier

Racor Acoplamento Caixa RLH



DN		L	G	RAL 7035	kg/u	
DN16	M16	34,5	15	81000070	0,0052	20
DN20	M20	38,5	15	81000071	0,0068	20
DN25	M25	43,5	15	81000072	0,009	20
DN32	M32	48,5	15	81000073	0,0121	10
DN40	M40	50,5	15	81000074	0,0152	10
DN50	M50	60,5	15	81000075	0,0213	5
DN63	M63	68,5	15	81000076	0,0291	5

PC+ABS		-15/+90º	44	OK



Kit Manguito Unión RLH IP65

RLH coupler Kit IP65

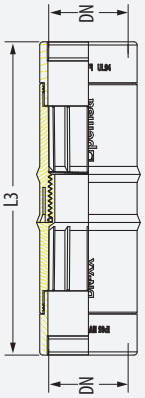
Kit manchon RLH IP65

Kit união RLH IP65



DN		L	G	RAL 7035	kg/u	
DN16		79.8		82003210	0.015	5
DN20		87.8		82003211	0.019	5
DN25		97.8		82003212	0.025	5
DN32		107.8		82003213	0.033	3
DN40		111.8		82003214	0.042	3
DN50		131.8		82003215	0.056	2
DN63		147.8		82003216	0.075	2

PC+ABS		-15/+90º	65	OK



Kit Racor Mixto RLH IP65

RLH IP65 combined Coupler Kit

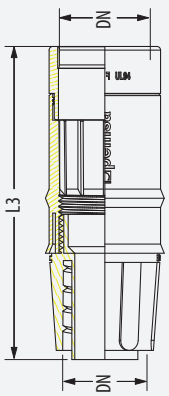
Kit Raccord ensemble RLH IP65

Kit Racor misto RLH IP65



DN		L	G	RAL 7035	kg/u	
DN16	DN 9	69.9		82003200	0.012	5
DN20	DN11	79.9		82003201	0.017	5
DN20	DN13	77.9		82003202	0.017	5
DN25	DN16	85.4		82003203	0.024	5
DN32	DN21	95.4		82003204	0.033	3
DN40	DN29	104.4		82003205	0.046	3
DN50	DN36	118.9		82003206	0.063	2
DN63	DN48	132.4		82003207	0.090	2

PC+ABS		-15/+90º	65	OK



pemsa

Curva 90° RLH

90° RLH Bend

Courbe 90° RLH

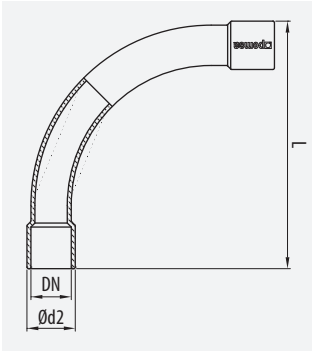
Curva 90° RLH



DN	d2	L	RAL 7035	kg/u	u
DN16	19	70	55016016	0,009	25
DN20	23	90	55016020	0,013	25
DN25	29	120	55016025	0,023	25
DN32	36	150	55016032	0,044	10

	M			IP	
	PC+ABS		-15/+90º	44	OK

ETIM:EC001493



Derivación T RLH

RLH Tee

T de dérivation RLH

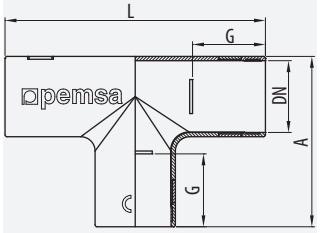
Derivação T RLH



DN	G	L	A	RAL 7035	kg/u	u
DN16	16,5	64	42	55082016	0,011	25
DN20	20,5	76	50	55082020	0,016	25
DN25	25,5	91	60	55082025	0,020	25
DN32	30,5	108	72	55082032	0,032	15

	M			IP	
	PC+ABS		-15/+90º	44	OK

ETIM:EC002922



Codo RLH 90°

RLH 90° Bend

Coude Equerre RLH 90°

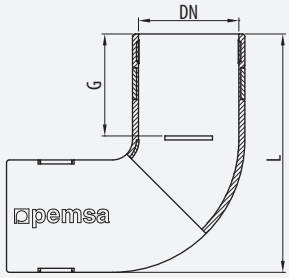
Cotovelo RLH 90°



DN	G	L	RAL 7035	kg/u	u
DN16	16,5	42	55072016	0,009	25
DN20	20,5	50	55072020	0,013	25
DN25	25,5	60	55072025	0,023	25
DN32	30,5	72	55072032	0,044	15

	M			IP	
	PC+ABS		-15/+90º	44	OK

ETIM:55072016



Curva flexible FRLH

Flexible Bend FRLH

Accessoire de liaison flexible FRLH

Curva flexivel FRLH



DN	d2	L	RAL 7035	kg/u	u
DN16	17	275	55090016	0,016	20
DN20	21,3	275	55090020	0,021	20
DN25	26,7	390	55090025	0,045	10
DN32	33,4	390	55090032	0,053	10

	M			IP	
	PP		-15/+90º	44	OK

ETIM:EC001493



Tubo RPVC1250 4432

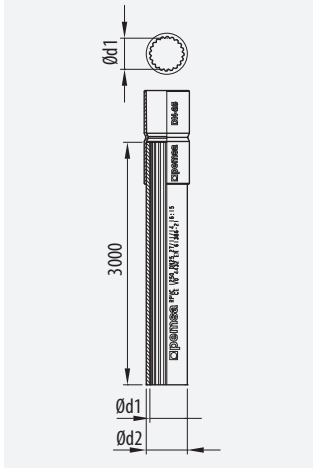
RPVC1250 Conduit 4432
Conduit RPVC1250 IRL 4432
Tubo RPVC1250 IRL 4432



DN	Ød1	Ød2	RAL 7035	kg/m	
DN16	12,4	16	13050116	0,136	57
DN20	16,0	20	13050120	0,187	57
DN25	20,9	25	13050125	0,226	57
DN32	27,6	32	13050132	0,315	30
DN40	35,0	40	13050140	0,411	30
DN50	44,8	50	13050150	0,670	15
DN63	56,8	63	13050163	0,861	15

		IEC 61386				
	PVC	4432	4 (1250N)	4 (6 J)	3 (-15)/ 2 (+90)	44	OK

ETIM:EC001174



Tubo RPVC750 3432

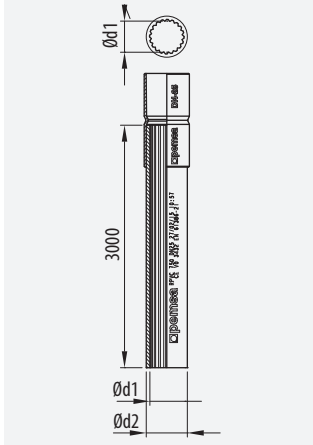
RPVC750 Conduit 3432
Conduit RPVC IRL 3432
Tubo RPVC750 IRL 3432



DN	Ød1	Ød2	RAL 7035	kg/m	
DN16	13,3	16	13060116	0,106	57
DN20	17,2	20	13060120	0,162	57
DN25	22,2	25	13060125	0,206	57
DN32	29	32	13060132	0,286	30
DN40	36,6	40	13060140	0,399	30
DN50	46,4	50	13060150	0,550	15
DN63	58,6	63	13060163	0,788	15

		IEC 61386				
	PVC	3332	3 (750N)	3 (2J)	3 (-15)/ 2 (+90)	44	OK

ETIM:EC001174



Manguito RPVC

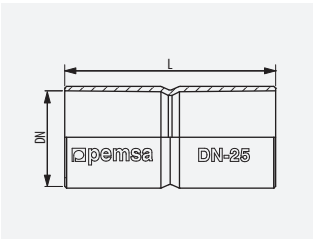
RPVC Coupler
Manchon RPVC
União RPVC



DN	L		RAL 7035	kg/u	
DN16	39		55009016	0,006	19
DN20	47		55009020	0,009	19
DN25	57		55009025	0,011	19
DN32	67		55009032	0,018	10
DN40	71		55009040	0,024	10
DN50	91		55009050	0,030	5
DN63	107		55009063	0,038	5

	PVC		-5/+60°	44	OK

ETIM:EC000937



Racor Caja RPVC

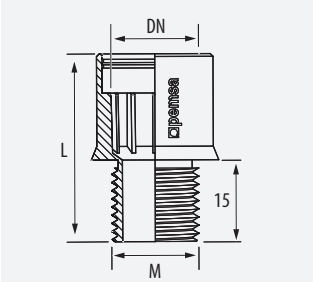
Coupler Boxes RLH
Manchon d'accouplement Boîtier
Racor Acoplamento Caixa RLH



DN		L	G	RAL 7035	kg/u	s
DN16	M16	34,5	15	55043016	0,004	19
DN20	M20	38,5	15	55043020	0,005	19
DN25	M25	43,5	15	55043025	0,007	19
DN32	M32	48,5	15	55043032	0,010	10
DN40	M40	50,5	15	55043040	0,013	10
DN50	M50	60,5	15	55043050	0,019	5
DN63	M63	68,5	15	55043063	0,027	5

	PVC		-15/+90°	44	OK

ETIM:EC000937



pemsa

Curva 90° RPVC

90° RPVC Bend

Coude 90° RPVC

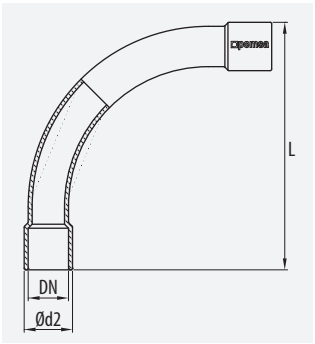
Curva 90° RPVC



DN	G	L	RAL 7035	kg/U	
DN16	19	70	55017016	0,009	25
DN20	23	90	55017020	0,013	25
DN25	29	120	55017025	0,023	25
DN32	36	150	55017032	0,044	10

PVC		-5/+60°	44	OK

ETIM:EC000937



Derivación T RPVC

RPVC Tee

T de dérivation RPVC

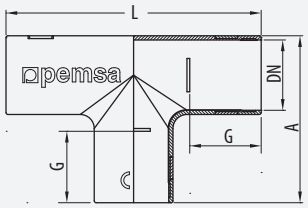
Derivação T RPVC



DN	G	L	A	RAL 7035	kg/U	
DN16	16,5	64	42	55083016	0,011	25
DN20	20,5	76	50	55083020	0,016	25
DN25	25,5	91	60	55083025	0,020	25
DN32	30,5	108	72	55083032	0,032	15

PVC		-5/+60°	44	OK

ETIM:EC000937



Codo RPVC 90°

RPVC 90° Elbow

Coude Equerre RPVC 90°

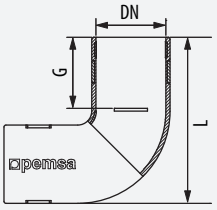
Cotovelo RPVC 90°



DN	G	L	RAL 7035	kg/U	
DN16	16,5	42	55073016	0,009	25
DN20	20,5	50	55073020	0,013	25
DN25	25,5	60	55073025	0,023	25
DN32	30,5	72	55073032	0,044	15

PVC		-5/+60°	44	OK

ETIM:EC000936

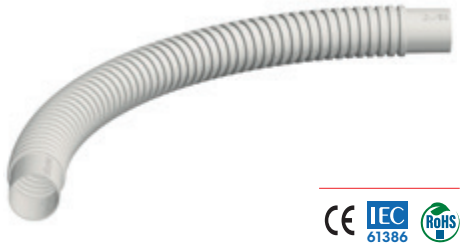


Curva flexible FRPVC

Flexible Bend FRPVC

Accessoire de liaison flexible FRPVC

Curva Flexivel FRPVC



DN	Ød2	L	RAL 7035	kg/U	
DN16	17	275	55091016	0,016	20
DN20	21,3	275	55091020	0,021	20
DN25	26,7	390	55091025	0,045	10
DN32	33,4	390	55091032	0,053	10

PVC		-5/+60°	44	OK

ETIM:EC001493



Tubo Pemsa CLH

CLH Conduit

Conduit Pemsa Cintrable CLH

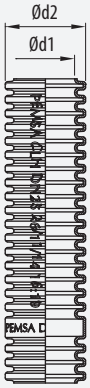
Tubo Pemsa CLH



DN	Ød1	Ød2	mm	RAL 7035	kg/m	
DN16	11,2	16	125	10040216	0,035	100
DN20	14,4	20	125	10040220	0,046	100
DN25	18,4	25	140	10040225	0,062	75
DN32	24,8	32	140	10040232	0,092	50
DN40	31,6	40	100	10040240	0,115	25
DN50	40,4	50	70	10040250	0,158	25

	IEC 61386				IP	
PP	2332	2 (320N)	3 (2J)	3 (-15º)/ 2 (+90º)	65	OK

ETIM:EC001174



Tubo Pemsa TFA 7035

TFA 7035 Conduit

Conduit Pemsa TFA 7035

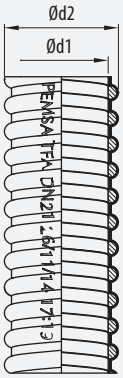
Tubo Pemsa TFA 7035



DN	Ød1	Ød2	mm	RAL 7035	kg/m	
DN 9	11,8	15,7	16	10011209	0,070	25
DN11	14,7	18,7	20	10011211	0,078	25
DN13	16,8	20,7	22	10011213	0,105	25
DN16	18,1	22,8	24	10011216	0,120	25
DN21	23,6	28,9	30	10011221	0,165	25
DN29	30,5	37,0	38	10011229	0,250	25
DN36	40,0	47,2	48	10011236	0,380	25
DN48	53,1	60,0	60	10011248	0,415	20

	IEC 61386				IP	
PVC	2421	2 (320N)	4 (6J)	2 (-5º)/ 1 (+60º)	65	OK

ETIM:EC001174



Tubo Pemsa TM-PVC 7035

TM-PVC 7035 Conduit

Conduit Pemsa TM-PVC 7035

Tubo Pemsa TM-PVC 7035



DN	Ød1	Ød2	mm	RAL 7035	kg/m	
DN 9	11,5	14,7	38	11060209	0,101	50
DN11	15,3	18,3	52	11060211	0,145	50
DN13	17,1	20,3	55	11060213	0,157	50
DN16	19,3	22,5	60	11060216	0,182	50
DN21	23,4	27,8	72	11060221	0,367	25
DN29	30,7	34,7	77	11060229	0,471	25
DN36	39,8	44,8	103	11060236	0,614	25
DN48	52,7	55,7	115	11060248	0,874	20

	IEC 61386				IP	
PG+PVC	4421	4 (120N)	4 (6J)	2 (-5º)/ 1 (+60º)	65	OK

ETIM:EC001177



pemsa

Racor P

P Connector

Raccord P

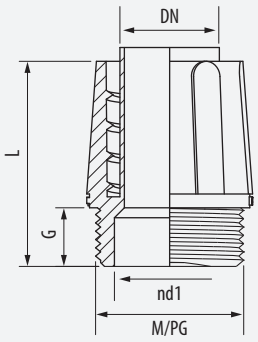
Racor P



DN			G	L	RAL 7001	RAL 7035	kg/u	
DN 7	PG 7	8,1	9,1	27,2	30010007		0,002	100
DN 9	PG 9	10,6	9,1	28,2	30010009		0,003	100
DN11	PG11	14,1	9,7	31,9	30010011		0,005	50
DN13	PG13	15,7	10,2	33,4	30010013		0,006	50
DN16	PG16	17,2	10,6	34,2	30010016		0,007	25
DN21	PG21	21,8	12	40,0	30010021		0,011	25
DN29	PG29	26,0	13	47,5	30010029		0,021	10
DN36	PG36	37,0	13,5	51,5	30010036		0,030	8
DN48	PG48	59,3	16	59,3	30010048		0,052	5
DN 9	M16	11,0	9,1	28,2	30011160		0,003	100
DN11	M20	15,0	9,7	31,9	30011200		0,005	50
DN13	M20	15,0	10,2	33,4	30011201		0,006	50
DN16	M25	20,0	10,6	34,2	30011250		0,007	25
DN21	M32	26,0	12	40,0	30011320		0,010	25
DN29	M40	28,3	13	54,0	30011400		0,024	10
DN36	M50	36,6	13,5	59,0	30011500		0,033	8
DN48	M63	50,0	15	66,0	30011630		0,050	5

PA6		-25/+105º	44	OK

ETIM: EC001178



Racor RGP Giratorio

RGP Swivel Connector

Raccord RGP Giratoire

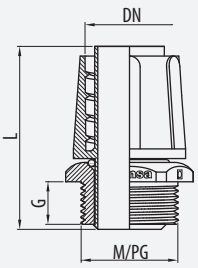
Racor RGP Giratório



DN		G	L		RAL 7035	kg/u	
DN 9	M16	10	39	21	35012160	0,006	100
DN11	M20	10	42	25	35012200	0,008	50
DN13	M20	10	44	25	35012201	0,009	50
DN16	M25	11	47	30	35012250	0,013	25
DN21	M32	11	52	36	35012320	0,018	25
DN29	M40	12,5	66	44	35012400	0,033	10
DN36	M50	12,5	67	54	35012500	0,044	8
DN48	M63	15	76	69	35012630	0,067	5

PA6		-25/+105º	65	OK

ETIM:EC001178



Manguito Acoplamiento CLH

CLH Coupler

Raccord Tournant CLH

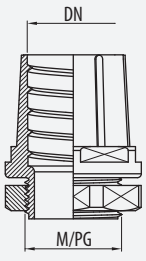
União Acoplamento CLH



DN			RAL 7035	kg/u	
DN16	M16		55007116	0,007	50
DN20	M20		55007120	0,009	50
DN25	M25		55007125	0,013	50

PP		-15/+90º	44	OK

ETIM:EC000917



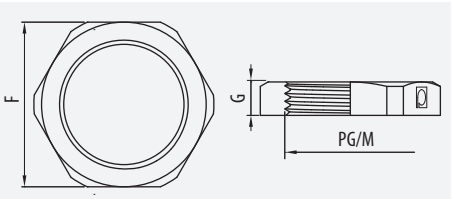
Tuerca TCP

TCP Nut

Ecrou TCP

Porca TCP





	G		RAL 7035	kg/u	
PG 7	5	19	40020007	0,001	100
PG 9	5	22	40020009	0,002	100
PG11	5	24	40020011	0,001	100
PG13	6	27	40020013	0,002	100
PG16	6	30	40020016	0,003	100
PG21	7	36	40020021	0,003	100
PG29	7	46	40020029	0,006	50
PG36	8	60	40020036	0,013	25
PG42	8	65	40020042	0,013	25
PG48	8	70	40020048	0,014	25

	G		RAL 7035	kg/u	
M12	5	18	40021120	0,001	100
M16	5	22	40021160	0,001	100
M20	6	26	40021200	0,002	100
M25	6	32	40021250	0,005	100
M32	7	41	40021320	0,005	50
M40	7	50	40021400	0,007	25
M50	8	60	40021500	0,010	25
M63	8	75	40021630	0,016	25

PA6		-25/+105º	OK

ETIM:EC000129

Clip Fijación

Fixing Clip

Clip de Maintien

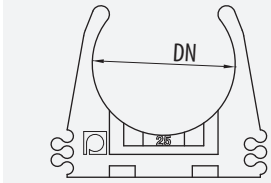
Clip Fixação



DN	L		RAL 7035	kg/u	
DN16	22		55023016	0,004	100
DN20	28		55023020	0,004	100
DN25	33		55023025	0,005	100
DN32	41		55023032	0,006	80
DN40	52		55023040	0,016	30
DN50	64		55023050	0,021	20

PA6		-15/+90º	OK

ETIM:EC002320



Clip Presión

Variable Clip

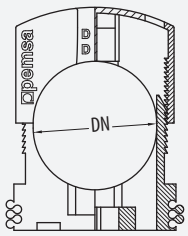
Clip Ajustable

Clip Variável



DN		RAL 7035	kg/u	
DN12/20		55024012	0,012	50
DN20/32		55024020	0,018	40
DN32/50		55024032	0,017	20

PA6		-15/+90º	OK



Brida Fijación

Cable Tie Fixing

Collier à Embase

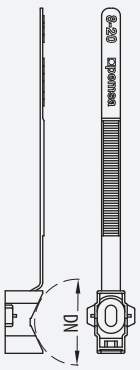
Abraçadeira Fixação



DN		RAL 7035	kg/u	
DN 8/32		55120032	0,004	100
DN16/63		55120063	0,007	50

PA6		-15/+90º	OK

ETIM:EC000046



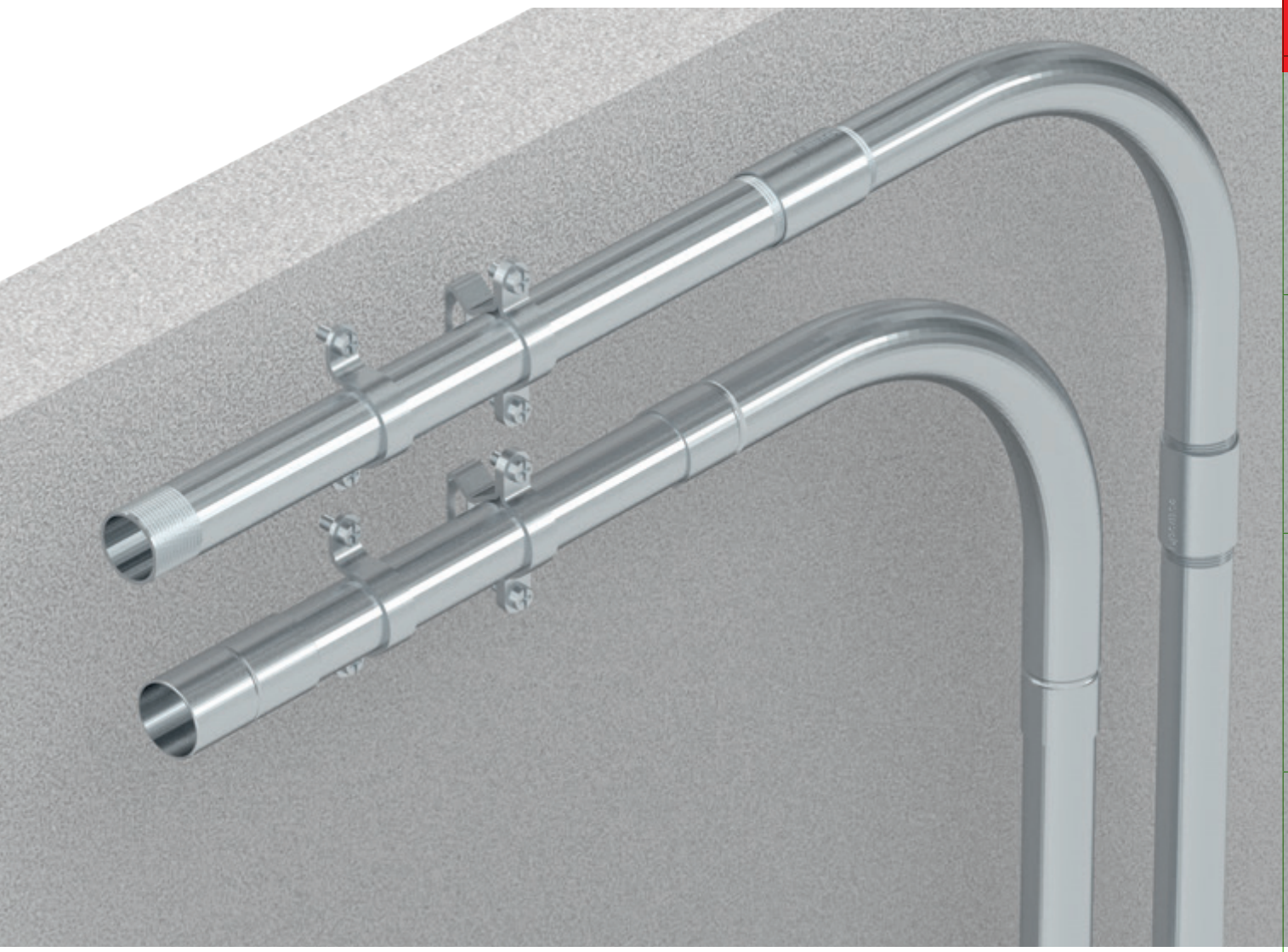
Metal

Tubos rígidos metálicos

Rigid metal conduits

Conduits rigides métalliques

Tubos rigidos metálicos



pemsa

Tubo Rígido RL

RL Rigid

Conduit Rigide RL MRL5557

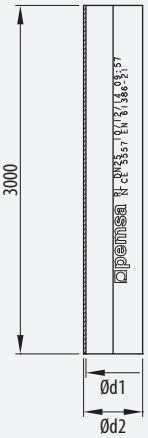
Tubo Rígido RL



DN	Ød1	Ød2	EZ	kg/m	
DN16	14,0	16	13040016	0,389	51
DN20	18,0	20	13040020	0,487	51
DN25	23,0	25	13040025	0,612	30
DN32	29,6	32	13040032	0,942	21
DN40	37,6	40	13040040	1,178	15
DN50	47,6	50	13040050	1,714	15
DN63	60,6	63	13040063	2,326	9

	M	IEC 61386				IP	
	AC	5557	5 (4000N)	5 (20J)	5 (-45º)/ 7 (+400º)	54	OK

ETIM:EC001173



Tubo Rígido RR

RR Rigid Conduit

Conduit Rigide RR MRL5557

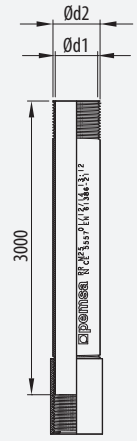
Tubo Rígido RR



DN		Ød1	Ød2	G	EZ	kg/m	
16	M16	13,6	16	15	13030016	0,462	51
20	M20	17,6	20	15	13030020	0,579	51
25	M25	22,6	25	20	13030025	0,73	30
32	M32	29,6	32	20	13030032	1,094	21
40	M40	37	40	20	13030040	1,374	15
50	M50	47	50	20	13030050	1,714	15
63	M63	60	63	20	13030063	2,629	9

	M	IEC 61386				IP	
	AC	5557	5 (4000N)	5 (20J)	5 (-45º)/ 7 (+400º)	54	OK

ETIM:EC001173



IDEA

La bandeja más segura

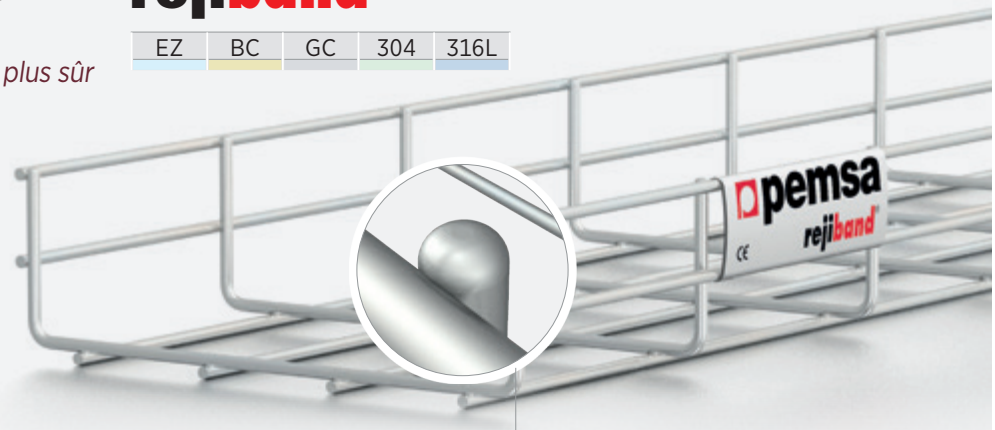
The Safest Cable Tray

Le Chemin de câble le plus sûr

A Calha mais segura

rejiband®

EZ	BC	GC	304	316L



+ Borde de seguridad

+ Safety edge

+ Bord de sécurité

+ Rebordo de segurança

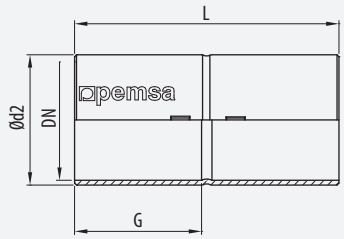
019

Manguito RL

RL Coupler

Manchon RL

União RL



DN	Ød2	G	L	EZ	kg/u	u
DN16	18,1	21	45	55006016	0,022	100
DN20	22,1	24	50	55006020	0,030	50
DN25	27,1	26	55	55006025	0,040	25
DN32	34,1	31	65	55006032	0,091	20
DN40	42,5	34	70	55006040	0,121	12
DN50	52,5	45	90	55006050	0,190	6
DN63	65,5	51	105	55006063	0,275	3

	M			IP	
	AC		-45/+400º	54	OK

ETIM:EC000937

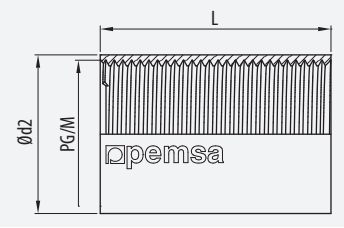


Manguito RR

RR Coupler

Manchon RR

União RR



DN		Ød2	L	EZ	kg/u	u
16	M16	18,5	30	55004016	0,020	50
20	M20	22,5	35	55004020	0,030	50
25	M25	27,5	40	55004025	0,040	50
32	M32	34,5	43	55004032	0,060	25
40	M40	42,5	43	55004040	0,070	20
50	M50	52,5	52	55004050	0,120	10
63	M63	65,5	63	55004063	0,150	6

	M			IP	
	AC		-45/+400º	54	OK

ETIM:EC000937

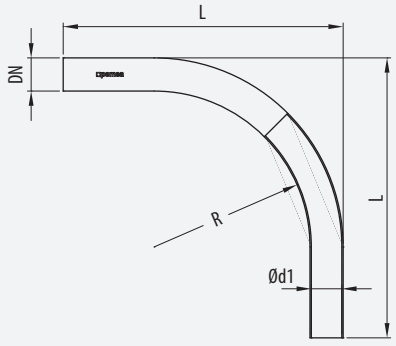


Curva 90° RL

90° RL Bend

Courbe 90º RL

Curva 90º RL



DN	Ød1	r mm	L	EZ	kg/u	u
DN16	14,0	97	173	55015016	0,111	10
DN20	18,0	93	173	55015020	0,140	10
DN25	23,0	117	198	55015025	0,202	10
DN32	29,6	129	232	55015032	0,366	10
DN40	37,6	145	287	55015040	0,578	5
DN50	47,6	160	351	55015050	0,879	5
DN63	60,6	296	541	55015063	1,722	3

	M	IEC 61386				IP	
	AC	5557	5 (4000N)	5 (20J)	5 (-45º)/ 7 (+400º)	54	OK

ETIM:EC000937

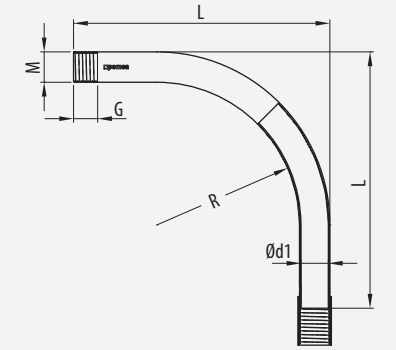


Curva 90° RR

90° RR Bend

Curva 90° RR

Curva 90° RR



DN		Ød1	r mm	G	L	EZ	kg/u	u
16	M16	13,6	97	15	173	55014016	0,152	10
20	M20	17,6	93	15	180	55014020	0,194	10
25	M25	22,6	117	20	198	55014025	0,28	10
32	M32	29,6	129	20	232	55014032	0,426	10
40	M40	37,0	145	20	287	55014040	0,787	5
50	M50	57,0	160	20	351	55014050	1,237	5
63	M63	60,0	296	20	541	55014063	2,273	3

	M	IEC 61386				IP	
	AC	5557	5 (4000N)	5 (20J)	5 (-45º)/ 7 (+400º)	54	OK

ETIM:EC000937



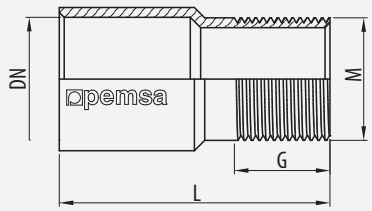
pemsa

Manguito Aclopamiento

Connection Coupler

Manchon d'accouplement

União Acoplamento



DN		G	L	EZ	kg/u	
DN16	M16	15	44	55007016	0,035	50
DN20	M20	15	48	55007020	0,048	50
DN25	M25	20	55	55007025	0,070	25
DN32	M32	20	63	55007032	0,104	25
DN40	M40	20	68	55007040	0,142	15
DN50	M50	20	83	55007050	0,216	6
DN63	M63	20	95	55007063	0,312	6

	AC		-45/+400º	44	OK

ETIM:EC000937

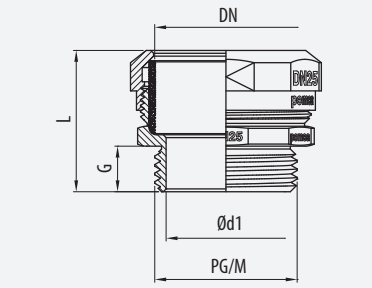


Racor RMT

RMT Coupler

Raccord RMT

Racor RMT



DN		Ød1	G	L		LN	kg/u	
DN16	M16	12,0	6	18	24	37031160	0,018	100
DN20	M20	14,0	7	20	28	37031201	0,025	100
DN25	M25	21,0	8	20	32	37031250	0,034	50
DN32	M32	27,0	8	24	40	37031320	0,059	25
DN40	M40	35,0	9,5	29	48	37031400	0,094	20
DN50	M50	41,2	11	37	60	37031500	0,170	10
DN63	M63	63,0	15	47	76	37031630	0,301	5

	LN		-15/+90º	54	OK

ETIM:EC000937

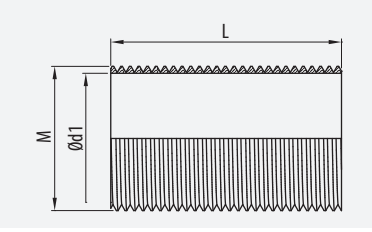


Manguito RE

RE Coupler

Manchon RE

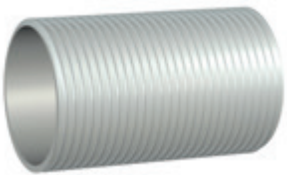
União RE



	Cd2	L	EZ	kg/u	
M16	13,6	30	55005016	0,008	50
M20	17,6	35	55005020	0,011	50
M25	22,6	40	55005025	0,020	50
M32	29,6	43	55005032	0,030	25
M40	37,0	43	55005040	0,035	20
M50	47,0	52	55005050	0,060	10
M63	60,0	63	55005063	0,121	6

	AC		-45/+400º	54	OK

ETIM: EC000937

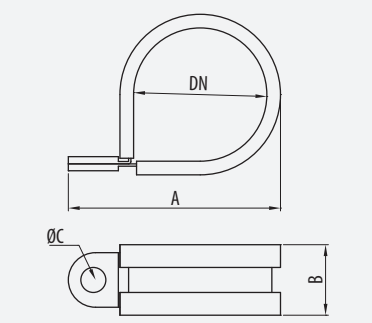


Abrazadera I

Clamp I

Clip de Maintien I

Abraçadeira I



DN	A	B	C	EZ	kg/u	
DN 7	25	12,5	4,2	39095000	0,035	100
DN10	27	12,5	4,2	39095100	0,040	100
DN12	30	12,5	4,2	39095200	0,042	100
DN17	40	15,5	5,5	39095400	0,093	100
DN23	48	15,5	5,5	39095500	0,114	50
DN29	60	18	6,2	39095600	0,233	30
DN36	74	18	6,3	39095700	0,283	20
DN48	86	18,5	6,2	39095800	0,342	20

	AC+NBR		-25/+120º	OK

ETIM: EC000464

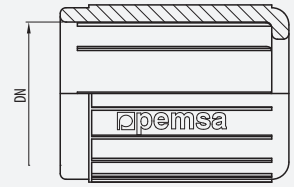


Terminal Tubo

End Cap

Embout de Protection

Terminal Tubo



DN		RAL 7035	
DN16		55111016	100
DN20		55111020	100
DN25		55111025	100
DN32		55111032	50
DN40		55111040	50
DN50		55111050	25
DN63		55111063	20

PVC		-5/+90º	OK

ETIM:EC000519

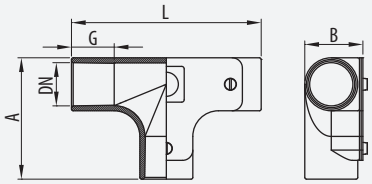


Derivación TL

TL Tee

T de dérivation TL

Derivação TL



DN	G	L	A	B	AL	kg/u	
DN16	20,0	96	61	30,5	55081016	0,073	10
DN20	21,5	96	61	30,5	55081020	0,127	10
DN25	26,5	111	71	35,5	55081025	0,221	8
DN32	32,0	146	96	51,5	55081032	0,920	2
DN40	33,5	146	96	51,5	55081040	0,688	2
DN50	43,5	183	120	61,5	55081050	1,155	1

AL		-45/+400º	54	OK

ETIM:EC002922

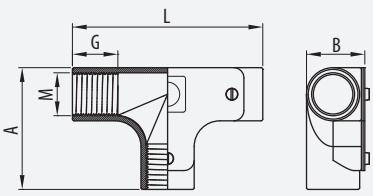


Derivación TR

TR Tee

T de dérivation TR

Derivação TR



DN		G	L	A	B	AL	kg/u	
DN16	M16	20,0	96	61	30,5	55080016	0,073	10
DN20	M20	21,5	96	61	30,5	55080020	0,127	10
DN25	M25	26,5	111	71	35,5	55080025	0,221	8
DN32	M32	32,0	146	96	51,5	55080032	0,920	2
DN40	M40	33,5	146	96	51,5	55080040	0,688	2
DN50	M50	43,5	183	120	61,5	55080050	1,155	1

AL		-45/+400º	54	OK

ETIM:EC000936

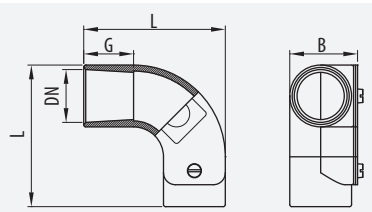


Codo L

L Elbow

Coude L

Cotovelo L



DN	G	L	B	AL	kg/u	
DN16	20,0	61	30,5	55071016	0,038	20
DN20	21,5	61	30,5	55071020	0,093	20
DN25	26,5	71	35,5	55071025	0,140	12
DN32	32,0	91	61,5	55071032	0,295	4
DN40	33,5	91	61,5	55071040	0,224	4
DN50	43,5	119	61,5	55071050	0,360	2

AL		-45/+400º	54	OK

ETIM:EC000936

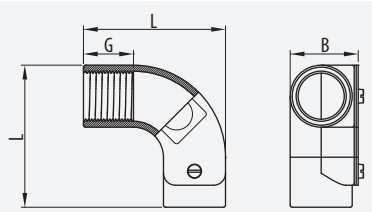


Codo R

R Elbow

Coude R

Cotovelo R



DN		G	L	B	AL	kg/u	
16	M16	20,0	61	30,5	55070016	0,044	20
20	M20	21,5	61	30,5	55070020	0,093	20
25	M25	26,5	71	35,5	55070025	0,140	12
32	M32	32,0	91	51,5	55070032	0,295	4
40	M40	33,5	91	51,5	55070040	0,224	4
50	M50	43,5	119	61,5	55070050	0,360	2

AL		-45/+400º	54	OK

ETIM:EC000936



Tubo Rígido RLGC Galvanizado en Caliente

RLGC Hot Dip Galvanised Conduit

Conduit Rigide RLGC Galvanisation á Chaud MRL5557

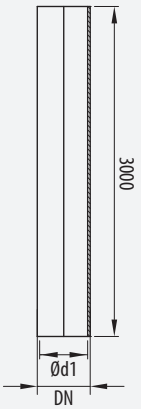
Tubo Galvanizado a Quente RLGC



DN	Ød1	Ød2	GC	kg/m	m
DN16	14,0	16	13040116	0,428	30
DN20	18,0	20	13040120	0,536	30
DN25	22,6	25	13040125	0,674	30
DN32	29,6	32	13040132	1,036	21
DN40	37,6	40	13040140	1,296	15
DN50	47,6	50	13040150	1,885	15
DN63	60,6	63	13040163	2,559	15

M	IEC 61386				IP	
AC	4457	4 (1250N)	4 (6J)	5 (-45º)/ 7 (+400º)	54	OK

ETIM:EC001173



Tubo Rígido RRGC Galvanizado en Caliente

RRGC Hot Dip Galvanised Conduit

Conduit Rigide RRGC Galvanisation á Chaud MRL5557

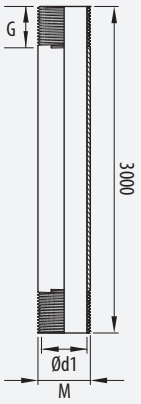
Tubo Galvanizado a Quente RRGC



DN		Ød1	Ød2	G	GC	kg/m	m
16	M16	13,2	16	15	13030116	0,508	30
20	M20	16,8	20	15	13030120	0,637	30
25	M25	21,8	25	20	13030125	0,803	30
32	M32	28,8	32	20	13030132	1,203	21
40	M40	36,8	40	20	13030140	1,511	15
50	M50	46,8	50	20	13030150	1,885	15
63	M63	59,4	63	20	13030163	2,892	15

M	IEC 61386				IP	
AC	5557	5 (4000N)	5 (20J)	5 (-45º)/ 7 (+400º)	54	OK

ETIM:EC001173



Manguito RLGC

RLGC Coupler

Manchon RLGC

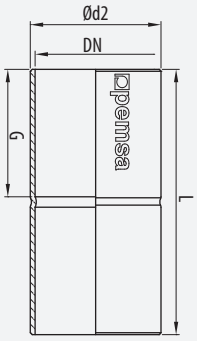
União RLGC



DN	Ød2	G	L	GC	kg/u	u
DN16	18,0	19	43	55006116	0,028	25
DN20	22,3	23	51	55006120	0,035	50
DN25	27,6	27	58	55006125	0,046	50
DN32	34,7	31	68	55006132	0,102	50
DN40	42,8	34	75	55006140	0,137	25
DN50	52,7	43	95	55006150	0,219	10
DN63	65,7	47	102	55006163	0,323	5

M			IP	
AC		-45/+400º	54	OK

ETIM:EC000937



Manguito RRGC

RRGC Coupler

Manchon RRGC

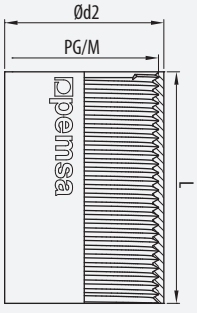
União RRGC



DN		Ød2	L	GC	kg/u	u
16	M16	18,5	27	55004116	0,026	25
20	M20	22,3	30	55004120	0,035	50
25	M25	27,6	37	55004125	0,046	50
32	M32	35,0	40	55004132	0,068	50
40	M40	44,1	50	55004140	0,081	25
50	M50	54,7	55	55004150	0,142	10
63	M63	65,7	55	55004163	0,185	5

M			IP	
AC		-45/+400º	54	OK

ETIM:EC000937

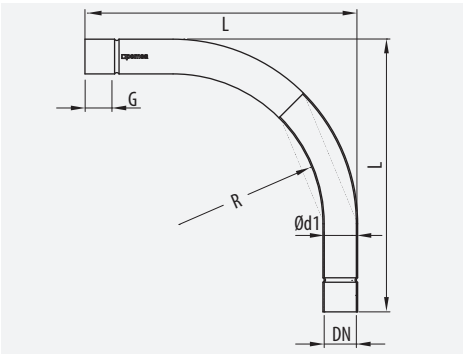


Curva 90° RLGC

90° RLGC Bend

Courbe 90° RLGC

Curva 90° RLGC



DN	Ød1	r mm	G	L	GC	kg/u	
DN16	18,1	50	27	110	55015116	0,122	15
DN20	22,1	70	32	135	55015120	0,154	25
DN25	27,7	80	34	205	55015125	0,222	25
DN32	34,7	80	34	232	55015132	0,403	20
DN40	42,7	170	47	290	55015140	0,636	15
DN50	53,0	200	53	360	55015150	0,967	5
DN63	66,0	250	82	470	55015163	1,894	3

	M	IEC 61386				IP	
	AC	5557	5 (4000N)	5 (20J)	5 (-45º)/ 7 (+400º)	54	OK

ETIM:EC001493

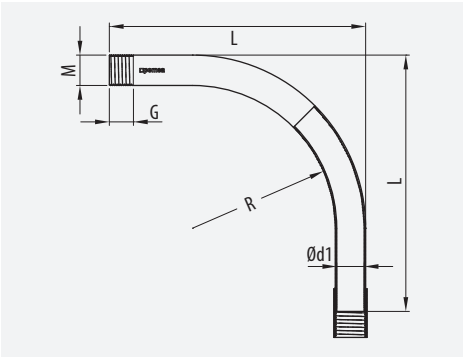


Curva 90° RRGC

90° RRGC Bend

Courbe 90° RRGC

Curva 90° RRGC



DN		Ød1	r mm	G	L	GC	kg/u	
16	M16	13,2	50	12	140	55014116	0,167	15
20	M20	16,8	60	12	160	55014120	0,213	25
25	M25	21,8	60	15	190	55014125	0,308	25
32	M32	28,8	80	18	245	55014132	0,469	20
40	M40	36,8	100	20	290	55014140	0,866	15
50	M50	46,8	120	20	360	55014150	1,361	5
63	M63	59,4	200	20	450	55014163	2,500	3

	M	IEC 61386				IP	
	AC	5557	5 (4000N)	5 (20J)	5 (-45º)/ 7 (+400º)	54	OK

ETIM:EC001493

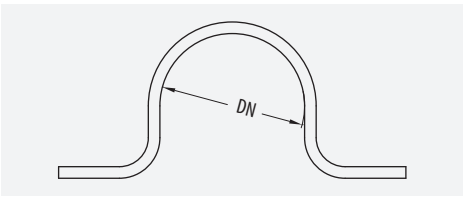


Abrazadera RGC

RGC Clamp

Collier de Fixation RGC

Abraçadeira RGC



DN		GC	kg/u	
DN16		55032116	0,001	100
DN20		55032120	0,001	100
DN25		55032125	0,001	100
DN32		55032132	0,001	100
DN40		55032140	0,002	50
DN50		55032150	0,002	50
DN63		55032163	0,002	25

	M			
	AC		-45/+400º	OK

ETIM: EC000464

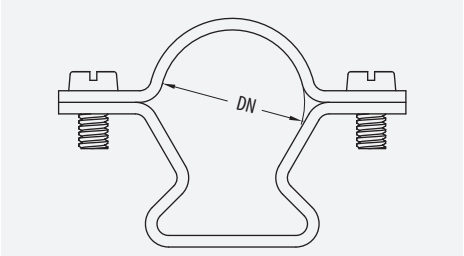


Abrazadera Pie RGC

RGC Stand Off Clamp

Collier de Fixation Pé RGC

Abraçadeira Pé RGC



DN		GC	kg/u	
DN16		55033116	0,004	50
DN20		55033120	0,004	50
DN25		55033125	0,004	50
DN32		55033132	0,004	25
DN40		55033140	0,010	25
DN50		55033150	0,020	25
DN63		55033163	0,020	20

	M			
	AC		-45/+400º	OK

ETIM: EC000464



pemsa

Tubo Rígido RAL Aluminio

RAL Aluminium Rigid Conduit

Conduit Rigide d´Aluminium RAL

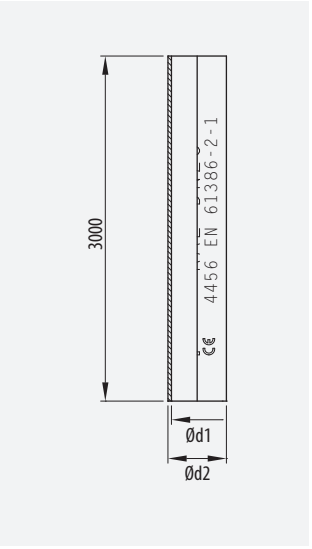
Tubo Rígido de Aluminio RAL



DN	Ød1	Ød2	AL	kg/m	
DN16	14,0	16	13020016	0,127	30
DN20	18,0	20	13020020	0,161	30
DN25	22,6	25	13020025	0,242	30
DN32	29,6	32	13020032	0,313	30
DN40	37,6	40	13020040	0,395	15
DN50	46,9	50	13020050	0,496	15
DN63	58,8	63	13020063	0,782	15

		IEC 61386				
AL	4456	4 (1250N)	4 (6J)	5 (-45º)/ 6 (+250º)	44	OK

ETIM:EC001173



Manguito RAL

RAL Coupler

Manchon RAL

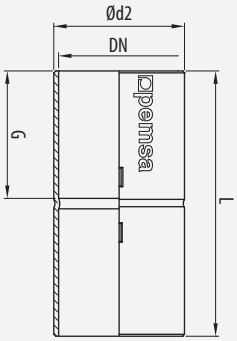
União RAL



DN	Ød2	G	L	AL	kg/u	
DN16	16,1	16	35	55002016	0,003	50
DN20	20,1	20	44	55002020	0,004	50
DN25	25,1	25	54	55002025	0,009	50
DN32	32,1	30	65	55002032	0,010	50
DN40	40,1	32	68	55002040	0,020	20
DN50	50,1	44	90	55002050	0,030	20
DN63	63,1	49	100	55002063	0,050	20

AL		-45º/+250	44	OK	

ETIM:EC000937



Curva 90° RAL

90° RAL Bend

Courbe 90° RAL

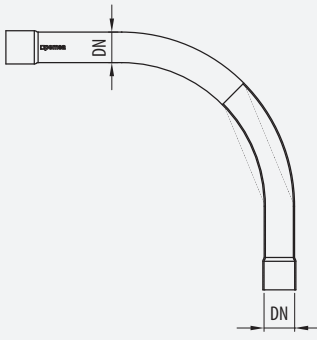
Curva 90° RAL



DN		AL	kg/u	
DN16		55012016	0,050	15
DN20		55012020	0,060	25
DN25		55012025	0,090	25
DN32		55012032	0,130	20
DN40		55012040	0,180	15
DN50		55012050	0,260	5
DN63		55012063	0,390	3

		IEC 61386				
AL	4456	4 (1250N)	4 (6J)	5 (-45º)/ 6 (+250º)	44	OK

ETIM:EC001493

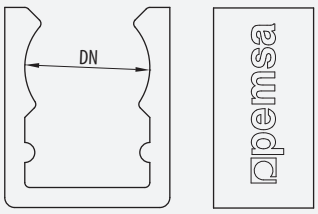


Clip RAL

RAL Clip

Clip RAL

Clip RAL



DN		AL	kg/u	
DN16		55022016	0,001	50
DN20		55022020	0,001	50
DN25		55022025	0,001	50
DN32		55022032	0,002	50
DN40		55022040	0,004	25

AL		-45/+250º	OK

ETIM:EC002320

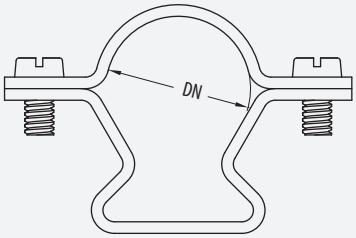


Abrazadera Pie RAL

RAL Stand Off Clamp

Collier de Fixation RAL

Abraçadeira Pé RAL



DN		AL	kg/u	
DN16		55031016	0,002	50
DN20		55031020	0,002	50
DN25		55031025	0,002	50
DN32		55031032	0,004	25
DN40		55031040	0,005	25



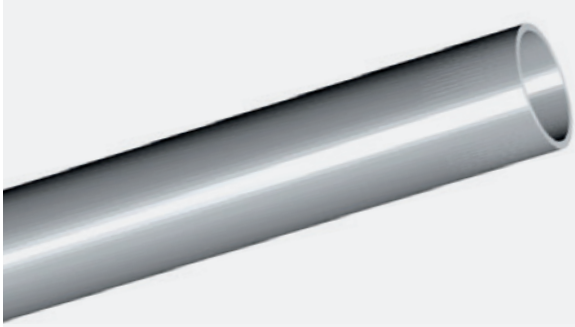
IDEA

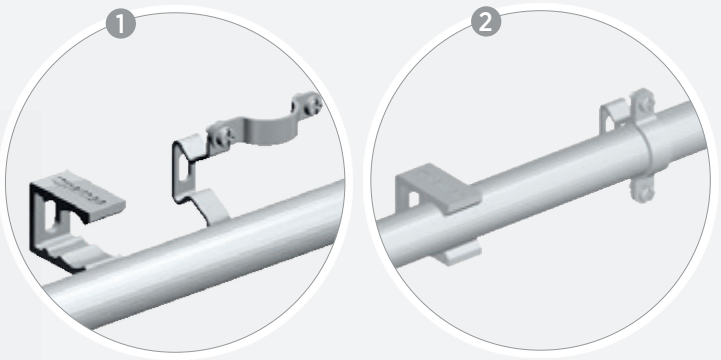
Soluciones Fijación Tubo RAL

Solutions for fixing RAL Conduit

Solutions de Fixation Conduit RAL

Soluções de Fixação Tubo RAL





pemsa

Tubo RINOX Acero Inoxidable

Stainless Steel RINOX Conduit

Conduit d'Acier Inoxydable RINOX

Tubo de Aço Inoxidável RINOX



DN	Ød1	Ød2	304	kg/m	m
DN16	14	16	13021016	0,389	15
DN20	18,0	20	13021020	0,450	15
DN25	23,0	25	13021025	0,600	15
DN32	29,6	32	13021032	1,200	15
DN40	37,6	40	13021040	1,300	9
DN50	47 ,6	50	13021050	1,714	9

M	IEC 61386				IP	
304	4456	4 (1250N)	4 (6J)	5 (-45º)/ 6 (+250º)	44	OK



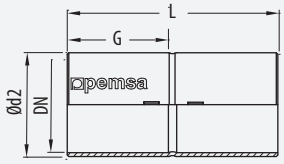
ETIM: EC001173

Manguito RINOX

RINOX Coupler

Manchon RINOX

União RINOX



DN	Ød2	G	L	316	kg/u	u
DN16	17,7	21,5	45	55003016	0,022	25
DN20	21,7	24,0	50	55003020	0,040	50
DN25	26,7	27,5	55	55003025	0,040	50
DN32	33,7	31,5	65	55003032	0,065	50
DN40	42,1	34,0	70	55003040	0,072	25
DN50	52,1	44,0	90	55003050	0,200	10

M			IP	
316		-45º/+250	44	OK



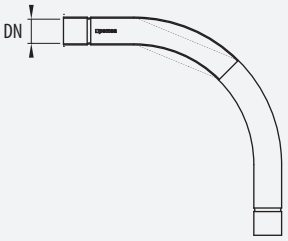
ETIM:EC000937

Curva 90° RINOX

90° RINOX Bend

Courbe 90° RINOX

Curva 90° RINOX



DN		316	kg/u	u
DN16		55013016	0,111	15
DN20		55013020	0,120	25
DN25		55013025	0,180	25
DN32		55013032	0,280	20
DN40		55013040	0,720	10
DN50		55013050	0,879	5

M	IEC 61386				IP	
316	4456	4 (1250N)	4 (6J)	5 (-45º)/ 6 (+250º)	44	OK

ETIM:EC001493

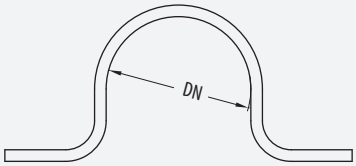


Abrazadera RINOX

RINOX Clamp

Collier de Fixation RINOX

Abraçadeira RINOX



DN		316	kg/u	u
DN16		55034016	0,001	50
DN20		55034020	0,001	50
DN25		55034025	0,001	50
DN32		55034032	0,001	25
DN40		55034040	0,002	25
DN50		55034050	0,002	25

M			
316		-45/+250º	OK

ETIM:EC000464

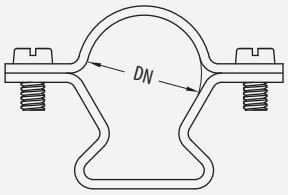


Abrazadera Pie RINOX

RINOX Stand Off Clamp

Collier de Fixation RINOX

Abraçadeira Pé RINOX



DN		316L	kg/u	u
DN16		55035016	0,002	50
DN20		55035020	0,002	50
DN25		55035025	0,002	50
DN32		55035032	0,002	50
DN40		55035040	0,004	25
DN50		55035050	0,004	25

M			
316		-45/+250º	OK

ETIM:EC0004641



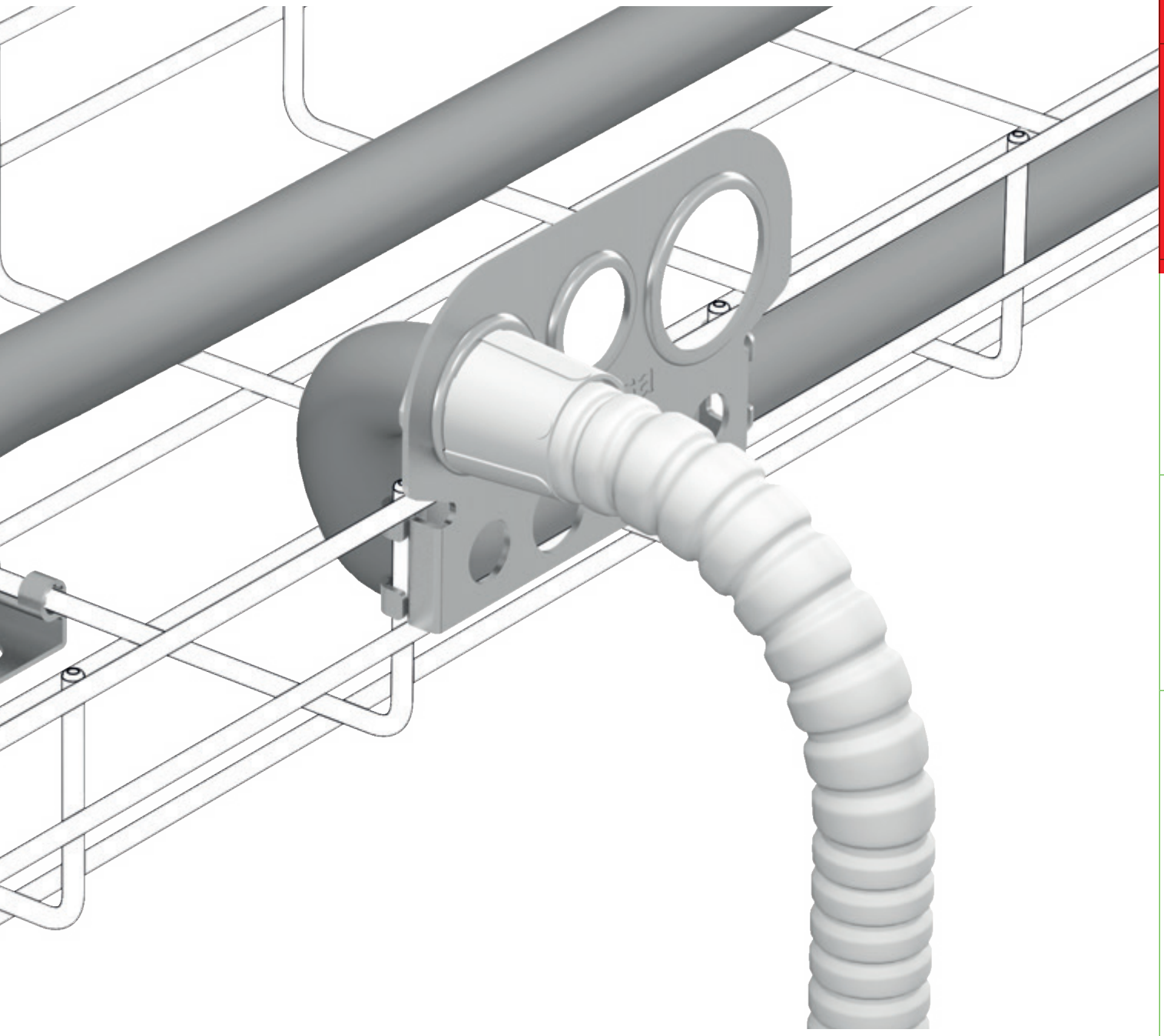
Flexibl

Tubos flexibles para aplicaciones generales e industriales

Flexible conduits for general and industrial applications

Conduits flexible pour aplications générales et industrielles

Tubos flexíveis para aplicações gerais e industriais

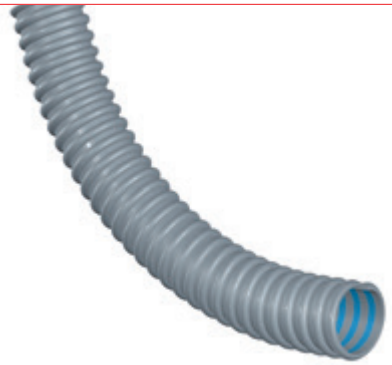


Tubo Flexible TFA

TFA Flexible Conduit

Conduit Flexible Plastique TFA

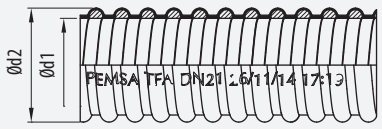
Tubo Flexivel TFA



DN	Ød1	Ød2	r mm	RAL 7011	RAL 7035	RAL 9005	kg/m	
DN 7	10,0	13,3	14	10011007		10011507	0,055	25
DN 9	11,8	15,7	16	10011009	10011209	10011509	0,070	25
DN11	14,7	18,7	20	10011011	10011211	10011511	0,078	25
DN13	16,8	20,7	22	10011013	10011213	10011513	0,105	25
DN16	18,1	22,8	24	10011016	10011216	10011516	0,120	25
DN21	23,6	28,9	30	10011021	10011221	10011521	0,165	25
DN29	30,5	37,0	38	10011029	10011229	10011529	0,250	25
DN36	40,0	47,2	48	10011036	10011236	10011536	0,380	25
DN48	53,1	60,0	60	10011048	10011248	10011548	0,415	20

			IEC 61386					
	PG + PVC		2421	2 (320N)	4 (6J)	-5/+60º	65	OK

ETIM:EC001177



Tubo TM

TM Flexible Conduit

Conduit Flexible Métallique TM

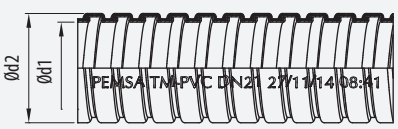
Tubo TM



DN	Ød1	Ød2	r mm		PG	kg/m	
DN 7	9,7	12,1	35		11010107	0,075	50
DN 9	11,5	14,1	41		11010109	0,084	50
DN11	15,3	17,7	50		11010111	0,118	50
DN13	17,1	19,5	51		11010113	0,127	50
DN16	19,3	21,7	55		11010116	0,144	50
DN21	23,4	26,8	66		11010021	0,310	25
DN29	30,7	33,7	84		11010029	0,400	25
DN36	39,8	43,8	106		11010036	0,520	25
DN48	52,7	56,7	149		11010048	0,700	20

			IEC 61386					
	AC		4455	4 (1250N)	4 (6J)	5 (-45º)/5 (+150º)	40	OK

ETIM:EC001177

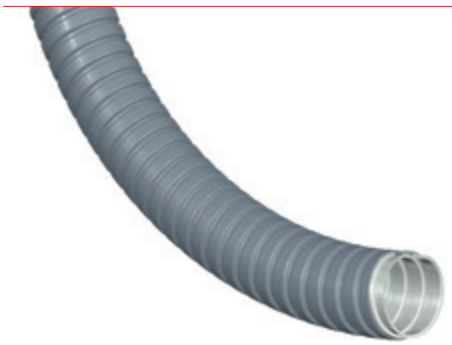


Tubo ECOFLEX

ECOFLEX flexible Conduit

Conduit Flexible Métallo-plastique ECOFLEX

Tubo ECOFLEX



DN	Ød1	Ød2	mm	RAL 7031	kg/m	
DN 7	9,7	12,7	24	11060107	0,096	50
DN 9	11,5	14,7	31	11060109	0,101	50
DN11	15,3	18,3	35	11060111	0,145	50
DN13	17,1	20,3	37	11060113	0,157	50
DN16	19,3	22,5	41	11060116	0,182	50
DN21	23,4	27,8	56	11060021	0,367	25
DN29	30,7	34,7	73	11060029	0,471	25
DN36	39,8	44,8	91	11060036	0,614	25
DN48	52,7	57,7	107	11060048	0,874	20

	IEC 61386					
AC+PVC	3421	3 (750N)	4 (6J)	2 (-5º)/ 1 (+60º)	65	OK

ETIM:EC001177



Tubo TM-PVC

TM-PVC flexible Conduit

Conduit Flexible Métallo-plastique TM-PVC

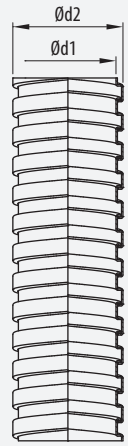
Tubo TM-PVC



DN	Ød1	Ød2	mm	RAL 7031	RAL 7035	kg/m	
DN 7	9,7	12,7	31	11020107	11060207	0,102	50
DN 9	11,5	14,7	37	11020109	11060209	0,108	50
DN11	15,3	18,3	52	11020111	11060211	0,154	50
DN13	17,1	20,3	55	11020113	11060213	0,165	50
DN16	19,3	22,5	60	11020116	11060216	0,217	50
DN21	23,4	27,8	71	11020021	11060221	0,390	25
DN29	30,7	34,7	76	11020029	11060229	0,500	25
DN36	39,8	44,8	103	11020036	11060236	0,690	25
DN48	52,7	57,7	114	11020048	11060248	1,013	20

	IEC 61386					
AC+PVC	4421	4 (1250N)	4 (6J)	2 (-5º)/ 1 (+60º)	65	OK

ETIM:EC001177



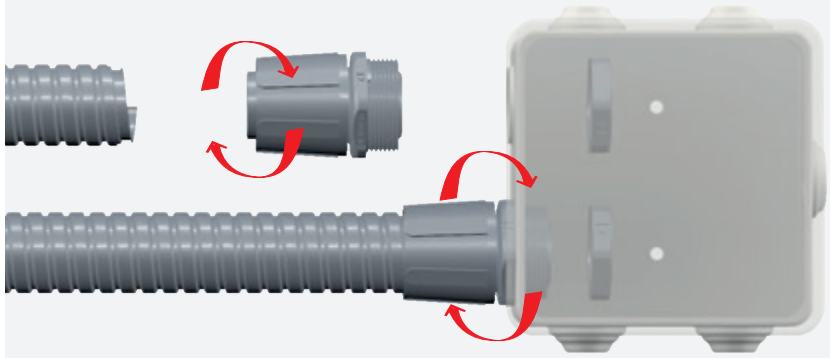
IDEA

RGp Racor Giratorio

Swivel Connector

Raccord Tournant

Racor Giratorio



Facil instalación de Racor a Caja

Easy fitting Connector to Box

Installation facile des Raccords

Facil instalação de Racor a Caixa

252

Racor P

P Connector

Raccord P

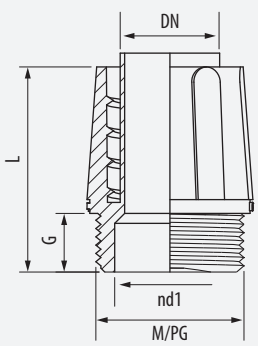
Racor P



DN			G	L		RAL 7001	kg/u	
DN 7	PG 7	8,1	9,1	27,2		30010007	0,002	100
DN 9	PG 9	10,6	9,1	28,2		30010009	0,003	100
DN11	PG11	14,1	9,7	31,9		30010011	0,005	50
DN13	PG13	15,7	10,2	33,4		30010013	0,006	50
DN16	PG16	17,2	10,6	34,2		30010016	0,007	25
DN21	PG21	21,8	12	40,0		30010021	0,011	25
DN29	PG29	26,0	13	47,5		30010029	0,021	10
DN36	PG36	37,0	13,5	51,5		30010036	0,030	8
DN48	PG48	59,3	16	59,3		30010048	0,052	5
DN 9	M16	11,0	9,1	28,2		30011160	0,003	100
DN11	M20	15,0	9,7	31,9		30011200	0,005	50
DN13	M20	15,0	10,2	33,4		30011201	0,006	50
DN16	M25	20,0	10,6	34,2		30011250	0,007	25
DN21	M32	26,0	12	40,0		30011320	0,010	25
DN29	M40	28,3	13	54,0		30011400	0,024	10
DN36	M50	36,6	13,5	59,0		30011500	0,033	8
DN48	M63	50,0	15	66,0		30011630	0,050	5

PA6		-25/+105º	44	OK	

ETIM: EC001178



Racor RGp Giratorio

RGp Swivel Connector

Raccord RGp Giratoire

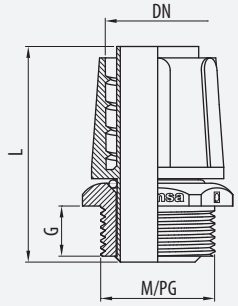
Racor RGp Giratório



DN		G	L		RAL 7001	RAL 7035	kg/u	
DN 7	PG 7	8	36	18	35010007		0,005	100
DN 9	PG 9	10	39	21	35010009		0,007	100
DN11	PG11	10	42	25	35010011		0,010	50
DN13	PG13	10	44	27	35010013		0,011	50
DN16	PG16	11	47	30	35010016		0,016	25
DN21	PG21	11	52	36	35010021		0,022	25
DN29	PG29	12,5	66	44	35010029		0,043	10
DN36	PG36	12,5	67	54	35010036		0,058	8
DN48	PG48	15	76	69	35010048		0,090	5
DN 9	M16	10	39	21	35011160	35012160	0,006	100
DN11	M20	10	42	25	35011200	35012200	0,008	50
DN13	M20	10	44	25	35011201	35012201	0,009	50
DN16	M25	11	47	30	35011250	35012250	0,013	25
DN21	M32	11	52	36	35011320	35012320	0,018	25
DN29	M40	12,5	66	44	35011400	35012400	0,033	10
DN36	M50	12,5	67	54	35011500	35012500	0,044	8
DN48	M63	15	76	69	35011630	35012630	0,067	5

PA6		-25/+105º	65	OK	

ETIM: EC001178



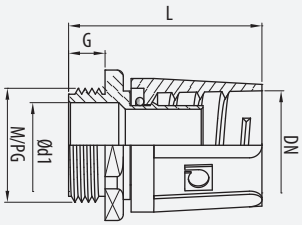
Racor RGM Giratorio

RGM Swivel Connector

Raccord RGm

Racor RGM Giratório





DN		Ød1	G	L		RAL 7000	kg/u	
DN 7	PG 7	7,2	6,0	32,2		35020007	0,014	100
DN 9	PG 9	9,2	6,0	34,0		35020009	0,019	100
DN11	PG11	12,2	7,0	38,6		35020011	0,028	50
DN13	PG13	14,3	7,0	40,1		35020013	0,032	50
DN16	PG16	15,8	8,0	42,2		35020016	0,040	25
DN21	PG21	21,0	8,2	48,5		35020021	0,058	25
DN29	PG29	28,5	10,0	58,4		35020029	0,108	10
DN36	PG36	37,0	13,5	66,1		35020036	0,171	8
DN48	PG48	49,7	16,0	74,2		35020048	0,255	5
DN 7	M12	7,2	6,0	32,2		35021120	0,015	100
DN 9	M16	9,2	6,0	34,0		35021160	0,020	100
DN11	M20	12,2	7,0	38,6		35021200	0,027	50
DN13	M20	14,3	7,0	40,1		35021201	0,032	50
DN16	M25	15,8	8,0	42,2		35021250	0,042	25
DN21	M32	21,0	8,2	48,5		35021320	0,063	25
DN29	M40	28,5	10,0	58,4		35021400	0,109	10
DN36	M50	37,0	13,5	66,1		35021500	0,170	8
DN48	M63	49,7	16,0	74,2		35021630	0,253	5

PA6+LAT		-25/+105º	65	OK

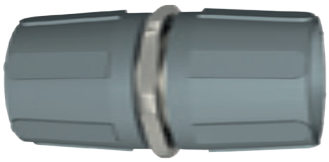
ETIM: EC001178

Racor RGM Doble

RGM Double Connector

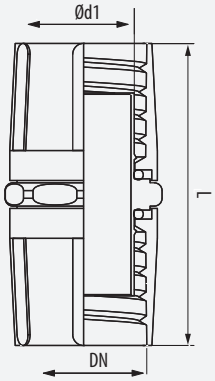
Raccord RGM double

Racor RGM duplo



DN	Ød1	L	RAL 7000	kg/u	
DN 7	7,2	48	82002540	0,017	50
DN 9	9,2	52	82002568	0,024	50
DN11	12,2	59	82002569	0,033	25
DN13	14,3	62	82002570	0,04	25
DN16	15,8	64	82002571	0,048	15
DN21	21	76	82002572	0,084	15
DN29	28,5	91	82002573	0,141	5
DN36	37	99	82002574	0,218	4
DN48	49,7	109	82002575	0,269	3

ETIM: EC001178



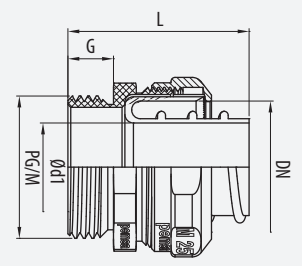
Racor RM

RM Connector

Raccord RM

Racor RM





DN		Ød1	G	L		LN	kg/u	
DN 7	PG 7	7,5	5	24	18	37020007	0,012	100
DN 9	PG 9	9,3	6	25	20	37020009	0,016	100
DN11	PG11	12,1	6,5	26,1	24	37020011	0,021	100
DN13	PG13	13,6	6	26,1	26	37020013	0,024	50
DN16	PG16	15,5	8,5	31,8	28	37020016	0,029	50
DN21	PG21	20,2	8	33,5	34	37020021	0,045	25
DN29	PG29	26,7	9,5	36,3	45	37020029	0,087	20
DN36	PG36	34,8	10	41	56	37020036	0,173	10
DN48	PG48	45,0	15	54,8	70	37020048	0,299	5
DN 7	M12	7,5	5	24	18	37021120	0,012	100
DN 9	M16	9,3	6	25	20	37021160	0,016	100
DN11	M20	12,1	6,5	26,1	24	37021200	0,021	100
DN13	M20	13,6	7	27,1	26	37021201	0,025	50
DN16	M25	15,5	8	31,8	28	37021250	0,029	50
DN21	M32	20,2	8	33,5	34	37021320	0,045	25
DN29	M40	26,7	8	36,3	45	37021400	0,084	20
DN36	M50	34,8	9	41	56	37021500	0,167	10
DN48	M63	45,0	14	54,8	70	37021630	0,289	5

LATNIQ		-25/+90º	54	OK

ETIM: EC001178

Racor Hembra RMH

RMH Female Coupler

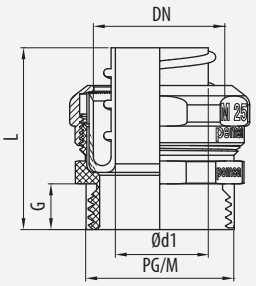
Raccord filetage interieur RMH

Racor Rosca interior RMH



DN		G	Ød1	L		LN	kg/u	
DN 7	M12	6	7,5	24	18	37041120	0,015	100
DN 9	M16	7	9,3	27	20	37041160	0,02	100
DN11	M20	7,5	12,1	28,6	24	37041200	0,027	100
DN13	M20	8	13,6	29,1	26	37041201	0,032	50
DN16	M25	9	15,5	32,8	28	37041250	0,034	50
DN21	M32	9	20,2	35	34	37041320	0,056	25
DN29	M40	9	26,7	39,3	45	37041400	0,093	20
DN36	M50	10	34,8	40	56	37041500	0,188	10
DN48	M63	15	45	48,8	70	37041630	0,346	5

	LATNIQ		-25/+90º	54	OK



Racor RMM

RMM Coupler

Raccord RMM

Racor RMM



DN		G	Ød1	L		LN	kg/u	
DN 7	PG 7	5	8	21,5	18	37025007	0,017	100
DN 9	PG 9	6	9,8	22	20	37025009	0,024	100
DN11	PG11	6,5	12,7	22,5	24	37025011	0,033	100
DN13	PG13	6	14,5	23	26	37025013	0,039	50
DN16	PG16	8,5	16,2	26	28	37025016	0,046	50
DN21	PG21	8	21	28	34	37025021	0,071	25
DN29	PG29	9,5	28,6	31	45	37025029	0,141	20
DN36	PG36	10	37,5	38	56	37025036	0,275	10
DN48	PG48	15	48,8	50	70	37025048	0,496	5
DN 7	M12	5	8	21,5	18	37026120	0,017	100
DN 9	M16	6	9,8	22	20	37026160	0,024	100
DN11	M20	6,5	12,7	22,5	24	37026200	0,033	100
DN13	M20	7	14,5	23	26	37026201	0,04	50
DN16	M25	8	16,2	26	28	37026250	0,046	50
DN21	M32	8	21	28	34	37026320	0,071	25
DN29	M40	8	28,6	31	45	37026400	0,138	20
DN36	M50	9	37,5	38	56	37026500	0,269	10
DN48	M63	14	48,8	50	70	37026630	0,486	5

	LATNIQ		-45°/+150°	54	OK

Racor Hembra RMMH

RMMH Female Coupler

Raccord filetage interieur RMMH

Racor Rosca interior RMMH



DN		G	Ød1	L		LN	kg/u	
DN 7	M12	6	8	22,1	18	37046120	0,019	100
DN 9	M16	7	9,8	24,6	20	37046160	0,027	100
DN11	M20	7,5	12,7	25,1	24	37046200	0,038	100
DN13	M20	8	14,5	25,6	26	37046201	0,045	50
DN16	M25	9	16,2	27,6	28	37046250	0,049	50
DN21	M32	9	21	30,1	34	37046320	0,078	25
DN29	M40	9	28,6	33	45	37046400	0,142	20
DN36	M50	10	37,5	40,5	56	37046500	0,28	10
DN48	M63	15	48,8	51,6	70	37046630	0,523	5

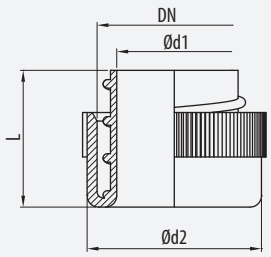
	LATNIQ		-45°/+150°	54	OK

Casquillo RP

RP Plug

Terminus plastique RP

Casquilho RP



DN	Ød1	Ød2	L	RAL 7035	kg/u	
DN 7	7,5	14,8	16,0	37003107	0,001	100
DN 9	9,3	18,1	18,0	37003109	0,001	100
DN11	12,1	21,9	19,1	37003111	0,002	100
DN13	13,6	24,0	19,1	37003113	0,002	50
DN16	15,5	25,5	21,8	37003116	0,002	50
DN21	20,2	32,2	24,0	37003121	0,004	25
DN29	26,7	42,2	25,3	37003129	0,007	20
DN36	34,8	53,0	30,0	37003136	0,013	10
DN48	45,0	65,7	38,3	37003148	0,022	5

PP		-25/+90º	54	OK

ETIM:EC000519

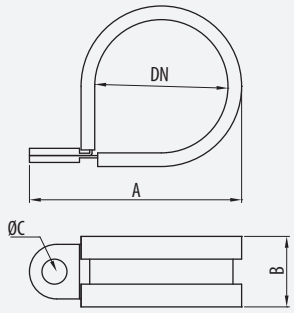


Abrazadera I

Clamp I

Clip de Maintien I

Abraçadeira I



DN	A	B	C	EZ	kg/u	
DN 7	25	12,5	4,2	39095000	0,035	100
DN10	27	12,5	4,2	39095100	0,040	100
DN12	30	12,5	4,2	39095200	0,042	100
DN17	40	15,5	5,5	39095400	0,093	100
DN23	48	15,5	5,5	39095500	0,114	50
DN29	60	18	6,2	39095600	0,233	30
DN36	74	18	6,3	39095700	0,283	20
DN48	86	18,5	6,2	39095800	0,342	20

AC+NBR		-25/+120º	OK

ETIM:EC000464



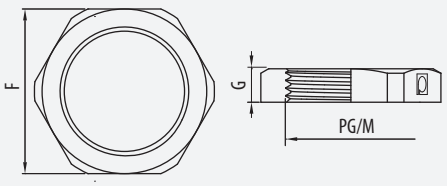
Tuerca TCP

TCP Nut

Ecrou TCP

Porca TCP





	G		RAL 7001	RAL 7035	RAL 9005	kg/u	
PG 7	5	19	40026007	40020007	40024007	0,001	100
PG 9	5	22	40026009	40020009	40024009	0,002	100
PG11	5	24	40026011	40020011	40024011	0,001	100
PG13	6	27	40026013	40020013	40024013	0,002	100
PG16	6	30	40026016	40020016	40024016	0,003	100
PG21	7	36	40026021	40020021	40024021	0,003	100
PG29	7	46	40026029	40020029	40024029	0,006	50
PG36	8	60	40026036	40020036	40024036	0,013	25
PG48	8	70	40026048	40020048	40024048	0,014	25
M12	5	18	40027120	40021120	40025120	0,001	100
M16	5	22	40027160	40021160	40025160	0,001	100
M20	6	26	40027200	40021200	40025200	0,002	100
M25	6	32	40027250	40021250	40025250	0,005	100
M32	7	41	40027320	40021320	40025320	0,005	50
M40	7	50	40027400	40021400	40025400	0,007	25
M50	8	60	40027500	40021500	40025500	0,010	25
M63	8	75	40027630	40021630	40025630	0,016	25

PA6		-25/+100º	OK

ETIM:EC000129

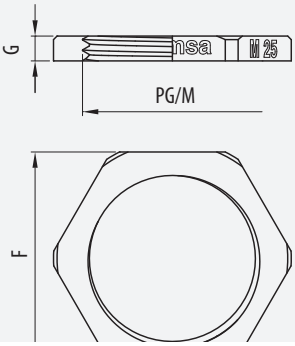
Tuerca TCM

TCM Nut

Ecrou TCM

Porca TCM





	G		LN	kg/u	
PG 7	2,8	15	40010007	0,002	100
PG 9	2,8	18	40010009	0,002	100
PG11	3,0	21	40010011	0,003	100
PG13	3,0	23	40010013	0,003	100
PG16	3,0	26	40010016	0,005	100
PG21	3,5	32	40010021	0,007	100
PG29	4,0	41	40010029	0,013	50
PG36	5,0	51	40010036	0,021	25
PG42	5,0	60	40010042	0,030	25
PG48	5,5	64	40010048	0,034	25

	LN	-45/+150º	OK

ETIM:E000129

	G		LN	kg/u	
M12	2,8	15	40011120	0,002	100
M16	2,8	19	40011160	0,003	100
M20	3,0	24	40011200	0,004	100
M25	3,5	30	40011250	0,009	100
M32	4,0	36	40011320	0,011	50
M40	5,0	46	40011400	0,019	25
M50	5,0	60	40011500	0,026	25
M63	6,0	70	40011630	0,055	25

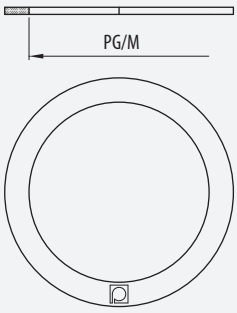
Junta Exterior

Flat Ring

Joint Plat

Junta Exterior





	RAL 5024	kg/u	
PG 7	39092007	0,001	100
PG 9	39092009	0,001	100
PG11	39092011	0,001	100
PG13	39092013	0,001	50
PG16	39092016	0,001	50
PG21	39092021	0,001	50
PG29	39092029	0,001	30
PG36	39092036	0,001	20
PG48	39092048	0,002	10

	NBR	-25/+105º	68	OK

ETIM:EC000098

	RAL 5024	kg/u	
M12	39092112	0,000	50
M16	39092116	0,000	50
M20	39092120	0,001	50
M25	39092125	0,001	50
M32	39092132	0,001	30
M40	39092140	0,002	10
M50	39092150	0,003	10
M63	39092163	0,002	10

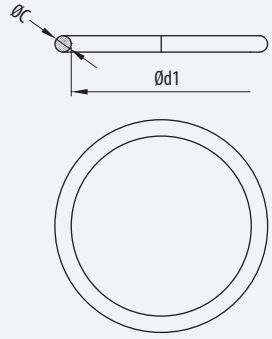
Junta Tórica

O-Ring

Joint Torique

O-Ring





	Cd2	C	RAL 9005	kg/u	
PG 7	9,0	1,5	39096007	0,001	500
PG 9	12,0	1,5	39096009	0,001	500
PG11	16,0	1,5	39096011	0,001	500
PG13	17,2	1,8	39096013	0,001	100
PG16	22,0	2,0	39096016	0,002	500
PG21	29,0	2,0	39096021	0,003	500
PG29	33,0	2,0	39096029	0,004	250
PG36	43,0	2,0	39096036	0,006	100
PG48	55,0	2,0	39096048	0,007	50

	NBR	4 (-25º)/4 (+120º)	68	OK

ETIM:EC000098

	Cd2	C	RAL 9005	kg/u	
M12	9,0	1,5	39096112	0,001	500
M16	12,0	1,5	39096116	0,002	500
M20	17,2	1,8	39096120	0,002	500
M25	22,0	2,0	39096125	0,003	500
M32	29,0	2,0	39096132	0,004	250
M40	35,0	2,0	39096140	0,005	50
M50	43,0	2,0	39096150	0,066	50
M63	55,0	2,0	39096163	0,007	50

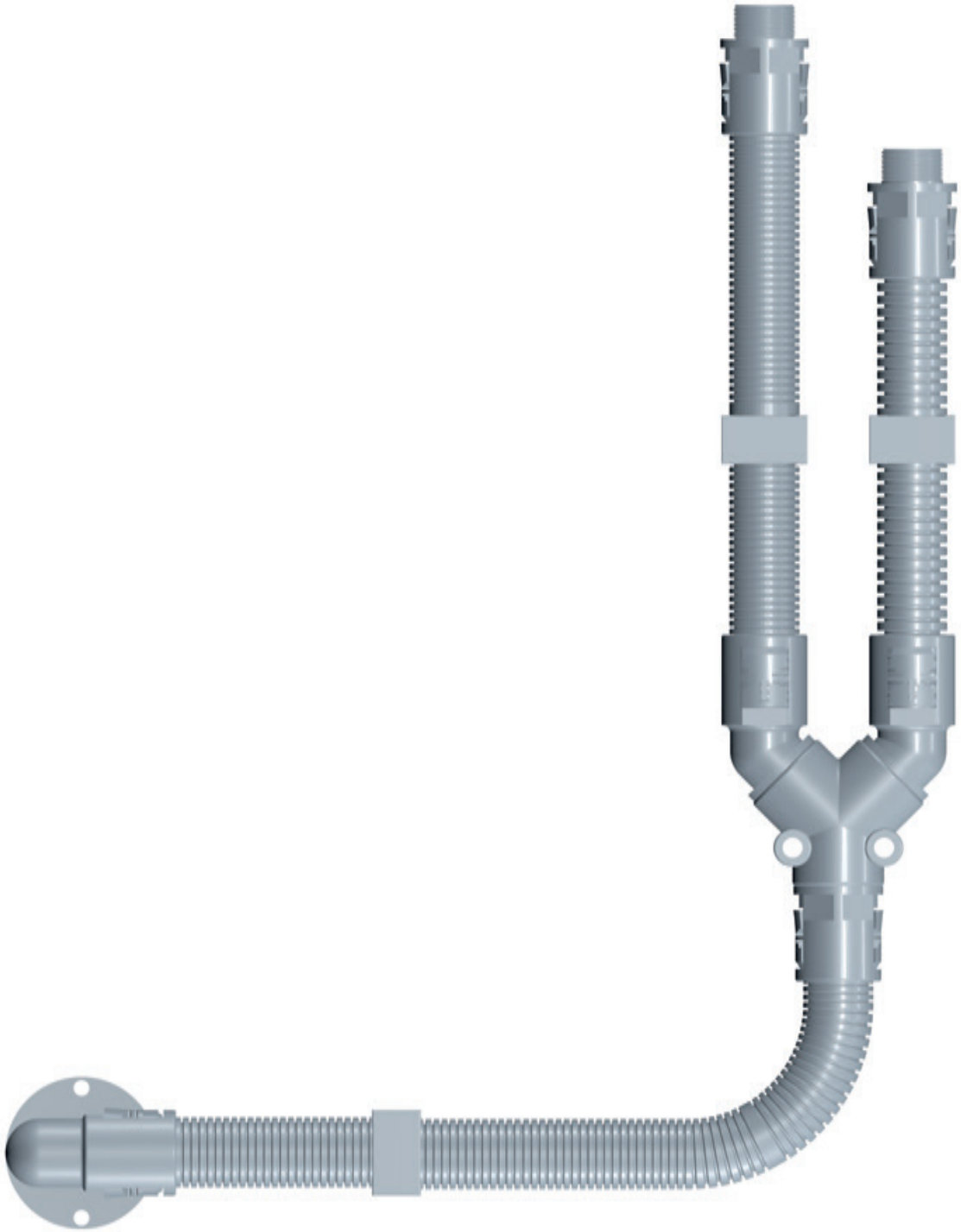
Pemsaflex

Tubos flexibles para aplicaciones industriales

Flexible conduits for industrial applications

Conduits flexibles pour applications industrielles

Tubos flexíveis para aplicações industriais



Tubo Flexible LG-PA

LG-PA Flexible Conduit

Conduit Flexible LG-PA

Tubo Flexível LG-PA



DN	Ød1	Ød2	mm	RAL 7011	RAL 9005	kg/m	m
DN 7	6,8	10,0	15	10042007	10043007	0,022	50
DN10	9,8	13,0	20	10042010	10043010	0,025	50
DN12	12,2	15,8	30	10042012	10043012	0,033	50
DN14	14,6	18,7	35	10042014	10043014	0,052	50
DN17	17,2	21,7	35	10042017	10043017	0,056	50
DN23	23,4	28,5	45	10042023	10043023	0,090	50
DN29	28,6	34,4	50	10042029	10043029	0,122	25
DN36	35,7	42,5	60	10042036	10043036	0,145	25
DN48	48,0	54,7	70	10042048	10043048	0,190	20

	M	IEC 61386				IP	
	PA6	2423	2 (320N)	4 (6J)	-40º/ +105º	67	OK

ETIM:EC001175

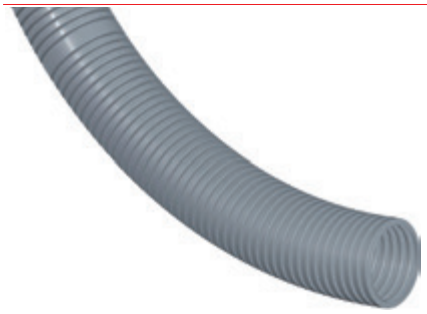


Tubo Flexible ST-PA

ST-PA Flexible Conduit

Conduit Flexible ST-PA

Tubo Flexível ST-PA



DN	Ød1	Ød2	mm	RAL 7011	RAL 9005	kg/m	m
DN 7	6,6	10	15	10040007	10041007	0,024	50
DN10	9,5	13	20	10040010	10041010	0,030	50
DN12	12,0	15,8	30	10040012	10041012	0,040	50
DN14	14,4	18,7	35	10040014	10041014	0,056	50
DN17	16,9	21,7	35	10040017	10041017	0,065	50
DN23	23,3	28,5	45	10040023	10041023	0,105	50
DN29	28,2	34,4	50	10040029	10041029	0,135	25
DN36	35,5	42,5	60	10040036	10041036	0,175	25
DN48	47,7	54,7	70	10040048	10041048	0,240	20

	M	IEC 61386				IP	
	PA6	2423	2 (320N)	4 (6J)	-40º/ +105º	67	OK

ETIM:EC001175

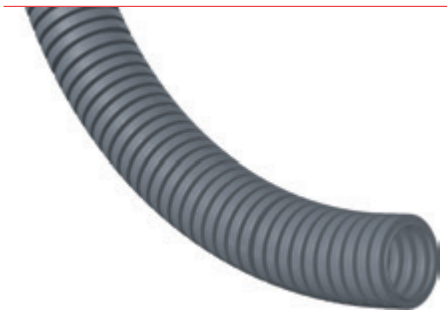


Tubo Flexible RB-PA

RB-PA Flexible Conduit

Conduit Flexible RB-PA

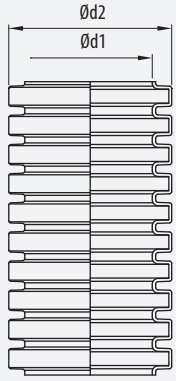
Tubo Flexível RB-PA



DN	Ød1	Ød2	mm	RAL 7011	RAL 9005	kg/m	m
DN 7	6,4	10,0	15	10046007	10047007	0,022	100
DN10	9,6	13,0	20	10046010	10047010	0,026	50
DN12	11,8	15,7	25	10046012	10047012	0,035	50
DN17	16,7	21,7	30	10046017	10047017	0,055	50
DN23	21,8	28,3	35	10046023	10047023	0,092	50
DN29	28,1	34,1	40	10046029	10047029	0,120	50
DN36	35,5	42,3	60	10046036	10047036	0,160	30
DN48	46,5	54,5	70	10046048	10047048	0,220	30
DN52	52,4	62,5	125	10046052	10047052	0,365	30
DN70	69,3	82,5	150	10046070	10047070	0,460	10
DN95	89,0	105,7	170	10046095	10047095	1,030	10

M	IEC 61386				IP	
PA12	2343	1 (125N)	3 (2J)	-50º/ +105º	67	OK

ETIM:EC001175



Tubo Flexible RB-PU

RB-PU Flexible Conduit

Conduit Flexible RB-PU

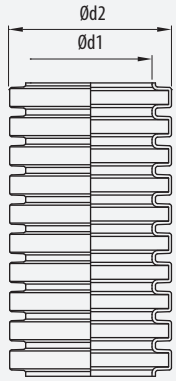
Tubo Flexível RB-PU



DN	Ød1	Ød2	mm		RAL 9005	kg/m	m
DN17	15,3	21,6	30		10048017	0,085	50
DN23	21,4	28,4	40		10048023	0,138	50
DN29	27,7	34,1	50		10048029	0,170	50
DN36	35,3	43,2	60		10048036	0,233	30
DN48	46,5	55,0	70		10048048	0,310	30
DN52	52,4	62,4	150		10048052	0,420	30
DN70	69,5	83,4	150		10048070	0,720	30

M	IEC 61386				IP	
PU	1532	1 (125N)	5 (20J)	-5º/ +90º	67	OK

ETIM:EC001175

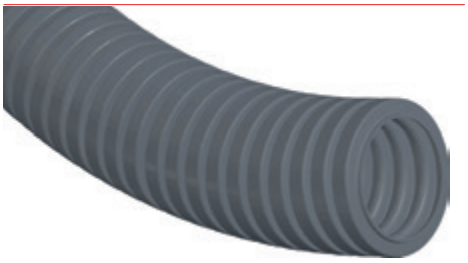


Tubo Flexible MACROFLEX

MACROFLEX Flexible Conduit

Conduit Flexible MACROFLEX

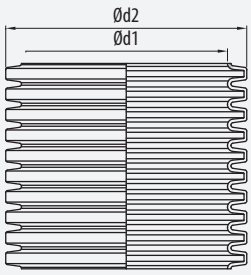
Tubo Flexível MACROFLEX



DN	Ød1	Ød2	mm	RAL 7011	RAL 9005	kg/m	m
DN52	52,1	62,0	155	10060052	10060552	0,365	10
DN70	70	82,5	160	10060070	10060570	0,460	10
DN90	90	106,0	210	10060095	10060595	0,740	10

M	IEC 61386				IP	
PA6	2443	1 (125 N)	3 (2 J)	-40º/ +105º	67	OK

ETIM:EC001175



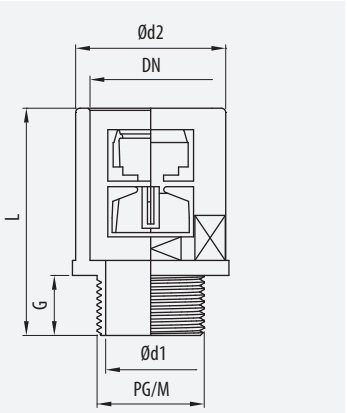
Racor REP

Racor REP

Raccord Droit REP

Racor REP





IP 67 con Junta interior

IP 67 with Internal joint

IP 67 com junta interior

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DN		Ød1	Ød2	G	L		RAL 7011	RAL 9005	kg/u	
DN 7	PG 7	7,0	17,5	8,2	34,5	15	31010007	32010007	0,003	50
DN 7	PG 9	7,0	18,5	9,7	36,0	15	31010009	32010009	0,004	50
DN 7	PG11	7,0	21,5	9,7	36,0	15	31010011	32010011	0,005	50
DN 7	PG13	7,0	24,0	9,7	36,0	15	31010013	32010013	0,005	50
DN10	PG 7	8,5	18,0	12,0	36,0	15	31010107	32010107	0,003	50
DN10	PG 9	10,8	20,0	12,0	36,0	15	31010109	32010109	0,003	50
DN10	PG11	11,0	23,5	12,0	36,0	15	31010111	32010111	0,004	50
DN10	PG13	11,0	25,5	12,0	36,0	15	31010113	32010113	0,005	50
DN12	PG 9	11,4	20,8	12,5	36,5	17	31010209	32010209	0,004	50
DN12	PG11	13,1	21,0	12,5	36,5	17	31010211	32010211	0,004	50
DN12	PG13	12,4	23,0	12,5	36,5	17	31010213	32010213	0,005	50
DN14	PG13	12,4	26,5	9,0	37,0	24	36010013		0,008	50
DN17	PG11	13,7	27,0	12,5	40,5	24	31010411	32010411	0,007	50
DN17	PG13	16,0	27,0	13,0	41,0	24	31010413	32010413	0,007	50
DN17	PG16	15,4	27,0	13,0	41,0	24	31010416	32010416	0,008	50
DN17	PG21	17,5	33,0	12,5	41,5	24	31010421	32010421	0,009	50
DN23	PG16	17,3	35,0	14,0	53,0	32	31010516	32010516	0,015	30
DN23	PG21	22,0	35,0	14,0	53,0	32	31010521	32010521	0,016	30
DN29	PG29	30,2	42,0	14,0	54,0	38	31010629	32010629	0,021	30
DN36	PG29	31,0	52,0	14,0	57,5	46	31010729	32010729	0,027	10
DN36	PG36	38,0	51,5	14,0	57,5	46	31010736	32010736	0,033	10
DN48	PG48	49,0	64,5	14,5	62,0	60	31010848	32010848	0,052	10
DN 7	M12	6,8	18,5	10,0	36,3	15	31012012	32012012	0,003	50
DN 7	M16	7,0	22,5	10,0	36,3	15	31012016	32012016	0,003	50
DN 7	M20	7,0	24,5	10,0	36,3	15	31012020	32012020	0,003	50
DN10	M12	8,0	18,5	9,5	33,5	15	31012112	32012112	0,004	50
DN10	M16	10,8	21,0	12,0	36,2	15	31012116	32012116	0,004	50
DN10	M20	10,9	26,5	12,0	36,5	15	31012120	32012120	0,004	50
DN12	M16	12,1	21,8	9,5	33,5	17	31012216	32012216	0,004	50
DN12	M20	12,8	27,0	12,5	36,5	17	31012220	32012220	0,005	50
DN17	M20	16,0	27,5	13,0	41,0	24	31012420	32012420	0,008	50
DN17	M25	17,9	29,0	12,0	40,0	24	31012425	32012425	0,007	50
DN17	M32	17,8	35,0	12,0	40,0	24	31012432	32012432	0,01	50
DN23	M25	21,0	36,5	14,0	53,0	32	31012525	32012525	0,016	30
DN23	M32	22,7	38,5	14,0	53,0	32	31012532	32012532	0,015	30
DN29	M32	26,9	42,0	14,0	54,0	38	31012632	32012632	0,021	30
DN29	M40	29,0	46,5	14,0	54,0	38	31012640	32012640	0,021	30
DN36	M40	34,3	52,5	14,0	57,5	46	31012740	32012740	0,029	10
DN36	M50	38,3	56,5	14,0	57,5	46	31012750	32012750	0,029	10
DN48	M50	44,2	65,5	14,0	62,0	60	31012850	32012850	0,047	10
DN48	M63	49,5	69,0	13,5	61,0	60	31012863	32012863	0,047	10

	PA6		-25/+105º	54	OK

ETIM: EC001176

IDEA

Prensaestopas

Cable Gland

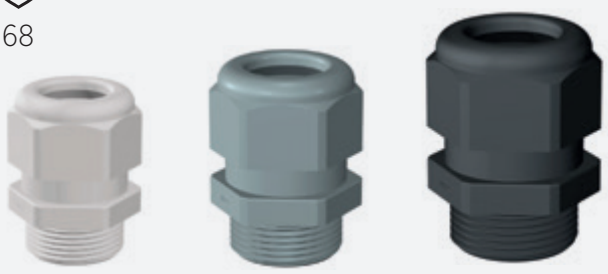
Presse-Étoupes

Bucins

234

IRIS IP 68

PA6



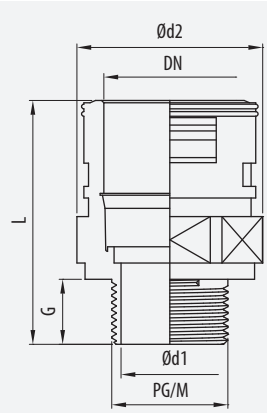
Racor RREP

RREP Connector

Raccord Droit RREP

Racor RREP





DN		Ød1	Ød2	G	L		RAL 7011	RAL 9005	kg/u	
DN10	PG 7	8,5	21,1	12,0	36,5	19	31100107	32100107	0,005	50
DN10	PG 9	11,0	21,1	12,0	36,5	19	31100109	32100109	0,005	50
DN10	PG11	10,0	21,1	12,0	36,5	19	31100111	32100111	0,006	50
DN10	PG13	11,0	23,5	12,0	37,0	19	31100113	32100113	0,006	50
DN12	PG 9	11,4	24,0	12,5	38,0	22	31100209	32100209	0,006	50
DN12	PG11	13,1	24,0	12,5	38,0	22	31100211	32100211	0,007	50
DN12	PG13	12,4	24,0	12,5	38,0	22	31100213	32100213	0,007	50
DN17	PG11	15,4	30,4	12,5	42,0	27	31100411	32100411	0,011	50
DN17	PG13	17,5	30,4	13,0	42,5	27	31100413	32100413	0,011	50
DN17	PG16	15,4	30,4	13,0	42,5	27	31100416	32100416	0,011	50
DN17	PG21	17,5	33,0	12,5	42,0	27	31100421	32100421	0,012	50
DN23	PG16	17,3	40,0	14,0	52,5	36	31100516	32100516	0,021	30
DN23	PG21	22,0	40,0	14,0	52,5	36	31100521	32100521	0,021	30
DN29	PG29	30,2	46,0	14,0	53,5	41	31100629	32100629	0,027	30
DN36	PG29	31,0	57,0	14,0	59,0	50	31100729	32100729	0,041	10
DN36	PG36	38,0	57,0	14,0	59,0	50	31100736	32100736	0,065	10
DN48	PG48	49,0	73,0	14,5	64,5	65	31100848	32100848	0,084	10
DN10	M12	8,0	21,1	9,5	34,0	19	31101112	32101112	0,006	50
DN10	M16	10,2	21,1	9,5	34,0	19	31101116	32101116	0,006	50
DN10	M20	10,9	26,5	12,0	37,0	19	31101120	32101120	0,006	50
DN12	M16	12,1	24,0	9,5	35,0	22	31101216	32101216	0,007	50
DN12	M20	12,8	24,0	12,5	38,0	22	31101220	32101220	0,007	50
DN17	M20	16,0	30,4	13,0	42,5	27	31101420	32101420	0,012	50
DN17	M25	17,9	30,4	12,0	41,5	27	31101425	32101425	0,011	50
DN23	M25	17,8	35,5	12,0	41,5	27	31101525	32101525	0,021	30
DN23	M32	22,7	40,0	14,0	52,5	36	31101532	32101532	0,02	30
DN29	M32	26,9	46,0	14,0	53,5	41	31101632	32101632	0,027	30
DN29	M40	29,0	46,5	14,0	53,5	41	31101640	32101640	0,027	30
DN36	M40	34,3	57,0	14,0	59,0	50	31101740	32101740	0,065	10
DN36	M50	38,3	57,0	14,0	59,0	50	31101750	32101750	0,065	10
DN48	M50	44,2	73,0	14,0	64,5	65	31101850	32101850	0,084	10
DN48	M63	49,5	73,0	13,5	63,5	65	31101863	32101863	0,084	10

	PA6		-25/+105º	67	OK

ETIM: EC001176

IDEA

HSK-K Prensa-estopas Industriales

Industrial Cable Glands

Presse-Étoupes

Bucins industriais



ATEX II 2G 1D

245 - 248

Racor Recto Interior

Female Straight Connector

Raccord filetage interieur

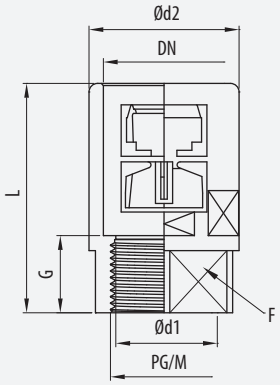
Racor Rosca Interior



DN		Ød1	Ød2	G	L		RAL 7011	RAL 9005	kg/u	
DN10	PG 9	11	19,0	12,0	36,0	17,0	31020109	32020109	0,004	50
DN12	PG11	13,4	24,8	13,0	37,0	22,0	31020211	32020211	0,005	50
DN17	PG13	17,2	28,5	13,5	39,0	24,0	31020413	32020413	0,009	50
DN17	PG16	17,3	33,2	13,0	39,0	30,0	31020416	32020416	0,008	50
DN23	PG21	21,7	36,0	14,5	52,0	32,0	31020521	32020521	0,017	30
DN29	PG29	30	47,5	18,5	57,0	42,0	31020629	32020629	0,024	30
DN36	PG36	38	59,8	21,0	63,5	54,0	31020736	32020736	0,039	10
DN48	PG48	48	73,0	21,0	67,5	65,0	31020848	32020848	0,060	10

PA6		-25/+105º	54	OK

ETIM: EC001176



Racor RRIP

RRIP Connector

Raccord RRIP

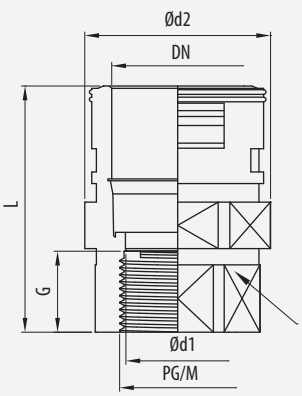
Racor RRIP



DN		Ød1	Ød2	G	L		RAL 7011	RAL 9005	kg/u	
DN10	PG 7	11,0	21,1	12,0	36,5	17	31110107	32110107	0,006	50
DN10	PG 9	11,0	21,7	12,0	35,5	19	31110109	32110109	0,006	50
DN12	PG11	13,4	24,8	13,0	38,5	22	31110211	32110211	0,007	50
DN12	PG13	13,3	27,0	11,0	38,5	24	31110213	32110213	0,008	50
DN17	PG13	17,2	30,4	13,5	40,5	30	31110413	32110413	0,012	50
DN17	PG16	17,3	33,2	13,0	40,5	30	31110416	32110416	0,011	50
DN23	PG21	21,7	40,0	14,5	51,5	32	31110521	32110521	0,027	30
DN29	PG29	30,0	47,5	18,5	56,5	42	31110629	32110629	0,028	30
DN36	PG36	38,0	59,8	21,0	65,0	54	31110736	32110736	0,070	10
DN48	PG48	48,0	73,0	21,0	70,0	65	31110848	32110848	0,090	10
DN10	M16	10,4	21,1	12,0	36,0	19	31111116	32111116	0,003	50
DN12	M16	12,9	24,0	12,0	37,0	19	31111216	32111216	0,007	50
DN17	N20	18,0	30,4	16,0	43,0	27	31111420	32111420	0,012	50
DN23	M25	22,5	40,0	17,0	53,0	32	31111525	32111525	0,027	30
DN29	M32	30,0	46,0	16,5	53,5	36	31111632	32111632	0,028	30
DN36	M40	38,0	57,0	20,0	63,5	46	31111740	32111740	0,070	10
DN48	M50	48,0	73,0	21,0	68,0	60	31111863	32111850	0,090	10

PA6		-25/+105º	67	OK

ETIM: EC001176



Racor RA 45°

RA 45° Connector

Raccord Coudé RA 45°

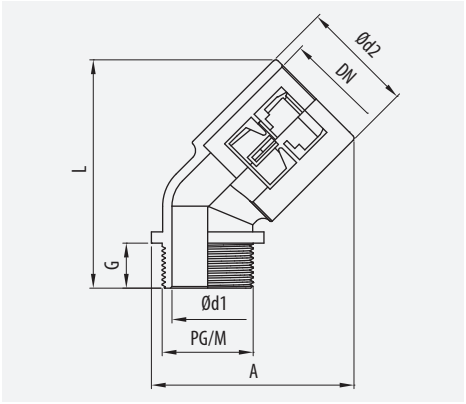
Racor RA 45°



DN		Ød1	Ød2	G	L	A	RAL 7011	RAL 9005	kg/u	
DN 7	PG 7	7,0	17,2	8,2	53,4	34	31030007	32030007	0,004	50
DN10	PG 9	11,1	18,0	12,0	50,0	36	31030109	32030109	0,006	50
DN12	PG11	13,2	21,0	12,0	49,5	40	31030211	32030211	0,008	50
DN17	PG16	16,3	27,0	13,0	59,0	47	31030416	32030416	0,013	50
DN23	PG21	22,2	35,0	14,0	71,0	63	31030521	32030521	0,026	30
DN29	PG29	30,1	41,8	14,0	79,0	72	31030629	32030629	0,036	30

PA6		-25/+105°	54	OK

ETIM: EC001176



Racor RA 90°

RA 90° Connector

Raccord Coudé RA 90°

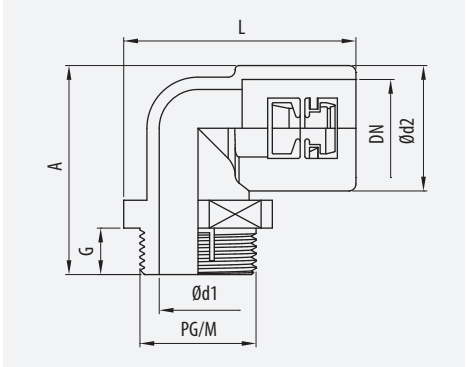
Racor RA 90°



DN		Ød1	Ød2	G	L	A	RAL 7011	RAL 9005	kg/u	
DN 7	PG 7	7,0	17,2	8,0	44,5	29,6	31040007	32040007	0,006	50
DN10	PG 7	8,4	18,0	10,5	38,3	33,5	31040107	32040107	0,007	50
DN10	PG 9	11,0	18,0	10,5	39,3	33,5	31040109	32040109	0,007	50
DN10	PG11	11,0	18,0	10,5	39,3	33,5	31040111	32040111	0,008	50
DN10	PG13	10,9	18,0	11,0	41,3	34,5	31040113	32040113	0,008	50
DN12	PG 9	11,7	20,8	11,0	42,0	36,5	31040209	32040209	0,009	50
DN12	PG11	13,0	20,8	11,0	43,0	36,5	31040211	32040211	0,009	50
DN12	PG13	15,0	20,8	11,0	43,3	36,5	31040213	32040213	0,008	50
DN17	PG13	16,0	27,0	13,0	47,5	45,0	31040413	32040413	0,013	50
DN17	PG16	17,2	27,0	13,0	47,5	45,0	31040416	32040416	0,013	50
DN23	PG21	22,1	35,0	14,0	65,0	54,0	31040521	32040521	0,023	30
DN29	PG29	30,3	41,8	14,0	73,8	60,9	31040629	32040629	0,036	30
DN36	PG36	38,0	51,0	14,0	86,3	70,0	31040736	32040736	0,062	10
DN48	PG48	49,7	63,8	14,0	102,5	82,3	31040848	32040848	0,095	10
DN 7	M12	6,9	17,2	10,0	44,5	42,8	31042012	32042012	0,009	50
DN 7	M16	7,0	17,2	10,0	46,5	42,8	31042016	32042016	0,009	50
DN 7	M20	7,0	17,2	10,0	47,5	42,8	31042020	32042020	0,009	50
DN10	M16	8,3	21,1	9,0	56,0	37,5	31042116	32042116	0,007	50
DN10	M20	10,0	21,1	9,0	58,0	37,5	31042120	32042120	0,008	50
DN12	M16	7,0	17,2	8,0	44,5	29,6	31042216	32042216	0,009	50
DN12	M20	12,0	23,9	9,0	59,0	41,2	31042220	32042220	0,009	50
DN17	M20	16,0	27,0	13,0	47,5	45,0	31042420	32042420	0,013	50
DN23	M25	20,3	35,0	14,0	65,5	54,0	31042525	32042525	0,026	30
DN29	M32	27,0	41,8	14,0	73,3	60,9	31042632	32042632	0,036	30
DN36	M40	33,5	51,0	14,0	86,3	70,0	31042740	32042740	0,061	10
DN48	M50	42,3	63,8	14,0	102,5	82,3	31042850	32042850	0,094	10

PA6		-25/+105°	54	OK

ETIM: EC001176



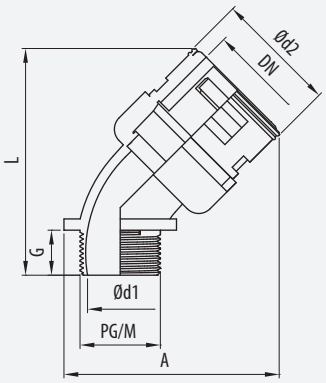
Racor RAP

RAP 45° Connector

Raccord Coudé RAP 45°

Racor RAP 45°





DN		Ød1	Ød2	G	L	A	RAL 7011	RAL 9005	kg/u	
DN10	M16	10,0	21,1	11,0	46,5	41,4	31120116	32120116	0,007	50
DN10	M20	9,9	21,1	11,0	46,5	44,7	31120120	32120120	0,008	50
DN12	M16	8,7	24,3	11,0	50,0	44,8	31120216	32120216	0,010	50
DN12	M20	11,9	24,3	11,0	50,0	44,8	31120220	32120220	0,010	50
DN17	M20	14,7	30,4	13,5	58,0	52,0	31120420	32120420	0,015	50
DN17	M25	16,7	30,4	13,5	58,0	54,5	31120425	32120425	0,015	50
DN23	M25	20,1	40,0	14,0	70,5	67,0	31120525	32120525	0,028	30
DN23	M32	22,1	40,0	14,0	70,5	67,3	31120532	32120532	0,028	30
DN29	M32	25,7	46,0	14,0	77,0	75,7	31120632	32120632	0,038	30
DN29	M40	28,6	46,0	14,0	77,0	77,0	31120640	32120640	0,038	30
DN36	M40	28,5	56,0	14,0	91,5	88,5	31120740	32120740	0,070	10
DN36	M50	35,7	56,0	14,0	91,5	91,3	31120750	32120750	0,070	10
DN48	M50	41,2	70,0	14,0	104,5	105,5	31120850	32120850	0,116	10
DN48	M63	49,0	70,0	14,0	104,5	110,0	31120863	32120863	0,102	10

PA6		-25/+105°	67	OK

ETIM: EC001176

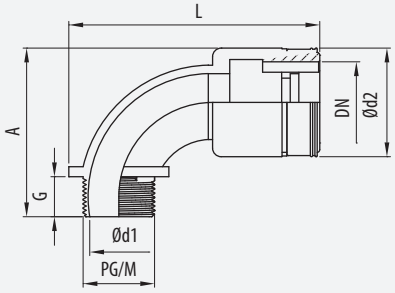
Racor RAP 90°

RAP 90° Connector

Raccord Coudé RAP 90°

Racor RAP 90°





DN		Ød1	Ød2	G	L	A	RAL 7011	RAL 9005	kg/u	
DN10	M16	9,9	21,1	11,0	56,0	37,6	31130116	32130116	0,007	50
DN10	M20	9,9	21,1	11,0	59,3	37,6	31130120	32130120	0,008	50
DN12	M16	8,7	24,3	11,0	59,3	41,0	31130216	32130216	0,011	50
DN12	M20	12,0	24,3	11,0	59,3	41,0	31130220	32130220	0,011	50
DN17	M20	14,7	30,4	13,0	68,5	48,2	31130420	32130420	0,017	50
DN17	M25	16,7	30,4	13,5	71,0	48,2	31130425	32130425	0,017	50
DN23	M25	20,1	40,0	14,0	87,8	59,0	31130525	32130525	0,027	30
DN23	M32	22,1	40,0	14,0	88,1	59,0	31130532	32130532	0,027	30
DN29	M32	25,7	46,0	14,0	98,0	66,0	31130632	32130632	0,046	30
DN29	M40	28,6	46,0	14,0	99,0	66,0	31130640	32130640	0,046	30
DN36	M40	28,3	56,0	14,0	110,4	78,0	31130740	32130740	0,083	10
DN36	M50	36,0	56,0	14,0	113,4	78,0	31130750	32130750	0,083	10
DN48	M50	41,2	70,0	14,0	129,5	91,5	31130850	32130850	0,122	10
DN48	M63	49,0	70,0	14,0	134,0	91,5	31130863	32130863	0,122	10

PA6		-25/+105°	67	OK

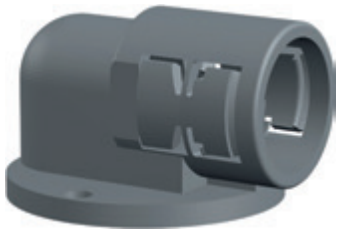
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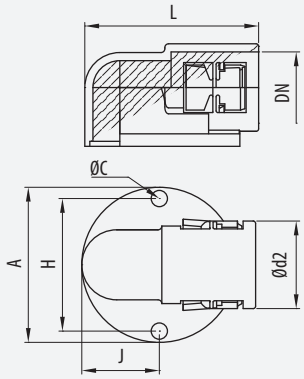
Racor AB 90°

AB 90° Connector

Raccord Soclé 90°

Racor AB 90°





DN	Ød2	L	A		RAL 7011	RAL 9005	kg/u	u
DN17	27,0	51,0	45		31050400	32050400	0,016	30
DN23	35,0	69,5	62		31050500	32050500	0,033	30
DN29	41,8	78,0	67		31050600	32050600	0,048	20
DN36	51,0	103,0	85		31050700	32050700	0,079	10
DN48	63,8	119,5	88		31050800	32050800	0,125	10

	M			IP	
	PA6		-25/+105°	54	OK

ETIM: EC001176

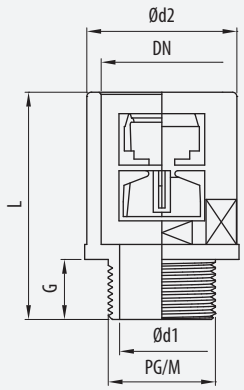
Racor REM

REM Connector

Raccord Droit REM

Racor REM





DN		Ød1	Ød2	G	L		RAL 7011	RAL 9005	kg/u	u
DN10	M16	10,8	21,0	12	37,0	15	31013116	32013116	0,009	30
DN10	M20	10,9	25,0	12	37,5	15	31013120	32013120	0,010	30
DN12	M16	10,8	21,0	12	37,5	17	31013216	32013216	0,014	30
DN12	M20	10,6	25,0	12	37,5	17	31013220	32013220	0,014	30
DN17	M20	15,4	27,5	12	40,0	24	31013420	32013420	0,020	30
DN17	M25	17,7	32,0	14	42,0	24	31013425	32013425	0,019	30
DN23	M25	19,7	36,0	14	53,0	32	31013525	32013525	0,037	30
DN23	M32	24,6	39,0	14	53,0	32	31013532	32013532	0,037	30
DN29	M32	25,7	42,0	14	54,0	38	31013632	32013632	0,053	20
DN29	M40	28,7	51,0	14	54,0	38	31013640	32013640	0,055	20
DN36	M50	35,7	60,5	18	63,0	46	31013750	32013750	0,104	10
DN48	M63	46,0	70,0	15,5	66,5	60	31013863	32013863	0,160	10

	M			IP	
	PA6+LN		-25/+105°	54	OK

ETIM: EC001176

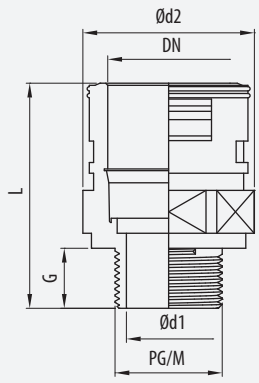
Racor RREM

RREM Connector

Raccord Droit RREM

Racor RREM





DN		Ød1	Ød2	G	L		RAL 7011	RAL 9005	kg/u	
DN10	M16	10,8	21,1	12,0	37,5	19	31102116	32102116	0,011	30
DN10	M20	10,9	25,0	12,0	38,0	19	31102120	32102120	0,009	30
DN12	M16	10,8	24,0	12,0	39,0	22	31102216	32102216	0,016	30
DN12	M20	10,6	25,0	12,0	39,0	22	31102220	32102220	0,017	30
DN17	M20	15,4	30,4	12,0	41,5	27	31102420	32102420	0,023	30
DN17	M25	17,7	32,0	14,0	43,5	27	31102425	32102425	0,024	30
DN23	M25	19,7	40,0	14,0	52,5	36	31102525	32102525	0,042	30
DN23	M32	24,6	40,0	14,0	52,5	36	31102532	32102532	0,042	30
DN29	M32	26,9	46,0	14,0	53,5	41	31102632	32102632	0,062	20
DN29	M40	29,0	46,5	14,0	53,5	41	31102640	32102640	0,061	20
DN36	M50	35,7	60,5	18,0	64,5	50	31102750	32102750	0,116	10
DN48	M63	46,0	73,0	15,5	69,0	65	31102848	32102863	0,155	10

	PA6+LN		-25/+105°	67	OK

ETIM: EC001176

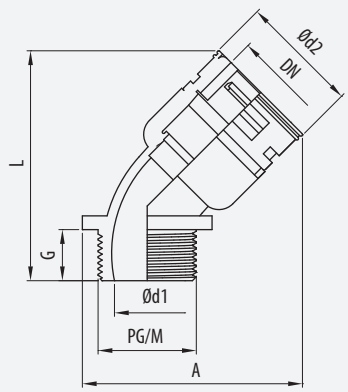
Racor RAM

RAM 45° Connector

Raccord Coudé RAM 45°

Racor RAM 45°





DN		Ød1	Ød2	G	L	A	RAL 7011	RAL 9005	kg/u	
DN10	M16	10,0	21,1	11,0	47,0	43,4	31121116	32121116	0,011	30
DN10	M20	9,9	21,1	11,0	47,0	43,4	31121120	32121120	0,011	30
DN12	M16	8,7	24,3	11,0	50,0	44,5	31121216	32121216	0,017	30
DN12	M20	11,9	24,3	12,0	51,0	43,7	31121220	32121220	0,017	30
DN17	M20	14,8	30,4	13,0	58,5	53,2	31121420	32121420	0,033	30
DN17	M25	16,7	30,4	13,0	58,5	56,0	31121425	32121425	0,033	30
DN23	M32	22,2	40,0	14,0	71,0	70,8	31121532	32121532	0,041	30
DN29	M32	23,2	46,0	14,0	77,6	76,2	31121632	32121632	0,017	20
DN29	M40	28,6	46,0	14,0	78,1	80,0	31121640	32121640	0,058	20
DN36	M40	28,4	56,0	14,0	91,7	88,5	31121740	32121740	0,101	10
DN36	M50	36,2	56,0	14,0	91,7	91,5	31121750	32121750	0,101	10
DN48	M63	49,7	70,0	14,0	105,5	111,2	31121863	32121863	0,156	10

	PA6+LN		-25/+105°	67	OK

ETIM: EC001176

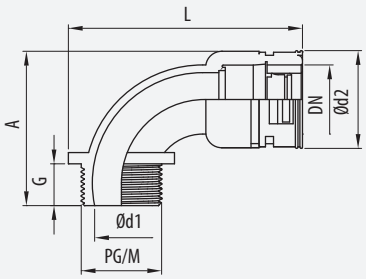
Racor RAM 90°

RAM 90° Connector

Raccord Coudé RAM 90°

Racor RAM 90°





DN		Ød1	Ød2	G	L	A	RAL 7011	RAL 9005	kg/u	
DN10	M16	10,0	21,1	11,0	58,0	38,1	31131116	32131116	0,012	30
DN10	M20	10,0	21,3	11,8	58,5	38,1	31131120	32131120	0,013	30
DN12	M16	8,7	24,3	11,0	59,6	41,0	31131216	32131216	0,017	30
DN12	M20	11,9	24,3	12,0	58,8	42,0	31131220	32131220	0,017	30
DN17	M20	14,8	30,4	13,0	70,0	48,2	31131420	32131420	0,026	30
DN17	M25	16,7	30,4	13,0	72,8	48,2	31131425	32131425	0,026	30
DN23	M32	22,2	40,0	14,0	91,9	59,0	31131532	32131532	0,044	30
DN29	M32	23,2	46,0	14,0	98,3	66,0	31131632	32131632	0,075	20
DN29	M40	28,6	46,0	14,0	102,0	66,5	31131640	32131640	0,071	20
DN36	M40	28,4	56,0	14,0	111,2	78,0	31131740	32131740	0,106	10
DN36	M50	36,2	56,0	14,0	116,2	78,0	31131750	32131750	0,106	10
DN48	M63	49,7	70,0	14,0	134,8	91,0	31131863	32131863	0,175	10

PA6+LN		-25/+105°	67	OK

ETIM: EC001176

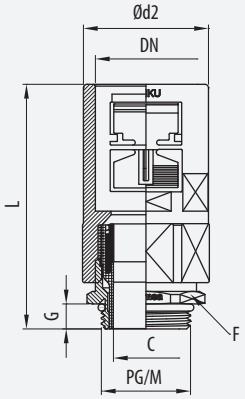
Racor RPM

RPM Connector

Raccord Presse-Étoupe RPM

Racor RPM





DN		Ød2	G	L		RAL 7011	RAL 9005	kg/u	
DN10	PG 9	24,8	6,0	50	17	31080109		0,021	30
DN12	PG11	27,0	6,0	51	20	31080211		0,037	30
DN12	PG13	30,0	6,5	52	22	31080213		0,045	30
DN17	PG16	33,6	6,5	58	24	31080416		0,051	30
DN23	PG21	37,0	7,0	68	30	31080521		0,070	30
DN29	PG29	54,0	8,0	73	40	31080629		0,120	20
DN36	PG36	57,0	8,0	83	50	31080736		0,190	10
DN48	PG48	72,0	10,0	93	64	31080848		0,360	10
DN 7	M12	17,8	5,0	51	14	31082012	32082012	0,014	30
DN10	M16	24,8	6,0	50	19	31082116	32082116	0,023	30
DN12	M16	27,0	6,0	50	19	31082216	32082216	0,033	30
DN12	M20	30,0	6,0	52	22	31082220	32082220	0,033	30
DN17	M20	33,6	6,0	55	24	31082420	32082420	0,039	30
DN23	M25	37,0	7,0	68	30	31082525	32082525	0,067	30
DN29	M32	51,0	8,0	73	40	31082632	32082632	0,125	30
DN36	M40	57,0	8,0	85	50	31082740	32082740	0,200	30
DN48	M63	72,0	10,0	93	64	31082863	32082863	0,359	30

PA6+LN		-25/+105°	54	OK

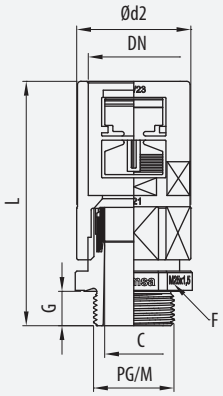
Racor RPP

RPP Connector

Raccord Presse-Étoupe RPP

Racor RPP





DN		Ød2	G	L		RAL 7011	RAL 9005	kg/u	
DN 7	PG 7	15,5	8	55	15	31070007		0,008	30
DN10	PG 9	21,7	8	53	19	31070109		0,011	30
DN12	PG11	24,8	8	54	22	31070211		0,014	30
DN12	PG13	27,0	9	57	24	31070213		0,016	30
DN17	PG16	30,4	10	63	27	31070416		0,023	30
DN23	PG21	35,5	11	73	33	31070521		0,039	30
DN29	PG29	47,5	11	82	42	31070629		0,102	20
DN36	PG36	59,8	13	93	53	31070736		0,106	10
DN48	PG48	73,0	14	102	65	31070848		0,149	10
DN 7	M12	15,5	8	55	15	31072012	32072012	0,006	30
DN10	M16	21,7	8	53	19	31072116	32072116	0,008	30
DN12	M16	24,8	8	57	22	31072216	32072216	0,011	30
DN12	M20	27,0	9	59	24	31072220	32072220	0,015	30
DN7	M20	30,4	9	63	27	31072420	32072420	0,017	30
DN23	M25	35,5	11	74	33	31072525	32072525	0,029	30
DN29	M32	47,5	11	82	42	31072632	32072632	0,044	20
DN36	M40	59,8	13	95	53	31072740	32072740	0,082	10
DN48	M63	73,0	14	102	65	31072863	32072863	0,12	10

PA6		-25/+105º	54	OK

ETIM: EC001176

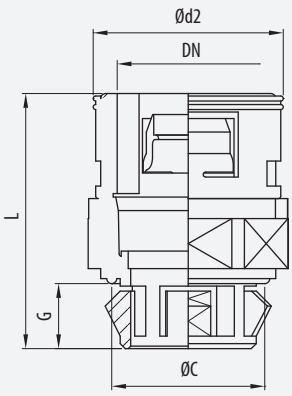
Racor PI

PI Connector

Raccord PI

Racor PI





DN	Ød2	G	L			RAL 7011	RAL 9005	kg/u	
DN10	21,2	11,5	38,0	19		31140109	32140109	0,006	50
DN12	24,0	11,5	39,0	22		31140211	32140211	0,006	50
DN17	30,4	12,0	42,0	27		31140416	32140416	0,011	50
DN23	40,0	12,5	52,0	36		31140521	32140521	0,022	30
DN29	46,0	16,5	57,5	41		31140629	32140629	0,030	30

PA6		-25/+105º	67	OK

ETIM: EC001176

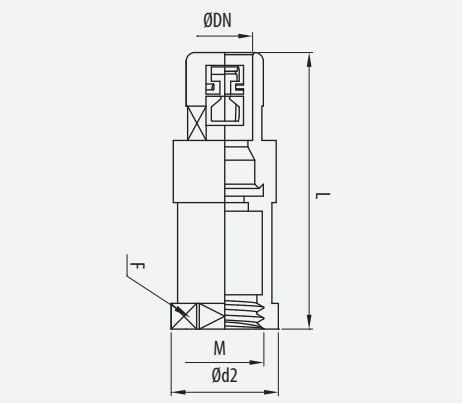
Racor AD

AD Connector

Raccord AD

Racor AD





DN		Cd2	L		RAL 7011	RAL 9005	kg/u	u
DN 7	M 8x1	17,2	53,5	12	39094208	39097208	0,005	50
DN 7	M12x1	17,2	53,5	15	39094412	39097412	0,005	50
DN 7	M18x1	25,0	53,5	22	39094518	39097518	0,007	50
DN10	M 8x1	24,2	64,5	12	39094608	39097608	0,009	50
DN10	M12x1	24,2	64,5	15	39094612	39097612	0,009	50
DN10	M18x1	25,0	64,8	22	39094618	39097618	0,011	50
DN10	M30x1,5	41,5	64,8	36	39094730	39097730	0,018	50

	M			IP	
	PA6		-25/+105º	54	OK

ETIM: EC001176

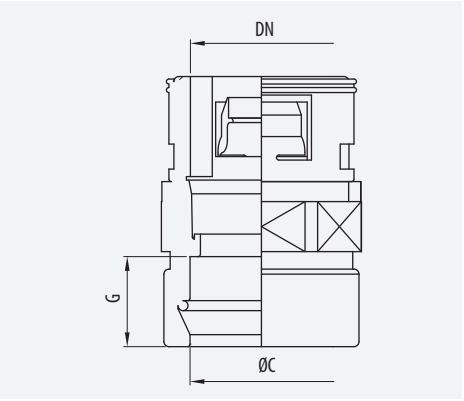
Racor AT

AT Connector

Raccord AT

Racor AT



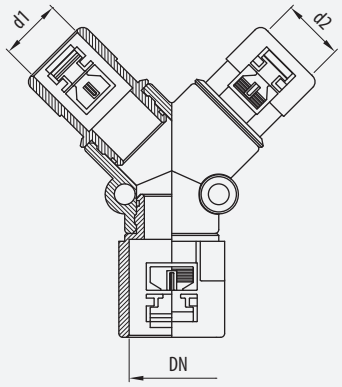


DN		G		RAL 7011	RAL 9005	kg/u	u
DN17	M20	15,0		31151420	32151420	0,034	30
DN17	M25	14,5		31151425	32151425	0,045	30
DN29	M32	19,0		31151632	32151632	0,060	20
DN36	M40	20,0		31151740	32151740	0,079	10

	M			IP	
	PA6 / LN		-25/+105º	67	OK

ETIM: EC001176

Derivación DY
DY Derivation
Dérivation DY
Derivação DY



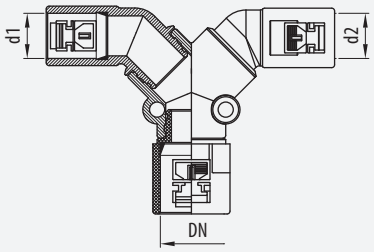
DN	Ød1	Ød2	RAL 7011	RAL 9005	kg/u	u
DN10	DN7	DN7	31060100	32060100	0,025	10
DN10	DN10	DN10	31060111	32060111	0,022	10
DN12	DN10	DN10	31060211	32060211	0,023	10
DN17	DN12	DN12	31060422	32060422	0,025	10
DN17	DN17	DN17	31060444	32060444	0,030	10
DN23	DN17	DN17	31060544	32060544	0,090	10

	M			IP	
	PA6		-25 / +105º	54	OK

ETIM:EC002922



Derivación DT
DT Derivation
Dérivation DT
Derivação DT



DN	Ød1	Ød2	RAL 7011	RAL 9005	kg/u	u
DN10	DN10	DN10	31065111	32065111	0,027	10
DN12	DN10	DN10	31065211	32065211	0,027	10
DN17	DN12	DN12	31065422	32065422	0,033	10
DN17	DN17	DN17	31065444	32065444	0,040	10
DN29	DN23	DN23	31065655	32065655	0,110	10
DN29	DN29	DN29	31065666	32065666	0,120	10

	M			IP	
	PA6		-25/+105º	54	OK

ETIM:EC002922



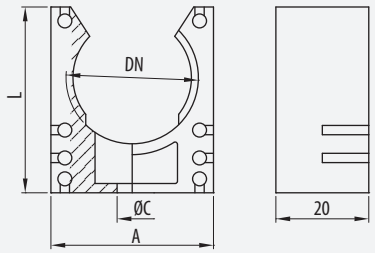


Soporte Tubo

Conduit Clips

Clip de Maintien

Suporte Tubo



DN	L	A	RAL 7011	RAL 9005	kg/u	
DN 7	18	20	31095000	32095000	0,004	100
DN10	23	20	31095100	32095100	0,005	100
DN12	26	22	31095200	32095200	0,006	50
DN14	33	28	31095300		0,007	50
DN17	33	28	31095400	32095400	0,008	50
DN23	40	35	31095500	32095500	0,012	50
DN29	45	43	31095600	32095600	0,011	30
DN36	53	54	31095700	32095700	0,016	20
DN48	66	68	31095800	32095800	0,020	20

	PA6		-25/+105º	OK

ETIM:EC002320

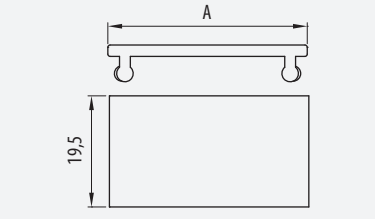


Tapa Soporte

Clip Lid

Couvercle Clip

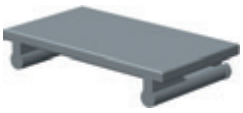
Tampa Suporte



DN	A	RAL 7011	RAL 9005	kg/u	
DN7/10	20	31096000	32096000	0,001	100
DN12	22	31096200	32096200	0,001	50
DN14/17	28	31096400	32096400	0,001	50
DN23	35	31096500	32096500	0,001	50
DN29	43	31096600	32096600	0,002	30
DN36	54	31096700	32096700	0,002	20
DN48	68	31096800	32096800	0,003	20

	PA6		-25/+105º	OK

ETIM:EC000455

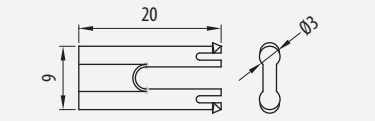


Clip Union

Joint Clip

Clip Fixation

Clip Fixação



	RAL 7011	RAL 9005	kg/u	
	31097500	32097500	0,001	100

	PA6		-25/+105º	OK

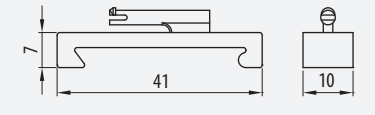


Clip Rail

Rail Clip

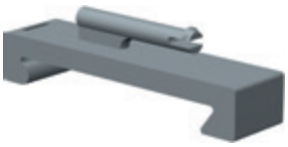
Clip Rail

Clip Perfil



	RAL 7011	RAL 9005	kg/u	
	31097000	32097000	0,002	50

	PA6		-25/+105º	OK

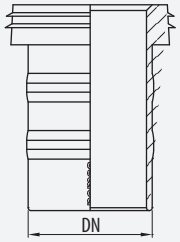


Terminal Protector

End Protector

Embout de Protection

Terminal Protector



DN		Ref	kg/u	
DN10		39098100	0,001	50
DN12		39098200	0,001	50
DN17		39098400	0,002	50
DN23		39098500	0,003	50
DN29		39098600	0,005	30
DN36		39098700	0,007	10
DN48		39098800	0,012	10

	PE		-25/+60º	OK

ETIM:EC000519

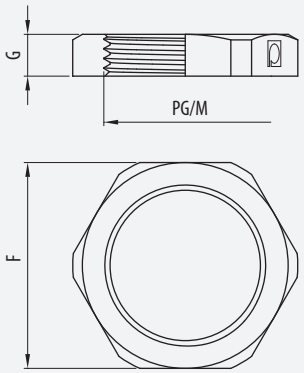


Tuerca TCP

TCP Nut

Ecrou TCP

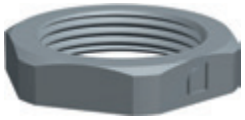
Porca TCP



	G		RAL 7001	RAL 9005	kg/u	
PG 7	5	19	40026007	40024007	0,001	100
PG 9	5	22	40026009	40024009	0,002	100
PG11	5	24	40026011	40024011	0,001	100
PG13	6	27	40026013	40024013	0,002	100
PG16	6	30	40026016	40024016	0,003	100
PG21	7	36	40026021	40024021	0,003	100
PG29	7	46	40026029	40024029	0,006	50
PG36	8	60	40026036	40024036	0,013	25
PG48	8	70	40026048	40024048	0,014	25
M12	5	18	40027120	40025120	0,001	100
M16	5	22	40027160	40025160	0,001	100
M20	6	26	40027200	40025200	0,002	100
M25	6	32	40027250	40025250	0,005	100
M32	7	41	40027320	40025320	0,005	50
M40	7	50	40027400	40025400	0,007	25
M50	8	60	40027500	40025500	0,010	25
M63	8	75	40027630	40025630	0,016	25

	PA6		-25/+105º	OK

ETIM:EC000129

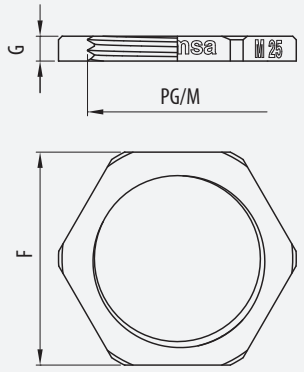


Tuerca TCM

TCM Nut

Ecrou TCM

Porca TCM



	G			LN	kg/u	
PG 7	2,8	15		40010007	0,002	100
PG 9	2,8	18		40010009	0,002	100
PG11	3,0	21		40010011	0,003	100
PG13	3,0	23		40010013	0,003	100
PG16	3,0	26		40010016	0,005	100
PG21	3,5	32		40010021	0,007	100
PG29	4,0	41		40010029	0,013	50
PG36	5,0	51		40010036	0,021	25
PG42	5,0	60		40010042	0,030	25
PG48	5,5	64		40010048	0,034	25
M12	2,8	15		40011120	0,002	100
M16	2,8	19		40011160	0,003	100
M20	3,0	24		40011200	0,004	100
M25	3,5	30		40011250	0,009	100
M32	4,0	36		40011320	0,011	50
M40	5,0	46		40011400	0,019	25
M50	5,0	60		40011500	0,026	25
M63	6,0	70		40011630	0,055	25

	LN		-45/+150º	OK

ETIM:EC000129



IDEA

Racor Giratorio

Swivel Connector

Racor Giratoire

Racor Giratório

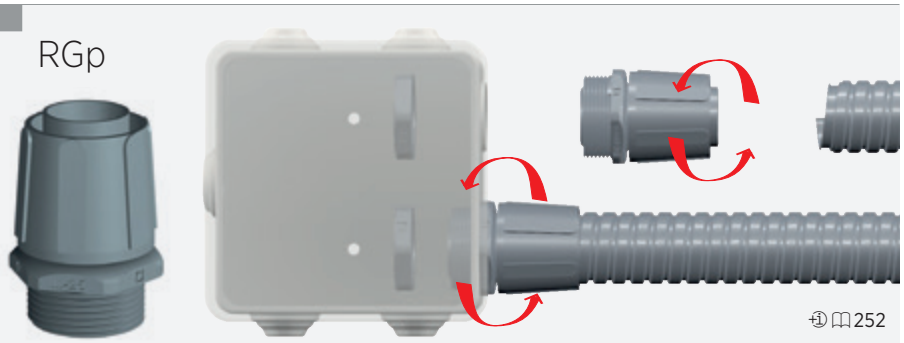
Facil instalación de Racor a Caja y tuerca

Easy fitting Connector to Box and nut

Installation facile des Raccords

Facil instalação de Racor a Caixa e porca

RGp



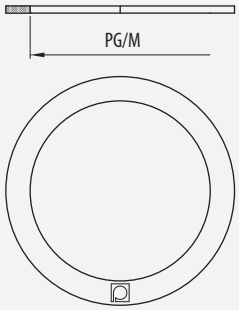
252

Junta Exterior

Flat Ring

Joint Plat

Junta Exterior



		RAL 5024	kg/u	
PG 7		39092007	0,001	100
PG 9		39092009	0,001	100
PG11		39092011	0,001	100
PG13		39092013	0,001	50
PG16		39092016	0,001	50
PG21		39092021	0,001	50
PG29		39092029	0,001	30
PG36		39092036	0,001	10
PG48		39092048	0,002	10
M12		39092112	0,000	50
M16		39092116	0,000	50
M20		39092120	0,001	50
M25		39092125	0,001	50
M32		39092132	0,001	30
M40		39092140	0,002	10
M50		39092150	0,003	10
M63		39092163	0,002	10

NBR		-25/+105º	67	OK

ETIM:EC000098



Junta Interior

Internal Joint

Joint Interieur

Junta Interior



DN		RAL 9010	kg/u	
DN7		39091000	0,001	50
DN10		39091100	0,001	50
DN12		39091200	0,001	50
DN17		39091400	0,001	50
DN23		39091500	0,001	30
DN29		39091600	0,001	30
DN36		39091700	0,001	10
DN48		39091800	0,001	10

PET		-25/+105º	67	OK

ETIM:EC000098



IDEA

Plastic RAL 7035



RLH

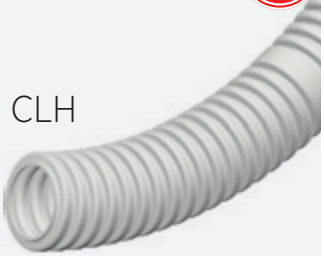
Gama completa
Gris claro RAL 7035

Full range
Light Grey RAL 7035

Gamme Complète
Gris clair RAL 7035

Gama completa
Cinza claro RAL 7035

CLH

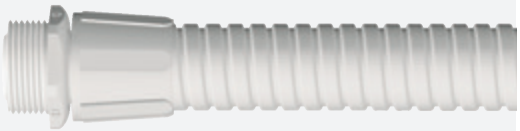


RPVC

TFA



TM-PVC



IEC 61386

230, 233

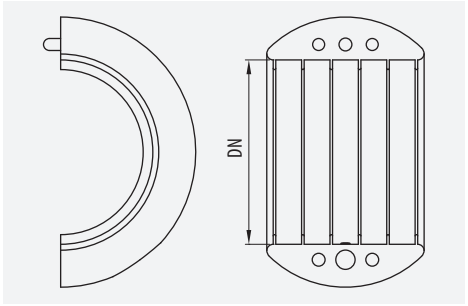
Protector de Tubo
Conduit Protector
Protecteur de Conduit
Protector de Tubo



DN	RAL 9005	kg/u	
DN36	33100036	0,049	10
DN48	33100048	0,06	10
DN52	33100052	0,073	10
DN70	33100070	0,132	10
DN90	33100090	0,239	10

PA12		-25/+90°	OK

ETIM: EC000127



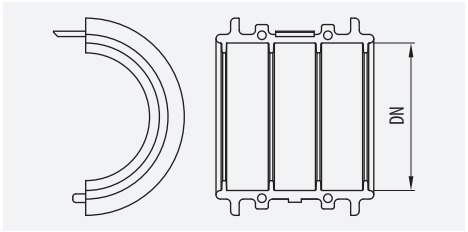
Soporte Medio
Medium Support
Support Moyein
Suporte Médio



DN	RAL 9005	kg/u	
DN29	33110029	0,010	25
DN36	33110036	0,043	10
DN48	33110048	0,035	10
DN52	33110052	0,027	10
DN70	33110070	0,027	10

PA12		-25/+90°	OK

ETIM: EC000127



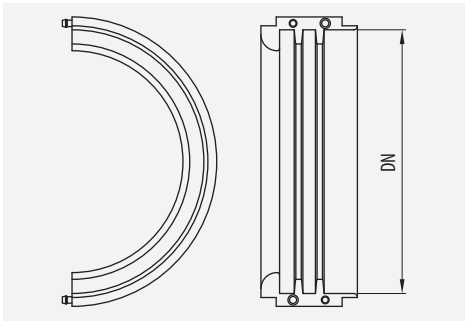
Soporte Final
Final Support
Support Final
Suporte Final



DN	RAL 9005	kg/u	
DN70	33110170	0,038	10

PA12		-25/+90°	OK

ETIM: EC000127

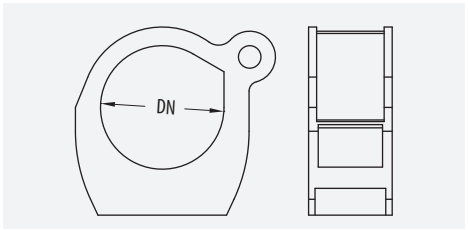


Abrazadera
Grip Clamp
Collier
Abraçadeira



DN	RAL 9005	kg/u	
DN52	33120052	0,075	10
DN70	33120070	0,175	10

PA12		-25/+90 °	OK



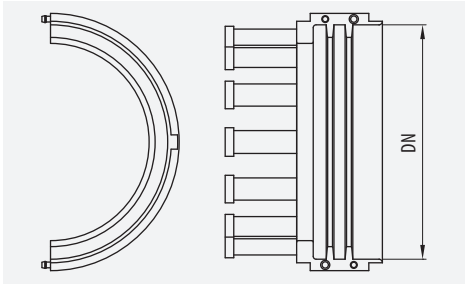
Abrazadera S
S Jaw Comb
Collier S
Abraçadeira S



DN	RAL 9005	kg/u	
DN70	33130070	0,001	10

PA12		-25/+90 °	OK

ETIM: EC000464

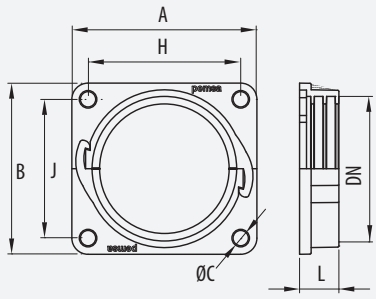


Racor Recto

Straight Connector

Embase Droit

Racor Recto



DN	L	A	RAL 7011	RAL 9005	kg/u	
DN52	17	74	33010052	33050052	0,022	10
DN70	21	103	33010070	33050070	0,023	10
DN95	28	130	33010095	33050095	0,043	10

PA6		-25/+105º	54	OK

ETIM: EC001176

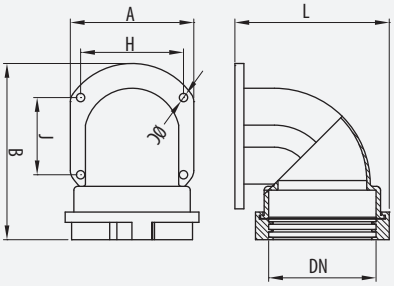


Angular Recto

Straight Angle

Raccord 90°

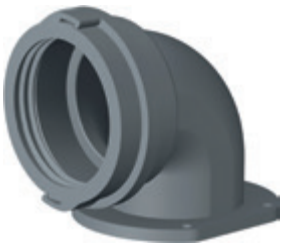
Racor 90°



DN	RAL 7011	RAL 9005	kg/u	
DN70	33020070	33060070	0,165	10
DN95	33020095	33060095	0,165	10

PA6		-25/+105º	OK

ETIM: EC000936

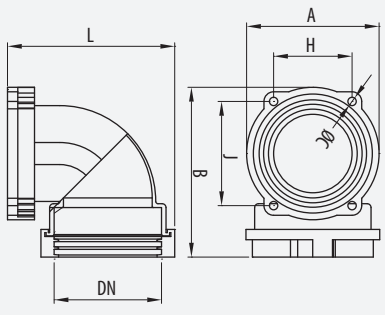


Angular Giratorio

Swivel Angle

Raccord 90° Giratoire

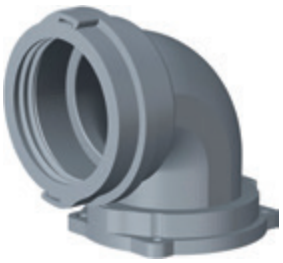
Racor 90° Giratório



DN	RAL 7011	RAL 9005	kg/u	
DN70	33030070	33070070	0,165	10
DN95	33030095	33070095	0,165	10

PA6		-25/+105º	OK

ETIM: EC000936

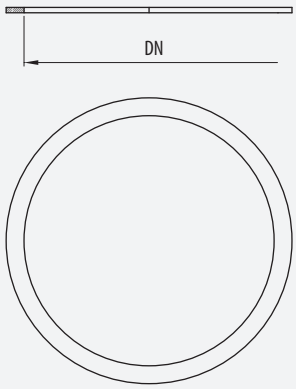


Junta de Estanqueidad I

Fibre Washer I

Joint Plat I

Junta de Estanquecidade I



DN		RAL 9005	kg/u	
DN70		33090070	0,001	10
DN95		33090095	0,001	10

	NBR		-25/+90°	65	OK

ETIM: EC000098

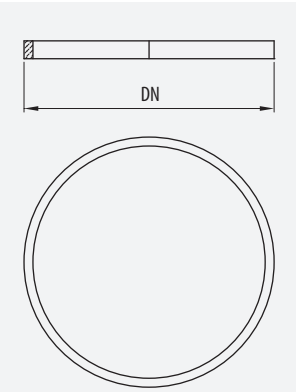


Junta de Estanqueidad II

Fibre Washer II

Joint Plat II

Junta de Estanquecidade II



DN		RAL 9005	kg/u	
DN70		33090170	0,001	10
DN95		33090195	0,001	10

	NBR		-25/+90°	65	OK

ETIM: EC000098

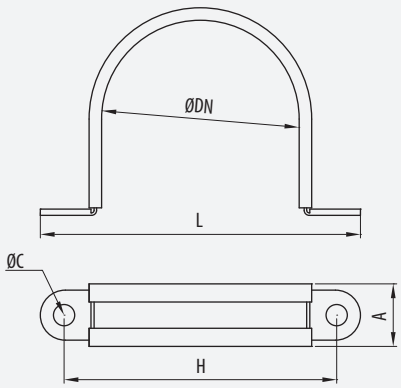


Abrazadera II

Clip II

Collier II

Abraçadeira II



DN	L	A	EZ	kg/u	
DN70	131	25	33090270	0,058	10
DN95	150	25	33090295	0,074	10

	AC+NBR		OK

ETIM: EC000464



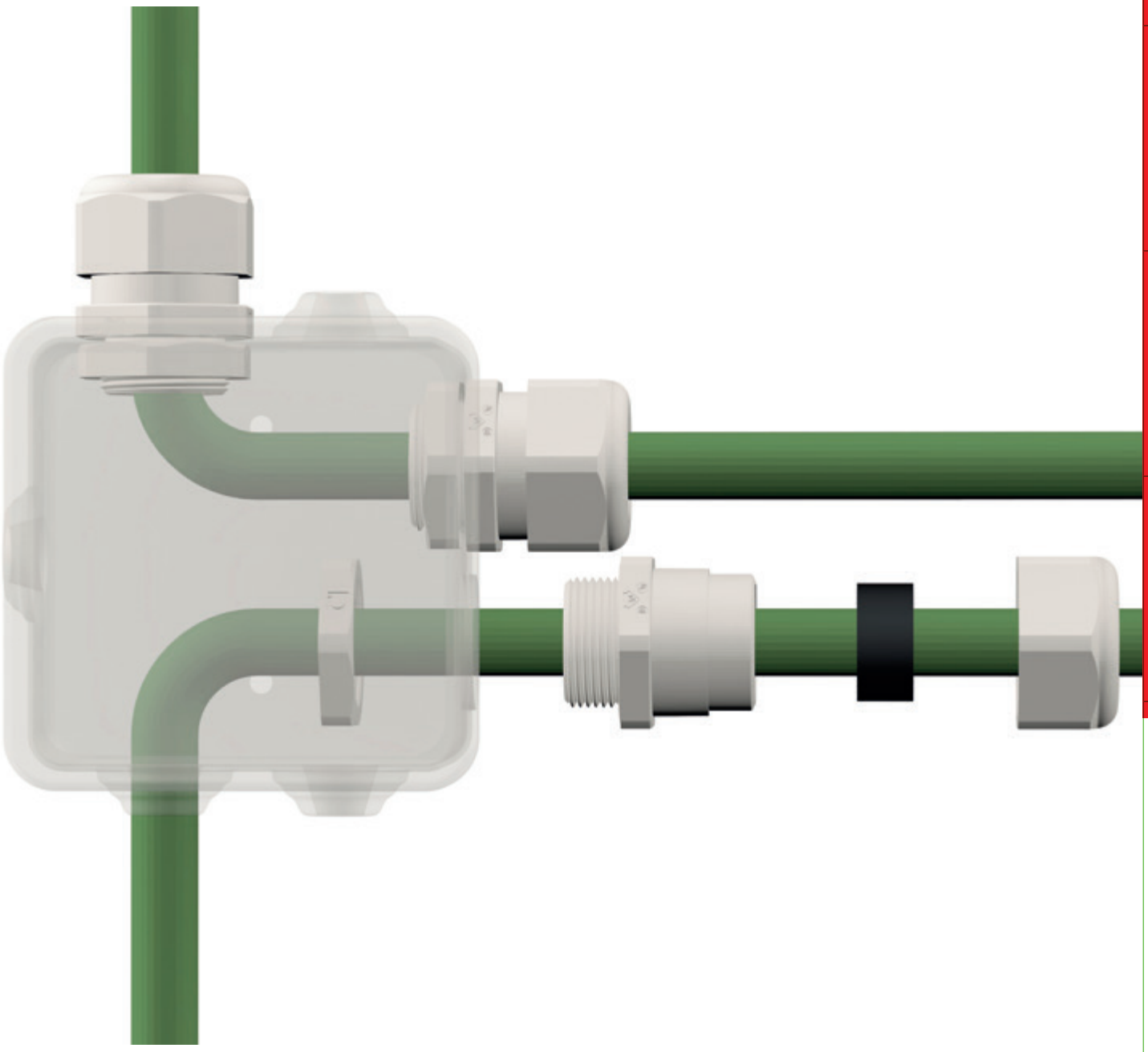
Prensaestopas

Prensaestopas plásticos y metálicos

Plastic and metal cable glands

Presse-Étoupes plastiques et metalliques

Bucins plásticos e metálicos



pemsa

Gama de Prensaestopas. Guía de selección

Cable Glands Range. Selection guide

Gamme de Presse-Étoupes. Guide de Selection

Gama de Bucins. Guia de seleção

Prensaestopas Plásticos / Plastic Cable Glands / Presse-Étoupes Plastiques / Bucins Plásticos

Denominación / *Ranges* / *Désignation* / *Designação* Prensaestopa / *Cable Gland* / *Presse-Étoupe* / *Bucim*	HEXADIN-P	IRIS-P IRIS-P LONG	IRIS-P FLEX IRIS-P FLEX LONG	IRIS-P IP Inserto Plano	IRIS-P IMC Inserto Multi cable	IRIS-P IA Inserto Abierto
						
Características / *Features* / *Caractéristiques* / *Características*						
	Poliamida / *Polyamide* / *Polyamide* / *Poliamida*					
Junta / *Joint*	TPV	TPV	TPV	TPV	TPV	TPV
M	M12-M40	M12-M63	M12-M25	M16-M32	M20-M25	M20-M25
PG	PG7-PG36	PG7-PG48	PG07-PG21	PG09-PG21	PG13-PG21	PG13-PG21
DN Ø	3,5 / 32	3,0 / 44,0	3,0 / 18	2x3 - 16x3 cables	5	5
	-20 ºC	-20 ºC	-20 ºC	-20 ºC	-20 ºC	-20 ºC
	+100 ºC	+100 ºC	+100 ºC	+100 ºC	+100 ºC	+100 ºC
	Buena/*Good*/*Bon*/*Bom*	Alta/*High*/*Haute*/*Alta*				
	OK	OK	OK	OK	OK	OK
	OK	OK	OK	OK	OK	OK
	OK	OK	OK	OK	OK	OK
	RAL 7035	RAL 7035 RAL 7031 RAL 9005	RAL 7035 RAL 7031 RAL 9005	RAL 7035 RAL 7031 RAL 9005	RAL 7035 RAL 7031 RAL 9005	RAL 7035 RAL 7031 RAL 9005
	IP54	IP68 - 5 bar	IP65	IP65	IP65	IP65
Homologaciones / Approvals / *Homologations* / *Homologações*						
	IEC 61386 RoHS II CE	IEC 61386 RoHS II CE UL	IEC 61386 RoHS II CE	IEC 61386 RoHS II CE	IEC 61386 RoHS II CE	IEC 61386 RoHS II CE
Aplicaciones / *Applications* / *Applications* / *Aplicações*						
Tertiary	●	●	●	●	●	●
Petrochemical Industry						
Railway app.		●	●	●	●	●
Energy		●	●	●	●	●
Photovoltaic/ Energy		●	●	●	●	●
Food Industry						
	282	282	283	284	284	285

Gama de Prensaestopas. Guía de selección

Cable Glands Range. Selection guide

Gamme de Presse-Étoupes. Guide de Selection

Gama de Bucins. Guia de Seleção

Prensaestopas Metálicos / Metal Cable Glands / Presse-Étoupes Metalliques / Bucins Metálicos

HEXADIN -M HEXADIN -M LONG	IRIS-M IRIS-M LONG	IRIS-M EMC	IRIS-M H.TEMP	IRIS-M XL	IRIS-M FLEX	IRIS-M IP-IMC-IA	IRIS-M INOX
							
Características / *Features* / *Caractéristiques* / *Características*							
Latón Niquelado / *Nickel-Plated Brass* / *Laiton Nickelé* / *Latão Niquelado*							**304**
Neopreno	NBR	TPV	SILICONE	TPV	TPV	TPV	TPV
M12-M63	M12-M63	M12-M63	M12-M63	M63-M90	M12-M32	M12-M63	M12-M63
PG7-PG36	PG7-PG36	PG07-PG48	PG07-PG48	-	PG07-PG21	PG09-PG29	PG07-PG48
4,0 / 46,0	3,0 / 48,0	3,5 / 44	3,5 / 44	45 / 70	4 / 18	7x13-14x45 mm 2x3/16x3 cables 5mm	3,5 / 44
-25ºC	-40ºC	-20 ºC	-60 ºC	-20 ºC	-20 ºC	-40ºC	-20 ºC
+60ºC	+100ºC	+100 ºC	+180ºC	+100ºC	+100ºC	+100ºC	+100OC
Alta/*High*/*Haute*/*Alta*	Muy Alta/*Very High*/*Très Haute*/*Muito Alta*	Alta / *High* / *Haute* /*Alta*					
OK	OK	OK	OK	OK	OK	OK	OK
OK	OK	OK	OK	OK	OK	OK	OK
	OK	OK	OK	OK	OK	OK	OK
Metal	Metal	Metal	Metal	Metal	Metal	Metal	Metal
IP54	IP68 - 5 bar	IP68 - 5 bar	IP68 - 5 bar	IP68 - 5 bar	IP68 - 5 bar	IP68 - 5 bar	IP68 - 5 bar
Homologaciones / Approvals / *Homologations* / *Homologações*							
IEC 61386 RoHS II CE	IEC 61386 RoHS II CE UL	IEC 61386 RoHS II CE	IEC 61386 RoHS II CE	IEC 61386 RoHS II CE	IEC 61386 RoHS II CE	IEC 61386 RoHS II CE	IEC 61386 RoHS II CE
Aplicaciones / *Applications* / *Applications* / *Aplicações*							
●	●	●	●			●	●
			●	●	●		
	●	●	●	●	●	●	●
	●	●	●	●	●	●	●
	●	●		●	●	●	●
				●	●		
285	286	287	287	288	288	289-290	290

pemsa

Gama de Prensaestopas. Guía de selección

Cable Glands Range. Selection guide

Gamme de Presse-Étoupes. Guide de Selection

Gama de Bucins. Guia de seleção

Prensaestopas Ventilados / Ventilated Cable Glands / Presse-étoupes Ventilés / Bucins Ventilados

Denominación / *Ranges* / *Désignation* / *Designação*	IRIS -P AIR	IRIS -M AIR IRIS-M AIR LONG	IRIS -M AIR INOX IRIS-M AIR INOX LONG	TPK AIR	TPM AIR	TPM AIR INOX
Prensaestopa / *Cable Gland* / *Presse-Étoupe* / *Bucim*						
Características / *Features* / *Caractéristiques* / *Caraterísticas*						
Ⓜ	Poliamida / *Polyamide* / *Polyamide* / *Poliamida*	Latón Niquelado / *Nickel-Plated Brass* / *Laiton Nickelé* / *Latão Niquelado*	AISI 304	Poliamida / *Polyamide* / *Polyamide* / *Poliamida*	Latón Niquelado / *Nickel-Plated Brass* / *Laiton Nickelé* / *Latão Niquelado*	AISI 304
Ⓜ Junta / *Joint*	TPV	TPV	TPV	NBR	NBR	NBR
M	M12-M16	M12-M20	M12-M16	M12	M12	M12
PG	PG07-PG09	PG07-PG13	PG07-PG13			
DN Ø	4 / 10	4 / 12	4 / 12	Intrusion a agua (mbar) 0.8, 0.5, 0.2, 0.1		
	-20 ºC	-20 ºC	-20 ºC	-20 ºC	-20 ºC	-20 ºC
	+100 ºC	+100 ºC	+100 ºC	+100 ºC	+100 ºC	+100 ºC
UV	Alta/*High*/*Haute*/*Alta*					
	70	70	70	16, 25, 150, 300	16, 25, 150, 300	16, 25, 150, 300
HF	OK	OK	OK			
	OK	OK	OK	OK	OK	OK
Ⓢ	RAL 7035 RAL 9005	Metal	Metal	RAL 7035	Metal	Metal
IP	IP68	IP68	IP68	IP68	IP68	IP68
Homologaciones / Approvals / *Homologations* / *Homologações*						
	IEC 61386 RoHS CE	IEC 61386 RoHS CE	IEC 61386 RoHS CE	IEC 61386 RoHS CE	IEC 61386 RoHS CE	IEC 61386 RoHS CE
Aplicaciones / *Applications* / *Applications* / *Aplicações*						
Tertiary				●	●	
Petrochemical Industry	●	●	●	●	●	●
Railway app.	●	●	●	●	●	●
Energy	●	●	●	●	●	●
Photovoltaic/ Energy	●	●	●	●	●	●
Food Industry	●	●	●			●
	291	291	291	292	292	292

Gama de Prensaestopas. Guía de selección
Cable Glands Range. Selection guide
Gamme de Presse-Étoupes. Guide de Selection
Gama de Bucins. Guia de Seleção

HSK Prensaestopas industriales / Industrial cable Glands / Presse-étoupes industrielles / Bucins industriais

Prensaestopas Metálicos / Metal Cable Glands / Presse-Étoupes Metalliques / Bucins Metálicos

HSK-K	HSK-K-EX	HSK-M	HSK-MZ	HSK-M-EX	HSK-M-EMV-D	HSK-INOX / HD	Denominación *Ranges Désignation Designação* / Prensaestopa *Cable Gland Presse-Étoupe Bucim*
							
Características / *Features* / *Caractéristiques* / *Características*							
Poliamida / *Polyamide* / *Polyamide* / *Poliamida*		Latón Niquelado / *Nickel-Plated Brass* / *Laiton Nickelé* / *Latão Niquelado*				304	Ⓜ
NBR	NBR	NBR	NBR	NBR	NBR	NBR	Ⓜ Junta / Joint
M12-M63	M12-M63	M12-M63	M12-M63	M12-M63	M12-M63	M12-M40	M
PG7-PG48	PG7-PG48	PG7-PG48		PG7-PG48			PG
3,0 / 44,0	3,0 / 44,0	3,0 / 44,0	3,0 / 44,0	3,0 / 44,0	3,0 / 44,0	3,0 / 32,0	DN Ø
-40ºC	-40ºC	-40ºC	-40ºC	-40ºC	-40ºC	-40ºC	
+100ºC	+100ºC	+100ºC	+100ºC	+100ºC	+100ºC	+100ºC	
Muy Alta / *Very High* / *Très Haute* / *Muito Alta*							UV
VO according to UL94	VO according to UL94	VO according to UL94	VO according to UL94	VO according to UL94	VO according to UL94	VO according to UL94	
OK	OK	OK	OK	OK	OK	OK	HF
OK	OK	OK	OK	OK	OK	OK	
RAL 7035 RAL 9005	RAL 5012 RAL 9005	Metal	Metal	Metal	Metal	Metal	Ⓢ
IP68 (10 bares)	IP68 (10 bares)	IP68 (10 bares)	IP68 (10 bares)	IP68 (10 bares)	IP68 (10 bares)	IP68 (10 bares)	IP
Homologaciones / Approvals / *Homologations* / *Homologações*							
IEC 61386 RoHS II CE	IEC 61386 RoHS II CE	IEC 61386 RoHS II CE	IEC 61386 RoHS II CE	IEC 61386 RoHS II CE	IEC 61386 RoHS II CE	IEC 61386 RoHS II CE	
Aplicaciones / *Applications* / *Applications* / *Aplicações*							
		●					Tertiary
●	●		●	●	●	●	Petrochemical Industry
●			●		●		Railway app.
●			●	●	●	●	Energy
●		●					Photovoltaic/ Energy
						●	Food Industry
293	294	294	295	295	296	296	

Prensaestopas HEXADIN-P

HEXADIN-P Cable Gland

Presse-Étoupe HEXADIN-P

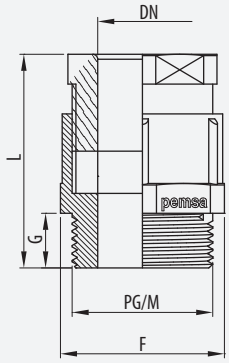
Bucim HEXADIN-P



DN		G	L		RAL 7035	kg/u	
3,5/ 6	PG 7	8	29	15	20010007	0,004	50
4,5/ 7	PG 9	8	30	19	20010009	0,006	50
6/ 9	PG11	8	30	22	20010011	0,008	50
9/12	PG13	9	35	24	20010013	0,009	50
11/14	PG16	10	38	27	20010016	0,011	50
14/18	PG21	11	43	33	20010021	0,019	50
18/25	PG29	11	46	42	20010029	0,034	25
25/32	PG36	13	62	53	20010036	0,061	10
3,5/ 6	M12	8	29	15	20011120	0,004	50
4,5/ 7	M16	8	30	19	20011160	0,006	50
6/ 9	M16	8	30	22	20011161	0,008	50
9/12	M20	9	35	24	20011200	0,009	50
11/14	M20	10	38	27	20011201	0,011	50
14/18	M25	11	43	33	20011250	0,019	50

PA6+NBR		-25º/+60º	54	OK	

ETIM:EC000441



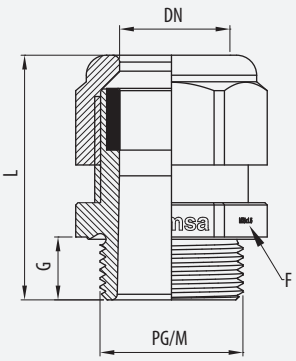
Prensaestopas IRIS-P

IRIS-P Cable Gland

Presse-Étoupe IRIS-P

Bucim IRIS-P





DN		G	L		RAL 7035	RAL 7001	RAL 9005	kg/u	
3/6,5	PG 7	8	32	15	21040007	21060007	21050007	0,003	50
4/ 8	PG 9	8	36	19	21040009	21060009	21050009	0,005	50
5/10	PG11	8	37	22	21040011	21060011	21050011	0,008	50
6/12	PG13	9	38	24	21040013	21060013	21050013	0,010	50
10/14	PG16	9	42	27	21040016	21060016	21050016	0,013	50
13/18	PG21	11	49	33	21040021	21060021	21050021	0,021	50
18/25	PG29	11	52	42	21040029	21060029	21050029	0,036	25
22/32	PG36	13	64	53	21040036	21060036	21050036	0,064	10
30/38	PG42	13	66	60	21040042	21060042	21050042	0,078	5
34/44	PG48	14	69	65	21040048	21060048	21050048	0,089	5
3/ 6,5	M12	8	32	15	21041120	21061120	21051120	0,003	50
4/ 8	M16	8	36	19	21041160	21061160	21051160	0,006	50
5/10	M16	10	39	22	21041161	21061161	21051161	0,006	50
6/12	M20	10	39	24	21041200	21061200	21051200	0,010	50
10/14	M20	10	43	27	21041201	21061201	21051201	0,010	50
13/18	M25	10	48	33	21041250	21061250	21051250	0,021	50
18/25	M32	10	51	42	21041320	21061320	21051320	0,039	25
22/32	M40	10	61	53	21041400	21061400	21051400	0,078	10
32/38	M50	18	71	60	21041500	21061500	21051500	0,100	5
37/44	M63	18	73	70	21041630	21061630	21051630	0,140	5

PA 6+TPV		-20º/+100º	68	OK

ETIM:EC000441

IDEA

Poliamida

Polyamide

Polyamide

Poliamida

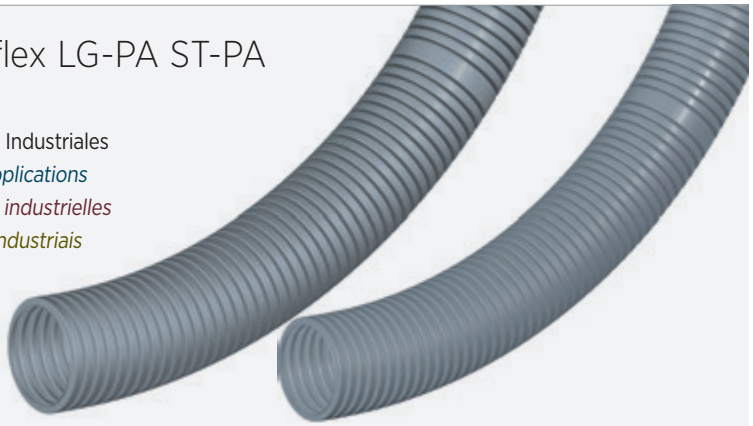
Pemsaflex LG-PA ST-PA

Aplicaciones Industriales

Industrial Applications

Applications industrielles

Aplicações Industriais



IEC 61386 PA6

224

Prensaestopas IRIS-P Long

IRIS-P Long Cable Gland

Presse-Étoupe IRIS-P Long

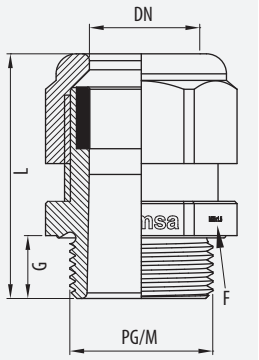
Bucim IRIS-P Long



DN		G	L		RAL 7035	kg/u	
3/6,5	PG7	24	15	15	21044007	0,004	100
4/8	PG9	28	15	19	21044009	0,007	100
5/10	PG11	29	15	22	21044011	0,008	100
6/12	PG13	29	15	24	21044013	0,010	100
10/14	PG16	33	15	27	21044016	0,013	100
13/18	PG21	38	15	33	21044021	0,022	50
3/6,5	M12	24	15	15	21045120	0,005	100
4/8	M16	28	15	19	21045160	0,011	100
5/10	M16	29	15	22	21045161	0,009	100
6/12	M20	29	15	24	21045200	0,011	100
10/14	M20	33	15	27	21045201	0,014	100
13/18	M25	38	15	33	21045250	0,022	50
18/25	M32	41	18	42	21045320	0,038	25
22/32	M40	51	18	53	21045400	0,070	10

	PA 6+TPV		-20°/+100°	68	OK

ETIM:EC000441

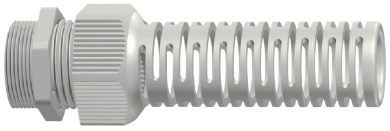


Prensaestopas IRIS-P FLEX

IRIS-P FLEX Cable Gland

Presse-Étoupe IRIS-P FLEX

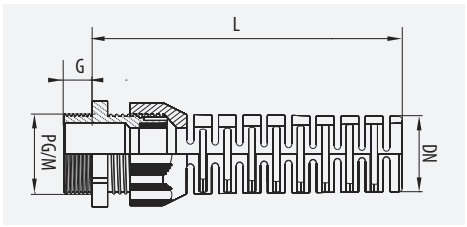
Bucim IRIS-P FLEX



DN		G	L		RAL 7035	RAL 9005	kg/u	
3/6,5	PG7	57	8	15	21046007	21056007	0,004	100
4/8	PG9	70	8	19	21046009	21056009	0,007	100
5/10	PG11	81	8	22	21046011	21056011	0,011	100
6/12	PG13	89	9	24	21046013	21056013	0,014	100
10/14	PG16	107	9	27	21046016	21056016	0,021	100
13/18	PG21	124	11	33	21046021	21056021	0,034	50
3/6,5	M12	57	8	15	21047120	21057120	0,004	100
4/8	M16	70	8	19	21047160	21057160	0,008	100
5/10	M16	81	10	22	21047161	21057161	0,011	100
6/12	M20	89	10	24	21047200	21057200	0,015	100
10/14	M20	107	10	27	21047201	21057201	0,020	100
13/18	M25	124	10	33	21047250	21057250	0,035	50

	PA 6+TPV		-20°/+100°	68	OK

ETIM:EC000441

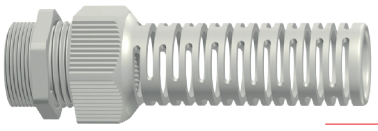


Prensaestopas IRIS-P FLEX Long

IRIS-P FLEX Long Cable Gland

Presse-Étoupe IRIS-P FLEX Long

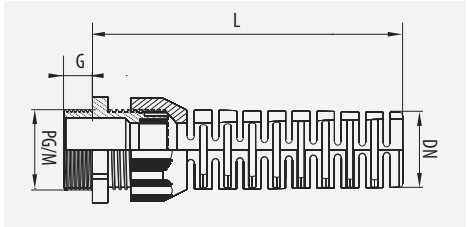
Bucim IRIS-P FLEX Long



DN		G	L		RAL 7035	RAL 9005	kg/u	
3/6,5	PG7	57	15	15	21048007	21058007	0,006	100
4/8	PG9	70	15	19	21048009	21058009	0,009	100
5/10	PG11	81	15	22	21048011	21058011	0,011	100
6/12	PG13	89	15	24	21048013	21058013	0,017	100
10/14	PG16	107	15	27	21048016	21058016	0,023	100
13/18	PG21	124	15	33	21048021	21058021	0,037	50
3/6,5	M12	57	15	15	21049120	21059120	0,006	100
4/8	M16	70	15	19	21049160	21059160	0,009	100
5/10	M16	81	15	22	21049161	21059161	0,012	100
6/12	M20	89	15	24	21049200	21059200	0,016	100
10/14	M20	107	15	27	21049201	21059201	0,022	100
13/18	M25	124	15	33	21049250	21059250	0,037	50

	PA 6+TPV		-20°/+100°	68	OK

ETIM:EC000441



Prensaestopas IRIS-P IP Inserto Plano

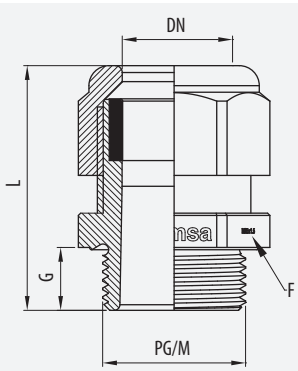
IRIS-P IP Flat Insert Gland

Presse-Étoupe IRIS-P IP

Bucim IRIS-P IP







			G	L		RAL 7035	RAL 9005	RAL 7001	kg/u	
7	13	PG16	9	42	27	21140016	21150016	21160016	0,015	50
7	15	PG21	11	49	33	21140021	21150021	21160021	0,024	50
8	22	PG29	11	52	42	21140029	21150029	21160029	0,046	25
10	28	PG36	13	64	53	21140036	21150036	21160036	0,076	10
12	33	PG42	13	66	60	21140042	21150042	21160042	0,092	5
14	45	PG48	14	69	65	21140048	21150048	21160048	0,105	5
7	13	M20	10	43	27	21141201	21151201	21161201	0,012	50
7	15	M25	10	48	33	21141250	21151250	21161250	0,024	50
8	22	M32	10	51	42	21141320	21151320	21161320	0,049	25
10	28	M40	10	61	53	21141400	21151400	21161400	0,09	10
12	33	M50	18	71	60	21141500	21151500	21161500	0,114	5
14	45	M63	18	73	70	21141630	21151630	21161630	0,156	5

PA 6+TPV		-20°/+100°	65	OK

ETIM:EC000441

Prensaestopas IRIS-P IMC Inserto MultiCable

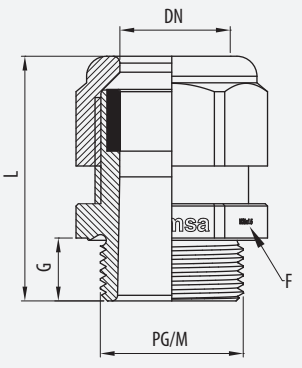
IRIS-P IMC Multicable Insert Gland

Presse-Étoupe IRIS-P Insert IMC Multi Cable

Bucim IRIS-P IMC Inserçao Multi Cabo







PA 6+TPV		-20°/+100°	65	OK

ETIM:EC000441

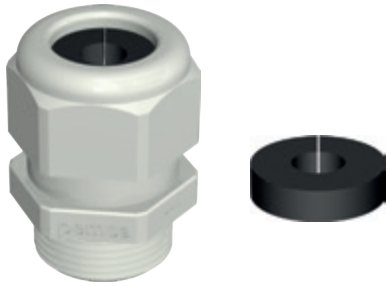
			G	L		RAL 7035	RAL 9005	RAL 7001	kg/u	
2	3	PG 9	8	36	19	21240009	21250009	21260009	0,006	50
2	4	PG11	8	37	22	21240011	21250011	21260011	0,009	50
2	3	M16	8	36	19	21241160	21251160	21261160	0,007	50
2	4	M16	10	39	22	21241161	21251161	21261161	0,007	50
2	5	PG11	8	37	22	21340011	21350011	21360011	0,009	50
2	6	PG13	9	38	24	21340013	21350013	21360013	0,011	50
2	7	PG16	9	42	27	21340016	21350016	21360016	0,015	50
2	9	PG21	11	49	33	21340021	21350021	21360021	0,024	50
2	5	M16	10	39	22	21341161	21351161	21361161	0,007	50
2	6	M20	10	39	24	21341200	21351200	21361200	0,011	50
2	7	M20	10	43	27	21341201	21351201	21361201	0,012	50
2	9	M25	10	48	33	21341250	21351250	21361250	0,024	50
3	3	PG 9	8	36	19	21440009	21450009	21460009	0,006	50
3	7	PG21	11	49	33	21440021	21450021	21460021	0,024	50
3	3	M16	8	36	19	21441160	21451160	21461160	0,007	50
3	7	M25	10	48	33	21441250	21451250	21461250	0,024	50
3	5	PG11	8	37	22	21540011	21550011	21560011	0,009	50
3	5	PG13	9	38	24	21540013	21550013	21560013	0,011	50
3	6	PG16	9	42	27	21540016	21550016	21560016	0,015	50
3	8	PG21	11	49	33	21540021	21550021	21560021	0,024	50
3	5	M16	10	39	22	21541161	21551161	21561161	0,007	50
3	5	M20	10	39	24	21541200	21551200	21561200	0,011	50
3	6	M20	10	43	27	21541201	21551201	21561201	0,012	50
3	8	M25	10	48	33	21541250	21551250	21561250	0,024	50
4	9	PG29	11	52	42	21440029	21450029	21460029	0,044	25
4	9	M32	10	51	42	21441320	21451320	21461320	0,047	25
4	3	PG 9	8	36	19	21640009	21650009	21660009	0,006	50
4	5	PG16	9	42	27	21640016	21650016	21660016	0,015	50
4	7	PG21	11	49	33	21640021	21650021	21660021	0,024	50
4	3	M16	8	36	19	21641160	21651160	21661160	0,007	50
4	5	M20	10	43	27	21641201	21651201	21661201	0,012	50
4	7	M25	10	48	33	21641250	21651250	21661250	0,024	50
8	4	PG21	11	49	33	21840021	21850021	21860021	0,024	50
8	4	M25	10	48	33	21841250	21851250	21861250	0,024	50
16	3	PG29	11	52	42	21840029	21850029	21860029	0,046	25
16	3	M32	10	51	42	21841320	21851320	21861320	0,049	25

Prensaestopas IRIS-P IA Inserto Abierto

IRIS-P IA Open Insert Gland

Presse-Étoupe IRIS-P IA Insert Ouvert

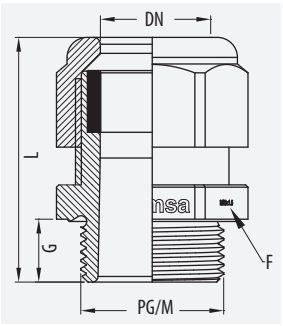
Bucim IRIS-P IA Inserção aberta



		G	L		RAL 7035	RAL 9005	RAL 7001	kg/u	
5	PG13	9	38	24	21940013	21950013	21960013	0,012	50
5	PG16	9	42	27	21940016	21950016	21960016	0,015	50
5	PG21	11	49	33	21940021	21950021	21960021	0,025	50
5	M20	10	39	24	21941200	21951200	21961200	0,012	50
5	M25	10	48	33	21941250	21951250	21961250	0,025	50

	PA 6+TPV		-20°/+100°	65	OK

ETIM:EC000441



Prensaestopas PM DIN46320

PM DIN46320 Cable Gland

Presse-Étoupe PM DIN46320

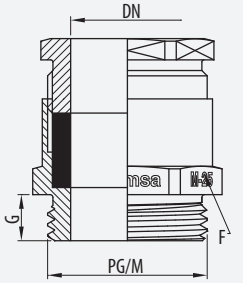
Bucim PM DIN46320



DN		G		LN	kg/u	
6 / 8	PG 7	5,0	14	20050007	0,009	50
4/10	PG 9	6,0	18	20050009	0,013	50
6,5/12	PG11	6,0	20	20050011	0,018	50
6,5/13,5	PG13	6,5	22	20050013	0,024	50
6,5/16	PG16	6,5	24	20050016	0,029	50
9/20	PG21	7,0	30	20050021	0,045	25
17/28	PG29	8,0	40	20050029	0,085	25
23/34	PG36	9,0	50	20050036	0,137	10
35/46	PG48	10,0	64	20050048	0,278	5
5/ 7	M12	7,0	14	20051120	0,013	50
4/ 9,5	M16	7,0	18	20051160	0,018	50
6/13	M20	7,0	22	20051200	0,024	50
6/15	M25	8,0	27	20051250	0,029	50
9/20	M32	8,5	33	20051320	0,045	25
15/27	M40	8,5	40	20051400	0,085	10
21/33	M50	9,5	50	20051500	0,137	5
30/45	M63	10,5	65	20051630	0,278	5

LN+NBR		-25°/+60°	54	OK

ETIM:EC000441



Prensaestopas PML DIN46320

PML DIN46320 Cable Gland

Presse-Étoupe PML DIN46320

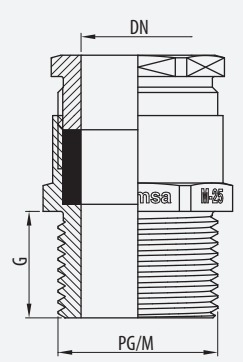
Bucim PML DIN46320



DN		G		LN	kg/u	
6/8	PG 7	15,0	14	20060007	0,011	50
4/10	PG 9	15,0	18	20060009	0,016	50
6,5/12	PG11	15,0	20	20060011	0,024	50
6,5/13	PG13	15,0	22	20060013	0,028	50
6,5/16	PG16	15,0	24	20060016	0,036	50
9/20	PG21	15,0	30	20060021	0,054	25
17/28	PG29	15,0	40	20060029	0,101	25
23/34	PG36	15,0	50	20060036	0,153	10
35/46	PG48	15,0	64	20060048	0,305	5

LN+NBR		-25°/+60°	54	OK

ETIM:EC000441



Prensaestopas IRIS-M

IRIS-M Cable Gland

Presse-Étoupe IRIS-M

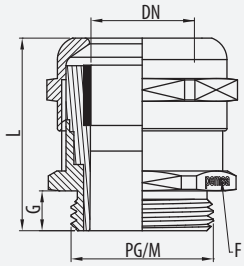
Bucim IRIS-M



DN		G	L		LN	kg/u	
3/ 6,5	PG 7	6,0	28,0	14	21030007	0,017	50
4/ 8	PG 9	6,0	29,0	17	21030009	0,024	50
5/10	PG11	6,0	30,5	20	21030011	0,027	50
6/12	PG13	6,5	33,0	22	21030013	0,030	50
10/14	PG16	6,5	34,5	24	21030016	0,037	50
13/18	PG21	7,0	38,5	30	21030021	0,057	50
18/25	PG29	8,0	46,0	40	21030029	0,120	25
22/32	PG36	10,0	53,0	50	21030036	0,202	10
30/38	PG42	12,0	59,0	57	21030042	0,235	5
34/44	PG48	14,0	62,0	64	21030048	0,347	5
3/ 6,5	M12	6,0	28,0	14	21031120	0,015	50
4/ 8	M16	7,0	30,0	18	21031160	0,025	50
6/12	M20	8,0	45,0	22	21031200	0,041	50
10/14	M25	8,0	36,0	27	21031250	0,056	25
13/18	M32	9,0	40,5	34	21031320	0,098	25
18/25	M40	9,0	47,0	43	21031400	0,155	10
22/32	M50	9,0	52,0	55	21031500	0,286	5
34/44	M63	14,0	62,0	68	21031630	0,390	5

	LN+NBR		-20°/+100°	68	OK

ETIM:EC000441



Prensaestopas IRIS-M Long

IRIS-M Long Cable Gland

Presse-Étoupe IRIS-M Long

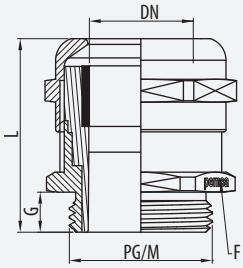
Bucim IRIS-M Long



DN		L	G		LN	
3/6,5	PG7	22,0	10	25	21036007	100
4/8	PG9	23,0	10	27	21036009	50
5/10	PG11	24,5	10	28	21036011	50
6/12	PG13	26,5	10	29.5	21036013	50
10/14	PG16	28,0	10	30.5	21036016	50
13/18	PG21	31,5	12	32	21036021	25
18/25	PG29	38,0	12	39	21036029	20
22/32	PG36	43,0	14	47	21036036	10
30/38	PG42	47,0	18	49	21036042	5
34/44	PG48	48,0	18	52	21036048	5
3/6,5	M12	34,0	12	14	21037120	100
4/8	M16	35,0	12	18	21037160	50
6/12	M20	38,5	12	22	21037200	50
10/14	M25	40,0	12	27	21037250	25
13/18	M32	45,5	14	34	21037320	20
18/25	M40	52,0	14	43	21037400	10
22/32	M50	57,0	14	55	21037500	5
34/44	M63	66,0	18	68	21037630	5

	LN+TPV		-20°/+100°	68	OK

ETIM:EC000441



IDEA

Tubos Rígidos Metálicos

Metal Rigid Conduits

Conduits Rigides Metalliques

Tubos Rígidos Metálicos

Metal RL - RR

EZ

cod. 5557

Alta Resistencia mecánica

High Mechanical Resistance

Haute Résistance Mécanique

Alta Resistência mecánica



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Prensaestopas IRIS-M EMC

IRIS-M EMC Cable Gland

Presse-Étoupe IRIS-M EMC

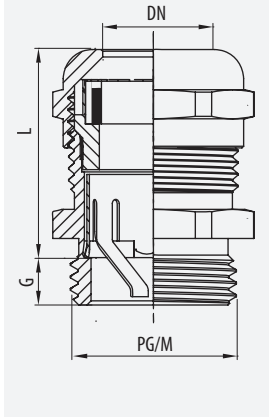
Bucim IRIS-M EMC



DN		L	G		LN	kg/u	
3/6,5	PG7	22	10	25	21034007	0,017	100
4/8	PG9	23	10	27	21034009	0,019	50
5/10	PG11	24,5	10	28	21034011	0,025	50
6/12	PG13	26,5	10	29.5	21034013	0,030	50
10/14	PG16	28	10	30.5	21034016	0,037	50
13/18	PG21	31,5	12	32	21034021	0,063	25
18/25	PG29	38	12	39	21034029	0,120	20
22/32	PG36	43	14	47	21034036	0,234	10
30/38	PG42	47	18	49	21034042	0,253	5
34/44	PG48	48	18	52	21034048	0,347	5
3/6,5	M12	22	6	14	21035120	0,013	100
4/8	M16	23	7	18	21035160	0,019	50
6/12	M20	26,5	8	22	21035200	0,027	50
10/14	M25	28	8	27	21035250	0,042	25
13/18	M32	31,5	9	36	21035320	0,073	20
18/25	M40	38	9	46	21035400	0,146	10
22/32	M50	43	9	55	21035500	0,257	5
34/44	M63	48	14	70	21035630	0,398	5

	LN+NBR		-20°/+100°	68	OK

ETIM:EC000441



Prensaestopas IRIS-M Alta Temperatura

IRIS-M High Temperature

Presse-Étoupe IRIS-M Haute Temperature

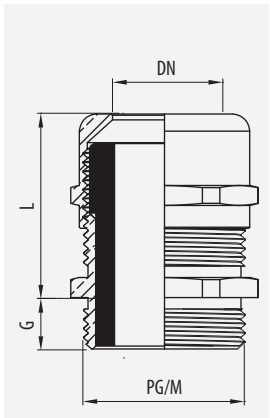
Bucim IRIS-M Alta Temperatura



DN		L	G		LN	kg/u	
3/6,5	PG7	22	6	14	21038007	0,013	100
4/8	PG9	23	6	17	21038009	0,017	50
5/10	PG11	24,5	6	20	21038011	0,023	50
6/12	PG13	26,5	6,5	22	21038013	0,030	50
10/14	PG16	28	6,5	24	21038016	0,033	50
13/18	PG21	31,5	7	30	21038021	0,055	25
18/25	PG29	38	8	40	21038029	0,116	20
22/32	PG36	43	10	50	21038036	0,199	10
30/38	PG42	47	12	57	21038042	0,233	5
34/44	PG48	48	14	64	21038048	0,345	5
3/6,5	M12	22	6	14	21039120	0,013	100
4/8	M16	23	7	18	21039160	0,018	50
6/12	M20	26,5	8	22	21039200	0,030	50
10/14	M25	28	8	27	21039250	0,037	25
13/18	M32	31,5	9	36	21039320	0,068	20
18/25	M40	38	9	46	21039400	0,140	10
22/32	M50	43	9	55	21039500	0,233	5
34/44	M63	48	14	70	21039630	0,414	5

	LN+SILICONE		-60°/ 180°	68	OK

ETIM:EC000441



Prensaestopas IRIS-M XL

IRIS-M XL Cable Gland

Presse-Étoupe IRIS-M XL

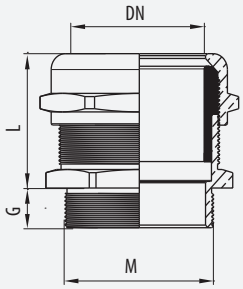
Bucim IRIS-M XL



DN		L	G		LN	kg/u	
45/55	M63	48	15	70	21087630	0,517	5
50/63	M75	48	20	85	21087750	0,704	2
50/63	M80	58	20	90	21087800	0,874	2
60/70	M90	61	20	100	21087900	1,117	1

	LN+TPV		-20°/+100°	68	OK

ETIM:EC000441



Prensaestopas IRIS-M FLEX

IRIS-M FLEX Cable Gland

Presse-Étoupe IRIS-M FLEX

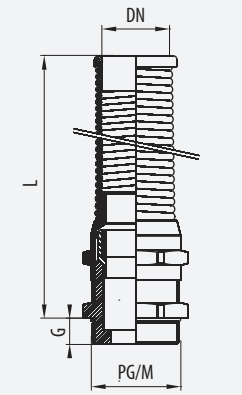
Bucim IRIS-M FLEX



DN		L	G			LN	
3/6,5	PG7	55	6	6,8	14	21080007	100
4/8	PG9	66	6	8,2	17	21080009	50
5/10	PG11	77	6	10,3	20	21080011	50
6/12	PG13	88	6,5	12,3	22	21080013	50
10/14	PG16	98	6,5	14,3	24	21080016	50
13/18	PG21	111	7	18,4	30	21080021	25
3/6,5	M12	55	6	6,8	14	21081120	100
4/8	M16	66	7	8,2	18	21081160	50
6/12	M20	88	8	12,3	22	21081200	50
10/14	M25	98	8	14,3	27	21081250	50
13/18	M32	111	9	18,4	34	21081320	50

	LN+TPV		-20°/+100°	68	OK

ETIM:EC000441



Prensaestopas IRIS-M FLEX-L

IRIS-M FLEX-L Cable Gland

Presse-Étoupe IRIS-M FLEX-L

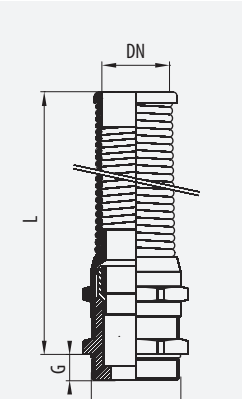
Bucim IRIS-M FLEX-L



DN		L	G			LN	
3/6,5	PG7	55	10	6,8	14	21082007	100
4/8	PG9	66	10	8,2	17	21082009	50
5/10	PG11	77	10	10,3	20	21082011	50
6/12	PG13	88	10	12,3	22	21082013	50
10/14	PG16	98	10	14,3	24	21082016	50
13/18	PG21	111	12	18,4	30	21082021	25
3/6,5	M12	55	12	6,8	14	21083120	100
4/8	M16	66	12	8,2	18	21083160	50
6/12	M20	88	12	12,3	22	21083200	50
10/14	M25	98	12	14,3	27	21083250	50
13/18	M32	111	14	18,4	34	21083320	50

	LN+TPV		-20°/+100°	68	OK

ETIM:EC000441



Prensaestopas IRIS-M IP Inserto Plano

IRIS-M IP Flat Insert Gland

Presse-Étoupe IRIS-M IP

Bucim IRIS-M IP

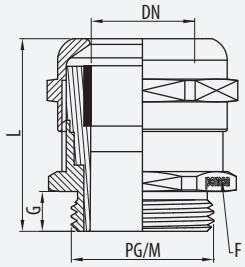




			G	L		LN	kg/u	
7	13	PG16	6,5	30,5	24	21130016	0,039	50
7	15	PG21	7	32	30	21130021	0,060	50
8	22	PG29	8	39	40	21130029	0,130	25
10	28	PG36	10	47	50	21130036	0,214	10
12	33	PG42	12	49	57	21130042	0,249	5
14	45	PG48	14	52	64	21130048	0,363	5
7	13	M25	8	32	27	21131250	0,058	25
7	15	M32	9	34	34	21131320	0,101	25
8	22	M40	9	40	43	21131400	0,165	10
10	28	M50	9	46	55	21131500	0,298	5
14	45	M63	14	52	68	21131630	0,406	5

PA6+TPV		-20°/+100°	65	OK

ETIM:EC000441



Prensaestopas IRIS-M IMC Inserto MultiCable

IRIS-M IMC Multicable Insert Gland

Presse-Étoupe IRIS-M Insert IMC Multi Cable

Bucim IRIS-M IMC Inserçao Multi Cabo

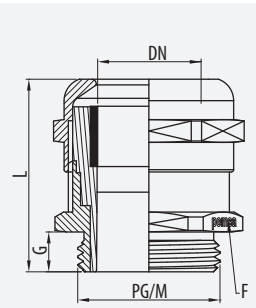




			G	L		LN	kg/u	
2	3	PG 9	6	27	17	21230009	0,025	50
2	4	PG11	6	28	20	21230011	0,028	50
2	3	M16	7	28	18	21231160	0,026	50
2	5	PG11	6	28	20	21330011	0,028	50
2	6	PG13	6,5	29,5	22	21330013	0,031	50
2	7	PG16	6,5	30,5	24	21330016	0,039	50
2	9	PG21	7	32	30	21330021	0,060	50
2	6	M20	8	31	22	21331200	0,042	50
2	7	M25	8	32	27	21331250	0,058	25
2	9	M32	9	34	34	21331320	0,101	25
3	3	PG 9	6	27	17	21430009	0,025	50
3	7	PG21	7	32	30	21430021	0,060	50
3	3	M16	7	28	18	21431160	0,026	50
3	7	M32	9	34	34	21431320	0,101	25
3	5	PG11	6	28	20	21530011	0,028	50
3	5	PG13	6,5	29,5	22	21530013	0,031	50
3	6	PG16	6,5	30,5	24	21530016	0,039	50
3	8	PG21	7	32	30	21530021	0,060	50
3	5	M20	8	31	22	21531200	0,042	50
3	6	M25	8	32	27	21531250	0,058	25
3	8	M32	9	34	34	21531320	0,101	25
4	9	PG29	8	39	40	21430029	0,128	25
4	9	M40	9	40	43	21431400	0,163	10
4	3	PG 9	6	27	17	21630009	0,025	50
4	5	PG16	6,5	30,5	24	21630016	0,039	50
4	7	PG21	7	32	30	21630021	0,060	50
4	3	M16	7	28	18	21631160	0,026	50
4	5	M25	8	32	27	21631250	0,058	25
4	7	M32	9	34	34	21631320	0,101	25
8	4	PG21	7	32	30	21830021	0,060	50
8	4	M32	9	34	34	21831320	0,101	25
16	3	PG29	8	39	40	21830029	0,130	25
16	3	M40	9	40	43	21831400	0,165	10

LN+TPV		-20°/+100°	65	OK

ETIM:EC000441



pemsa

Prensaestopas IRIS-M IP Inserto Abierto

IRIS-M IA Open Insert Gland

Presse-Étoupe IRIS-M IA Insert Ouvert

Bucim IRIS-M IA Inserto aberto

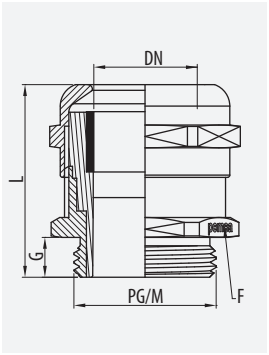




		G	L		LN	kg/u	
5	PG13	6,5	29,5	22	21930013	0,032	50
5	PG16	6,5	30,5	24	21930016	0,039	50
5	PG21	7	32	30	21930021	0,061	50
5	M20	8	31	22	21931200	0,043	50
5	M25	8	32	27	21931250	0,058	25
5	M32	9	34	34	21931320	0,102	25

	LN+TPV		-20°/+100°	65	OK

ETIM:EC000441



Prensaestopas IRIS-M INOX

IRIS-M Stainless Steel Cable Gland

Presse-Étoupe IRIS-M INOX

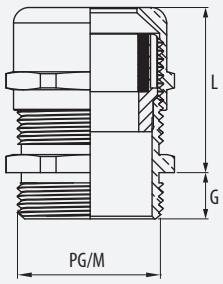
Bucim IRIS-M INOX



DN		L	G		304	kg/u	
3/6,5	PG7	22	6	14	21084007	0,013	100
4/8	PG9	23	6	17	21084009	0,017	50
5/10	PG11	24,5	6	22	21084011	0,023	50
6/12	PG13	26,5	6,5	22	21084013	0,030	50
10/14	PG16	28	6,5	24	21084016	0,032	50
13/18	PG21	31,5	7	30	21084021	0,055	25
18/25	PG29	38	8	41	21084029	0,116	20
22/32	PG36	43	10	50	21084036	0,198	10
30/38	PG42	47	12	60	21084042	0,232	5
34/44	PG48	48	14	65	21084048	0,345	5
3/6,5	M12	22	6	14	21085120	0,013	100
4/8	M16	23	7	18	21085160	0,019	50
6/12	M20	26,5	8	22	21085200	0,026	50
10/14	M25	28	8	27	21085250	0,041	25
13/18	M32	31,5	9	36	21085320	0,070	20
18/25	M40	38	9	46	21085400	0,145	10
22/32	M50	43	9	55	21085500	0,255	5
34/44	M63	48	14	70	21085630	0,396	5

	304+TPV		-20°/+100°	68	OK

ETIM:EC000441



Prensaestopas IRIS-P AIR

IRIS-P AIR Cable Gland

Presse-Étoupe IRIS-P AIR

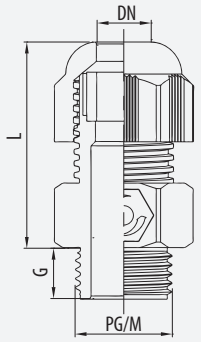
Bucim IRIS-P AIR



DN		H	G		aire l/h	agua mbar	7035	9005	
4/8	PG7	29	8	19	70	0,1	21012007	21022007	100
4/8	PG9	33	8	19	70	0,1	21012009	21022009	50
4/6,5	M12	29	8	19	70	0,1	21013120	21023120	100
4/8	M16	33	8	19	70	0,1	21013160	21023160	50
5/10	M16	34	10	22	70	0,1	21013161	21023161	50

	PA6+TPV	-20°/+100°	150°	65	OK

ETIM:EC000441



Prensaestopas IRIS-M AIR

IRIS-M AIR Cable Gland

Presse-Étoupe IRIS-M AI

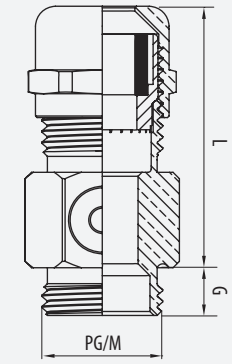
Bucim IRIS-M AIR



DN		H	G		aire l/h	agua mbar	LN	
4/8	PG7	31.5	6	17	70	0.1	21074007	100
4/8	PG9	31.5	6	17	70	0.1	21074009	50
5/10	PG11	33.5	6	20	70	0.1	21074011	50
6/12	PG13	35	6.5	22	70	0.1	21074013	50
4/8	M12	31.5	6	17	70	0.1	21075120	100
4/8	M16	31.5	6	17	70	0.1	21075160	50
5/10	M16	33.5	6	20	70	0.1	21075161	50
6/12	M20	35	8	22	70	0.1	21075200	50
4/8	PG7	31.5	8	17	70	0.1	21076007	100
4/8	PG9	31.5	8	17	70	0.1	21076009	50
5/10	PG11	33.5	8	20	70	0.1	21076011	50
6/12	PG13	35	8	22	70	0.1	21076013	50
4/8	M12	31.5	8	17	70	0.1	21077120	100
4/8	M16	31.5	8	17	70	0.1	21077160	50
5/10	M16	33.5	8	20	70	0.1	21077161	50

	Latón niquelado	TPV	-20°/ 80°	150°	OK

ETIM:EC000441



Prensaestopas IRIS-M AIR-INOX

IRIS-M AIR-INOX Cable Gland

Presse-Étoupe IRIS-M AIR-INOX

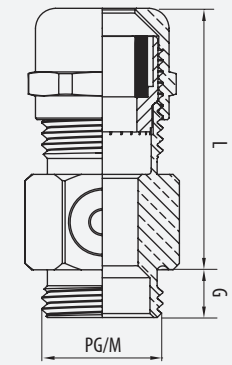
Bucim IRIS-M AIR-INOX



DN		H	G		aire l/h	agua mbar	LN	
4/8	PG7	31.5	6	17	70	0.1	21070007	100
4/8	PG9	31.5	6	17	70	0.1	21070009	50
5/10	PG11	33.5	6	20	70	0.1	21070011	50
6/12	PG13	35	6.5	22	70	0.1	21070013	50
4/8	M12	31.5	6	17	70	0.1	21071120	100
4/8	M16	31.5	6	17	70	0.1	21071160	50
5/10	M16	33.5	6	20	70	0.1	21071161	50
6/12	M20	35	8	22	70	0.1	21071200	50
4/8	PG7	31.5	8	17	70	0.1	21072007	100
4/8	PG9	31.5	8	17	70	0.1	21072009	50
5/10	PG11	33.5	8	20	70	0.1	21072011	50
6/12	PG13	35	8	22	70	0.1	21072013	50
4/8	M12	31.5	8	17	70	0.1	21073120	100
4/8	M16	31.5	8	17	70	0.1	21073160	50
5/10	M16	33.5	8	20	70	0.1	21073161	50

	Acero Inoxidable	TPV	-20°/ 80°	150°	OK

ETIM:EC000441



Tapón TPK AIR

TPK AIR Cap

Bouchon TPK AIR

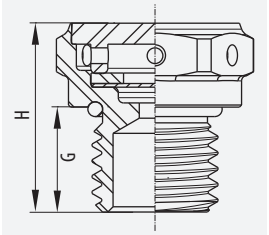
Tampão TPK AIR



	H	G		aire l/h	agua mbar	7035	kg/u	
M12	19	10	18	16	0.8	44022120	0.002	100
M12	19	10	18	25	0.5	44022121	0.002	100
M12	19	10	18	150	0.2	44022122	0.002	100
M12	19	10	18	300	0.1	44022123	0.002	100
						9005		
M12	19	10	18	16	0.8	44023120	0.002	100
M12	19	10	18	25	0.5	44023121	0.002	100
M12	19	10	18	150	0.2	44023122	0.002	100
M12	19	10	18	300	0.1	44023123	0.002	100

	junta			IP	
PA6	NBR/EPDM	-20°/+100°	150°	65	OK

ETIM:EC002316



Tapón TPM AIR

TPM AIR Cap

Bouchon TPM AIR

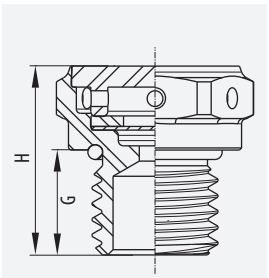
Tampão TPM AIR



	H	G		aire l/h	agua mbar	LAT	kg/u	
M12	18	10	17	16	0.8	44013120	0.014	100
M12	18	10	17	25	0.5	44013121	0.014	100
M12	18	10	17	150	0.2	44013122	0.014	100
M12	18	10	17	300	0.1	44013123	0.013	100

	junta			IP	
303	NBR/EPDM	-20°/+100°	150°	68	OK

ETIM:EC002316



Tapón TPK AIR INOX

TPM AIR INOX Plug

Bouchon TPM AIR INOX

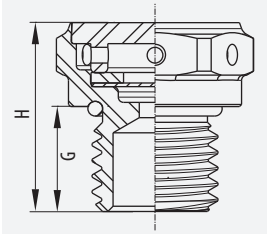
Tampão TPM AIR INOX



	H	G		aire l/h	agua mbar	LAT	kg/u	
M12	18	10	17	16	0.8	44014120	0.013	100
M12	18	10	17	25	0.5	44014121	0.013	100
M12	18	10	17	150	0.2	44014122	0.013	100
M12	18	10	17	300	0.1	44014123	0.013	100

	junta			
303	NBR/EPDM	-20°/+100°	150°	OK

ETIM:EC002316



Prensaestopas HSK-K

HSK-K Cable Gland

Presse-Étoupe HSK-K

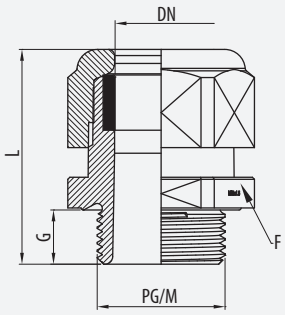
Bucim HSK-K



DN		G	L			RAL 7035	RAL 9005	kg/u	
3/ 6,5	PG 7	8	29	15		22010007	22012007	0,005	50
4/ 8	PG 9	8	30	19		22010009	22012009	0,006	50
5/10	PG11	8	33	22		22010011	22012011	0,008	50
6/12	PG13	9	36	24		22010013	22012013	0,009	50
10/14	PG16	10	38	27		22010016	22012016	0,013	50
13/18	PG21	11	42	33		22010021	22012021	0,022	50
18/25	PG29	11	49	42		22010029	22012029	0,040	25
22/32	PG36	13	61	53		22010036	22012036	0,058	10
37/44	PG48	14	63	65		22010048	22012048	0,099	5
3/ 6,5	M12	8	29	15		22011120	22013120	0,005	50
4/ 8	M16	8	30	19		22011160	22013160	0,006	50
5/10	M16	8	33	22		22011161	22013161	0,007	50
6/12	M20	9	36	24		22011200	22013200	0,009	50
10/14	M20	9	37	27		22011201	22013201	0,013	50
13/18	M25	11	42	33		22011250	22013250	0,022	50
18/25	M32	11	50	42		22011320	22013320	0,040	25
22/32	M40	13	61	53		22011400	22013400	0,070	10
32/38	M50	13	62	60		22011500	22013500	0,090	5
37/44	M63	14	63	65		22011630	22013630	0,099	5

	PA 6+NBR		-40°/+100°	68	OK

ETIM: EC000441



Prensaestopas HSK-K Largo

HSK-K Long Cable Gland

Presse-Étoupe HSK-K Long

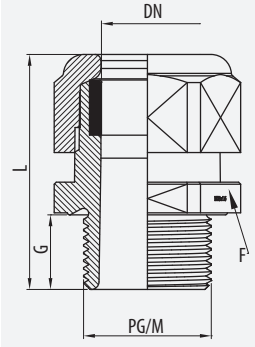
Bucim HSK-K Longo



DN		G	L		RAL 7035	kg/u	
3/ 6	PG 7	15	36	15	22014007	0,010	50
4/ 8	PG 9	15	37	19	22014009	0,010	50
5/10	PG11	15	40	22	22014011	0,010	50
6/12	PG13	15	42	24	22014013	0,010	50
10/14	PG16	15	43	27	22014016	0,020	50
13/18	PG21	15	46	33	22014021	0,030	50
18/25	PG29	15	54	42	22014029	0,050	25
22/32	PG36	18	66	53	22014036	0,060	10
37/44	PG48	18	67	65	22014048	0,110	5
3/ 6	M12	15	36	15	22015120	0,010	50
4/ 8	M16	15	37	19	22015160	0,010	50
5/10	M16	15	40	22	22015161	0,010	50
6/12	M20	15	42	24	22015200	0,010	50
10/14	M20	15	43	27	22015201	0,010	50
13/18	M25	15	46	33	22015250	0,020	50
18/25	M32	15	54	42	22015320	0,050	25
22/32	M40	18	66	53	22015400	0,070	10
32/38	M50	18	67	60	22015500	0,090	5
37/44	M63	18	67	65	22015630	0,090	5

	PA6+NBR		-40°/+100°	68	OK

ETIM: EC000441



pemsa

Prensaestopas HSK-K-Ex Active

HSK-K-EX Active Cable Gland

Presse-Étoupe HSK-K-EX Active

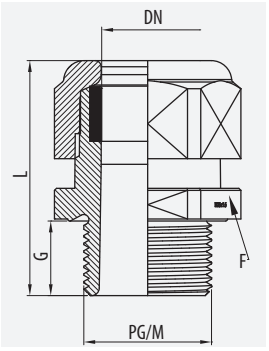
Bucim HSK-K-EX Active



DN		G	L		RAL 9005	kg/u	
3/ 6,5	M12	8	29	15	22031120	0,005	50
4/ 8	M16	8	30	19	22031160	0,006	50
5/10	M16	8	33	22	22031161	0,006	50
6,5/12	M20	9	36	24	22031200	0,009	50
10/14	M20	9	37	27	22031201	0,009	50
13/18	M25	11	42	33	22031250	0,022	50
18/25	M32	11	50	42	22031320	0,040	25
22/32	M40	13	61	53	22031400	0,070	10
32/38	M50	13	62	60	22031500	0,090	5
37/44	M63	14	62	65	22031630	0,099	5

	PA6+NBR		-40°/+100°*	68	OK

ETIM: EC000441

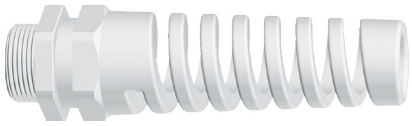


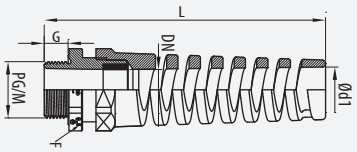
Prensaestopas HSK-FLEX

HSK-FLEX Cable Gland

Presse-Étoupe HSK-FLEX

Bucim HSK-FLEX





DN		Ød1	G	L		RAL 7035	kg/u	
3/ 6	PG 7	7,0	8	62	15	22020007	0,006	50
4/ 8	PG 9	8,5	8	71	19	22020009	0,010	50
5/10	PG11	10,5	8	86	22	22020011	0,013	50
6/12	PG13	13,0	9	99	24	22020013	0,016	50
10/14	PG16	15,5	10	110	27	22020016	0,024	25
13/18	PG21	20,0	11	125	33	22020021	0,043	20
3/ 6	M12	7,0	8	62	15	22021120	0,005	50
4/ 8	M16	8,5	8	71	19	22021160	0,010	50
5/10	M16	10,5	8	86	22	22021161	0,010	50
6/12	M20	13,0	9	99	24	22021200	0,016	50
10/14	M20	15,5	9	109	27	22021201	0,016	25
13/18	M25	20,0	11	125	33	22021250	0,043	20

	PA6+NBR		-40°/+100°	68	OK

ETIM: EC000441

Prensaestopas HSK-M

HSK-M Cable Gland

Presse-Étoupe HSK-M

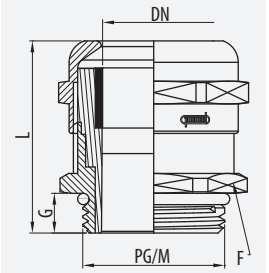
Bucim HSK-M



DN		G	L		LN	kg/u	
3/6,5	PG 7	5,0	24,0	14	22050007	0,011	50
4/8	PG 9	6,0	27,0	17	22050009	0,018	50
5/10	PG11	6,0	28,0	20	22050011	0,024	50
6/12	PG13	6,5	30,5	22	22050013	0,029	50
10/14	PG16	6,5	29,5	24	22050016	0,032	50
13/18	PG21	7,0	31,0	30	22050021	0,052	25
18/25	PG29	8,0	37,0	40	22050029	0,097	25
22/32	PG36	8,0	43,0	50	22050036	0,159	10
37/44	PG48	10,0	48,0	64	22050048	0,300	5
3/ 6,5	M12	6,5	25,5	14	22051120	0,018	50
4/ 8	M16	6,0	27,0	17	22051160	0,018	50
5/10	M16	6,0	28,0	20	22051161	0,018	50
6/12	M20	6,0	29,0	22	22051200	0,029	50
10/14	M20	6,0	30,0	24	22051201	0,029	50
13/18	M25	7,0	33,0	30	22051250	0,052	25
18/25	M32	8,0	39,0	40	22051320	0,097	25
22/32	M40	8,0	45,0	50	22051400	0,167	10
32/38	M50	9,0	46,0	57	22051500	0,218	5
37/44	M63	10,0	48,0	64	22051630	0,290	5

	LN+NBR		-40°/+100°	68	OK

ETIM: EC000441



Prensaestopas HSK-MZ

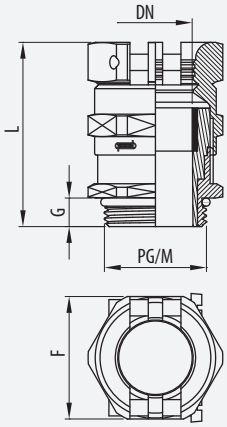
HSK-MZ Cable Gland
Presse-Étoupe HSK-MZ
Bucim HSK-MZ



DN		G	L		LN	kg/u	
3/6,5	M12	6,5	32,5	14	22060120	0,010	50
6/8	M16	6,0	34,0	17	22060160	0,030	50
6/10	M16	6,0	36,0	20	22060161	0,020	50
6/12	M20	6,0	39,0	22	22060200	0,040	50
10/14	M20	6,0	39,0	24	22060201	0,030	50
13/18	M25	7,0	44,0	30	22060250	0,050	25
18/25	M32	8,0	51,0	40	22060320	0,100	25
22/32	M40	8,0	58,0	50	22060400	0,170	10
32/38	M50	9,0	60,0	57	22060500	0,220	5
25/31	M50	9,0	60,0	57	22060501	0,100	5
37/44	M63	10,0	62,0	64	22060630	0,360	5
29/35	M63	10,0	62,0	64	22060631	0,380	5

	LN+NBR		-40°/+100°	68	OK

ETIM: EC000441



CE IEC 61386 RoHS III

Prensaestopas HSK-M-EX

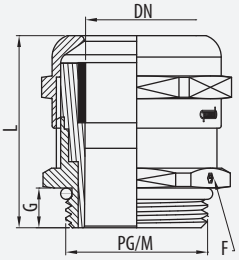
HSK-M-EX Cable Gland
Presse-Étoupe HSK-M-EX
Bucim HSK-M-EX



DN		G	L		LN	kg/u	
3 6,5	PG 7	5,0	24,0	14	22080007	0,010	50
4/8	PG 9	6,0	27,0	17	22080009	0,020	50
6/10	PG11	6,0	28,0	20	22080011	0,020	50
6/12	PG13	6,5	30,5	22	22080013	0,030	50
10/14	PG16	6,5	29,5	24	22080016	0,030	50
14/18	PG21	7,0	31,0	30	22080021	0,050	25
20/25	PG29	8,0	37,0	40	22080029	0,100	25
22/32	PG36	8,0	43,0	50	22080036	0,160	10
37/44	PG48	10,0	48,0	64	22080048	0,300	5
3/ 6	M12	6,5	25,5	14	22081120	0,020	50
4/ 8	M16	6,0	27,0	17	22081160	0,020	50
6/10	M16	6,0	28,0	20	22081161	0,020	50
6/12	M20	6,0	29,0	22	22081200	0,030	50
10/14	M20	6,0	30,0	24	22081201	0,030	50
14/18	M25	7,0	33,0	30	22081250	0,050	25
20/25	M32	8,0	39,0	40	22081320	0,100	25
22/32	M40	8,0	45,0	50	22081400	0,170	10
32/38	M50	9,0	46,0	57	22081500	0,220	5
37/44	M63	10,0	48,0	64	22081630	0,290	5

	LN+NBR		-40°/+100°	68	OK

ETIM: EC000441



CE IEC 61386 RoHS III

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Prensaestopas HSK-M-EMV-D

HSK-M-EMV-D Cable Gland

Presse-Étoupe HSK-M-EMV-D

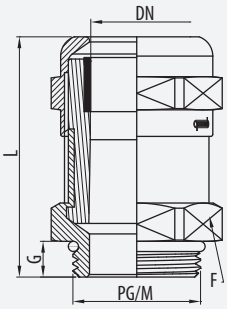
Bucim HSK-M-EMV-D



DN		G	L			LN	kg/u	
3/ 6,5	M12	6,5	31,5	14		22090120	0,010	50
5/10	M16	6,0	38,0	20		22090160	0,030	50
10/14	M20	6,0	39,0	24		22090200	0,030	50
13/18	M25	7,0	46,0	30		22090250	0,030	25
18/25	M32	8,0	53,0	40		22090320	0,030	25
24/32	M40	8,0	59,0	50		22090400	0,030	10
32/38	M50	9,0	66,5	57		22090500	0,230	5
37/44	M63	10,0	62,0	64		22090630	0,230	5

	LN+NBR		-40°/+100°	68	OK

ETIM: EC000441



Prensaestopas HSK-INOX

HSK-INOX Cable Gland

Presse-Étoupe HSK-INOX

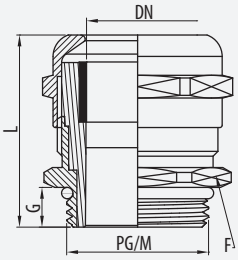
Bucim HSK-INOX



DN		G	L			304	kg/u	
3/ 6,5	M12	6,5	25,5	14		22070120	0,010	10
5/10	M16	6,0	28,0	22		22070160	0,020	10
10/14	M20	6,0	29,0	24		22070200	0,030	10
13/18	M25	7,0	31,0	30		22070250	0,040	10
18/25	M32	8,0	39,0	41		22070320	0,090	5
22/32	M40	8,0	45,0	50		22070400	0,100	5

	304+NBR		-40°/+100°	68	OK

ETIM: EC000441



Prensaestopas HSK-INOX-HD

HSK-INOX-HD Cable Gland

Presse-Étoupe HSK-INOX-HD

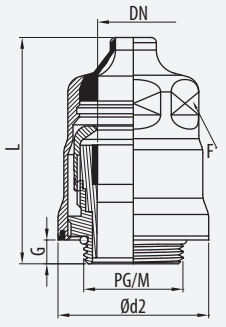
Bucim HSK-INOX-HD



DN		Ød2	G	L		316L	kg/u	
3/ 6,5	M12	21	6	30,0	14	22040120	0,008	10
5/10	M16	27	6	34,0	20	22040160	0,065	10
10/14	M20	33	6	34,5	24	22040200	0,080	5
13/18	M25	40	6	41,5	30	22040250	0,138	5

	316L		-40°/+120°	68	OK

ETIM: EC000441



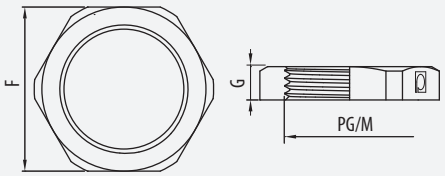
Tuerca TCP

TCP Nut

Ecrou TCP

Porca TCP





	L		RAL 7001	RAL 7035	RAL 9005	kg/u	u
PG 7	5	19	40026007	40020007	40024007	0,001	100
PG 9	5	22	40026009	40020009	40024009	0,002	100
PG11	5	24	40026011	40020011	40024011	0,001	100
PG13	6	27	40026013	40020013	40024013	0,002	100
PG16	6	30	40026016	40020016	40024016	0,003	100
PG21	7	36	40026021	40020021	40024021	0,003	100
PG29	7	46	40026029	40020029	40024029	0,006	50
PG36	8	60	40026036	40020036	40024036	0,013	25
PG48	8	70	40026048	40020048	40024048	0,014	25
M12	5	18	40027120	40021120	40025120	0,001	100
M16	5	22	40027160	40021160	40025160	0,001	100
M20	6	26	40027200	40021200	40025200	0,002	100
M25	6	32	40027250	40021250	40025250	0,005	100
M32	7	41	40027320	40021320	40025320	0,005	50
M40	7	50	40027400	40021400	40025400	0,007	25
M50	8	60	40027500	40021500	40025500	0,010	25
M63	8	75	40027630	40021630	40025630	0,016	25

	M			
	PA6		-25°/+105°	OK

ETIM:EC000129

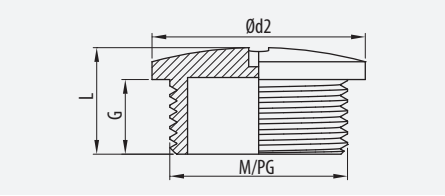
Tapón TPK

TPK Cap

Bouchon TPK

Tampão TPK





	Ød2	G	L		RAL 7035	kg/u	u
PG 7	15	6	8,0		44020007	0,001	100
PG 9	19	6	9,0		44020009	0,002	100
PG11	22	6	9,0		44020011	0,002	100
PG13	25	6	8,5		44020013	0,002	100
PG16	27	6	8,5		44020016	0,003	100
PG21	33	8	12,0		44020021	0,005	100
PG29	44	8	12,0		44020029	0,007	50
PG36	55	10	15,0		44020036	0,013	25
PG48	69	12	16,0		44020048	0,010	10
M12	15	6	8,5		44021120	0,001	100
M16	20	7	10,0		44021160	0,002	100
M20	24	7	10,0		44021200	0,005	100
M25	30	10	14,0		44021250	0,007	100
M32	37	10	14,0		44021320	0,013	50
M40	48	10	15,0		44021400	0,018	50

	M				
	PA6		-25°/+90°	54	OK

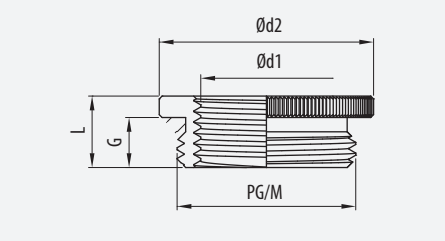
ETIM: EC002316

Reducción R-H

R-H Reducer

Réducteur R-H

Redução R-H



	Ød1	Ød2	G	L	LN	kg/u	u
M16	M12	18	6,0	8,5	42001612	0,010	100
M20	M12	24	6,5	9,0	42002012	0,020	100
M20	M16	24	6,5	9,0	42002016	0,020	100
M25	M16	30	7,0	10,0	42002516	0,030	50
M25	M20	30	7,0	10,0	42002520	0,020	50
M32	M20	39	8,0	11,5	42003220	0,050	50
M32	M25	39	8,0	11,5	42003225	0,030	50
M40	M25	43	8,0	11,5	42004025	0,080	25
M40	M32	43	9,0	12,5	42004032	0,040	25
M50	M32	57	10,0	14,0	42005032	0,120	10
M63	M40	64	10,0	14,0	42006340	0,210	10
M63	M50	64	10,0	14,0	42006350	0,120	10

	M			
	LN		-45°/+150°	OK

ETIM: EC000938



Tuerca TCM

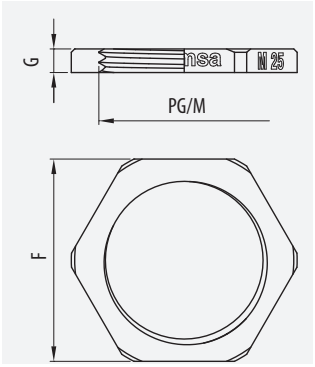
TCM Nut

Ecrou TCM

Porca TCM



	G			LN	kg/u	
PG 7	2,8	15		40010007	0,002	100
PG 9	2,8	18		40010009	0,002	100
PG11	3,0	21		40010011	0,003	100
PG13	3,0	23		40010013	0,003	100
PG16	3,0	26		40010016	0,005	100
PG21	3,5	32		40010021	0,007	100
PG29	4,0	41		40010029	0,013	50
PG36	5,0	51		40010036	0,021	25
PG42	5,0	60		40010042	0,030	25
PG48	5,5	64		40010048	0,034	25
M12	2,8	15		40011120	0,002	100
M16	2,8	19		40011160	0,003	100
M20	3,0	24		40011200	0,004	100
M25	3,5	30		40011250	0,009	100
M32	4,0	36		40011320	0,011	50
M40	5,0	46		40011400	0,019	25
M50	5,0	60		40011500	0,026	25
M63	6,0	70		40011630	0,055	25



	LN	-45°/+150°	OK

ETIM:EC000129

Tuerca TCM EMC

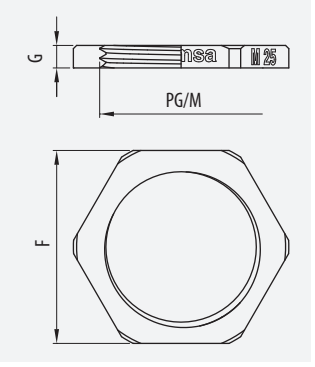
TCM EMC Nut

Ecrou TCM ECM

Porca TCM EMC RINOX



				LN	kg/u	
PG 7			15	40016007	0,002	100
PG 9			18	40016009	0,003	50
PG11			21	40016011	0,003	50
PG13			23	40016013	0,004	50
PG16			26	40016016	0,005	50
PG21			32	40016021	0,007	25
PG29			41	40016029	0,010	20
PG36			51	40016036	0,018	10
PG42			60	40016042	0,035	5
PG48			64	40016048	0,038	5
M12			15	40017120	0,003	100
M16			19	40017160	0,004	50
M20			24	40017200	0,005	50
M25			30	40017250	0,009	25
M32			36	40017320	0,011	20
M40			46	40017400	0,018	10
M50			60	40017500	0,030	5
M63			70	40017630	0,039	5



	LN	-45°/+150°	OK

ETIM:EC000129

Tuerca TCM Inox

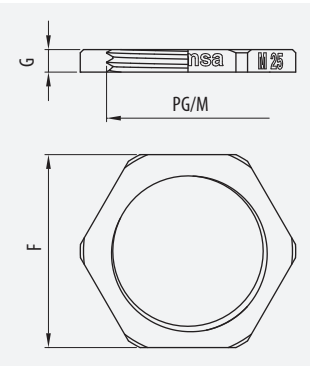
TCM INOX Nut

Ecrou TCM INOX

Porca TCM INOX



	G			304	kg/u	
PG 7	2,8	15		40015007	0,0021	100
PG 9	2,8	18		40015009	0,0032	50
PG11	3,0	21		40015011	0,0032	50
PG13	3,0	23		40015013	0,0042	50
PG16	3,0	26		40015016	0,0052	50
PG21	3,0	32		40015021	0,0073	25
PG29	4,0	41		40015029	0,0104	20
PG36	5,0	51		40015036	0,0178	10
PG42	5,0	60		40015042	0,0346	5
PG48	5,5	64		40015048	0,0376	5
M16	2,8	19		40014160	0,003	50
M20	3,0	24		40014200	0,004	50
M25	3,5	30		40014250	0,009	25
M32	3,5	36		40014320	0,011	25
M40	5,0	46		40014400	0,019	10
M50	5,0	57		40014500	0,026	10
M63	6,0	70		40014630	0,055	10



	304	-45°/+150°	OK

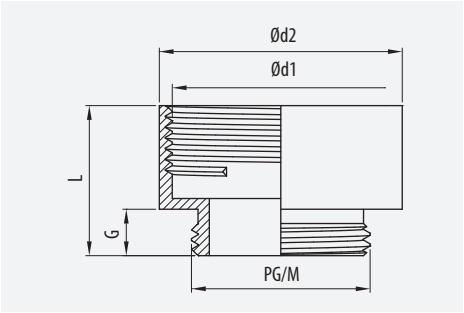
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Ampliación E-MS

E-MS Enlarger

Amplificateur EM-S

Ampliação EM-S



	Ød1	Ød2	G	L	LN	kg/u	
PG 7	PG 9	17	5,0	15,0	42020709	0,007	100
PG 9	PG11	20	6,0	16,5	42020911	0,009	100
PG 9	PG13	22	6,0	17,5	42020913	0,010	100
PG11	PG13	22	6,0	17,5	42021113	0,012	100
PG11	PG16	24	6,0	18,5	42021116	0,013	100
PG13	PG16	24	6,5	19,0	42021316	0,012	100
PG16	PG21	30	6,5	21,0	42021621	0,024	50
PG21	PG29	39	7,0	23,0	42022129	0,038	50
PG29	PG36	50	8,0	28,0	42022936	0,077	25
M12	M16	18	5,0	15,0	42051216	0,010	100
M16	M20	22	6,0	17,5	42051620	0,010	100
M20	M25	27	6,5	19,0	42052025	0,020	50
M25	M32	34	8,0	20,5	42052532	0,030	50
M32	M40	42	7,0	23,0	42053240	0,050	25
M40	M50	53	9,0	31,0	42054050	0,160	10
M50	M63	65	9,5	24,0	42055063	0,160	10

	LN		-45°/+150°	OK

ETIM:EC000938

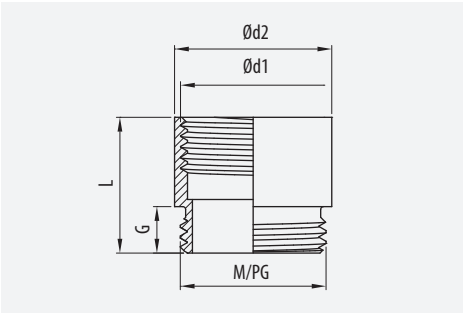


Adaptador RE-MS

RE-MS Adaptor

Adaptateur RE-MS

Adaptador RE-MS



	Ød1	Ød2	G	L	LN	kg/u	
M16	PG 9	20	6,0	16,5	43001609	0,020	100
M20	PG11	22	6,5	19,0	43002011	0,020	100
M20	PG13	22	6,5	19,0	43002013	0,010	100
M20	PG16	24	6,5	19,0	43002016	0,020	100
M25	PG16	28	6,5	19,0	43002516	0,050	50
M25	PG21	30	6,5	21,0	43002521	0,020	50
M32	PG29	39	7,0	23,0	43003229	0,050	25
PG 9	M16	20	6,0	16,5	43010916	0,020	100
PG11	M20	22	6,5	19,0	43011120	0,020	100
PG13	M20	22	6,5	19,0	43011320	0,020	100
PG16	M25	27	6,5	21,0	43011625	0,040	50

	LN		-45°/+150°	OK

ETIM:EC000938

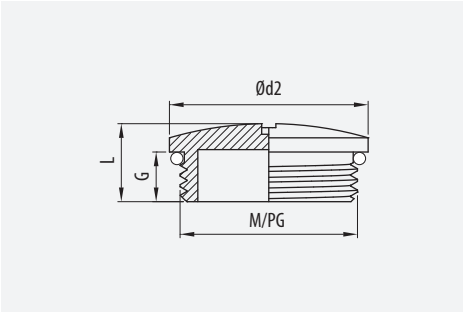


Tapón TPM

TPM Cap

Bouchon TPM

Tampão TPM



	Ød2	G	L		LN	kg/u	
PG 7	14	5,25	8,0		44010007	0,004	100
PG 9	17	6,00	9,0		44010009	0,005	100
PG11	20	6,00	9,0		44010011	0,008	100
PG13	22	6,50	9,5		44010013	0,009	100
PG16	24	6,50	9,5		44010016	0,013	100
PG21	30	7,00	11,0		44010021	0,024	100
PG29	39	8,00	12,0		44010029	0,036	50
PG36	50	9,00	15,0		44010036	0,082	25
PG42	57	10,00	16,0		44010042	0,107	25
PG48	64	10,00	16,0		44010048	0,119	10
M12	14	5,00	7,0		44011120	0,005	100
M16	18	6,00	8,0		44011160	0,008	100
M20	22	6,50	8,5		44011200	0,013	100
M25	27	7,00	10,0		44011250	0,024	100
M32	34	8,00	11,0		44011320	0,050	50
M40	44	9,00	13,0		44011400	0,093	25
M50	54	10,00	14,5		44011500	0,136	25
M63	67	10,00	15,0		44011630	0,190	10

	LN		-25°/+150°C	68	54

ETIM:EC002316



Inserto Plano IP68

Flat Insert IP68

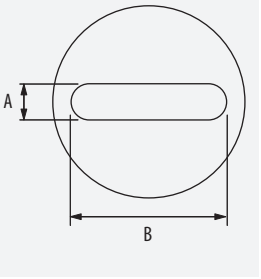
Insert Plan IP68

Inserto Plano IP68



A	B		9005	kg/u	
7	13	PG16/M20	40030116	0,002	25
7	13	PG21/M25	40030121	0,003	25
8	22	PG29/M32	40030129	0,008	5
10	28	PG36/M40	40030136	0,01	5
12	33	PG42/M50	40030142	0,012	5
14	45	PG48/M63	40030148	0,014	5

	PA6+TPV		-20°/+100°	65	OK



Inserto MultiCable

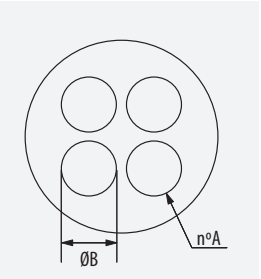
Multicable Insert Gland

Insert IMC Multi Cable

Inserçao Multi Cabo



A	B		9005	kg/u	
2	3	PG9/M16	40030209	0,001	50
2	4	PG11/M20	40030211	0,001	50
2	5	PG11/M16	40030311	0,001	50
2	6	PG13/M20	40030313	0,001	50
2	7	PG16/M25	40030316	0,002	25
2	9	PG21/M32	40030321	0,003	25
3	3	PG9/M16	40030409	0,001	50
3	7	PG21/M32	40030421	0,003	25
4	9	PG29/M40	40030429	0,006	5
3	5	PG11/M20	40030511	0,101	50
3	5	PG13/M20	40030513	0,001	50
3	6	PG16/M25	40030516	0,002	25
3	8	PG21/M32	40030521	0,003	25
4	3	PG9/M16	40030609	0,001	50
4	5	PG16/M25	40030616	0,001	25
4	7	PG21/M32	40030621	0,003	25
8	4	PG21/M32	40030821	0,003	25
16	3	PG29/M40	40030829	0,008	5

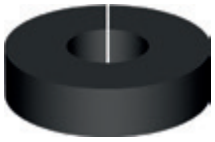


Inserto Abierto

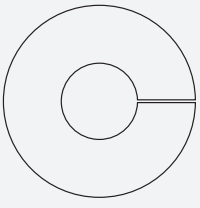
Open Insert

Insert Ouvert

Inserto aberto



	9005	kg/u	
PG13/M20	40030913	0,0002	50
PG16/M25	40030916	0,0003	25
PG21/M32	40030921	0,004	25

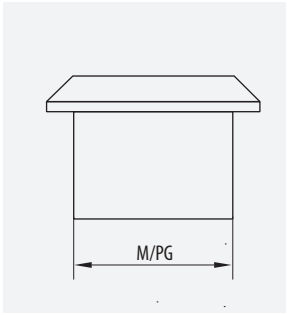


Tapón Protector
Protection Cap
Bouchon Protecteur
Tampão Protetor



	9005	ROJO	kg/u	
PG 7 / M12	44040007	44041007	0,001	1000
PG 9 /M16	44040009	44041009	0,001	1000
PG11 /M16	44040011	44041011	0,001	1000
PG13 / M20	44040013	44041013	0,001	500
PG16 / M20	44040016	44041016	0,002	500
PG21 / M25	44040021	44041021	0,002	500
PG29 / M32	44040029	44041029	0,005	200
PG36 / M40	44040036	44041036	0,008	100
PG42 / M50	44040042	44041042	0,011	50
PG48 / M63	44040048	44041048	0,014	50

PA6		-30°/ 80°	OK



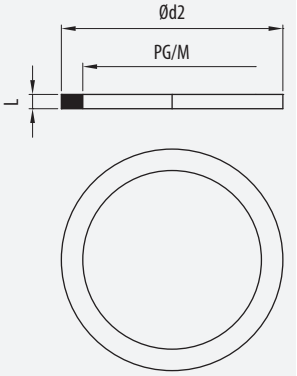
Junta Plana
Flat Ring
Joint Plat
Junta Plana



	Ød2	L	RAL 5024	kg/u	
PG 7	16,5	2	39090007	0,001	500
PG 9	19	2	39090009	0,001	500
PG11	22,5	2	39090011	0,002	500
PG13	25	2	39090013	0,003	500
PG16	27	2	39090016	0,003	500
PG21	33,5	2	39090021	0,005	500
PG29	43,5	2	39090029	0,009	250
PG36	55	2	39090036	0,018	100
PG48	69	2	39090048	0,025	50
M12	16	2	39090112	0,001	500
M16	20	2	39090116	0,002	500
M20	25	2	39090120	0,003	500
M25	31	2	39090125	0,003	500
M32	38	2	39090132	0,005	250
M40	48	2	39090140	0,009	100
M50	58	2	39090150	0,018	50
M63	72	2	39090163	0,025	50

NBR		-25º°/+120	68	OK

ETIM:EC000098



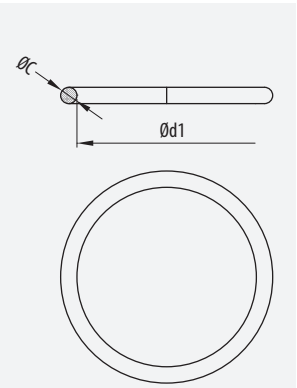
Junta Tórica
O-Ring
Joint Torique
O-Ring



	Ød2	C	RAL 9005	kg/u	
PG 7	9,0	1,5	39096007	0,001	500
PG 9	12,0	1,5	39096009	0,001	500
PG11	16,0	1,5	39096011	0,001	500
PG13	17,2	1,8	39096013	0,001	100
PG16	22,0	2,0	39096016	0,002	500
PG21	29,0	2,0	39096021	0,003	500
PG29	33,0	2,0	39096029	0,004	250
PG36	43,0	2,0	39096036	0,006	100
PG48	55,0	2,0	39096048	0,007	50
M12	9,0	1,5	39096112	0,001	500
M16	12,0	1,5	39096116	0,002	500
M20	17,2	1,8	39096120	0,002	500
M25	22,0	2,0	39096125	0,003	500
M32	29,0	2,0	39096132	0,004	250
M40	35,0	2,0	39096140	0,005	50
M50	43,0	2,0	39096150	0,066	50
M63	55,0	2,0	39096163	0,007	50

NBR		-25º°/+120	68	OK

ETIM:EC000098

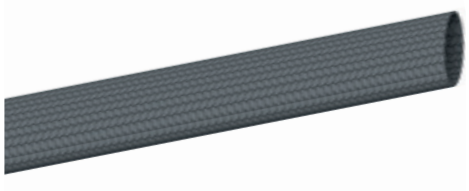


Funda Protectora PA

PA Braided Tubing

Housse Protectrice PA

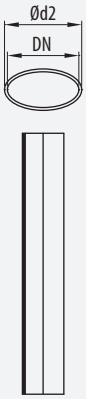
Manga Protectora PA



DN	Ød2	RAL 7031	RAL 9005	kg/u	u
4	3/ 6	12000004	12000104	0,004	100
6	5/ 8	12000006	12000106	0,005	100
8	7/11	12000008	12000108	0,006	100
10	7/15	12000010	12000110	0,009	100
12	8/18	12000012	12000112	0,014	100
16	15/21	12000016	12000116	0,015	100
20	18/30	12000020	12000120	0,022	100
25	24/36	12000025	12000125	0,024	100
30	32/47	12000030	12000130	0,034	50
40	32/58	12000040	12000140	0,042	50
50	32/68	12000050	12000150	0,051	50
60	32/85	12000060	12000160	0,069	50

	M			
	PA 6		-25°/+150°	OK

ETIM: EC002254

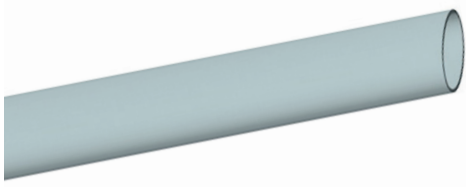


Funda Protectora PP

PP Braided Tubing

Housse Protectrice PP

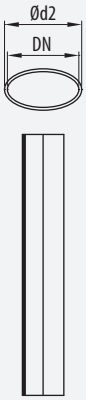
Manga Protectora PP



DN	Ød2	RAL 7031	kg/u	u
4	3/ 6	12001004	0,003	100
6	5/ 8	12001006	0,004	100
8	7/11	12001008	0,005	100
10	7/15	12001010	0,008	100
12	8/18	12001012	0,011	100
16	15/21	12001016	0,012	100
20	18/30	12001020	0,016	100
25	24/36	12001025	0,018	100
30	32/47	12001030	0,024	50
50	32/58	12001040	0,03	50
50	32/68	12001050	0,039	50
60	32/85	12001060	0,045	50

	M			
	PP		-25°/+150°	OK

ETIM:EC002604



Cinta Helicolidal

Spiral Tape

Ruban hélicoïdale

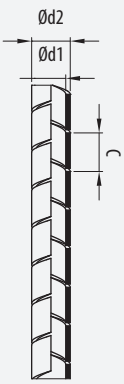
Cinta Helicolidal



DN	Ød1	Ød2	RAL 9010	RAL 9005	kg/u	u
3/12	2,5	4	91011030	91012030	0,007	500
6/40	4	6	91021060	91022060	0,014	250
8/60	5,4	8	91031080	91032080	0,026	125
10/90	9,2	12	91041109	91042109	0,039	50

	M			
	PE		-45°/+90°	OK

ETIM:EC002604



GUÍA DE SOLUCIONES SECTORIALES



pemsa



Terciario Construcción

Aplicaciones



Edificios de Oficinas, Aeropuertos, Estaciones, Hospitales, Centros Educativos, Centros comerciales, de ocio, Teatros.



Instalaciones de tubos en superficie con altos requisitos de mecánicos de protección según ITC-BT 21



Instalaciones en falsos techos, huecos de la construcción o empotradas, según ITC-BT 21



Instalación de Publica concurrencia con altos requistos de seguridad, Libre de halógenos, según ITC-BT 28

Ventajas



Amplia gama de producto y accesorios que complementan la instalación



Materiales con altos requisitos mecánicos, Compresión e Impacto.



Gama completa en Gris Claro RAL 7035. Alta Componente estética



Materiales Libres de Halógenos para altos requistos de seguridad

Sistema de tubos	DN	Color		Racor adecuado	Color	

Tubo RPVC 1250

DN		Color	
DN16-DN63	PVC	Gris Claro RAL 7035	36





Manguito RPVC

DN		Color	
DN16-DN63	PVC+ABS	Gris Claro RAL 7035	36

Racor a Cajas RPVC

DN		Color	
DN16-DN63	PVC+ABS	Gris Claro RAL 7035	37

Tubo RLH 1250

DN		Color	
DN16-DN63	PC+ABS Libre de Halógenos	Gris Claro RAL 7035	33





Manguito RLH

DN		Color	
DN16-DN63	PC+ABS	Gris Claro RAL 7035	34

Racor a Cajas RLH IP65

DN		Color	
DN16-DN63	PC+ABS	Gris Claro RAL 7035	35

Tubo CLH

DN		Color	
DN16-DN63	Polipropileno Libre de Halógenos	Gris Claro RAL 7035	38





Racor Cajas RLH

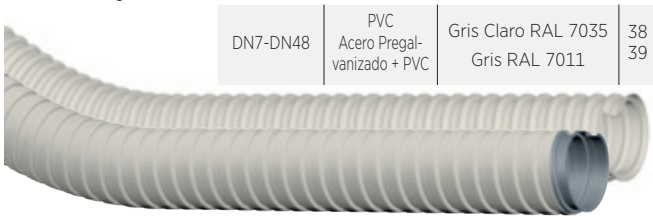
DN		Color	
DN16-DN63	PC+ABS	Gris Claro RAL 7035	35

Derivación T RLH

DN		Color	
DN16-DN63	PC+ABS	Gris Claro RAL 7035	34

Tubo TFA y TM-PVC Gris Claro RAL 7035

DN		Color	
DN7-DN48	PVC Acero Pregal-vanizado + PVC	Gris Claro RAL 7035 Gris RAL 7011	38 39





Racor RGp 7035

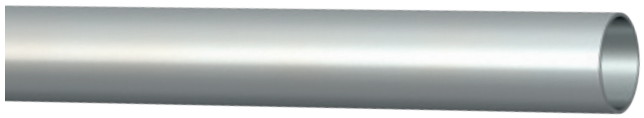
M12-M63 PG07-PG48	Poliamida 6	Gris Claro RAL 7035 Gris RAL 7001	38

Racor P 7035

M12-M63 PG07-PG48	Poliamida 6	Gris Claro RAL 7035 Gris RAL 7001	39

Tubo RL

DN			
DN16-DN63	Acero Electro-cincado EZ	Metal	41





Manguito RL

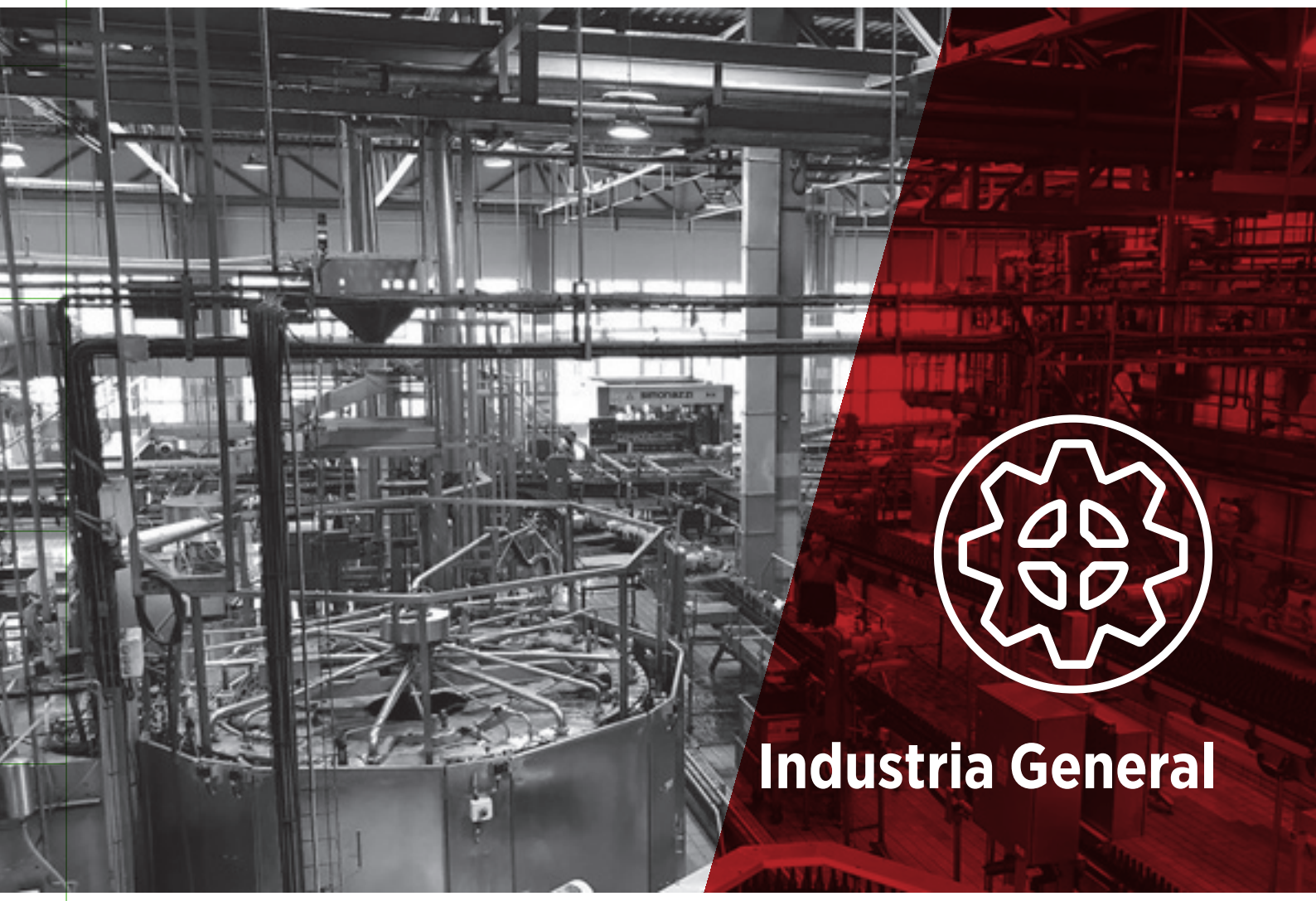
DN			
DN16-DN63	Acero Electro-cincado EZ	Metal	41

Manguito Acomplamiento RL

DN			
DN16-DN63	Acero Electro-cincado EZ	Metal	42

Amplia Gama de Accesorios





Industria General

Aplicaciones



Protección de cableado para conexión de máquinas.



Instalaciones generales de potencia y datos en fábrica.

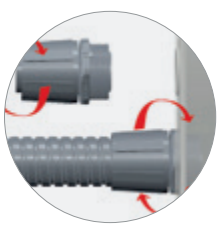


Instalaciones industriales con requisitos de mecánicos y amplio rango de temperaturas.

Ventajas



Amplia gama de producto.



Racores tipo giratorio que facilitan la instalación de los tubos.



Protección y alta estanqueidad en equipos, IP68 IP65.

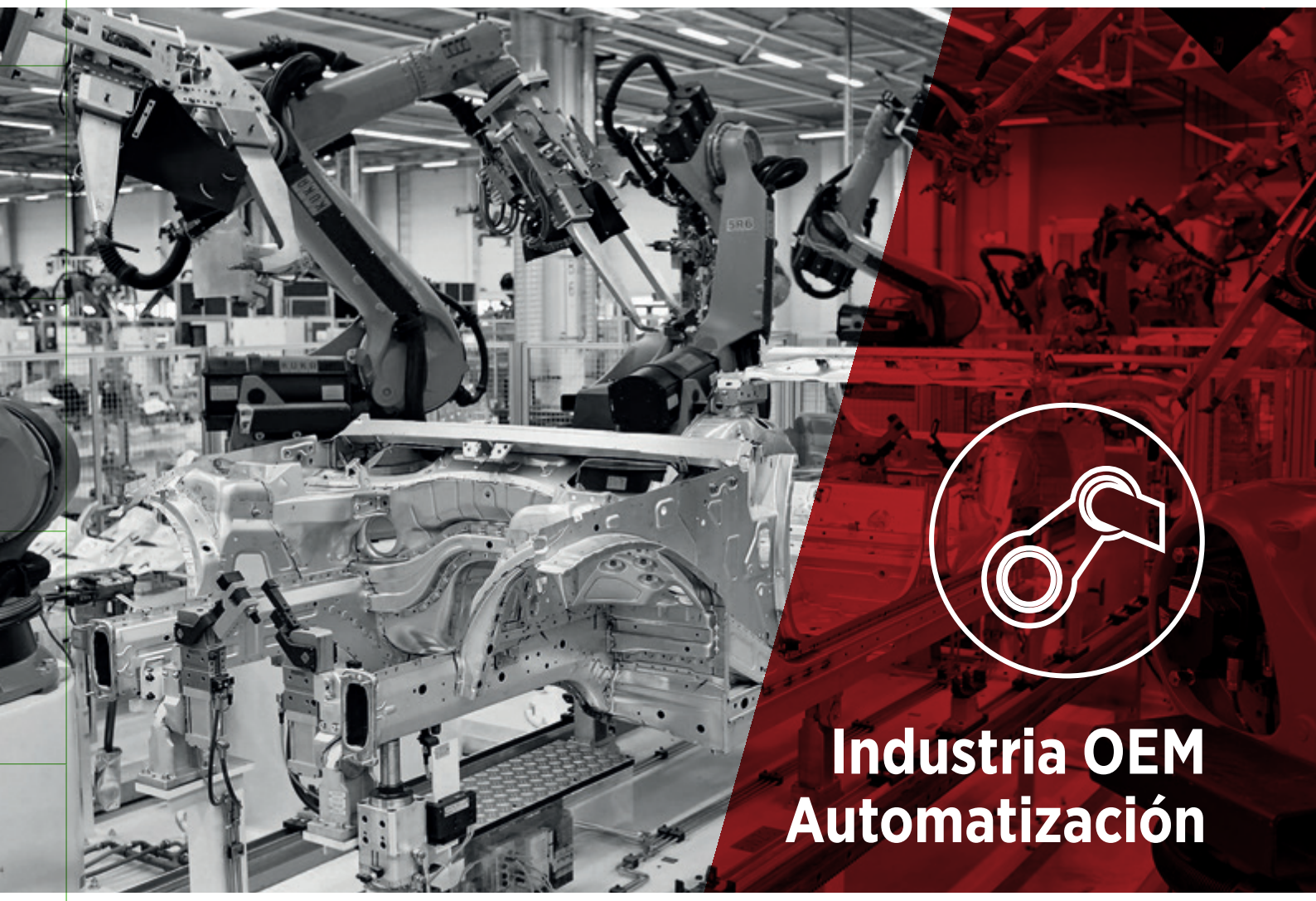


Alta flexibilidad que se adapta a partes móviles en la fabricación.

Sistema de tubos	DN	Material	Color	
Tubo TFA	DN7-DN48	PVC	Gris RAL 7001 Negro RAL 9005	50
Tubo TM-PVC	DN7-DN48	Acero Pre-galvanizado + PVC	Gris Claro RAL 7035 Gris RAL 7001	51
Tubo ECOFLEX	DN7-DN48	Acero Pre-galvanizado + PVC	Gris Claro RAL 7035 Gris RAL 7001	50
Tubo LG-PA	DN7-DN48	Poliamida 6	Gris RAL 7001 Negro RAL 9005	57
Tubo RL	DN16-DN63	Acero Electro-cincado EZ	Metal	41

Racor adecuado			Color	
Racor P	M12-M63 PG07-PG48	Poliamida 6	Gris RAL 7001 Gris Claro RAL 7035	50
Racor RGp Giratorio	M12-M63 PG07-PG48	Poliamida 6	Gris RAL 7001 Gris Claro RAL 7035	51 52
Racor RM	M12-M63 PG07-PG48	Latón Niquelado	Metal	52 53
Racor RGm	M12-M63 PG07-PG48	Poliamida 6	Gris RAL 7001	52
Racor RM	M12-M63 PG07-PG48	Latón Niquelado	Metal	52 53
Racor RGp Giratorio	M12-M63 PG07-PG48	Poliamida 6	Gris RAL 7001	51 52
Racor PA6	M12-M63 PG07-PG48	Poliamida 6	Gris RAL 7001	72 73
Manguito RL	DN16-DN63	Acero Electro-cincado EZ	Metal	41
Manguito Acomplamiento RL	DN16-DN63	Acero Electro-cincado EZ	Metal	42

			Color	
Prensaestopas IRIS-P	M12-M63 PG07-PG48	Poliamida 6 + Junta TPV	Gris Claro RAL 7035 Gris RAL 7001 Negro RAL 9005	79 80
Prensaestopas IRIS-M	M12-M63 PG07-PG48	Latón Niquelado + Junta TPV	Metal	87

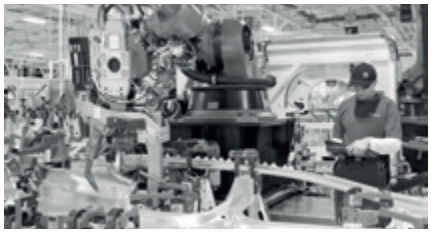


Industria OEM Automatización

Aplicaciones



Protección y conducción de cableado en equipos para Aplicaciones en Industria OEM y Alimentaria.



Protección de cableado en Instalaciones de Automatización, Electrónica y Robótica



Instalaciones industriales con requisitos de mecánicos y amplio rango de temperaturas.

Ventajas



Amplia gama de producto.



Alta flexibilidad para equipos con alto grado de movimiento y aplicaciones dinámicas



Protección y alta estanqueidad en equipos, IP68. IP65. Ventilación, evacuación de condensación interior



Alto grado de protección mecánica y Resistencia a la corrosión

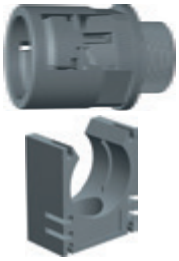
Sistema de tubos	DN	Color	

Racor adecuado		Color	

Tubo Poliamida LG-PA y ST-PA



DN		Color	
DN7-DN48	Poliamida 6	Gris RAL 7001 Negro RAL 9005	57



Racor REP

		Color	
M12-M63 PG07-PG48	Poliamida 6	Gris RAL 7001 Negro RAL 9005	59 60

Soporte Tubo

		Color	
DN07-DN48	Poliamida 6	Gris RAL 7001 Negro RAL 9005	75

Tubo Macroflex, RB-PA y RB-PU



DN		Color	
DN07-DN95	Poliamida 6 Poliamida 12 Poliuretano	Gris RAL 7001 Negro RAL 9005	58



Accesorios Robótica. Racor Recto

		Color	
DN52-DN95	Poliamida 6	Gris RAL 7001 Negro RAL 9005	78

Accesorios Robótica. Abrazadera

		Color	
DN52-DN70	Poliamida 12	Gris RAL 7001 Negro RAL 9005	77

Tubo RINOX



DN		Color	
DN16-DN50	Acero Inoxidable AISI304	Metal	47



Manguito Rinox

		Color	
DN16-DN50	Acero Inoxidable AISI316	Metal	48

Abrazadera Pie RINOX

		Color	
DN16-DN50	Acero Inoxidable AISI316	Metal	48

Tubo RL



DN		Color	
DN16-DN63	Acero Electro-cincado EZ	Metal	41



Manguito RL

		Color	
DN16-DN63	Acero Electro-cincado EZ	Metal	41

Manguito Acomplamiento RL

		Color	
DN16-DN63	Acero Electro-cincado EZ	Metal	42

		Color	

		Color	

Prensaestopas Ventilación IRIS-AIR



M12-M16 PG07-PG09	Poliamida + TPV Latón niquelado + TPV	Negro RAL 9005 Metal	91 92

Prensaestopas IRIS-M-INOX



M12-M63 PG07-PG48	Latón Niquelado + Junta TPV	Metal	91

IRIS-M-EMC



M12-M63 PG07-PG48	Latón Niquelado + Silicona	Metal	89

IRIS-M-FLEX



M12-M63 PG07-PG48	Latón Niquelado + Junta TPV	Metal	89 90



Industria Pesada

Aplicaciones



Protección y conducción de cableado en plantas petroquímicas, Oil&Gas, Químicas.



Adecuación para entornos húmedos o agresivos.

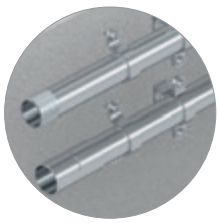


Instalaciones industriales con requisitos de mecánicos y amplio rango de temperaturas.

Ventajas



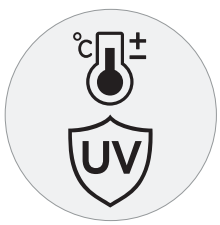
Amplia gama de producto.



Acabados con alta resistencia a la corrosión. Galvanizado en caliente, Aluminio, Acero Inoxidable.



Protección y alta estanqueidad en equipos, IP68, IP65. Soluciones atmósferas explosivas ATEX.



Resistencia altas temperaturas y grandientes de temperatura y Radiación UV.

Sistema de tubos	DN	Ⓜ	Color	📖

Racor adecuado	🔧	Ⓜ	Color	📖

Tubo RRGC y RLGC



DN16-DN63	Acero Galvanizado en Caliente	Metal	44



Manguito RRGC

M12-M63	Acero Galvanizado en Caliente	Metal	45

Manguito RLGC

M12-M63	Acero Galvanizado en Caliente	Metal	44 45

Tubo RAL



DN16-DN63	Aluminio	Metal	46



Manguito RAL

DN16-DN63	Aluminio	Metal	46

Clip RAL

DN16-DN63	Aluminio	Metal	47

Tubo RINOX



DN16-DN50	Acero Inoxidable AISI304	Metal	47



Manguito Rinox

DN16-DN50	Acero Inoxidable AISI316	Metal	48

Abrazadera Pie RINOX

DN16-DN50	Acero Inoxidable AISI316	Metal	48

Tubo ST-PA



DN07-DN48	Poliamida 6	Gris RAL 7011 Negro RAL 9005	57



Manguito REP

M12-M63 PG07-PG48	Poliamida 6	Gris RAL 7011 Negro RAL 9005	59 60

Soporte Tubo

DN07-DN48	Poliamida 6	Gris RAL 7011 Negro RAL 9005	75

	🔧	Ⓜ	Color	📖

	🔧	Ⓜ	Color	📖

Prensaestopas IRIS-M



M12-M63 PG07-PG48	Latón Niquelado + Junta TPV	Metal	87

Prensaestopas HSK-M-EX



M12-M63 PG07-PG48	Latón Niquelado + Junta NBR	Metal	94 95

IRIS-M-Altas Temperaturas



M12-M63 PG07-PG48	Latón Niquelado + Junta Silicona	Metal	90

IRIS-M-XL

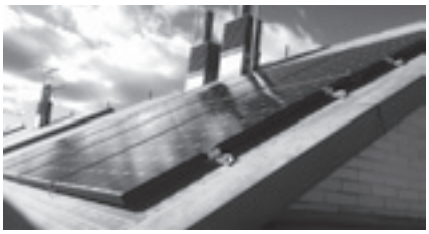


M12-M63 PG07-PG48	Latón Niquelado + Junta TPV	Metal	90



Fotovoltáica Autoconsumo Renovables

Aplicaciones



Protección y conducción de cableado en instalaciones de Cubiertas Fotovoltacias y Autoconsumo.



Protección y conducción de cableado en Plantas Solares de Estructura fija o Seguidores de Eje.



Instalaciones y aplicaciones en Generadores Eólicos, Centrales Termosolares, Biomasa, etc.

Ventajas



Amplia gama de producto



Excelente comportamiento frente a la Radiación Ultravioleta y la Intemperie



Protección y alta estanqueidad, IP68. IP65, IP54



Alto grado de protección mecánica y Resistencia a la corrosión

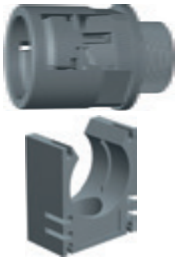
Sistema de tubos	DN	Color	

Racor adecuado		Color	

Tubo Poliamida LG-PA y ST-PA



DN7-DN48	Poliamida 6	Gris RAL 7001 Negro RAL 9005	57



Racor REP

M12-M63 PG07-PG48	Poliamida 6	Gris RAL 7001 Negro RAL 9005	59 60

Soporte Tubo

M12-M63 PG07-PG48	Poliamida 6	Gris RAL 7001 Negro RAL 9005	75

Tubo RPVC 1250



DN16-DN63	PVC	Gris Claro RAL 7035	36



Manguito RPVC

DN16-DN63	PVC+ABS	Gris Claro RAL 7035	35

Racor a Cajas RPVC

DN16-DN63	PVC+ABS	Gris Claro RAL 7035	37

Tubo RLH 1250



DN16-DN63	PC+ABS Libre de Halógenos	Gris Claro RAL 7035	33



Manguito RLH

DN16-DN63	PC+ABS	Gris Claro RAL 7035	34

Racor a Cajas RLH IP65

DN16-DN63	PC+ABS	Gris Claro RAL 7035	35

Tubo RRGC y RLGC



DN16-DN63	Acero Galvanizado en Caliente	Metal	44



Manguito RRGC

M16-M63	Acero Galvanizado en Caliente	Metal	45

Manguito RLGC

DN16-DN63	Acero Galvanizado en Caliente	Metal	44 45

		Color	

		Color	

Prensaestopas IRIS-P



M12-M63 PG07-PG48	Poliamida 6 + Junta TPV	Gris Claro RAL 7035 Gris RAL 7001 Negro RAL 9005	79 80

Prensaestopas IRIS-M



M12-M63 PG07-PG48	Latón Niquelado + Junta TPV	Metal	87

Prensaestopas HSK-K



M12-M63 PG07-PG48	Poliamida 6 + Junta NBR	Gris Claro RAL 7035 Negro RAL 9005	92 93

Prensaestopas HSK-M



M12-M63 PG07-PG48	Latón Niquelado + Junta NBR	Metal	95 96

pemsa

Ref.	Ⓜ	Cod EAN	u	🕮
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10011016	RAL 7011	8431927018359	25 m	250
10011021	RAL 7011	8431927018366	25 m	250
10011029	RAL 7011	8431927018373	25 m	250
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10011048	RAL 7011	8431927018397	20 m	250
10011209	RAL 7035	8431927092410	25 m	235, 250
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10040017	RAL 7011	8431927017154	50 m	258
10040023	RAL 7011	8431927017161	50 m	258
10040029	RAL 7011	8431927017178	25 m	258
10040036	RAL 7011	8431927017185	25 m	258
10040048	RAL 7011	8431927017192	20 m	258
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10040220	RAL 7035	8431927080783	100 m	235
10040225	RAL 7035	8431927080790	75 m	235
10040232	RAL 7035	8431927080806	50 m	235
10040240	RAL 7035	8431927080813	25 m	235
10040250	RAL 7035	8431927080820	25 m	235
10041007	RAL 9005	8431927017208	50 m	258
10041010	RAL 9005	8431927017215	50 m	258
10041012	RAL 9005	8431927017222	50 m	258
10041014	RAL 9005	8431927017239	50 m	258
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10042010	RAL 7011	8431927017307	50 m	258
10042012	RAL 7011	8431927017314	50 m	258
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10043010	RAL 9005	8431927017390	50 m	258
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10046017	RAL 7011	8431927016386	50 m	259
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10046029	RAL 7011	8431927016409	50 m	259

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10047012	RAL 9005	8431927040732	50 m	259
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10047052	RAL 9005	8431927022554	30 m	259
10047070	RAL 9005	8431927022561	10 m	259
10047095	RAL 9005	8431927101532	10 m	259
10048017	RAL 9005	8431927022578	50 m	259
10048023	RAL 9005	8431927022585	50 m	259
10048029	RAL 9005	8431927022592	50 m	259
10048036	RAL 9005	8431927022608	30 m	259
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10048052	RAL 9005	8431927022622	30 m	259
10048070	RAL 9005	8431927022639	30 m	259
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10060070	RAL 7011	8431927000347	10 m	259
10060095	RAL 7011	8431927000354	10 m	259
10060552	RAL 9005	8431927019011	10 m	259
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10060595	RAL 9005	8431927000392	10 m	259
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11010109	PG	8431927035042	50 m	250
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11010113	PG	8431927035066	50 m	250
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12000025	RAL 7031	8431927022042	100 m	302
12000030	RAL 7031	8431927022059	50 m	302
12000040	RAL 7031	8431927022066	50 m	302
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12000060	RAL 7031	8431927022080	50 m	302
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12000106	RAL 9005	8431927022103	100 m	302
12000108	RAL 9005	8431927022110	100 m	302
12000110	RAL 9005	8431927022127	100 m	302
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12000125	RAL 9005	8431927022165	100 m	302
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12000150	RAL 9005	8431927022196	50 m	302
12000160	RAL 9005	8431927022202	50 m	302
12001004	RAL 7031	8431927022219	100 m	302
12001006	RAL 7031	8431927022226	100 m	302
12001008	RAL 7031	8431927022233	100 m	302
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12001030	RAL 7031	8431927022295	50 m	302
12001040	RAL 7031	8431927022301	50 m	302
12001050	RAL 7031	8431927022318	50 m	302
12001060	RAL 7031	8431927022325	50 m	302
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13005120	RAL 7035	8431927067340	57 m	230
13005125	RAL 7035	8431927067357	57 m	230
13005132	RAL 7035	8431927067364	30 m	230
13005140	RAL 7035	8431927067371	30 m	230
13005150	RAL 7035	8431927067388	15 m	230
13005163	RAL 7035	8431927067395	15 m	230
13006116	RAL 7035	8431927067401	57 m	230
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13020016	AL	8431927026545	30 m	246
13020020	AL	8431927026552	30 m	246
13020025	AL	8431927026569	30 m	246
13020032	AL	8431927026576	30 m	246
13020040	AL	8431927026583	15 m	246
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13021020	304	8431927026682	15 m	248
13021025	304	8431927026699	15 m	248
13021032	304	8431927026705	15 m	248
13021040	304	8431927026712	9 m	248
13021050	304	8431927091833	9 m	248
1303				
13030016	EZ	8431927019172	51 m	240
13030020	EZ	8431927019189	51 m	240
13030025	EZ	8431927019196	30 m	240
13030032	EZ	8431927019202	21 m	240
13030040	EZ	8431927019219	15 m	240
13030050	EZ	8431927019226	15 m	240
13030063	EZ	8431927019233	9 m	240
13030116	GC	8431927091031	30 m	244
13030120	GC	8431927087683	30 m	244
13030125	GC	8431927087690	30 m	244

Ref.	Ⓜ	Cod EAN	u	🕮
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13030132	GC	8431927087706	21 m	244
13030140	GC	8431927087713	15 m	244
13030150	GC	8431927091048	15 m	244
13030163	GC	8431927091055	15 m	244
1304				
13040016	EZ	8431927021748	51 m	240
13040020	EZ	8431927021755	51 m	240
13040025	EZ	8431927021762	30 m	240
13040032	EZ	8431927021779	21 m	240
13040040	EZ	8431927021786	15 m	240
13040050	EZ	8431927021793	15 m	240
13040063	EZ	8431927021809	9 m	240
13040116	GC	8431927091062	30 m	244
13040120	GC	8431927091079	30 m	244
13040125	GC	8431927091086	30 m	244
13040132	GC	8431927091093	21 m	244
13040140	GC	8431927091109	15 m	244
13040150	GC	8431927091116	15 m	244
13040163	GC	8431927091123	15 m	244
1305				
13050116	RAL 7035	8431927067470	57 m	233
13050120	RAL 7035	8431927067487	57 m	233
13050125	RAL 7035	8431927067494	57 m	233
13050132	RAL 7035	8431927067500	30 m	233
13050140	RAL 7035	8431927067517	30 m	233
13050150	RAL 7035	8431927067524	15 m	233
13050163	RAL 7035	8431927067531	15 m	233
1306				
13060116	RAL 7035	8431927085337	57 m	233
13060120	RAL 7035	8431927085344	57 m	233
13060125	RAL 7035	8431927085351	57 m	233
13060132	RAL 7035	8431927085368	30 m	233
13060140	RAL 7035	8431927085375	30 m	233
13060150	RAL 7035	8431927085382	15 m	233
13060163	RAL 7035	8431927085399	15 m	233
2001				
20010007	RAL 7035	8431927000750	50 ud	282
20010009	RAL 7035	8431927000767	50 ud	282
20010011	RAL 7035	8431927000774	50 ud	282
20010013	RAL 7035	8431927000781	50 ud	282
20010016	RAL 7035	8431927000798	50 ud	282
20010021	RAL 7035	8431927000804	50 ud	282
20010029	RAL 7035	8431927000811	25 ud	282
20010036	RAL 7035	8431927000828	10 ud	282
20011120	RAL 7035	8431927041746	50 ud	282
20011160	RAL 7035	8431927041753	50 ud	282
20011161	RAL 7035	8431927041760	50 ud	282
20011200	RAL 7035	8431927041777	50 ud	282
20011201	RAL 7035	8431927041784	50 ud	282
20011250	RAL 7035	8431927041791	50 ud	282
2005				
20050007	LN	8431927000842	50 ud	285
20050009	LN	8431927000859	50 ud	285
20050011	LN	8431927000866	50 ud	285
20050013	LN	8431927000873	50 ud	285
20050016	LN	8431927000880	50 ud	285
20050021	LN	8431927000897	25 ud	285
20050029	LN	8431927000903	25 ud	285
20050036	LN	8431927000910	10 ud	285
20051120	LN	8431927042668	50 ud	285
20051160	LN	8431927042675	50 ud	285
20051200	LN	8431927042682	50 ud	285
20051250	LN	8431927042699	50 ud	285
20051320	LN	8431927042705	25 ud	285
20051400	LN	8431927042712	10 ud	285
20051500	LN	8431927042729	5 ud	285
20051630	LN	8431927042736	5 ud	285
2006				
20060007	LN	8431927019165	50 ud	285
20060009	LN	8431927000934	50 ud	285
20060011	LN	8431927000941	50 ud	285

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2006				
20060013	LN	8431927000958	50 ud	285
20060016	LN	8431927000965	50 ud	285
20060021	LN	8431927000972	25 ud	285
20060029	LN	8431927000989	25 ud	285
20060036	LN	8431927000996	10 ud	285
20060048	LN	8431927001009	5 ud	285
2101				
21012007	RAL 7035	8431927097156	100 ud	291
21012009	RAL 7035	8431927097163	50 ud	291
21013120	RAL 7035	8431927097170	100 ud	291
21013160	RAL 7035	8431927097187	50 ud	291
21013161	RAL 7035	8431927097194	50 ud	291
2102				
21022007	RAL 9005	8431927097200	100 ud	291
21022009	RAL 9005	8431927097217	50 ud	291
21023120	RAL 9005	8431927097224	100 ud	291
21023160	RAL 9005	8431927097231	50 ud	291
21023161	RAL 9005	8431927097248	50 ud	291
2103				
21030007	LN	8431927042453	50 ud	286
21030009	LN	8431927042460	50 ud	286
21030011	LN	8431927042477	50 ud	286
21030013	LN	8431927042484	50 ud	286
21030016	LN	8431927042491	50 ud	286
21030021	LN	8431927042507	50 ud	286
21030029	LN	8431927042514	25 ud	286
21030036	LN	8431927042521	10 ud	286
21030042	LN	8431927042538	5 ud	286
21030048	LN	8431927042545	5 ud	286
21031120	LN	8431927019646	50 ud	286
21031160	LN	8431927019653	50 ud	286
21031200	LN	8431927019660	50 ud	286
21031250	LN	8431927019677	25 ud	286
21031320	LN	8431927019684	25 ud	286
21031400	LN	8431927019691	10 ud	286
21031500	LN	8431927019707	5 ud	286
21031630	LN	8431927019714	5 ud	286
21034007	LN	8431927097255	100 ud	287
21034009	LN	8431927097262	50 ud	287
21034011	LN	8431927097279	50 ud	287
21034013	LN	8431927097286	50 ud	287
21034016	LN	8431927097293	50 ud	287
21034021	LN	8431927097309	25 ud	287
21034029	LN	8431927097316	20 ud	287
21034036	LN	8431927097323	10 ud	287
21034042	LN	8431927097330	5 ud	287
21034048	LN	8431927097347	5 ud	287
21035120	LN	8431927097538	100 ud	287
21035160	LN	8431927097545	50 ud	287
21035200	LN	8431927097552	50 ud	287
21035250	LN	8431927097569	25 ud	287
21035320	LN	8431927097576	20 ud	287
21035400	LN	8431927097583	10 ud	287
21035500	LN	8431927097590	5 ud	287
21035630	LN	8431927097606	5 ud	287
21036007	LN	8431927097613	100 ud	286
21036009	LN	8431927097620	50 ud	286
21036011	LN	8431927097637	50 ud	286
21036013	LN	8431927097644	50 ud	286
21036016	LN	8431927097651	50 ud	286
21036021	LN	8431927097668	25 ud	286
21036029	LN	8431927097675	10 ud	286
21036036	LN	8431927097682	10 ud	286
21036042	LN	8431927097699	5 ud	286
21036048	LN	8431927097705	5 ud	286
21037120	LN	8431927097729	100 ud	286
21037160	LN	8431927097736	50 ud	286
21037200	LN	8431927097743	50 ud	286
21037250	LN	8431927097767	25 ud	286
21037320	LN	8431927097774	10 ud	286
21037400	LN	8431927097781	10 ud	286
21037500	LN	8431927097798	5 ud	286
21037630	LN	8431927097811	5 ud	286

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2103				
21038007	LN	8431927097835	100 ud	287
21038009	LN	8431927106421	50 ud	287
21038011	LN	8431927106438	50 ud	287
21038013	LN	8431927097866	50 ud	287
21038016	LN	8431927097873	50 ud	287
21038021	LN	8431927097880	25 ud	287
21038029	LN	8431927097897	20 ud	287
21038036	LN	8431927097903	10 ud	287
21038042	LN	8431927106445	5 ud	287
21038048	LN	8431927106452	5 ud	287
21039120	LN	8431927097934	100 ud	287
21039160	LN	8431927106469	50 ud	287
21039200	LN	8431927097958	50 ud	287
21039250	LN	8431927097965	25 ud	287
21039320	LN	8431927097972	20 ud	287
21039400	LN	8431927097989	10 ud	287
21039500	LN	8431927097996	5 ud	287
21039630	LN	8431927106476	5 ud	287
2104				
21040007	RAL 7035	8431927041852	50 ud	282
21040009	RAL 7035	8431927041869	50 ud	282
21040011	RAL 7035	8431927041876	50 ud	282
21040013	RAL 7035	8431927041883	50 ud	282
21040016	RAL 7035	8431927041890	50 ud	282
21040021	RAL 7035	8431927041906	50 ud	282
21040029	RAL 7035	8431927041913	25 ud	282
21040036	RAL 7035	8431927041920	10 ud	282
21040042	RAL 7035	8431927041937	5 ud	282
21040048	RAL 7035	8431927041944	5 ud	282
21041120	RAL 7035	8431927041951	50 ud	282
21041160	RAL 7035	8431927041968	50 ud	282
21041161	RAL 7035	8431927041975	50 ud	282
21041200	RAL 7035	8431927041982	50 ud	282
21041201	RAL 7035	8431927041999	50 ud	282
21041250	RAL 7035	8431927042002	50 ud	282
21041320	RAL 7035	8431927042019	25 ud	282
21041400	RAL 7035	8431927042026	10 ud	282
21041500	RAL 7035	8431927042033	5 ud	282
21041630	RAL 7035	8431927042040	5 ud	282
21044007	RAL 7035	8431927098016	100 ud	283
21044009	RAL 7035	8431927098023	100 ud	283
21044011	RAL 7035	8431927098030	100 ud	283
21044013	RAL 7035	8431927098047	100 ud	283
21044016	RAL 7035	8431927098054	100 ud	283
21044021	RAL 7035	8431927098061	50 ud	283
21045120	RAL 7035	8431927098078	100 ud	283
21045160	RAL 7035	8431927098085	100 ud	283
21045161	RAL 7035	8431927098092	100 ud	283
21045200	RAL 7035	8431927098108	100 ud	283
21045201	RAL 7035	8431927098115	100 ud	283
21045250	RAL 7035	8431927098122	50 ud	283
21045320	RAL 7035	8431927098139	25 ud	283
21045400	RAL 7035	8431927098146	10 ud	283
21046007	RAL 7035	8431927098153	100 ud	283
21046009	RAL 7035	8431927098160	100 ud	283
21046011	RAL 7035	8431927098177	100 ud	283
21046013	RAL 7035	8431927098184	100 ud	283
21046016	RAL 7035	8431927098191	100 ud	283
21046021	RAL 7035	8431927098207	50 ud	283
21047120	RAL 7035	8431927098214	100 ud	283
21047160	RAL 7035	8431927098221	100 ud	283
21047161	RAL 7035	8431927098238	100 ud	283
21047200	RAL 7035	8431927098245	100 ud	283
21047201	RAL 7035	8431927098252	100 ud	283
21047250	RAL 7035	8431927098269	50 ud	283
21048007	RAL 7035	8431927098276	100 ud	283
21048009	RAL 7035	8431927098283	100 ud	283
21048011	RAL 7035	8431927098290	100 ud	283
21048013	RAL 7035	8431927098306	100 ud	283
21048016	RAL 7035	8431927098313	100 ud	283
21048021	RAL 7035	8431927098320	50 ud	283
21049120	RAL 7035	8431927098337	100 ud	283
21049160	RAL 7035	8431927098344	100 ud	283
21049161	RAL 7035	8431927098351	100 ud	283
21049200	RAL 7035	8431927098368	100 ud	283

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2104				
21049201	RAL 7035	8431927098375	100 ud	283
21049250	RAL 7035	8431927098382	50 ud	283
2105				
21050007	RAL 9005	8431927042057	50 ud	282
21050009	RAL 9005	8431927042064	50 ud	282
21050011	RAL 9005	8431927042071	50 ud	282
21050013	RAL 9005	8431927042088	50 ud	282
21050016	RAL 9005	8431927042095	50 ud	282
21050021	RAL 9005	8431927042101	50 ud	282
21050029	RAL 9005	8431927042118	25 ud	282
21050036	RAL 9005	8431927042125	10 ud	282
21050042	RAL 9005	8431927042132	5 ud	282
21050048	RAL 9005	8431927042149	5 ud	282
21051120	RAL 9005	8431927042156	50 ud	282
21051160	RAL 9005	8431927042163	50 ud	282
21051161	RAL 9005	8431927042170	50 ud	282
21051200	RAL 9005	8431927042187	50 ud	282
21051201	RAL 9005	8431927042194	50 ud	282
21051250	RAL 9005	8431927042200	50 ud	282
21051320	RAL 9005	8431927042217	25 ud	282
21051400	RAL 9005	8431927042224	10 ud	282
21051500	RAL 9005	8431927042231	5 ud	282
21051630	RAL 9005	8431927042248	5 ud	282
21056007	RAL 9005	8431927098399	100 ud	283
21056009	RAL 9005	8431927098405	100 ud	283
21056011	RAL 9005	8431927098412	100 ud	283
21056013	RAL 9005	8431927098429	100 ud	283
21056016	RAL 9005	8431927098436	100 ud	283
21056021	RAL 9005	8431927098443	50 ud	283
21057120	RAL 9005	8431927098450	100 ud	283
21057160	RAL 9005	8431927098467	100 ud	283
21057161	RAL 9005	8431927098474	100 ud	283
21057200	RAL 9005	8431927098481	100 ud	283
21057201	RAL 9005	8431927098498	100 ud	283
21057250	RAL 9005	8431927098504	50 ud	283
21058007	RAL 9005	8431927098511	100 ud	283
21058009	RAL 9005	8431927098528	100 ud	283
21058011	RAL 9005	8431927098535	100 ud	283
21058013	RAL 9005	8431927098542	100 ud	283
21058016	RAL 9005	8431927098559	100 ud	283
21058021	RAL 9005	8431927098566	50 ud	283
21059120	RAL 9005	8431927098573	100 ud	283
21059160	RAL 9005	8431927098580	100 ud	283
21059161	RAL 9005	8431927098597	100 ud	283
21059200	RAL 9005	8431927098603	100 ud	283
21059201	RAL 9005	8431927098610	100 ud	283
21059250	RAL 9005	8431927098627	50 ud	283
2106				
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21060009	RAL 7001	8431927044723	50 ud	282
21060011	RAL 7001	8431927044730	50 ud	282
21060013	RAL 7001	8431927044747	50 ud	282
21060016	RAL 7001	8431927044754	50 ud	282
21060021	RAL 7001	8431927044761	50 ud	282
21060029	RAL 7001	8431927044778	25 ud	282
21060036	RAL 7001	8431927044785	10 ud	282
21060042	RAL 7001	8431927044792	5 ud	282
21060048	RAL 7001	8431927044808	5 ud	282
21061120	RAL 7001	8431927044815	50 ud	282
21061160	RAL 7001	8431927044822	50 ud	282
21061161	RAL 7001	8431927044839	50 ud	282
21061200	RAL 7001	8431927044846	50 ud	282
21061201	RAL 7001	8431927044853	50 ud	282
21061250	RAL 7001	8431927044860	50 ud	282
21061320	RAL 7001	8431927044877	25 ud	282
21061400	RAL 7001	8431927044884	10 ud	282
21061500	RAL 7001	8431927044891	5 ud	282
21061630	RAL 7001	8431927044907	5 ud	282
2107				
21070007	303	8431927098634	100 ud	291
21070009	303	8431927098641	50 ud	291
21070011	303	8431927098658	50 ud	291
21070013	303	8431927098665	50 ud	291

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2107				
21071120	303	8431927098672	100 ud	291
21071160	303	8431927098689	50 ud	291
21071161	303	8431927098696	50 ud	291
21071200	303	8431927098702	50 ud	291
21072007	303	8431927098719	100 ud	291
21072009	303	8431927098726	50 ud	291
21072011	303	8431927098733	50 ud	291
21072013	303	8431927098740	50 ud	291
21073120	303	8431927098795	100 ud	291
21073160	303	8431927098801	50 ud	291
21073161	303	8431927098818	50 ud	291
21074007	LN	8431927098757	100 ud	291
21074009	LN	8431927098764	50 ud	291
21074011	LN	8431927098771	50 ud	291
21074013	LN	8431927098788	50 ud	291
21075120	LN	8431927098825	100 ud	291
21075160	LN	8431927098832	50 ud	291
21075161	LN	8431927098849	50 ud	291
21075200	LN	8431927098856	50 ud	291
21076007	LN	8431927098863	100 ud	291
21076009	LN	8431927098870	50 ud	291
21076011	LN	8431927098887	50 ud	291
21076013	LN	8431927098894	50 ud	291
21077120	LN	8431927098900	100 ud	291
21077160	LN	8431927098917	50 ud	291
21077161	LN	8431927098924	50 ud	291
2108				
21080007	LN	8431927099099	100 ud	288
21080009	LN	8431927099105	50 ud	288
21080011	LN	8431927099112	50 ud	288
21080013	LN	8431927099129	50 ud	288
21080016	LN	8431927099136	50 ud	288
21080021	LN	8431927099143	25 ud	288
21081120	LN	8431927099150	100 ud	288
21081160	LN	8431927099167	50 ud	288
21081200	LN	8431927099174	50 ud	288
21081250	LN	8431927099181	50 ud	288
21081320	LN	8431927099198	50 ud	288
21082007	LN	8431927099204	100 ud	288
21082009	LN	8431927099211	50 ud	288
21082011	LN	8431927099228	50 ud	288
21082013	LN	8431927099235	50 ud	288
21082016	LN	8431927099242	50 ud	288
21082021	LN	8431927099259	25 ud	288
21083120	LN	8431927099266	100 ud	288
21083160	LN	8431927099273	50 ud	288
21083200	LN	8431927099280	50 ud	288
21083250	LN	8431927099297	50 ud	288
21083320	LN	8431927099303	50 ud	288
21084007	303	8431927097439	100 ud	290
21084009	303	8431927097446	50 ud	290
21084011	303	8431927097453	50 ud	290
21084013	303	8431927097460	50 ud	290
21084016	303	8431927097477	50 ud	290
21084021	303	8431927097484	25 ud	290
21084029	303	8431927097491	20 ud	290
21084036	303	8431927097507	10 ud	290
21084042	303	8431927097514	5 ud	290
21084048	303	8431927097521	5 ud	290
21085120	303	8431927097354	100 ud	290
21085160	303	8431927097361	50 ud	290
21085200	303	8431927097378	50 ud	290
21085250	303	8431927097385	25 ud	290
21085320	303	8431927097392	20 ud	290
21085400	303	8431927097408	10 ud	290
21085500	303	8431927097415	5 ud	290
21085630	303	8431927097422	5 ud	290
21087630	LN	8431927099051	5 ud	288
21087750	LN	8431927099068	2 ud	288
21087800	LN	8431927099075	2 ud	288
21087900	LN	8431927099082	1 ud	288
2113				
21130016	LN	8431927116239	50 ud	289
21130021	LN	8431927116246	50 ud	289

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2113				
21130029	LN	8431927116253	25 ud	289
21130036	LN	8431927116260	10 ud	289
21130042	LN	8431927116277	5 ud	289
21130048	LN	8431927116284	5 ud	289
21131250	LN	8431927116291	25 ud	289
21131320	LN	8431927116307	25 ud	289
21131400	LN	8431927116314	10 ud	289
21131500	LN	8431927116321	5 ud	289
21131630	LN	8431927116338	5 ud	289
2114				
21140016	RAL 7035	8431927116345	50 ud	284
21140021	RAL 7035	8431927116352	50 ud	284
21140029	RAL 7035	8431927116369	25 ud	284
21140036	RAL 7035	8431927116376	10 ud	284
21140042	RAL 7035	8431927116383	5 ud	284
21140048	RAL 7035	8431927116390	5 ud	284
21141201	RAL 7035	8431927116406	50 ud	284
21141250	RAL 7035	8431927116413	50 ud	284
21141320	RAL 7035	8431927116420	25 ud	284
21141400	RAL 7035	8431927116437	10 ud	284
21141500	RAL 7035	8431927116444	5 ud	284
21141630	RAL 7035	8431927116451	5 ud	284
2115				
21150016	RAL 9005	8431927116468	50 ud	284
21150021	RAL 9005	8431927116475	50 ud	284
21150029	RAL 9005	8431927116482	25 ud	284
21150036	RAL 9005	8431927116499	10 ud	284
21150042	RAL 9005	8431927116505	5 ud	284
21150048	RAL 9005	8431927116512	5 ud	284
21151201	RAL 9005	8431927116529	50 ud	284
21151250	RAL 9005	8431927116536	50 ud	284
21151320	RAL 9005	8431927116543	25 ud	284
21151400	RAL 9005	8431927116550	10 ud	284
21151500	RAL 9005	8431927116567	5 ud	284
21151630	RAL 9005	8431927116574	5 ud	284
2116				
21160016	RAL 7001	8431927116581	50 ud	284
21160021	RAL 7001	8431927116598	50 ud	284
21160029	RAL 7001	8431927116604	25 ud	284
21160036	RAL 7001	8431927116611	10 ud	284
21160042	RAL 7001	8431927116628	5 ud	284
21160048	RAL 7001	8431927116635	5 ud	284
21161201	RAL 7001	8431927116642	50 ud	284
21161250	RAL 7001	8431927116659	50 ud	284
21161320	RAL 7001	8431927116666	25 ud	284
21161400	RAL 7001	8431927116673	10 ud	284
21161500	RAL 7001	8431927116680	5 ud	284
21161630	RAL 7001	8431927116697	5 ud	284
2123				
21230009	LN	8431927116703	50 ud	289
21230011	LN	8431927116710	50 ud	289
21231160	LN	8431927116727	50 ud	289
2124				
21240009	RAL 7035	8431927116734	50 ud	284
21240011	RAL 7035	8431927116741	50 ud	284
21241160	RAL 7035	8431927116758	50 ud	284
21241161	RAL 7035	8431927116765	50 ud	284
2125				
21250009	RAL 9005	8431927116772	50 ud	284
21250011	RAL 9005	8431927116789	50 ud	284
21251160	RAL 9005	8431927116796	50 ud	284
21251161	RAL 9005	8431927116802	50 ud	284
2126				
21260009	RAL 7001	8431927116819	50 ud	284
21260011	RAL 7001	8431927116826	50 ud	284
21261160	RAL 7001	8431927116833	50 ud	284
21261161	RAL 7001	8431927116840	50 ud	284
2133				
21330011	LN	8431927116857	50 ud	289

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2133				
21330013	LN	8431927116864	50 ud	289
21330016	LN	8431927116871	50 ud	289
21330021	LN	8431927116888	50 ud	289
21331200	LN	8431927116895	50 ud	289
21331250	LN	8431927116901	25 ud	289
21331320	LN	8431927116918	25 ud	289
2134				
21340011	RAL 7035	8431927116925	50 ud	284
21340013	RAL 7035	8431927116932	50 ud	284
21340016	RAL 7035	8431927116949	50 ud	284
21340021	RAL 7035	8431927116956	50 ud	284
21341161	RAL 7035	8431927116963	50 ud	284
21341200	RAL 7035	8431927116970	50 ud	284
21341201	RAL 7035	8431927116987	50 ud	284
21341250	RAL 7035	8431927116994	50 ud	284
2135				
21350011	RAL 9005	8431927117007	50 ud	284
21350013	RAL 9005	8431927117014	50 ud	284
21350016	RAL 9005	8431927117021	50 ud	284
21350021	RAL 9005	8431927117038	50 ud	284
21351161	RAL 9005	8431927117045	50 ud	284
21351200	RAL 9005	8431927117052	50 ud	284
21351201	RAL 9005	8431927117069	50 ud	284
21351250	RAL 9005	8431927117076	50 ud	284
2136				
21360011	RAL 7001	8431927117083	50 ud	284
21360013	RAL 7001	8431927117090	50 ud	284
21360016	RAL 7001	8431927117106	50 ud	284
21360021	RAL 7001	8431927117113	50 ud	284
21361161	RAL 7001	8431927117120	50 ud	284
21361200	RAL 7001	8431927117137	50 ud	284
21361201	RAL 7001	8431927117144	50 ud	284
21361250	RAL 7001	8431927117151	50 ud	284
2143				
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21430021	LN	8431927117175	50 ud	289
21430029	LN	8431927117182	25 ud	289
21431160	LN	8431927117199	50 ud	289
21431320	LN	8431927117205	25 ud	289
21431400	LN	8431927117212	10 ud	289
2144				
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21440021	RAL 7035	8431927117236	50 ud	284
21440029	RAL 7035	8431927117243	25 ud	284
21441160	RAL 7035	8431927117250	50 ud	284
21441250	RAL 7035	8431927117267	50 ud	284
21441320	RAL 7035	8431927117274	25 ud	284
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21450021	RAL 9005	8431927117298	50 ud	284
21450029	RAL 9005	8431927117304	25 ud	284
21451160	RAL 9005	8431927117311	50 ud	284
21451250	RAL 9005	8431927117328	50 ud	284
21451320	RAL 9005	8431927117335	25 ud	284
2146				
21460009	RAL 7001	8431927117342	50 ud	284
21460021	RAL 7001	8431927117359	50 ud	284
21460029	RAL 7001	8431927117366	25 ud	284
21461160	RAL 7001	8431927117373	50 ud	284
21461250	RAL 7001	8431927117380	50 ud	284
21461320	RAL 7001	8431927117397	25 ud	284
2153				
21530011	LN	8431927117403	50 ud	289
21530013	LN	8431927117410	50 ud	289
21530016	LN	8431927117427	50 ud	289
21530021	LN	8431927117434	50 ud	289
21531200	LN	8431927117441	50 ud	289
21531250	LN	8431927117458	25 ud	289
21531320	LN	8431927117465	25 ud	289

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21540013	RAL 7035	8431927117489	50 ud	284
21540016	RAL 7035	8431927117496	50 ud	284
21540021	RAL 7035	8431927117502	50 ud	284
21541161	RAL 7035	8431927117519	50 ud	284
21541200	RAL 7035	8431927117526	50 ud	284
21541201	RAL 7035	8431927117533	50 ud	284
21541250	RAL 7035	8431927117540	50 ud	284
2155				
21550011	RAL 9005	8431927117557	50 ud	284
21550013	RAL 9005	8431927117564	50 ud	284
21550016	RAL 9005	8431927117571	50 ud	284
21550021	RAL 9005	8431927117588	50 ud	284
21551161	RAL 9005	8431927117595	50 ud	284
21551200	RAL 9005	8431927117601	50 ud	284
21551201	RAL 9005	8431927117618	50 ud	284
21551250	RAL 9005	8431927117625	50 ud	284
2156				
21560011	RAL 7001	8431927117632	50 ud	284
21560013	RAL 7001	8431927117649	50 ud	284
21560016	RAL 7001	8431927117656	50 ud	284
21560021	RAL 7001	8431927117663	50 ud	284
21561161	RAL 7001	8431927117670	50 ud	284
21561200	RAL 7001	8431927117687	50 ud	284
21561201	RAL 7001	8431927117694	50 ud	284
21561250	RAL 7001	8431927117700	50 ud	284
2163				
21630009	LN	8431927117717	50 ud	289
21630016	LN	8431927117724	50 ud	289
21630021	LN	8431927117731	50 ud	289
21631160	LN	8431927117748	50 ud	289
21631250	LN	8431927117755	25 ud	289
21631320	LN	8431927117762	25 ud	289
2164				
21640009	RAL 7035	8431927117779	50 ud	284
21640016	RAL 7035	8431927117786	50 ud	284
21640021	RAL 7035	8431927117793	50 ud	284
21641160	RAL 7035	8431927117809	50 ud	284
21641201	RAL 7035	8431927117816	50 ud	284
21641250	RAL 7035	8431927117823	50 ud	284
2165				
21650009	RAL 9005	8431927117830	50 ud	284
21650016	RAL 9005	8431927117847	50 ud	284
21650021	RAL 9005	8431927117854	50 ud	284
21651160	RAL 9005	8431927117861	50 ud	284
21651201	RAL 9005	8431927117878	50 ud	284
21651250	RAL 9005	8431927117885	50 ud	284
2166				
21660009	RAL 7001	8431927117892	50 ud	284
21660016	RAL 7001	8431927117908	50 ud	284
21660021	RAL 7001	8431927117915	50 ud	284
21661160	RAL 7001	8431927117922	50 ud	284
21661201	RAL 7001	8431927117939	50 ud	284
21661250	RAL 7001	8431927117946	50 ud	284
2183				
21830021	LN	8431927117953	50 ud	289
21830029	LN	8431927117960	25 ud	289
21831320	LN	8431927117977	25 ud	289
21831400	LN	8431927117984	10 ud	289
2184				
21840021	RAL 7035	8431927117991	50 ud	284
21840029	RAL 7035	8431927118004	25 ud	284
21841250	RAL 7035	8431927118011	50 ud	284
21841320	RAL 7035	8431927118028	25 ud	284
2185				
21850021	RAL 9005	8431927118035	50 ud	284
21850029	RAL 9005	8431927118042	25 ud	284
21851250	RAL 9005	8431927118059	50 ud	284

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2185				
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2186				
21860021	RAL 7001	8431927118073	50 ud	284
21860029	RAL 7001	8431927118080	25 ud	284
21861250	RAL 7001	8431927118097	50 ud	284
21861320	RAL 7001	8431927118103	25 ud	284
2193				
21930013	LN	8431927118110	50 ud	290
21930016	LN	8431927118127	50 ud	290
21930021	LN	8431927118134	50 ud	290
21931200	LN	8431927118141	50 ud	290
21931250	LN	8431927118158	25 ud	290
21931320	LN	8431927118165	25 ud	290
2194				
21940013	RAL 7035	8431927118172	50 ud	285
21940016	RAL 7035	8431927118189	50 ud	285
21940021	RAL 7035	8431927118196	50 ud	285
21941200	RAL 7035	8431927118202	50 ud	285
21941250	RAL 7035	8431927118219	50 ud	285
2195				
21950013	RAL 9005	8431927118226	50 ud	285
21950016	RAL 9005	8431927118233	50 ud	285
21950021	RAL 9005	8431927118240	50 ud	285
21951200	RAL 9005	8431927118257	50 ud	285
21951250	RAL 9005	8431927118264	50 ud	285
2196				
21960013	RAL 7001	8431927118271	50 ud	285
21960016	RAL 7001	8431927118288	50 ud	285
21960021	RAL 7001	8431927118295	50 ud	285
21961200	RAL 7001	8431927118301	50 ud	285
21961250	RAL 7001	8431927118318	50 ud	285
2201				
22010007	RAL 7035	8431927001139	50 ud	293
22010009	RAL 7035	8431927001146	50 ud	293
22010011	RAL 7035	8431927001153	50 ud	293
22010013	RAL 7035	8431927001160	50 ud	293
22010016	RAL 7035	8431927001177	50 ud	293
22010021	RAL 7035	8431927001184	50 ud	293
22010029	RAL 7035	8431927001191	25 ud	293
22010036	RAL 7035	8431927001207	10 ud	293
22010048	RAL 7035	8431927001214	5 ud	293
22011120	RAL 7035	8431927001221	50 ud	293
22011160	RAL 7035	8431927001238	50 ud	293
22011161	RAL 7035	8431927001245	50 ud	293
22011200	RAL 7035	8431927001252	50 ud	293
22011201	RAL 7035	8431927001269	50 ud	293
22011250	RAL 7035	8431927001276	50 ud	293
22011320	RAL 7035	8431927001283	25 ud	293
22011400	RAL 7035	8431927001290	10 ud	293
22011500	RAL 7035	8431927014993	5 ud	293
22011630	RAL 7035	8431927001306	5 ud	293
22012007	RAL 9005	8431927019721	50 ud	293
22012009	RAL 9005	8431927019738	50 ud	293
22012011	RAL 9005	8431927019745	50 ud	293
22012013	RAL 9005	8431927019752	50 ud	293
22012016	RAL 9005	8431927019769	50 ud	293
22012021	RAL 9005	8431927019776	50 ud	293
22012029	RAL 9005	8431927019783	25 ud	293
22012036	RAL 9005	8431927019790	10 ud	293
22012048	RAL 9005	8431927019806	5 ud	293
22013120	RAL 9005	8431927019813	50 ud	293
22013160	RAL 9005	8431927019820	50 ud	293
22013161	RAL 9005	8431927019837	50 ud	293
22013200	RAL 9005	8431927019844	50 ud	293
22013201	RAL 9005	8431927019851	50 ud	293
22013250	RAL 9005	8431927019868	50 ud	293
22013320	RAL 9005	8431927019875	25 ud	293
22013400	RAL 9005	8431927019882	10 ud	293
22013500	RAL 9005	8431927019899	5 ud	293
22013630	RAL 9005	8431927019905	5 ud	293
22014007	RAL 7035	8431927019912	50 ud	293

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2201				
22014009	RAL 7035	8431927019929	50 ud	293
22014011	RAL 7035	8431927019936	50 ud	293
22014013	RAL 7035	8431927019943	50 ud	293
22014016	RAL 7035	8431927019950	50 ud	293
22014021	RAL 7035	8431927019967	50 ud	293
22014029	RAL 7035	8431927019974	25 ud	293
22014036	RAL 7035	8431927019981	10 ud	293
22014048	RAL 7035	8431927019998	5 ud	293
22015120	RAL 7035	8431927020000	50 ud	293
22015160	RAL 7035	8431927020017	50 ud	293
22015161	RAL 7035	8431927020024	50 ud	293
22015200	RAL 7035	8431927020031	50 ud	293
22015201	RAL 7035	8431927020048	50 ud	293
22015250	RAL 7035	8431927020055	50 ud	293
22015320	RAL 7035	8431927020062	25 ud	293
22015400	RAL 7035	8431927020079	10 ud	293
22015500	RAL 7035	8431927020086	5 ud	293
22015630	RAL 7035	8431927020093	5 ud	293
2202				
22020007	RAL 7035	8431927001313	50 ud	294
22020009	RAL 7035	8431927001320	50 ud	294
22020011	RAL 7035	8431927001337	50 ud	294
22020013	RAL 7035	8431927001344	50 ud	294
22020016	RAL 7035	8431927001351	25 ud	294
22020021	RAL 7035	8431927001368	20 ud	294
22021120	RAL 7035	8431927001375	50 ud	294
22021160	RAL 7035	8431927001382	50 ud	294
22021161	RAL 7035	8431927001399	50 ud	294
22021200	RAL 7035	8431927001405	50 ud	294
22021201	RAL 7035	8431927001412	25 ud	294
22021250	RAL 7035	8431927001429	20 ud	294
2203				
22031120	RAL 9005	8431927001528	50 ud	294
22031160	RAL 9005	8431927001535	50 ud	294
22031161	RAL 9005	8431927001542	50 ud	294
22031200	RAL 9005	8431927001559	50 ud	294
22031201	RAL 9005	8431927001566	50 ud	294
22031250	RAL 9005	8431927001573	50 ud	294
22031320	RAL 9005	8431927001580	25 ud	294
22031400	RAL 9005	8431927001597	10 ud	294
22031500	RAL 9005	8431927015006	5 ud	294
22031630	RAL 9005	8431927001603	5 ud	294
2204				
22040120	316L	8431927090829	10 ud	296
22040160	316L	8431927090836	10 ud	296
22040200	316L	8431927090843	5 ud	296
22040250	316L	8431927090850	5 ud	296
2205				
22050007	LN	8431927001610	50 ud	294
22050009	LN	8431927001627	50 ud	294
22050011	LN	8431927001634	50 ud	294
22050013	LN	8431927001641	50 ud	294
22050016	LN	8431927001658	50 ud	294
22050021	LN	8431927001665	25 ud	294
22050029	LN	8431927001672	25 ud	294
22050036	LN	8431927001689	10 ud	294
22050048	LN	8431927001696	5 ud	294
22051120	LN	8431927001702	50 ud	294
22051160	LN	8431927001719	50 ud	294
22051161	LN	8431927001726	50 ud	294
22051200	LN	8431927001733	50 ud	294
22051201	LN	8431927001740	50 ud	294
22051250	LN	8431927001757	25 ud	294
22051320	LN	8431927001764	25 ud	294
22051400	LN	8431927001771	10 ud	294
22051500	LN	8431927015013	5 ud	294
22051630	LN	8431927001788	5 ud	294
2206				
22060120	LN	8431927020109	50 ud	295
22060160	LN	8431927020116	50 ud	295
22060161	LN	8431927020123	50 ud	295
22060200	LN	8431927020130	50 ud	295

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2206				
22060201	LN	8431927020147	50 ud	295
22060250	LN	8431927020154	25 ud	295
22060320	LN	8431927020161	25 ud	295
22060400	LN	8431927020178	10 ud	295
22060500	LN	8431927020185	5 ud	295
22060501	LN	8431927020192	5 ud	295
22060630	LN	8431927020208	5 ud	295
22060631	LN	8431927020215	5 ud	295
2207				
22070120	304	8431927020222	10 ud	296
22070160	304	8431927020239	10 ud	296
22070200	304	8431927020246	10 ud	296
22070250	304	8431927020253	10 ud	296
22070320	304	8431927020260	5 ud	296
22070400	304	8431927020277	5 ud	296
2208				
22080007	LN	8431927020284	50 ud	295
22080009	LN	8431927020291	50 ud	295
22080011	LN	8431927020307	50 ud	295
22080013	LN	8431927020314	50 ud	295
22080016	LN	8431927020321	50 ud	295
22080021	LN	8431927020338	25 ud	295
22080029	LN	8431927020345	25 ud	295
22080036	LN	8431927020352	10 ud	295
22080048	LN	8431927020369	5 ud	295
22081120	LN	8431927020376	50 ud	295
22081160	LN	8431927020383	50 ud	295
22081161	LN	8431927020390	50 ud	295
22081200	LN	8431927020406	50 ud	295
22081201	LN	8431927020413	50 ud	295
22081250	LN	8431927020420	25 ud	295
22081320	LN	8431927020437	25 ud	295
22081400	LN	8431927020444	10 ud	295
22081500	LN	8431927020451	5 ud	295
22081630	LN	8431927020468	5 ud	295
2209				
22090120	LN	8431927020475	50 ud	296
22090160	LN	8431927020482	50 ud	296
22090200	LN	8431927020499	50 ud	296
22090250	LN	8431927020505	25 ud	296
22090320	LN	8431927020512	25 ud	296
22090400	LN	8431927020529	10 ud	296
22090500	LN	8431927020536	5 ud	296
22090630	LN	8431927020543	5 ud	296
3001				
30010007	RAL 7001	8431927001795	100 ud	236, 252
30010009	RAL 7001	8431927001801	100 ud	236, 252
30010011	RAL 7001	8431927001818	50 ud	236, 252
30010013	RAL 7001	8431927001825	50 ud	236, 252
30010016	RAL 7001	8431927001832	25 ud	236, 252
30010021	RAL 7001	8431927001849	25 ud	236, 252
30010029	RAL 7001	8431927001856	10 ud	236, 252
30010036	RAL 7001	8431927001863	8 ud	236, 252
30010048	RAL 7001	8431927001870	5 ud	236, 252
30011160	RAL 7001	8431927001894	100 ud	236, 252
30011200	RAL 7001	8431927001900	50 ud	236, 252
30011201	RAL 7001	8431927001917	50 ud	236, 252
30011250	RAL 7001	8431927001924	25 ud	236, 252
30011320	RAL 7001	8431927001931	25 ud	236, 252
30011400	RAL 7001	8431927001948	10 ud	236, 252
30011500	RAL 7001	8431927001955	8 ud	236, 252
30011630	RAL 7001	8431927001962	5 ud	236, 252
3101				
31010007	RAL 7011	8431927001979	50 ud	260
31010009	RAL 7011	8431927001986	50 ud	260
31010011	RAL 7011	8431927001993	50 ud	260
31010013	RAL 7011	8431927002006	50 ud	260
31010107	RAL 7011	8431927002013	50 ud	260
31010109	RAL 7011	8431927002020	50 ud	260
31010111	RAL 7011	8431927002037	50 ud	260
31010113	RAL 7011	8431927002044	50 ud	260
31010209	RAL 7011	8431927002051	50 ud	260

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31010211	RAL 7011	8431927002068	50 ud	260
31010213	RAL 7011	8431927002075	50 ud	260
31010411	RAL 7011	8431927022868	50 ud	260
31010413	RAL 7011	8431927002082	50 ud	260
31010416	RAL 7011	8431927002099	50 ud	260
31010421	RAL 7011	8431927022875	50 ud	260
31010516	RAL 7011	8431927002105	30 ud	260
31010521	RAL 7011	8431927002112	30 ud	260
31010629	RAL 7011	8431927002129	30 ud	260
31010729	RAL 7011	8431927022882	10 ud	260
31010736	RAL 7011	8431927002136	10 ud	260
31010848	RAL 7011	8431927002143	10 ud	260
31012012	RAL 7011	8431927022646	50 ud	260
31012016	RAL 7011	8431927022653	50 ud	260
31012020	RAL 7011	8431927022660	50 ud	260
31012112	RAL 7011	8431927002150	50 ud	260
31012116	RAL 7011	8431927002167	50 ud	260
31012120	RAL 7011	8431927022677	50 ud	260
31012216	RAL 7011	8431927002174	50 ud	260
31012220	RAL 7011	8431927022684	50 ud	260
31012420	RAL 7011	8431927002181	50 ud	260
31012425	RAL 7011	8431927022691	50 ud	260
31012432	RAL 7011	8431927022707	50 ud	260
31012525	RAL 7011	8431927002198	30 ud	260
31012532	RAL 7011	8431927022714	30 ud	260
31012632	RAL 7011	8431927002204	30 ud	260
31012640	RAL 7011	8431927022721	30 ud	260
31012740	RAL 7011	8431927002211	10 ud	260
31012750	RAL 7011	8431927022738	10 ud	260
31012850	RAL 7011	8431927002228	10 ud	260
31012863	RAL 7011	8431927022745	10 ud	260
31013116	RAL 7011	8431927022929	30 ud	265
31013120	RAL 7011	8431927022936	30 ud	265
31013216	RAL 7011	8431927022943	30 ud	265
31013220	RAL 7011	8431927022950	30 ud	265
31013420	RAL 7011	8431927022967	30 ud	265
31013425	RAL 7011	8431927022974	30 ud	265
31013525	RAL 7011	8431927022981	30 ud	265
31013532	RAL 7011	8431927022998	30 ud	265
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31013640	RAL 7011	8431927023018	20 ud	265
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31013863	RAL 7011	8431927023032	10 ud	265
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31050800	RAL 7011	8431927002570	10 ud	265
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31072116	RAL 7011	8431927025418	30 ud	268
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31096800	RAL 7011	8431927003003	20 ud	271
31097000	RAL 7011	8431927003010	50 ud	271
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31101116	RAL 7011	8431927023179	50 ud	261
31101120	RAL 7011	8431927023186	50 ud	261
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31101220	RAL 7011	8431927023209	50 ud	261
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31111420	RAL 7011	8431927023827	50 ud	262
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31120425	RAL 7011	8431927024626	50 ud	264
31120525	RAL 7011	8431927040831	30 ud	264
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31120632	RAL 7011	8431927040848	30 ud	264
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31120750	RAL 7011	8431927024657	10 ud	264
31120850	RAL 7011	8431927040862	10 ud	264
31120863	RAL 7011	8431927024664	10 ud	264
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31121640	RAL 7011	8431927024824	20 ud	266
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31121863	RAL 7011	8431927024848	10 ud	266
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31130632	RAL 7011	8431927040961	30 ud	264
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31130863	RAL 7011	8431927025029	10 ud	264
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31131863	RAL 7011	8431927025203	10 ud	267
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31140629	RAL 7011	8431927025340	30 ud	268
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32010113	RAL 9005	8431927003102	50 ud	260

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32010411	RAL 9005	8431927022899	50 ud	260
32010413	RAL 9005	8431927003140	50 ud	260
32010416	RAL 9005	8431927003157	50 ud	260
32010421	RAL 9005	8431927022905	50 ud	260
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32010521	RAL 9005	8431927003171	30 ud	260
32010629	RAL 9005	8431927003188	30 ud	260
32010729	RAL 9005	8431927022912	10 ud	260
32010736	RAL 9005	8431927003195	10 ud	260
32010848	RAL 9005	8431927003201	10 ud	260
32012012	RAL 9005	8431927022752	50 ud	260
32012016	RAL 9005	8431927022769	50 ud	260
32012020	RAL 9005	8431927022776	50 ud	260
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32012116	RAL 9005	8431927003225	50 ud	260
32012120	RAL 9005	8431927022783	50 ud	260
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32012432	RAL 9005	8431927022813	50 ud	260
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32012532	RAL 9005	8431927022820	30 ud	260
32012632	RAL 9005	8431927003263	30 ud	260
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32012863	RAL 9005	8431927022851	10 ud	260
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32013532	RAL 9005	8431927023117	30 ud	265
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32013750	RAL 9005	8431927023148	10 ud	265
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32020848	RAL 9005	8431927003362	10 ud	262
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32030629	RAL 9005	8431927003423	30 ud	263
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32040109	RAL 9005	8431927003454	50 ud	263
32040111	RAL 9005	8431927003461	50 ud	263
32040113	RAL 9005	8431927024565	50 ud	263
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32040213	RAL 9005	8431927003485	50 ud	263
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32040521	RAL 9005	8431927003515	30 ud	263
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32042020	RAL 9005	8431927024480	50 ud	263
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32042120	RAL 9005	8431927024503	50 ud	263
32042216	RAL 9005	8431927003553	50 ud	263
32042220	RAL 9005	8431927024510	50 ud	263
32042420	RAL 9005	8431927003560	50 ud	263
32042525	RAL 9005	8431927003577	30 ud	263
32042632	RAL 9005	8431927003584	30 ud	263
32042740	RAL 9005	8431927024527	10 ud	263
32042850	RAL 9005	8431927024534	10 ud	263
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32050700	RAL 9005	8431927003621	10 ud	265
32050800	RAL 9005	8431927003638	10 ud	265
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32060111	RAL 9005	8431927003652	10 ud	270
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32065444	RAL 9005	8431927003737	10 ud	270
32065655	RAL 9005	8431927003744	10 ud	270
32065666	RAL 9005	8431927003751	10 ud	270
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32072116	RAL 9005	8431927041043	30 ud	268
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32072220	RAL 9005	8431927041067	30 ud	268
32072420	RAL 9005	8431927041074	30 ud	268
32072525	RAL 9005	8431927041081	30 ud	268
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32072863	RAL 9005	8431927041111	10 ud	268
3208				
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32095800	RAL 9005	8431927003911	20 ud	271
32096000	RAL 9005	8431927019134	100 ud	271
32096200	RAL 9005	8431927003928	50 ud	271
32096400	RAL 9005	8431927003935	50 ud	271
32096500	RAL 9005	8431927003942	50 ud	271
32096600	RAL 9005	8431927003959	30 ud	271
32096700	RAL 9005	8431927003966	20 ud	271
32096800	RAL 9005	8431927003973	20 ud	271
32097000	RAL 9005	8431927003980	50 ud	271
32097500	RAL 9005	8431927003997	100 ud	271

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3210				
32100107	RAL 9005	8431927023636	50 ud	261
32100109	RAL 9005	8431927023643	50 ud	261
32100111	RAL 9005	8431927023650	50 ud	261
32100113	RAL 9005	8431927023667	50 ud	261
32100209	RAL 9005	8431927023674	50 ud	261
32100211	RAL 9005	8431927023681	50 ud	261
32100213	RAL 9005	8431927023698	50 ud	261
32100411	RAL 9005	8431927023704	50 ud	261
32100413	RAL 9005	8431927023711	50 ud	261
32100416	RAL 9005	8431927023728	50 ud	261
32100421	RAL 9005	8431927023735	50 ud	261
32100516	RAL 9005	8431927023742	30 ud	261
32100521	RAL 9005	8431927023759	30 ud	261
32100629	RAL 9005	8431927023766	30 ud	261
32100729	RAL 9005	8431927023773	10 ud	261
32100736	RAL 9005	8431927023780	10 ud	261
32100848	RAL 9005	8431927023797	10 ud	261
32101112	RAL 9005	8431927023315	50 ud	261
32101116	RAL 9005	8431927023322	50 ud	261
32101120	RAL 9005	8431927023339	50 ud	261
32101216	RAL 9005	8431927023346	50 ud	261
32101220	RAL 9005	8431927023353	50 ud	261
32101420	RAL 9005	8431927023360	50 ud	261
32101425	RAL 9005	8431927023377	50 ud	261
32101525	RAL 9005	8431927023384	30 ud	261
32101532	RAL 9005	8431927023391	30 ud	261
32101632	RAL 9005	8431927023407	30 ud	261
32101640	RAL 9005	8431927023414	30 ud	261
32101740	RAL 9005	8431927023421	10 ud	261
32101750	RAL 9005	8431927023438	10 ud	261
32101850	RAL 9005	8431927023445	10 ud	261
32101863	RAL 9005	8431927023452	10 ud	261
32102116	RAL 9005	8431927024268	30 ud	266
32102120	RAL 9005	8431927024275	30 ud	266
32102216	RAL 9005	8431927024282	30 ud	266
32102220	RAL 9005	8431927024299	30 ud	266
32102420	RAL 9005	8431927024305	30 ud	266
32102425	RAL 9005	8431927024312	30 ud	266
32102525	RAL 9005	8431927024329	30 ud	266
32102532	RAL 9005	8431927024336	30 ud	266
32102632	RAL 9005	8431927024343	20 ud	266
32102640	RAL 9005	8431927024350	20 ud	266
32102750	RAL 9005	8431927024367	10 ud	266
32102863	RAL 9005	8431927024374	10 ud	266
3211				
32110107	RAL 9005	8431927024046	50 ud	262
32110109	RAL 9005	8431927024053	50 ud	262
32110211	RAL 9005	8431927024060	50 ud	262
32110213	RAL 9005	8431927024077	50 ud	262
32110413	RAL 9005	8431927024084	50 ud	262
32110416	RAL 9005	8431927024091	50 ud	262
32110521	RAL 9005	8431927024107	30 ud	262
32110629	RAL 9005	8431927024114	30 ud	262
32110736	RAL 9005	8431927024121	10 ud	262
32110848	RAL 9005	8431927024138	10 ud	262
32111116	RAL 9005	8431927023872	50 ud	262
32111216	RAL 9005	8431927023889	50 ud	262
32111420	RAL 9005	8431927023896	50 ud	262
32111525	RAL 9005	8431927023902	30 ud	262
32111632	RAL 9005	8431927023919	30 ud	262
32111740	RAL 9005	8431927023926	10 ud	262
32111850	RAL 9005	8431927023933	10 ud	262
3212				
32120116	RAL 9005	8431927024671	50 ud	264
32120120	RAL 9005	8431927024688	50 ud	264
32120216	RAL 9005	8431927040770	50 ud	264
32120220	RAL 9005	8431927024695	50 ud	264
32120420	RAL 9005	8431927024701	50 ud	264
32120425	RAL 9005	8431927024718	50 ud	264
32120525	RAL 9005	8431927040787	30 ud	264
32120532	RAL 9005	8431927024725	30 ud	264
32120632	RAL 9005	8431927040794	30 ud	264
32120640	RAL 9005	8431927024732	30 ud	264
32120740	RAL 9005	8431927040800	10 ud	264

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3212				
32120750	RAL 9005	8431927024749	10 ud	264
32120850	RAL 9005	8431927040817	10 ud	264
32120863	RAL 9005	8431927024756	10 ud	264
32121116	RAL 9005	8431927024855	30 ud	266
32121120	RAL 9005	8431927024862	30 ud	266
32121216	RAL 9005	8431927041241	30 ud	266
32121220	RAL 9005	8431927024879	30 ud	266
32121420	RAL 9005	8431927024886	30 ud	266
32121425	RAL 9005	8431927024893	30 ud	266
32121532	RAL 9005	8431927024909	30 ud	266
32121632	RAL 9005	8431927041258	20 ud	266
32121640	RAL 9005	8431927024916	20 ud	266
32121740	RAL 9005	8431927041265	10 ud	266
32121750	RAL 9005	8431927024923	10 ud	266
32121863	RAL 9005	8431927024930	10 ud	266
3213				
32130116	RAL 9005	8431927025036	50 ud	264
32130120	RAL 9005	8431927025043	50 ud	264
32130216	RAL 9005	8431927040893	50 ud	264
32130220	RAL 9005	8431927025050	50 ud	264
32130420	RAL 9005	8431927025067	50 ud	264
32130425	RAL 9005	8431927025074	50 ud	264
32130525	RAL 9005	8431927040909	30 ud	264
32130532	RAL 9005	8431927025081	30 ud	264
32130632	RAL 9005	8431927040916	30 ud	264
32130640	RAL 9005	8431927025098	30 ud	264
32130740	RAL 9005	8431927040923	10 ud	264
32130750	RAL 9005	8431927025104	10 ud	264
32130850	RAL 9005	8431927040930	10 ud	264
32130863	RAL 9005	8431927025111	10 ud	264
32131116	RAL 9005	8431927025210	30 ud	267
32131120	RAL 9005	8431927025227	30 ud	267
32131216	RAL 9005	8431927041180	30 ud	267
32131220	RAL 9005	8431927025234	30 ud	267
32131420	RAL 9005	8431927025241	30 ud	267
32131425	RAL 9005	8431927025258	30 ud	267
32131532	RAL 9005	8431927025265	30 ud	267
32131632	RAL 9005	8431927041197	20 ud	267
32131640	RAL 9005	8431927025272	20 ud	267
32131740	RAL 9005	8431927041203	10 ud	267
32131750	RAL 9005	8431927025289	10 ud	267
32131863	RAL 9005	8431927025296	10 ud	267
3214				
32140109	RAL 9005	8431927025357	50 ud	268
32140211	RAL 9005	8431927025364	50 ud	268
32140416	RAL 9005	8431927025371	50 ud	268
32140521	RAL 9005	8431927025388	30 ud	268
32140629	RAL 9005	8431927025395	30 ud	268
3215				
32151420	RAL 9005	8431927025586	30 ud	269
32151425	RAL 9005	8431927025593	30 ud	269
32151632	RAL 9005	8431927040992	20 ud	269
32151740	RAL 9005	8431927041005	10 ud	269
3301				
33010052	RAL 7011	8431927019097	10 ud	275
33010070	RAL 7011	8431927004000	10 ud	275
33010095	RAL 7011	8431927004017	10 ud	275
3302				
33020070	RAL 7011	8431927004024	10 ud	275
33020095	RAL 7011	8431927004031	10 ud	275
3303				
33030070	RAL 7011	8431927004048	10 ud	275
33030095	RAL 7011	8431927004055	10 ud	275
3305				
33050052	RAL 9005	8431927019103	10 ud	275
33050070	RAL 9005	8431927004062	10 ud	275
33050095	RAL 9005	8431927004079	10 ud	275
3306				
33060070	RAL 9005	8431927025678	10 ud	275

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3306				
33060095	RAL 9005	8431927025685	10 ud	275
3307				
33070070	RAL 9005	8431927025692	10 ud	275
33070095	RAL 9005	8431927025708	10 ud	275
3309				
33090070	RAL 9005	8431927004086	10 ud	276
33090095	RAL 9005	8431927004093	10 ud	276
33090170	RAL 9005	8431927004109	10 ud	276
33090195	RAL 9005	8431927004116	10 ud	276
33090270	EZ	8431927004123	10 ud	276
33090295	EZ	8431927004130	10 ud	276
3310				
33100036	RAL 9005	8431927025715	10 ud	274
33100048	RAL 9005	8431927025722	10 ud	274
33100052	RAL 9005	8431927025739	10 ud	274
33100070	RAL 9005	8431927025746	10 ud	274
3311				
33110036	RAL 9005	8431927025753	10 ud	274
33110048	RAL 9005	8431927025760	10 ud	274
33110052	RAL 9005	8431927025777	10 ud	274
33110070	RAL 9005	8431927025784	10 ud	274
33110170	RAL 9005	8431927025791	10 ud	274
3312				
33120052	RAL 9005	8431927025807	10 ud	274
33120070	RAL 9005	8431927025814	10 ud	274
3313				
33130070	RAL 9005	8431927019080	10 ud	274
3501				
35010007	RAL 7001	8431927004208	100 ud	252
35010009	RAL 7001	8431927004215	100 ud	252
35010011	RAL 7001	8431927004222	50 ud	252
35010013	RAL 7001	8431927004239	50 ud	252
35010016	RAL 7001	8431927004246	25 ud	252
35010021	RAL 7001	8431927004253	25 ud	252
35010029	RAL 7001	8431927004260	10 ud	252
35010036	RAL 7001	8431927004277	8 ud	252
35010048	RAL 7001	8431927004284	5 ud	252
35011160	RAL 7001	8431927004307	100 ud	252
35011200	RAL 7001	8431927004314	50 ud	252
35011201	RAL 7001	8431927004321	50 ud	252
35011250	RAL 7001	8431927004338	25 ud	252
35011320	RAL 7001	8431927004345	25 ud	252
35011400	RAL 7001	8431927004352	10 ud	252
35011500	RAL 7001	8431927004369	8 ud	252
35011630	RAL 7001	8431927004376	5 ud	252
35012160	RAL 7035	8431927046369	100 ud	236, 252
35012200	RAL 7035	8431927046376	50 ud	236, 252
35012201	RAL 7035	8431927046383	50 ud	236, 252
35012250	RAL 7035	8431927046406	25 ud	236, 252
35012320	RAL 7035	8431927046420	25 ud	236, 252
35012400	RAL 7035	8431927046444	10 ud	236, 252
35012500	RAL 7035	8431927046451	8 ud	236, 252
35012630	RAL 7035	8431927046468	5 ud	236, 252
3502				
35020007	RAL 7001	8431927004383	100 ud	253
35020009	RAL 7001	8431927004390	100 ud	253
35020011	RAL 7001	8431927004406	50 ud	253
35020013	RAL 7001	8431927004413	50 ud	253
35020016	RAL 7001	8431927004420	25 ud	253
35020021	RAL 7001	8431927004437	25 ud	253
35020029	RAL 7001	8431927004444	10 ud	253
35020036	RAL 7001	8431927004451	8 ud	253
35020048	RAL 7001	8431927004468	5 ud	253
35021120	RAL 7001	8431927004475	100 ud	253
35021160	RAL 7001	8431927004482	100 ud	253
35021200	RAL 7001	8431927004499	50 ud	253
35021201	RAL 7001	8431927004505	50 ud	253
35021250	RAL 7001	8431927004512	25 ud	253
35021320	RAL 7001	8431927004529	25 ud	253

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3502				
35021400	RAL 7001	8431927004536	10 ud	253
35021500	RAL 7001	8431927004543	8 ud	253
35021630	RAL 7001	8431927004550	5 ud	253
3601				
36010013	RAL 7031	8431927004666	50 ud	260
3700				
37003107	RAL 7035	8431927012296	100 ud	255
37003109	RAL 7035	8431927012302	100 ud	255
37003111	RAL 7035	8431927012319	100 ud	255
37003113	RAL 7035	8431927012326	50 ud	255
37003116	RAL 7035	8431927012333	50 ud	255
37003121	RAL 7035	8431927012340	25 ud	255
37003129	RAL 7035	8431927012357	20 ud	255
37003136	RAL 7035	8431927012364	10 ud	255
37003148	RAL 7035	8431927012371	5 ud	255
3702				
37020007	LN	8431927004727	100 ud	253
37020009	LN	8431927004734	100 ud	253
37020011	LN	8431927004741	100 ud	253
37020013	LN	8431927004758	50 ud	253
37020016	LN	8431927004765	50 ud	253
37020021	LN	8431927004772	25 ud	253
37020029	LN	8431927004789	20 ud	253
37020036	LN	8431927004796	10 ud	253
37020048	LN	8431927004802	5 ud	253
37021120	LN	8431927004819	100 ud	253
37021160	LN	8431927004826	100 ud	253
37021200	LN	8431927004833	100 ud	253
37021201	LN	8431927004840	50 ud	253
37021250	LN	8431927004857	50 ud	253
37021320	LN	8431927004864	25 ud	253
37021400	LN	8431927004871	20 ud	253
37021500	LN	8431927004888	10 ud	253
37021630	LN	8431927004895	5 ud	253
37025007	LN	8431927118325	100 ud	254
37025009	LN	8431927118332	100 ud	254
37025011	LN	8431927118349	100 ud	254
37025013	LN	8431927118356	50 ud	254
37025016	LN	8431927118363	50 ud	254
37025021	LN	8431927118370	25 ud	254
37025029	LN	8431927118387	20 ud	254
37025036	LN	8431927118394	10 ud	254
37025048	LN	8431927118400	5 ud	254
37026120	LN	8431927118417	100 ud	254
37026160	LN	8431927118424	100 ud	254
37026200	LN	8431927118431	100 ud	254
37026201	LN	8431927118448	50 ud	254
37026250	LN	8431927118455	50 ud	254
37026320	LN	8431927118462	25 ud	254
37026400	LN	8431927118479	20 ud	254
37026500	LN	8431927118486	10 ud	254
37026630	LN	8431927118493	5 ud	254
3703				
37031160	LN	8431927015068	100 ud	242
37031201	LN	8431927015075	100 ud	242
37031250	LN	8431927015082	50 ud	242
37031320	LN	8431927015099	25 ud	242
37031400	LN	8431927015105	20 ud	242
37031500	LN	8431927015112	10 ud	242
37031630	LN	8431927015129	5 ud	242
3704				
37041120	LN	8431927096104	100 ud	254
37041160	LN	8431927096111	100 ud	254
37041200	LN	8431927096128	100 ud	254
37041201	LN	8431927096135	50 ud	254
37041250	LN	8431927096142	50 ud	254
37041320	LN	8431927096159	25 ud	254
37041400	LN	8431927096166	20 ud	254
37041500	LN	8431927096173	10 ud	254
37041630	LN	8431927096180	5 ud	254
37046120	LN	8431927118509	100 ud	254
37046160	LN	8431927118516	100 ud	254

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3704				
37046200	LN	8431927118523	100 ud	254
37046201	LN	8431927118530	50 ud	254
37046250	LN	8431927118547	50 ud	254
37046320	LN	8431927118554	25 ud	254
37046400	LN	8431927118561	20 ud	254
37046500	LN	8431927118578	10 ud	254
37046630	LN	8431927118585	5 ud	254
3909				
39090007	RAL 5024	8431927021328	500 ud	301
39090009	RAL 5024	8431927021335	500 ud	301
39090011	RAL 5024	8431927021342	500 ud	301
39090013	RAL 5024	8431927021359	500 ud	301
39090016	RAL 5024	8431927021366	500 ud	301
39090021	RAL 5024	8431927021373	500 ud	301
39090029	RAL 5024	8431927021380	250 ud	301
39090036	RAL 5024	8431927021397	100 ud	301
39090048	RAL 5024	8431927021403	50 ud	301
39090112	RAL 5024	8431927021410	500 ud	301
39090116	RAL 5024	8431927021427	500 ud	301
39090120	RAL 5024	8431927021434	500 ud	301
39090125	RAL 5024	8431927021441	500 ud	301
39090132	RAL 5024	8431927021458	250 ud	301
39090140	RAL 5024	8431927021465	100 ud	301
39090150	RAL 5024	8431927021472	50 ud	301
39090163	RAL 5024	8431927021489	50 ud	301
39091000	RAL 9010	8431927005090	50 ud	273
39091100	RAL 9010	8431927005106	50 ud	273
39091200	RAL 9010	8431927005113	50 ud	273
39091400	RAL 9010	8431927005120	50 ud	273
39091500	RAL 9010	8431927005137	30 ud	273
39091600	RAL 9010	8431927005144	30 ud	273
39091700	RAL 9010	8431927005151	10 ud	273
39091800	RAL 9010	8431927005168	10 ud	273
39092007	RAL 5024	8431927005175	100 ud	256, 273
39092009	RAL 5024	8431927005182	100 ud	256, 273
39092011	RAL 5024	8431927005199	100 ud	256, 273
39092013	RAL 5024	8431927005205	50 ud	256, 273
39092016	RAL 5024	8431927005212	50 ud	256, 273
39092021	RAL 5024	8431927005229	50 ud	256, 273
39092029	RAL 5024	8431927005236	30 ud	256, 273
39092036	RAL 5024	8431927005243	10 ud	256, 273
39092048	RAL 5024	8431927005250	10 ud	256, 273
39092112	RAL 5024	8431927021663	50 ud	256, 273
39092116	RAL 5024	8431927021670	50 ud	256, 273
39092120	RAL 5024	8431927021687	50 ud	256, 273
39092125	RAL 5024	8431927021694	50 ud	256, 273
39092132	RAL 5024	8431927021700	30 ud	256, 273
39092140	RAL 5024	8431927021717	10 ud	256, 273
39092150	RAL 5024	8431927021724	10 ud	256, 273
39092163	RAL 5024	8431927021731	10 ud	256, 273
39094208	RAL 7011	8431927005311	50 ud	269
39094412	RAL 7011	8431927005328	50 ud	269
39094518	RAL 7011	8431927005335	50 ud	269
39094608	RAL 7011	8431927005342	50 ud	269
39094612	RAL 7011	8431927005359	50 ud	269
39094618	RAL 7011	8431927005366	50 ud	269
39094730	RAL 7011	8431927005373	50 ud	269
39095000	EZ	8431927005380	100 ud	242, 255
39095100	EZ	8431927005397	100 ud	242, 255
39095200	EZ	8431927005403	100 ud	242, 255
39095400	EZ	8431927005410	100 ud	242, 255
39095500	EZ	8431927005427	50 ud	242, 255
39095600	EZ	8431927005434	30 ud	242, 255
39095700	EZ	8431927005441	20 ud	242, 255
39095800	EZ	8431927005458	20 ud	242, 255
39096007	RAL 9005	8431927021496	500 ud	256, 301
39096009	RAL 9005	8431927021502	500 ud	256, 301
39096011	RAL 9005	8431927021519	500 ud	256, 301
39096013	RAL 9005	8431927021526	500 ud	256, 301
39096016	RAL 9005	8431927021533	500 ud	256, 301
39096021	RAL 9005	8431927021540	500 ud	256, 301
39096029	RAL 9005	8431927021557	250 ud	256, 301
39096036	RAL 9005	8431927021564	100 ud	256, 301
39096048	RAL 9005	8431927021571	50 ud	256, 301
39096112	RAL 9005	8431927021588	500 ud	256, 301

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3909				
39096116	RAL 9005	8431927021595	500 ud	256, 301
39096120	RAL 9005	8431927021601	500 ud	256, 301
39096125	RAL 9005	8431927021618	500 ud	256, 301
39096132	RAL 9005	8431927021625	250 ud	256, 301
39096140	RAL 9005	8431927021632	50 ud	256, 301
39096150	RAL 9005	8431927021649	50 ud	256, 301
39096163	RAL 9005	8431927021656	50 ud	256, 301
39097208	RAL 9005	8431927025494	50 ud	269
39097412	RAL 9005	8431927025500	50 ud	269
39097518	RAL 9005	8431927025517	50 ud	269
39097608	RAL 9005	8431927025524	50 ud	269
39097612	RAL 9005	8431927025531	50 ud	269
39097618	RAL 9005	8431927025548	50 ud	269
39097730	RAL 9005	8431927025555	50 ud	269
39098100	PE	8431927025609	50 ud	271
39098200	PE	8431927025616	50 ud	271
39098400	PE	8431927025623	50 ud	271
39098500	PE	8431927025630	50 ud	271
39098600	PE	8431927025647	30 ud	271
39098700	PE	8431927025654	10 ud	271
39098800	PE	8431927025661	10 ud	271
4001				
40010007	LN	8431927005465	100 ud	256, 272, 298
40010009	LN	8431927005472	100 ud	256, 272, 298
40010011	LN	8431927005489	100 ud	256, 272, 298
40010013	LN	8431927005496	100 ud	256, 272, 298
40010016	LN	8431927005502	100 ud	256, 272, 298
40010021	LN	8431927005519	100 ud	256, 272, 298
40010029	LN	8431927005526	50 ud	256, 272, 298
40010036	LN	8431927005533	25 ud	256, 272, 298
40010042	LN	8431927021953	25 ud	256, 272, 298
40010048	LN	8431927005540	25 ud	256, 272, 298
40011120	LN	8431927005557	100 ud	256, 272, 298
40011160	LN	8431927005564	100 ud	256, 272, 298
40011200	LN	8431927005571	100 ud	256, 272, 298
40011250	LN	8431927005588	100 ud	256, 272, 298
40011320	LN	8431927005595	50 ud	256, 272, 298
40011400	LN	8431927005601	25 ud	256, 272, 298
40011500	LN	8431927005618	25 ud	256, 272, 298
40011630	LN	8431927005625	25 ud	256, 272, 298
40014160	304	8431927041487	50 ud	298
40014200	304	8431927041494	50 ud	298
40014250	304	8431927041500	25 ud	298
40014320	304	8431927041517	25 ud	298
40014400	304	8431927041524	10 ud	298
40014500	304	8431927041531	10 ud	298
40014630	304	8431927041548	10 ud	298
40015007	303	8431927100498	100 ud	298
40015009	303	8431927100504	50 ud	298
40015011	303	8431927100511	50 ud	298
40015013	303	8431927100528	50 ud	298
40015016	303	8431927100535	50 ud	298
40015021	303	8431927100542	25 ud	298
40015029	303	8431927100559	20 ud	298
40015036	303	8431927100566	10 ud	298
40015042	303	8431927100573	5 ud	298
40015048	303	8431927100580	5 ud	298
40016007	LN	8431927100597	100 ud	298
40016009	LN	8431927100603	50 ud	298
40016011	LN	8431927100610	50 ud	298
40016013	LN	8431927100627	50 ud	298
40016016	LN	8431927100634	50 ud	298
40016021	LN	8431927100641	25 ud	298
40016029	LN	8431927100658	20 ud	298
40016036	LN	8431927100665	10 ud	298
40016042	LN	8431927100672	5 ud	298
40016048	LN	8431927100689	5 ud	298
40017120	LN	8431927100696	100 ud	298
40017160	LN	8431927100702	50 ud	298
40017200	LN	8431927100719	50 ud	298
40017250	LN	8431927100726	25 ud	298
40017320	LN	8431927100733	20 ud	298
40017400	LN	8431927100740	10 ud	298
40017500	LN	8431927100757	5 ud	298
40017630	LN	8431927100764	5 ud	298

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4002				
40020007	RAL 7035	8431927005632	100 ud	237, 255, 297
40020009	RAL 7035	8431927005649	100 ud	237, 255, 297
40020011	RAL 7035	8431927005656	100 ud	237, 255, 297
40020013	RAL 7035	8431927005663	100 ud	237, 255, 297
40020016	RAL 7035	8431927005670	100 ud	237, 255, 297
40020021	RAL 7035	8431927005687	100 ud	237, 255, 297
40020029	RAL 7035	8431927005694	50 ud	237, 255, 297
40020036	RAL 7035	8431927005700	25 ud	237, 255, 297
40020042	RAL 7035	8431927019240	25 ud	237
40020048	RAL 7035	8431927005717	25 ud	237, 255, 297
40021120	RAL 7035	8431927005724	100 ud	237, 255, 297
40021160	RAL 7035	8431927005731	100 ud	237, 255, 297
40021200	RAL 7035	8431927005748	100 ud	237, 255, 297
40021250	RAL 7035	8431927005755	100 ud	237, 255, 297
40021320	RAL 7035	8431927005762	50 ud	237, 255, 297
40021400	RAL 7035	8431927005779	25 ud	237, 255, 297
40021500	RAL 7035	8431927005786	25 ud	237, 255, 297
40021630	RAL 7035	8431927005793	25 ud	237, 255, 297
40024007	RAL 9005	8431927020550	100 ud	255, 272, 297
40024009	RAL 9005	8431927020567	100 ud	255, 272, 297
40024011	RAL 9005	8431927020574	100 ud	255, 272, 297
40024013	RAL 9005	8431927020581	100 ud	255, 272, 297
40024016	RAL 9005	8431927020598	100 ud	255, 272, 297
40024021	RAL 9005	8431927020604	100 ud	255, 272, 297
40024029	RAL 9005	8431927020611	50 ud	255, 272, 297
40024036	RAL 9005	8431927020628	25 ud	255, 272, 297
40024048	RAL 9005	8431927020635	25 ud	255, 272, 297
40025120	RAL 9005	8431927020642	100 ud	255, 272, 297
40025160	RAL 9005	8431927020659	100 ud	255, 272, 297
40025200	RAL 9005	8431927020666	100 ud	255, 272, 297
40025250	RAL 9005	8431927020673	100 ud	255, 272, 297
40025320	RAL 9005	8431927020680	50 ud	255, 272, 297
40025400	RAL 9005	8431927020697	25 ud	255, 272, 297
40025500	RAL 9005	8431927020703	25 ud	255, 272, 297
40025630	RAL 9005	8431927020710	25 ud	255, 272, 297
40026007	RAL 7001	8431927042255	100 ud	255, 272, 297
40026009	RAL 7001	8431927042262	100 ud	255, 272, 297
40026011	RAL 7001	8431927042279	100 ud	255, 272, 297
40026013	RAL 7001	8431927042286	100 ud	255, 272, 297
40026016	RAL 7001	8431927042293	100 ud	255, 272, 297
40026021	RAL 7001	8431927042309	100 ud	255, 272, 297
40026029	RAL 7001	8431927042316	50 ud	255, 272, 297
40026036	RAL 7001	8431927042323	25 ud	255, 272, 297
40026048	RAL 7001	8431927042347	25 ud	255, 272, 297
40027120	RAL 7001	8431927042354	100 ud	255, 272, 297
40027160	RAL 7001	8431927042361	100 ud	255, 272, 297
40027200	RAL 7001	8431927042378	100 ud	255, 272, 297
40027250	RAL 7001	8431927042385	100 ud	255, 272, 297
40027320	RAL 7001	8431927042392	50 ud	255, 272, 297
40027400	RAL 7001	8431927042408	25 ud	255, 272, 297
40027500	RAL 7001	8431927042415	25 ud	255, 272, 297
40027630	RAL 7001	8431927042422	25 ud	255, 272, 297
4003				
40030116	RAL 9005	8431927095534	25 ud	300
40030121	RAL 9005	8431927095541	25 ud	300
40030129	RAL 9005	8431927095558	5 ud	300
40030136	RAL 9005	8431927095565	5 ud	300
40030142	RAL 9005	8431927095572	5 ud	300
40030148	RAL 9005	8431927095589	5 ud	300
40030209	RAL 9005	8431927095596	50 ud	300
40030211	RAL 9005	8431927095602	50 ud	300
40030311	RAL 9005	8431927095619	50 ud	300
40030313	RAL 9005	8431927095626	50 ud	300
40030316	RAL 9005	8431927095633	25 ud	300
40030321	RAL 9005	8431927095640	25 ud	300
40030409	RAL 9005	8431927095657	50 ud	300
40030421	RAL 9005	8431927095664	25 ud	300
40030429	RAL 9005	8431927095671	5 ud	300
40030511	RAL 9005	8431927095688	50 ud	300
40030513	RAL 9005	8431927095695	50 ud	300
40030516	RAL 9005	8431927095701	25 ud	300
40030521	RAL 9005	8431927095718	25 ud	300
40030609	RAL 9005	8431927095725	50 ud	300
40030616	RAL 9005	8431927095732	25 ud	300
40030621	RAL 9005	8431927095749	25 ud	300

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4003				
40030821	RAL 9005	8431927095756	25 ud	300
40030829	RAL 9005	8431927095763	5 ud	300
40030913	RAL 9005	8431927095770	50 ud	300
40030916	RAL 9005	8431927095787	25 ud	300
40030921	RAL 9005	8431927095794	25 ud	300
4200				
42001612	LN	8431927020949	100 ud	297
42002016	LN	8431927020963	100 ud	297
42002516	LN	8431927020970	50 ud	297
42002520	LN	8431927020987	50 ud	297
42003220	LN	8431927020994	50 ud	297
42003225	LN	8431927021007	50 ud	297
42004025	LN	8431927021014	25 ud	297
42004032	LN	8431927021021	25 ud	297
42005032	LN	8431927021038	10 ud	297
42006340	LN	8431927021052	10 ud	297
4202				
42020709	LN	8431927005946	100 ud	299
42020911	LN	8431927005953	100 ud	299
42020913	LN	8431927005960	100 ud	299
42021113	LN	8431927005977	100 ud	299
42021116	LN	8431927005984	100 ud	299
42021316	LN	8431927005991	100 ud	299
42021621	LN	8431927006004	50 ud	299
42022129	LN	8431927006011	50 ud	299
42022936	LN	8431927006028	25 ud	299
4205				
42051216	LN	8431927021144	100 ud	299
42051620	LN	8431927021151	100 ud	299
42052025	LN	8431927021168	50 ud	299
42052532	LN	8431927021175	50 ud	299
42053240	LN	8431927021182	25 ud	299
42054050	LN	8431927021199	25 ud	299
42055063	LN	8431927021205	10 ud	299
4300				
43001609	LN	8431927021212	100 ud	299
43002011	LN	8431927021229	100 ud	299
43002013	LN	8431927021236	100 ud	299
43002016	LN	8431927021243	100 ud	299
43002516	LN	8431927021250	50 ud	299
43002521	LN	8431927021267	50 ud	299
43003229	LN	8431927021274	25 ud	299
4301				
43010916	LN	8431927021281	100 ud	299
43011120	LN	8431927021298	100 ud	299
43011320	LN	8431927021304	100 ud	299
43011625	LN	8431927021311	50 ud	299
4401				
44010007	LN	8431927006035	100 ud	299
44010009	LN	8431927006042	100 ud	299
44010011	LN	8431927006059	100 ud	299
44010013	LN	8431927006066	100 ud	299
44010016	LN	8431927006073	100 ud	299
44010021	LN	8431927006080	100 ud	299
44010029	LN	8431927006097	50 ud	299
44010036	LN	8431927006103	25 ud	299
44010042	LN	8431927006110	25 ud	299
44010048	LN	8431927006127	10 ud	299
44011120	LN	8431927006134	100 ud	299
44011160	LN	8431927015136	100 ud	299
44011200	LN	8431927006141	100 ud	299
44011250	LN	8431927015143	100 ud	299
44011320	LN	8431927006158	50 ud	299
44011400	LN	8431927006165	25 ud	299
44011500	LN	8431927006172	25 ud	299
44011630	LN	8431927006189	10 ud	299
44013120	LN	8431927100771	100 ud	292
44013121	LN	8431927100795	100 ud	292
44013122	LN	8431927100818	100 ud	292
44013123	LN	8431927100832	100 ud	292
44014120	303	8431927100788	100 ud	292

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4401				
44014121	303	8431927100801	100 ud	292
44014122	303	8431927100825	100 ud	292
44014123	303	8431927100849	100 ud	292
4402				
44020007	RAL 7035	8431927006196	100 ud	297
44020009	RAL 7035	8431927006202	100 ud	297
44020011	RAL 7035	8431927006219	100 ud	297
44020013	RAL 7035	8431927006226	100 ud	297
44020016	RAL 7035	8431927006233	100 ud	297
44020021	RAL 7035	8431927006240	100 ud	297
44020029	RAL 7035	8431927006257	50 ud	297
44020036	RAL 7035	8431927006264	25 ud	297
44021120	RAL 7035	8431927006295	100 ud	297
44021160	RAL 7035	8431927006301	100 ud	297
44021200	RAL 7035	8431927006318	100 ud	297
44021250	RAL 7035	8431927006325	100 ud	297
44021320	RAL 7035	8431927015150	50 ud	297
44021400	RAL 7035	8431927015167	50 ud	297
44022120	RAL 7035	8431927100856	100 ud	292
44022121	RAL 7035	8431927100863	100 ud	292
44022122	RAL 7035	8431927100870	100 ud	292
44022123	RAL 7035	8431927100887	100 ud	292
44023120	RAL 9005	8431927100894	100 ud	292
44023121	RAL 9005	8431927100900	100 ud	292
44023122	RAL 9005	8431927100917	100 ud	292
44023123	RAL 9005	8431927100924	100 ud	292
4404				
44040007	RAL 9005	8431927100931	1000 ud	301
44040009	RAL 9005	8431927100948	1000 ud	301
44040011	RAL 9005	8431927100955	1000 ud	301
44040013	RAL 9005	8431927100962	500 ud	301
44040016	RAL 9005	8431927100979	500 ud	301
44040021	RAL 9005	8431927100986	500 ud	301
44040029	RAL 9005	8431927100993	200 ud	301
44040036	RAL 9005	8431927101006	100 ud	301
44040042	RAL 9005	8431927101013	50 ud	301
44040048	RAL 9005	8431927101020	50 ud	301
44041007	RAL 3000	8431927101037	1000 ud	301
44041009	RAL 3000	8431927101044	1000 ud	301
44041011	RAL 3000	8431927101051	1000 ud	301
44041013	RAL 3000	8431927101068	500 ud	301
44041016	RAL 3000	8431927101075	500 ud	301
44041021	RAL 3000	8431927101082	500 ud	301
44041029	RAL 3000	8431927101099	200 ud	301
44041036	RAL 3000	8431927101105	100 ud	301
44041042	RAL 3000	8431927101112	50 ud	301
44041048	RAL 3000	8431927101129	50 ud	301
5500				
55002016	AL	8431927026613	50 ud	246
55002020	AL	8431927026620	50 ud	246
55002025	AL	8431927026637	50 ud	246
55002032	AL	8431927026644	50 ud	246
55002040	AL	8431927026651	20 ud	246
55002050	AL	8431927026668	20 ud	246
55002063	AL	8431927026675	20 ud	246
55003016	304	8431927091840	25 ud	248
55003020	304	8431927026729	50 ud	248
55003025	304	8431927026736	50 ud	248
55003032	304	8431927026743	50 ud	248
55003040	304	8431927026750	25 ud	248
55003050	304	8431927091857	10 ud	248
55004016	EZ	8431927026767	50 ud	241
55004020	EZ	8431927026774	50 ud	241
55004025	EZ	8431927026781	50 ud	241
55004032	EZ	8431927026798	25 ud	241
55004040	EZ	8431927026804	20 ud	241
55004050	EZ	8431927026811	10 ud	241
55004063	EZ	8431927026828	6 ud	241
55004116	GC	8431927091130	25 ud	244
55004120	GC	8431927087645	50 ud	244
55004125	GC	8431927087652	50 ud	244
55004132	GC	8431927087669	50 ud	244
55004140	GC	8431927087676	25 ud	244

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5500				
55004150	GC	8431927091147	10 ud	244
55004163	GC	8431927091154	5 ud	244
55005016	EZ	8431927026835	50 ud	242
55005020	EZ	8431927026842	50 ud	242
55005025	EZ	8431927026859	50 ud	242
55005032	EZ	8431927026866	25 ud	242
55005040	EZ	8431927026873	20 ud	242
55005050	EZ	8431927026880	10 ud	242
55005063	EZ	8431927026897	6 ud	242
55006016	EZ	8431927026903	100 ud	241
55006020	EZ	8431927026910	50 ud	241
55006025	EZ	8431927026927	25 ud	241
55006032	EZ	8431927026934	20 ud	241
55006040	EZ	8431927026941	12 ud	241
55006050	EZ	8431927026958	6 ud	241
55006063	EZ	8431927026965	3 ud	241
55006116	GC	8431927091161	25 ud	244
55006120	GC	8431927091178	50 ud	244
55006125	GC	8431927091185	50 ud	244
55006132	GC	8431927091192	50 ud	244
55006140	GC	8431927091208	25 ud	244
55006150	GC	8431927091215	10 ud	244
55006163	GC	8431927091222	5 ud	244
55007016	EZ	8431927026972	50 ud	242
55007020	EZ	8431927026989	50 ud	242
55007025	EZ	8431927026996	25 ud	242
55007032	EZ	8431927027009	25 ud	242
55007040	EZ	8431927027016	15 ud	242
55007050	EZ	8431927027023	6 ud	242
55007063	EZ	8431927027030	6 ud	242
55007116	RAL 7035	8431927082398	50 ud	236
55007120	RAL 7035	8431927082404	50 ud	236
55007125	RAL 7035	8431927082411	50 ud	236
55008016	RAL 7035	8431927067548	19 ud	230
55008020	RAL 7035	8431927067555	19 ud	230
55008025	RAL 7035	8431927067562	19 ud	230
55008032	RAL 7035	8431927067579	10 ud	230
55008040	RAL 7035	8431927067586	10 ud	230
55008050	RAL 7035	8431927067593	5 ud	230
55008063	RAL 7035	8431927067609	5 ud	230
55009016	RAL 7035	8431927067616	19 ud	233
55009020	RAL 7035	8431927067623	19 ud	233
55009025	RAL 7035	8431927067630	19 ud	233
55009032	RAL 7035	8431927067647	10 ud	233
55009040	RAL 7035	8431927067654	10 ud	233
55009050	RAL 7035	8431927067661	5 ud	233
55009063	RAL 7035	8431927067678	5 ud	233
5501				
55012016	AL	8431927027597	15 ud	246
55012020	AL	8431927027603	25 ud	246
55012025	AL	8431927027610	25 ud	246
55012032	AL	8431927027627	20 ud	246
55012040	AL	8431927027634	15 ud	246
55012050	AL	8431927027641	5 ud	246
55012063	AL	8431927027658	3 ud	246
55013016	304	8431927091864	15 ud	248
55013020	304	8431927027696	25 ud	248
55013025	304	8431927027702	25 ud	248
55013032	304	8431927027719	20 ud	248
55013040	304	8431927027726	15 ud	248
55013050	304	8431927091871	5 ud	248
55014016	EZ	8431927027047	10 ud	241
55014020	EZ	8431927027054	10 ud	241
55014025	EZ	8431927027061	10 ud	241
55014032	EZ	8431927027078	10 ud	241
55014040	EZ	8431927027085	5 ud	241
55014050	EZ	8431927027092	5 ud	241
55014063	EZ	8431927027108	3 ud	241
55014116	GC	8431927091239	15 ud	245
55014120	GC	8431927091246	25 ud	245
55014125	GC	8431927091253	25 ud	245
55014132	GC	8431927091260	20 ud	245
55014140	GC	8431927091277	15 ud	245
55014150	GC	8431927091284	5 ud	245
55014163	GC	8431927091291	3 ud	245

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5501				
55015016	EZ	8431927027115	10 ud	241
55015020	EZ	8431927027122	10 ud	241
55015025	EZ	8431927027139	10 ud	241
55015032	EZ	8431927027146	10 ud	241
55015040	EZ	8431927027153	5 ud	241
55015050	EZ	8431927027160	5 ud	241
55015063	EZ	8431927027177	3 ud	241
55015116	GC	8431927091307	15 ud	245
55015120	GC	8431927091314	25 ud	245
55015125	GC	8431927091321	25 ud	245
55015132	GC	8431927091338	20 ud	245
55015140	GC	8431927091345	15 ud	245
55015150	GC	8431927091352	5 ud	245
55015163	GC	8431927091369	3 ud	245
55016016	RAL 7035	8431927067685	25 ud	232
55016020	RAL 7035	8431927067692	25 ud	232
55016025	RAL 7035	8431927067708	25 ud	232
55016032	RAL 7035	8431927067715	10 ud	232
55017016	RAL 7035	8431927067722	25 ud	234
55017020	RAL 7035	8431927067739	25 ud	234
55017025	RAL 7035	8431927067746	25 ud	234
55017032	RAL 7035	8431927067753	10 ud	234
5502				
55022016	AL	8431927091376	50 ud	247
55022020	AL	8431927091383	50 ud	247
55022025	AL	8431927091390	50 ud	247
55022032	AL	8431927091406	50 ud	247
55022040	AL	8431927091413	25 ud	247
55023016	RAL 7035	8431927091697	100 ud	237
55023020	RAL 7035	8431927091703	100 ud	237
55023025	RAL 7035	8431927091710	100 ud	237
55023032	RAL 7035	8431927091727	80 ud	237
55023040	RAL 7035	8431927091802	30 ud	237
55023050	RAL 7035	8431927091819	20 ud	237
55024012	RAL 7035	8431927091734	50 ud	237
55024020	RAL 7035	8431927091741	40 ud	237
55024032	RAL 7035	8431927091758	20 ud	237
5503				
55031016	AL	8431927091420	50 ud	247
55031020	AL	8431927091437	50 ud	247
55031025	AL	8431927091444	50 ud	247
55031032	AL	8431927091451	25 ud	247
55031040	AL	8431927091468	25 ud	247
55032116	GC	8431927091475	100 ud	245
55032120	GC	8431927091482	100 ud	245
55032125	GC	8431927091499	100 ud	245
55032132	GC	8431927091505	100 ud	245
55032140	GC	8431927091512	50 ud	245
55032150	GC	8431927091529	50 ud	245
55032163	GC	8431927091536	50 ud	245
55033116	GC	8431927091543	50 ud	245
55033120	GC	8431927091550	50 ud	245
55033125	GC	8431927091567	50 ud	245
55033132	GC	8431927091574	25 ud	245
55033140	GC	8431927091581	25 ud	245
55033150	GC	8431927091598	25 ud	245
55033163	GC	8431927091604	20 ud	245
55034016	304	8431927091888	100 ud	248
55034020	304	8431927091895	100 ud	248
55034025	304	8431927091901	100 ud	248
55034032	304	8431927091918	100 ud	248
55034040	304	8431927091925	50 ud	248
55034050	304	8431927091932	50 ud	248
55035016	304	8431927091949	50 ud	248
55035020	304	8431927091956	50 ud	248
55035025	304	8431927091963	50 ud	248
55035032	304	8431927091970	50 ud	248
55035040	304	8431927091987	25 ud	248
55035050	304	8431927091994	25 ud	248
5504				
55042016	RAL 7035	8431927092243	19 ud	231
55042020	RAL 7035	8431927092250	19 ud	231
55042025	RAL 7035	8431927092267	19 ud	231

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5504				
55042032	RAL 7035	8431927092274	10 ud	231
55042040	RAL 7035	8431927095145	10 ud	231
55042050	RAL 7035	8431927095152	5 ud	231
55042063	RAL 7035	8431927095169	5 ud	231
55043016	RAL 7035	8431927095176	19 ud	233
55043020	RAL 7035	8431927095183	19 ud	233
55043025	RAL 7035	8431927095190	19 ud	233
55043032	RAL 7035	8431927095206	10 ud	233
55043040	RAL 7035	8431927095213	10 ud	233
55043050	RAL 7035	8431927095220	5 ud	233
55043063	RAL 7035	8431927095237	5 ud	233
55044016	RAL 7035	8431927095244	19 ud	230
55044020	RAL 7035	8431927095251	19 ud	230
55044025	RAL 7035	8431927095268	19 ud	230
55044032	RAL 7035	8431927095275	10 ud	230
55044040	RAL 7035	8431927095282	10 ud	230
55044050	RAL 7035	8431927095299	5 ud	230
55044063	RAL 7035	8431927095305	5 ud	230
5507				
55070016	AL	8431927027214	20 ud	243
55070020	AL	8431927027221	20 ud	243
55070025	AL	8431927027238	12 ud	243
55070032	AL	8431927027245	1 ud	243
55070040	AL	8431927027252	4 ud	243
55070050	AL	8431927027269	2 ud	243
55071016	AL	8431927027276	20 ud	243
55071020	AL	8431927027283	20 ud	243
55071025	AL	8431927027290	12 ud	243
55071032	AL	8431927027306	4 ud	243
55071040	AL	8431927027313	4 ud	243
55071050	AL	8431927027320	2 ud	243
55072016	RAL 7035	8431927067876	25 ud	232
55072020	RAL 7035	8431927067883	25 ud	232
55072025	RAL 7035	8431927067890	25 ud	232
55072032	RAL 7035	8431927067906	15 ud	232
55073016	RAL 7035	8431927067913	25 ud	234
55073020	RAL 7035	8431927067920	25 ud	234
55073025	RAL 7035	8431927067937	25 ud	234
55073032	RAL 7035	8431927067944	15 ud	234
5508				
55080016	AL	8431927027337	10 ud	243
55080020	AL	8431927027344	10 ud	243
55080025	AL	8431927027351	8 ud	243
55080032	AL	8431927027368	2 ud	243
55080040	AL	8431927027375	2 ud	243
55080050	AL	8431927027382	1 ud	243
55081016	AL	8431927027399	10 ud	243
55081020	AL	8431927027405	10 ud	243
55081025	AL	8431927027412	8 ud	243
55081032	AL	8431927027429	2 ud	243
55081040	AL	8431927027436	2 ud	243
55081050	AL	8431927027443	1 ud	243
55082016	RAL 7035	8431927068033	25 ud	232
55082020	RAL 7035	8431927068040	25 ud	232
55082025	RAL 7035	8431927068057	25 ud	232
55082032	RAL 7035	8431927068064	15 ud	232
55083016	RAL 7035	8431927068071	25 ud	234
55083020	RAL 7035	8431927068088	25 ud	234
55083025	RAL 7035	8431927068095	25 ud	234
55083032	RAL 7035	8431927068101	15 ud	234
5509				
55090016	RAL 7035	8431927067951	20 ud	232
55090020	RAL 7035	8431927067968	20 ud	232
55090025	RAL 7035	8431927067975	10 ud	232
55090032	RAL 7035	8431927067982	10 ud	232
55091016	RAL 7035	8431927067999	20 ud	234
55091020	RAL 7035	8431927068002	20 ud	234
55091025	RAL 7035	8431927068019	10 ud	234
55091032	RAL 7035	8431927068026	10 ud	234
5511				
55111016	RAL 7035	8431927091611	100 ud	243
55111020	RAL 7035	8431927091628	100 ud	243

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5511				
55111025	RAL 7035	8431927091635	100 ud	243
55111032	RAL 7035	8431927091642	50 ud	243
55111040	RAL 7035	8431927091659	50 ud	243
55111050	RAL 7035	8431927091666	25 ud	243
55111063	RAL 7035	8431927091673	20 ud	243
5512				
55120032	RAL 7035	8431927091772	100 ud	237
55120063	RAL 7035	8431927091796	50 ud	237
6021				
60211060	EZ	8431927046499	24 m	24
60211100	EZ	8431927012395	24 m	24
60211150	EZ	8431927036728	24 m	24
60211200	EZ	8431927012401	18 m	24
60211300	EZ	8431927012418	18 m	24
60211400	EZ	8431927015907	12 m	24
60212060	EZ	8431927012425	24 m	24
60212065	EZ	8431927096845	18 m	26
60212100	EZ	8431927012432	24 m	24
60212150	EZ	8431927012449	24 m	24
60212200	EZ	8431927012456	18 m	24
60212300	EZ	8431927012463	12 m	24
60212400	EZ	8431927012470	6 m	24
60212450	EZ	8431927083111	6 m	24
60212500	EZ	8431927012487	6 m	24
60212600	EZ	8431927012494	6 m	24
60213100	EZ	8431927076823	12 m	24
60213150	EZ	8431927042606	6 m	24
60213200	EZ	8431927012500	6 m	24
60213300	EZ	8431927012517	6 m	24
60213400	EZ	8431927012524	6 m	24
60213450	EZ	8431927095312	6 m	24
60213500	EZ	8431927012531	6 m	24
60213600	EZ	8431927012548	6 m	24
60215020	EZ	8431927012562	16 m	50
60216200	EZ	8431927095404	6 m	24
60216300	EZ	8431927087850	6 m	24
60216400	EZ	8431927095411	6 m	24
60216450	EZ	8431927087867	6 m	24
60216500	EZ	8431927095428	6 m	24
60216600	EZ	8431927087874	6 m	24
6022				
60221060	BC	8431927046505	24 m	24
60221100	BC	8431927006479	24 m	24
60221150	BC	8431927027184	24 m	24
60221200	BC	8431927006486	18 m	24
60221300	BC	8431927006493	18 m	24
60221400	BC	8431927015914	12 m	24
60222060	BC	8431927006509	24 m	24
60222065	BC	8431927096852	18 m	26
60222100	BC	8431927006516	24 m	24
60222150	BC	8431927006523	24 m	24
60222200	BC	8431927006530	18 m	24
60222300	BC	8431927006547	12 m	24
60222400	BC	8431927006554	6 m	24
60222450	BC	8431927027191	6 m	24
60222500	BC	8431927006561	6 m	24
60222600	BC	8431927006578	6 m	24
60223100	BC	8431927076830	12 m	24
60223150	BC	8431927085269	6 m	24
60223200	BC	8431927006585	6 m	24
60223300	BC	8431927006592	6 m	24
60223400	BC	8431927006608	6 m	24
60223450	BC	8431927095329	6 m	24
60223500	BC	8431927006615	6 m	24
60223600	BC	8431927006622	6 m	24
60225020	BC	8431927006646	16 m	50
60226200	BC	8431927106124	6 m	24
60226300	BC	8431927106131	6 m	24
60226400	BC	8431927106148	6 m	24
60226450	BC	8431927106155	6 m	24
60226500	BC	8431927106162	6 m	24
60226600	BC	8431927106179	6 m	24

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6023				
60231060	GC	8431927046512	24 m	24
60231100	GC	8431927006660	24 m	24
60231150	GC	8431927040411	24 m	24
60231200	GC	8431927006677	18 m	24
60231300	GC	8431927006684	18 m	24
60231400	GC	8431927015921	12 m	24
60232060	GC	8431927006691	24 m	24
60232065	GC	8431927096869	18 m	26
60232100	GC	8431927006707	24 m	24
60232150	GC	8431927006714	24 m	24
60232200	GC	8431927006721	18 m	24
60232300	GC	8431927006738	12 m	24
60232400	GC	8431927006745	6 m	24
60232500	GC	8431927006752	6 m	24
60232600	GC	8431927006769	6 m	24
60233100	GC	8431927076847	12 m	24
60233150	GC	8431927085276	6 m	24
60233200	GC	8431927006776	6 m	24
60233300	GC	8431927006783	6 m	24
60233400	GC	8431927006790	6 m	24
60233450	GC	8431927095336	6 m	24
60233500	GC	8431927006806	6 m	24
60233600	GC	8431927006813	6 m	24
6025				
60251060	304	8431927046529	24 m	24
60251100	304	8431927006837	24 m	24
60251150	304	8431927092335	24 m	24
60251200	304	8431927006844	18 m	24
60251300	304	8431927006851	18 m	24
60251400	304	8431927015938	12 m	24
60252060	304	8431927006868	24 m	24
60252065	304	8431927096876	18 m	26
60252100	304	8431927006875	24 m	24
60252150	304	8431927006882	24 m	24
60252200	304	8431927006899	18 m	24
60252300	304	8431927006905	12 m	24
60252400	304	8431927006912	6 m	24
60252500	304	8431927006929	6 m	24
60252600	304	8431927006936	6 m	24
60253100	304	8431927036810	12 m	24
60253150	304	8431927085283	6 m	24
60253200	304	8431927006943	6 m	24
60253300	304	8431927006950	6 m	24
60253400	304	8431927006967	6 m	24
60253500	304	8431927006974	6 m	24
60253600	304	8431927006981	6 m	24
6026				
60261060	316L	8431927046536	24 m	24
60261100	316L	8431927018465	24 m	24
60261150	316L	8431927092342	24 m	24
60261200	316L	8431927018472	18 m	24
60261300	316L	8431927018489	18 m	24
60261400	316L	8431927018496	12 m	24
60262060	316L	8431927018502	24 m	24
60262065	316L	8431927096883	18 m	26
60262100	316L	8431927014726	24 m	24
60262150	316L	8431927014733	24 m	24
60262200	316L	8431927014740	18 m	24
60262300	316L	8431927014757	12 m	24
60262400	316L	8431927014764	6 m	24
60262500	316L	8431927014771	6 m	24
60262600	316L	8431927014788	6 m	24
60263100	316L	8431927042620	12 m	24
60263150	316L	8431927042637	6 m	24
60263200	316L	8431927018519	6 m	24
60263300	316L	8431927018526	6 m	24
60263400	316L	8431927018533	6 m	24
60263500	316L	8431927018540	6 m	24
60263600	316L	8431927018557	6 m	24
6028				
60281060	BK8	8431927087225	24 m	24
60281100	BK8	8431927087232	24 m	24
60281150	BK8	8431927087249	24 m	24

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6028				
60281200	BK8	8431927087256	18 m	24
60281300	BK8	8431927087263	18 m	24
60281400	BK8	8431927087270	12 m	24
60282060	BK8	8431927087287	24 m	24
60282065	BK8	8431927096890	18 m	26
60282100	BK8	8431927087294	24 m	24
60282150	BK8	8431927087300	24 m	24
60282200	BK8	8431927087317	18 m	24
60282300	BK8	8431927087324	12 m	24
60282400	BK8	8431927087331	6 m	24
60282450	BK8	8431927090966	6 m	24
60282500	BK8	8431927087348	6 m	24
60282600	BK8	8431927087355	6 m	24
60283100	BK8	8431927087362	12 m	24
60283150	BK8	8431927087379	6 m	24
60283200	BK8	8431927087386	6 m	24
60283300	BK8	8431927087393	6 m	24
60283400	BK8	8431927087409	6 m	24
60283450	BK8	8431927095343	6 m	24
60283500	BK8	8431927087416	6 m	24
60283600	BK8	8431927087423	6 m	24
60286200	BK8	8431927106360	6 m	24
60286300	BK8	8431927106377	6 m	24
60286400	BK8	8431927106384	6 m	24
60286450	BK8	8431927106391	6 m	24
60286500	BK8	8431927106407	6 m	24
60286600	BK8	8431927106414	6 m	24
6051				
60512060	EZ	8431927088307	18 m	20
60512100	EZ	8431927088314	24 m	20
60512150	EZ	8431927088321	24 m	20
60512200	EZ	8431927088338	18 m	20
60512300	EZ	8431927088345	12 m	20
60512400	EZ	8431927088352	6 m	20
60512450	EZ	8431927090973	6 m	20
60512500	EZ	8431927088369	6 m	20
60512600	EZ	8431927088376	6 m	20
60513100	EZ	8431927094933	12 m	20
60513150	EZ	8431927094940	6 m	20
60513200	EZ	8431927094957	6 m	20
60513300	EZ	8431927094964	6 m	20
60513400	EZ	8431927094971	6 m	20
60513450	EZ	8431927095350	6 m	20
60513500	EZ	8431927094988	6 m	20
60513600	EZ	8431927094995	6 m	20
6052				
60522060	BC	8431927088383	18 m	20
60522100	BC	8431927088390	24 m	20
60522150	BC	8431927088406	24 m	20
60522200	BC	8431927088413	18 m	20
60522300	BC	8431927088420	12 m	20
60522400	BC	8431927088437	6 m	20
60522450	BC	8431927090980	6 m	20
60522500	BC	8431927088444	6 m	20
60522600	BC	8431927088451	6 m	20
60523100	BC	8431927095008	12 m	20
60523150	BC	8431927095015	6 m	20
60523200	BC	8431927095022	6 m	20
60523300	BC	8431927095039	6 m	20
60523400	BC	8431927095046	6 m	20
60523450	BC	8431927095367	6 m	20
60523500	BC	8431927095053	6 m	20
60523600	BC	8431927095060	6 m	20
6058				
60582060	BK8	8431927090881	18 m	20, 23
60582100	BK8	8431927090898	24 m	20, 23
60582150	BK8	8431927090904	24 m	20, 23
60582200	BK8	8431927090911	18 m	20, 23
60582300	BK8	8431927090928	12 m	20, 23
60582400	BK8	8431927090935	6 m	20, 23
60582450	BK8	8431927090997	6 m	20, 23
60582500	BK8	8431927090942	6 m	20, 23
60582600	BK8	8431927090959	6 m	20, 23

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6058				
60583100	BK8	8431927095077	12 m	20, 23
60583150	BK8	8431927095084	6 m	20, 23
60583200	BK8	8431927095091	6 m	20, 23
60583300	BK8	8431927095107	6 m	20, 23
60583400	BK8	8431927095114	6 m	20, 23
60583450	BK8	8431927095374	6 m	20, 23
60583500	BK8	8431927095121	6 m	20, 23
60583600	BK8	8431927095138	6 m	20, 23
6061				
60613206	EZ	8431927094704	24 m	52
60613306	EZ	8431927094711	24 m	52
60613310	EZ	8431927094728	12 m	52
60613315	EZ	8431927094735	6 m	52
60613320	EZ	8431927094742	6 m	52
6062				
60623206	BC	8431927094759	24 m	52
60623306	BC	8431927094766	24 m	52
60623310	BC	8431927094773	12 m	52
60623315	BC	8431927094780	6 m	52
60623320	BC	8431927094797	6 m	52
6068				
60683206	BK8	8431927094858	24 m	52
60683306	BK8	8431927094865	24 m	52
60683310	BK8	8431927094872	12 m	52
60683315	BK8	8431927094889	6 m	52
60683320	BK8	8431927094896	6 m	52
6201				
62011060	EZ	8431927012579	25 ud	44
62016020	EZ	8431927044631	10 ud	42
62016021	EZ	8431927044600	25 ud	42, 44
62016022	EZ	8431927065988	10 ud	44
6202				
62021060	BC	8431927006998	25 ud	44
62021104	PG	8431927045355	5 ud	174
62021154	PG	8431927045362	5 ud	174
62021204	PG	8431927045379	5 ud	174
62021304	PG	8431927045386	5 ud	174, 190
62021404	PG	8431927045393	5 ud	174, 190
62021504	PG	8431927045409	5 ud	190
62021604	PG	8431927045416	5 ud	190
62022104	PG	8431927045423	4 ud	174
62022154	PG	8431927045430	4 ud	174
62022204	PG	8431927045447	4 ud	174
62022304	PG	8431927045454	4 ud	174
62022404	PG	8431927045461	4 ud	174
62025103	PG	8431927039811	4 ud	176
62025153	PG	8431927039828	4 ud	176
62025203	PG	8431927039835	4 ud	176
62025303	PG	8431927039842	4 ud	176
62025403	PG	8431927039859	4 ud	176
62025503	PG	8431927039866	4 ud	176
62025603	PG	8431927039873	4 ud	176
62026010	PG	8431927007186	10 ud	38
62026011	PG	8431927007193	10 ud	38
62026020	BC	8431927044648	10 ud	42
62026021	BC	8431927044617	25 ud	42
62026022	BC	8431927065995	10 ud	44
6203				
62031060	GC	8431927007247	25 ud	44
62031084	RAL 3000	8431927045874	50 ud	184
62031085	RAL 3000	8431927036858	50 ud	184
62031090	GC	8431927045171	60 ud	184
62031104	GC	8431927045478	5 ud	174
62031154	GC	8431927045485	5 ud	174
62031204	GC	8431927045492	5 ud	174
62031304	GC	8431927045508	5 ud	174, 190
62031404	GC	8431927045515	5 ud	174, 190
62031504	GC	8431927045522	5 ud	190
62031604	GC	8431927045539	5 ud	190
62032104	GC	8431927045546	4 ud	174
62032154	GC	8431927045553	4 ud	174

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6203				
62032204	GC	8431927045560	4 ud	174
62032304	GC	8431927045577	4 ud	174
62032404	GC	8431927045584	4 ud	174
62035001	GC	8431927044525	15 ud	184
62035103	GC	8431927039880	4 ud	176
62035153	GC	8431927039897	4 ud	176
62035203	GC	8431927039903	4 ud	176
62035303	GC	8431927039910	4 ud	176
62035403	GC	8431927039927	4 ud	176
62035503	GC	8431927039934	4 ud	176
62035603	GC	8431927039941	4 ud	176
62035703	GC	8431927066091	4 ud	176
62035753	GC	8431927066299	4 ud	176
62035803	GC	8431927066107	4 ud	176
62035903	GC	8431927066114	4 ud	176
62035993	GC	8431927066121	4 ud	176
62036010	GC	8431927007667	10 ud	38
62036011	GC	8431927007674	10 ud	38
62036020	GC	8431927044655	10 ud	42
62036021	GC	8431927044624	25 ud	42
62036022	GC	8431927066008	10 ud	44
62037002	GC	8431927046185	4 ud	178
62038103	GC	8431927096777	4 ud	178
62038153	GC	8431927096784	4 ud	178
62038203	GC	8431927096791	4 ud	178
62038303	GC	8431927096807	4 ud	178
62038403	GC	8431927096814	4 ud	178
6205				
62051104	304	8431927078223	5 ud	174
62051154	304	8431927078230	5 ud	174
62051204	304	8431927078247	5 ud	174
62051304	304	8431927078254	5 ud	174, 190
62051404	304	8431927078261	5 ud	174, 190
62051504	304	8431927078278	5 ud	190
62051604	304	8431927078285	5 ud	190
62052104	304	8431927078292	4 ud	174
62052154	304	8431927078308	4 ud	174
62052204	304	8431927078315	4 ud	174
62052304	304	8431927078322	4 ud	174
62052404	304	8431927078339	4 ud	174
62055103	304	8431927078346	4 ud	176
62055153	304	8431927078353	4 ud	176
62055203	304	8431927078360	4 ud	176
62055303	304	8431927078377	4 ud	176
62055403	304	8431927078384	4 ud	176
62055503	304	8431927078391	4 ud	176
62055603	304	8431927078407	4 ud	176
62057002	304	8431927078414	4 ud	178
6206				
62061060	316L	8431927018564	25 ud	44
62061104	316L	8431927045591	5 ud	174
62061154	316L	8431927045607	5 ud	174
62061204	316L	8431927045614	5 ud	174
62061304	316L	8431927045621	5 ud	174, 190
62061404	316L	8431927045638	5 ud	174, 190
62061504	316L	8431927045645	5 ud	190
62061604	316L	8431927045652	5 ud	190
62062104	316L	8431927045669	4 ud	174
62062154	316L	8431927045676	4 ud	174
62062204	316L	8431927045683	4 ud	174
62062304	316L	8431927045690	4 ud	174
62062404	316L	8431927045706	4 ud	174
62065103	316L	8431927040022	4 ud	176
62065153	316L	8431927040039	4 ud	176
62065203	316L	8431927040046	4 ud	176
62065303	316L	8431927040053	4 ud	176
62065403	316L	8431927040060	4 ud	176
62065503	316L	8431927040077	4 ud	176
62065603	316L	8431927040084	4 ud	176
62066010	316L	8431927018762	10 ud	38
62066011	316L	8431927018779	10 ud	38
62066022	316L	8431927066015	10 ud	44
62067002	316L	8431927050854	4 ud	178

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6208				
62081060	BK8	8431927087430	25 ud	23, 44
62081104	BK8	8431927087980	5 ud	174
62081154	BK8	8431927087997	5 ud	174
62081204	BK8	8431927088000	5 ud	174
62081304	BK8	8431927088017	5 ud	174, 190
62081404	BK8	8431927088024	5 ud	174, 190
62081504	BK8	8431927088031	5 ud	190
62081604	BK8	8431927088048	5 ud	190
62082104	BK8	8431927088055	4 ud	174
62082154	BK8	8431927088062	4 ud	174
62082204	BK8	8431927088079	4 ud	174
62082304	BK8	8431927088086	4 ud	174
62082404	BK8	8431927088093	4 ud	174
62085103	BK8	8431927088109	4 ud	176
62085153	BK8	8431927088116	4 ud	176
62085203	BK8	8431927088123	4 ud	176
62085303	BK8	8431927088130	4 ud	176
62085403	BK8	8431927088147	4 ud	176
62085503	BK8	8431927088154	4 ud	176
62085603	BK8	8431927088161	4 ud	176
62086010	BK8	8431927087447	10 ud	23, 38
62086011	BK8	8431927087454	10 ud	23, 38
62086020	BK8	8431927087461	10 ud	42
62086021	BK8	8431927087478	25 ud	23, 42
62086022	BK8	8431927087485	10 ud	44
6230				
62301100	AL	8431927093912	10 ud	212, 213
62301400	AL	8431927093929	10 ud	212, 213
62301800	AL	8431927093936	10 ud	212, 213
62302102	EZ	8431927093943	1 ud	212
62302401	EZ	8431927093950	1 ud	212
62302801	EZ	8431927093967	1 ud	212
62303101	EZ	8431927093974	10 ud	212
62303103	EZ	8431927093981	10 ud	212
62303105	EZ	8431927093998	10 ud	212
62303301	EZ	8431927094001	10 ud	212
62303303	EZ	8431927094018	10 ud	212
62303305	EZ	8431927094025	10 ud	212
62303601	EZ	8431927094032	10 ud	212
62303603	EZ	8431927094049	10 ud	212
62303605	EZ	8431927094056	5 ud	212
62304101	EZ	8431927094063	10 ud	212
62304103	EZ	8431927094070	10 ud	212
62304105	EZ	8431927094087	10 ud	212
62304301	EZ	8431927094094	10 ud	212
62304303	EZ	8431927094100	10 ud	212
62304305	EZ	8431927094117	10 ud	212
62304601	EZ	8431927094124	10 ud	212
62304603	EZ	8431927094131	10 ud	212
62304605	EZ	8431927094148	10 ud	212
62305430	EZ	8431927094155	10 ud	214
62305440	EZ	8431927094162	10 ud	214
62306230	EZ	8431927094179	10 ud	214
62306240	EZ	8431927094186	10 ud	214
62306250	EZ	8431927094193	10 ud	214
62307231	EZ	8431927094209	10 ud	214
62307233	EZ	8431927094216	10 ud	214
62307241	EZ	8431927094223	10 ud	214
62307243	EZ	8431927094230	10 ud	214
62307631	EZ	8431927094247	10 ud	214
62307633	EZ	8431927094254	10 ud	214
62307641	EZ	8431927094261	10 ud	214
62307643	EZ	8431927094278	10 ud	214
62308231	EZ	8431927094285	10 ud	214
62308233	EZ	8431927094292	10 ud	214
62308241	EZ	8431927094308	10 ud	214
62308243	EZ	8431927094315	10 ud	214
62308631	EZ	8431927094322	10 ud	214
62308633	EZ	8431927094339	10 ud	214
62308641	EZ	8431927094346	10 ud	214
62308643	EZ	8431927094353	10 ud	214
62309501	EZ	8431927094360	5 ud	216
62309502	EZ	8431927094377	2 ud	216
62309503	EZ	8431927094384	2 ud	216

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6231				
62310201	EZ	8431927094391	10 ud	216
6302				
63022104	PG	8431927049087	10 ud	188
63022154	PG	8431927049094	10 ud	188
63022204	PG	8431927045713	10 ud	188
63022304	PG	8431927045720	10 ud	188
63022404	PG	8431927045737	10 ud	188
63022504	PG	8431927045744	10 ud	188
63022604	PG	8431927045751	10 ud	188
6303				
63032104	GC	8431927049100	10 ud	188
63032154	GC	8431927049117	10 ud	188
63032204	GC	8431927045768	10 ud	188
63032304	GC	8431927045775	10 ud	188
63032404	GC	8431927045782	10 ud	188
63032504	GC	8431927045799	10 ud	188
63032604	GC	8431927045805	10 ud	188
63033303	GC	8431927040091	4 ud	178
63033403	GC	8431927040107	4 ud	178
63033503	GC	8431927040114	4 ud	178
63033603	GC	8431927040121	4 ud	178
63034103	GC	8431927066138	4 ud	192
63034153	GC	8431927066145	4 ud	192
63034203	GC	8431927066152	4 ud	192
63034303	GC	8431927066169	4 ud	192
6305				
63052104	304	8431927092496	10 ud	188
63052154	304	8431927092519	10 ud	188
63052204	304	8431927092533	10 ud	188
63052304	304	8431927092557	10 ud	188
63052404	304	8431927092571	10 ud	188
63052504	304	8431927092595	10 ud	188
63052604	304	8431927092618	10 ud	188
6306				
63062104	316L	8431927092502	10 ud	188
63062154	316L	8431927092526	10 ud	188
63062204	316L	8431927092540	10 ud	188
63062304	316L	8431927092564	10 ud	188
63062404	316L	8431927092588	10 ud	188
63062504	316L	8431927092601	10 ud	188
63062604	316L	8431927092625	10 ud	188
6308				
63082104	BK8	8431927088178	10 ud	188
63082154	BK8	8431927088185	10 ud	188
63082204	BK8	8431927088192	10 ud	188
63082304	BK8	8431927088208	10 ud	188
63082404	BK8	8431927088215	10 ud	188
63082504	BK8	8431927088222	10 ud	188
63082604	BK8	8431927088239	10 ud	188
6401				
64010020	EZ	8431927012586	25 ud	28
64010035	EZ	8431927044570	50 ud	28
64010036	EZ	8431927044549	10 ud	28
64010038	EZ	8431927090638	20 ud	28
64010040	EZ	8431927090645	20 ud	28
64010041	EZ	8431927012593	50 ud	30
64010046	EZ	8431927094414	20 ud	30
64010048	EZ	8431927094421	20 ud	30
64010058	EZ	8431927096906	25 ud	26
64010059	EZ	8431927008435	50 ud	220
64010060	EZ	8431927012609	50 ud	30
64010061	EZ	8431927012616	50 ud	24, 28
64010062	EZ	8431927012623	50 ud	32
64010072	EZ	8431927066022	50 ud	30
6402				
64020030	BC	8431927008442	25 ud	28
64020035	BC	8431927044587	50 ud	28
64020036	BC	8431927044556	10 ud	28
64020038	BC	8431927090652	20 ud	28
64020040	BC	8431927090669	20 ud	28

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6402				
64020041	BC	8431927008459	50 ud	30
64020046	BC	8431927094438	20 ud	30
64020048	BC	8431927094445	20 ud	30
64020058	BC	8431927096913	25 ud	26
64020059	BC	8431927008466	50 ud	220
64020060	BC	8431927008473	50 ud	30
64020061	BC	8431927008480	50 ud	24, 28
64020062	BC	8431927008497	50 ud	32
64020072	BC	8431927066039	50 ud	30
6403				
64030030	GC	8431927036896	25 ud	28
64030035	GC	8431927044594	50 ud	28
64030036	GC	8431927044563	10 ud	28
64030041	GC	8431927008503	50 ud	30
64030058	GC	8431927096920	25 ud	26
64030059	GC	8431927008510	50 ud	90, 220
64030060	GC	8431927008527	50 ud	30
64030061	GC	8431927008534	50 ud	24, 28
64030062	GC	8431927008541	50 ud	32
64030072	GC	8431927066046	50 ud	30
64030160	GC	8431927046277	50 ud	30
6406				
64060041	316L	8431927018786	50 ud	30
64060058	316L	8431927096937	25 ud	26
64060059	316L	8431927018793	50 ud	90, 101, 220
64060060	316L	8431927014818	50 ud	30
64060061	316L	8431927014825	50 ud	24, 28
64060062	316L	8431927014832	50 ud	32
6408				
64080030	BK8	8431927088246	25 ud	23, 28
64080035	BK8	8431927087492	50 ud	23, 28
64080036	BK8	8431927087508	10 ud	23, 28
64080038	BK8	8431927090867	20 ud	23, 28
64080040	BK8	8431927090874	20 ud	28
64080041	BK8	8431927087515	50 ud	30
64080046	BK8	8431927094452	20 ud	30
64080048	BK8	8431927094469	20 ud	30
64080058	BK8	8431927096944	25 ud	23, 26
64080059	BK8	8431927088253	50 ud	220
64080060	BK8	8431927088260	50 ud	23, 30
64080061	BK8	8431927088277	50 ud	23, 24, 28
64080062	BK8	8431927094490	50 ud	32
64080072	BK8	8431927087522	50 ud	23, 30
6701				
67010016	PG	8431927092854	1 ud	40
67010030	EZ	8431927044662	10 ud	38
67010040	EZ	8431927012630	10 ud	42
67010043	EZ	8431927015945	20 ud	44
67010046	EZ	8431927012654	20 ud	46
67010051	EZ	8431927012661	10 ud	50
67010052	EZ	8431927015839	25 ud	50, 52
67010053	EZ	8431927012685	10 ud	30
67010056	EZ	8431927044310	100 ud	200
67010065	EZ	8431927044327	100 ud	108, 110, 112, 220, 221
67010066	EZ	8431927044334	100 ud	221
67010068	EZ	8431927049124	100 ud	221
67010072	EZ	8431927094636	100 ud	118
67010093	EZ	8431927080516	100 ud	58, 59, 60, 64, 101, 220
67010099	EZ	8431927008602	100 ud	220
67010100	EZ	8431927008619	100 ud	220
67010140	EZ	8431927008626	50 ud	194
67010141	EZ	8431927008633	50 ud	194
67010143	EZ	8431927015952	20 ud	44
67010144	EZ	8431927008664	20 ud	46
67010240	EZ	8431927101297	10 ud	42
67010340	EZ	8431927101303	10 ud	42
67010440	EZ	8431927101310	10 ud	42
6702				
67020010	EZ	8431927008718	100 ud	221
67020013	BC	8431927008725	100 ud	222

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6702				
67020014	BC	8431927008732	100 ud	221
67020020	PG	8431927046208	10 ud	48, 186, 196
67020030	BC	8431927044679	10 ud	38
67020039	RAL 3000	8431927008749	10 ud	40
67020040	BC	8431927008756	10 ud	42
67020041	BC	8431927008763	10 ud	50
67020043	BC	8431927015976	20 ud	44
67020044	BC	8431927008770	50 ud	194
67020045	BC	8431927008787	50 ud	194
67020046	BC	8431927008794	20 ud	46
67020048	EZ	8431927014672	1 ud	196
67020051	BC	8431927008824	10 ud	50
67020052	BC	8431927008831	25 ud	50, 52
67020053	BC	8431927008848	10 ud	30
67020054	EZ	8431927008855	100 ud	221
67020055	EZ	8431927008862	100 ud	26, 200
67020058	EZ	8431927008879	100 ud	200
67020059	EZ	8431927008886	100 ud	221
67020061	EZ	8431927008893	100 ud	222
67020062	BC	8431927008909	100 ud	221
67020063	BC	8431927008916	100 ud	222
67020065	EZ	8431927015181	50 ud	221
67020067	BC	8431927008923	50 ud	194
67020077	EZ	8431927008930	100 ud	221
67020079	EZ	8431927008947	100 ud	221
67020083	EZ	8431927008954	100 ud	222
67020084	PASSV	8431927008961	100 ud	222
67020086	PASSV	8431927008978	100 ud	222
67020092	EZ	8431927008985	100 ud	182, 221
67020095	EZ	8431927008992	100 ud	108, 110, 112, 182, 220, 221
67020097	EZ	8431927009005	50 ud	221
67020098	BC	8431927009012	10 ud	222
67020100	BC	8431927009029	100 ud	220
67020110	PG	8431927045812	1 ud	188
67020111	PG	8431927045829	1 ud	188
67020112	PG	8431927045836	1 ud	188
67020120	PG	8431927046215	10 ud	48, 186, 196
67020140	BC	8431927016065	50 ud	194
67020141	BC	8431927016072	50 ud	194
67020143	BC	8431927015983	20 ud	44
67020145	BC	8431927009036	50 ud	194
67020158	EZ	8431927045188	100 ud	200
67020159	EZ	8431927045225	50 ud	200
67020240	BC	8431927101327	10 ud	42
67020340	BC	8431927101334	10 ud	42
67020440	BC	8431927101341	10 ud	42
67020520	PG	8431927066176	10 ud	48, 186
67020522	PG	8431927066183	10 ud	48, 186
67020524	PG	8431927066190	10 ud	48, 186
67020610	PG	8431927017024	60 m	32, 68, 101
67020611	PG	8431927017031	48 m	32, 68, 101, 114
67020612	PG	8431927017048	36 m	32, 68, 101, 114
6703				
67030010	GC	8431927044341	100 ud	221
67030013	GC	8431927044358	100 ud	222
67030014	GC	8431927044365	100 ud	161, 221
67030016	GC	8431927092861	1 ud	40
67030020	GC	8431927046291	10 ud	48, 186, 196
67030030	GC	8431927044686	10 ud	38
67030043	GC	8431927016003	20 ud	44
67030045	GC	8431927046475	50 ud	194
67030046	GC	8431927009050	20 ud	46
67030047	GC	8431927009067	10 ud	30
67030049	GC	8431927094407	50 ud	46, 202
67030052	PG	8431927009074	3 m	198
67030053	PG	8431927009081	3 m	198
67030054	GC	8431927101198	100 ud	26, 200
67030055	GC	8431927009098	3 m	198
67030056	GC	8431927044372	100 ud	200
67030057	GC	8431927009104	3 m	198
67030058	GC	8431927044389	100 ud	200
67030059	GC	8431927044396	100 ud	161, 221
67030060	PG	8431927009128	10 ud	194
67030061	GC	8431927009135	1 ud	194

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6703				
67030062	GC	8431927044402	100 ud	221
67030063	GC	8431927044419	100 ud	222
67030064	GC	8431927009142	1 ud	206
67030065	GC	8431927044426	100 ud	221
67030066	GC	8431927044433	100 ud	221
67030068	GC	8431927049131	100 ud	221
67030071	GC	8431927094643	100 ud	118
67030072	GC	8431927094650	100 ud	118
67030074	PG	8431927009159	3 m	198
67030075	PG	8431927009166	3 m	198
67030077	GC	8431927044440	100 ud	161, 221
67030092	GC	8431927092885	100 ud	182, 221
67030093	GC	8431927080523	100 ud	35, 58, 59, 60, 64, 101, 115, 131, 132, 220
67030094	GC	8431927080530	100 ud	108, 110, 112, 130, 155, 161, 220
67030099	GC	8431927009210	100 ud	220
67030100	GC	8431927009227	100 ud	90, 220
67030101	GC	8431927009234	1 ud	207
67030102	GC	8431927045195	1 ud	207
67030109	GC	8431927046284	100 ud	220
67030110	GC	8431927045843	1 ud	188
67030111	GC	8431927045850	1 ud	188
67030112	GC	8431927045867	1 ud	188
67030120	GC	8431927046222	10 ud	48, 186, 196
67030143	GC	8431927016010	20 ud	44
67030144	GC	8431927036940	20 ud	46
67030157	GC	8431927045201	3 m	200
67030158	GC	8431927045218	100 ud	200
67030164	GC	8431927045232	1 ud	206
67030201	GC	8431927009258	1 ud	203
67030202	GC	8431927009265	1 ud	203
67030203	GC	8431927009272	1 ud	204
67030204	GC	8431927009289	1 ud	204
67030205	GC	8431927009296	1 ud	202
67030206	GC	8431927009302	1 ud	205
67030207	GC	8431927009319	1 ud	205
67030208	GC	8431927045249	1 ud	205
67030209	GC	8431927045256	1 ud	203
67030210	GC	8431927045263	1 ud	203
67030211	GC	8431927045270	1 ud	204
67030212	GC	8431927045287	1 ud	204
67030213	GC	8431927045294	1 ud	205
67030214	GC	8431927045300	1 ud	202
67030215	GC	8431927045317	1 ud	206
67030216	GC	8431927045324	1 ud	206
67030252	GC	8431927096197	25 ud	52
67030520	GC	8431927066206	10 ud	48, 186
67030522	GC	8431927066213	10 ud	48, 186
67030524	GC	8431927066220	10 ud	48, 186
67030539	PG	8431927009326	10 ud	46, 186
67030540	PG	8431927009333	10 ud	46, 186
67030541	GC	8431927009340	10 ud	46, 186
67030542	GC	8431927009357	10 ud	46, 186
67030610	GC	8431927017055	60 m	32, 68, 90
67030611	GC	8431927017062	48 m	32, 68, 90, 114
67030612	GC	8431927017079	36 m	32, 68, 90, 114
67030644	GC	8431927044938	1 ud	192
67030645	PG	8431927009401	1 ud	192
67030646	PG	8431927009418	1 ud	192
67030647	PG	8431927009425	1 ud	192
6705				
67050520	304	8431927078537	10 ud	48, 186
67050522	304	8431927078544	10 ud	48, 186
67050524	304	8431927078551	10 ud	48, 186
67050610	304	8431927095503	60 m	32, 68, 101, 114
67050611	304	8431927095510	48 m	32, 68, 101, 114
67050612	304	8431927095527	36 m	32, 68, 101, 114
6706				
67060010	316L	8431927044457	100 ud	221
67060014	316L	8431927018809	100 ud	221
67060043	316L	8431927016034	20 ud	44
67060044	316L	8431927016089	50 ud	194

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6706				
67060045	316L	8431927016096	50 ud	194
67060046	316L	8431927014849	20 ud	46
67060050	316L	8431927046192	100 ud	46
67060053	316L	8431927018816	10 ud	30
67060054	316L	8431927101204	100 ud	26, 200
67060055	316L	8431927018823	3 m	198
67060056	316L	8431927044464	100 ud	200
67060057	316L	8431927018830	3 m	198
67060058	316L	8431927018847	100 ud	200
67060059	316L	8431927044471	100 ud	221
67060062	316L	8431927018854	100 ud	108, 110, 112, 155, 220, 221
67060063	316L	8431927018861	100 ud	222
67060064	316L	8431927018878	100 ud	222
67060065	316L	8431927044488	100 ud	108, 110, 112, 155, 220, 221
67060066	316L	8431927044495	100 ud	221
67060071	316L	8431927094667	100 ud	118
67060072	316L	8431927094674	100 ud	118
67060077	316L	8431927044501	100 ud	221
67060086	316L	8431927044518	100 ud	222
67060099	316L	8431927093790	100 ud	101, 220
67060100	316L	8431927018885	100 ud	90, 220
67060141	316L	8431927016119	50 ud	194
67060143	316L	8431927016041	20 ud	44
67060145	316L	8431927016102	25 ud	194
67060520	316L	8431927066237	10 ud	48, 186
67060522	316L	8431927066244	10 ud	48, 186
67060524	316L	8431927066251	10 ud	48, 186
67060541	316L	8431927018892	10 ud	46, 186
67060542	316L	8431927018908	10 ud	46, 186
67060560	316L	8431927094902	10 ud	48, 186
67060562	316L	8431927094919	10 ud	48, 186
67060564	316L	8431927094926	10 ud	48, 186
67060610	316L	8431927017086	60 m	32, 68, 90
67060611	316L	8431927017093	48 m	32, 68, 90, 114
67060612	316L	8431927017109	36 m	32, 68, 90, 114
6708				
67080030	BK8	8431927087539	10 ud	23, 38
67080040	BK8	8431927088284	10 ud	23, 42
67080043	BK8	8431927087546	20 ud	23, 44
67080045	BK8	8431927093578	50 ud	194
67080046	BK8	8431927087553	20 ud	23, 46
67080053	BK8	8431927088291	10 ud	30
67080143	BK8	8431927087560	20 ud	23, 44
67080240	BK8	8431927101358	10 ud	42
67080252	BK8	8431927096203	25 ud	52
67080340	BK8	8431927101365	10 ud	42
67080440	BK8	8431927101372	10 ud	42
6800				
68000002	RAL 9005	8431927014689	1 ud	40
68000010	RAL 3000	8431927015860	20 ud	38
68000020		8431927017017	50 ud	36
68000032	L	8431927016126	20 ud	32, 33
68000033	L	8431927051189	20 ud	32, 33
68000034	L	8431927051196	20 ud	32, 70, 118
68000035	L	8431927051202	20 ud	32, 33, 70, 118
68000036	L	8431927066336	10 ud	32, 33, 118
68000037	L	8431927066343	10 ud	32, 118
68000038	CU	8431927101600	50 ud	24, 28
68000040		8431927017529	20 ud	36
68000049	RAL 9005	8431927009647	100 ud	36
68000052	GC	8431927009654	1 ud	36
68000053	BK8	8431927091680	1 ud	23, 36
68000058		8431927009661	1 ud	36
68000060	RAL 3000	8431927009678	100 ud	48, 184
68000066		8431927078520	1 ud	48, 49, 185
68000074	RAL 9005	8431927045331	50 ud	202
68000075	RAL 9005	8431927045348	100 ud	202
68000721	PASSV	8431927009692	100 ud	196
68000722	PASSV	8431927009708	100 ud	196
68000731	PASSV	8431927009715	100 ud	196
68000732	PASSV	8431927009722	100 ud	196

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6900				
69000400	RAL 9010	8431927012203	20 ud	40
7002				
70020110	PG	8431927037046	1 ud	72
70020115	PG	8431927037053	1 ud	72
70020120	PG	8431927037060	1 ud	72
70020130	PG	8431927037077	1 ud	72
70020206	PG	8431927044914	1 ud	72
70020210	PG	8431927037084	1 ud	72
70020215	PG	8431927037091	1 ud	72
70020220	PG	8431927037107	1 ud	72
70020230	PG	8431927037114	1 ud	72
70020240	PG	8431927037121	1 ud	72
70020250	PG	8431927037138	1 ud	72
70020260	PG	8431927037145	1 ud	72
70020410	PG	8431927090485	1 ud	72
70020420	PG	8431927045904	1 ud	72
70020430	PG	8431927045911	1 ud	72
70020440	PG	8431927045928	1 ud	72
70020450	PG	8431927045935	1 ud	72
70020460	PG	8431927045942	1 ud	72
70021100	PG	8431927046109	1 ud	82
70021200	PG	8431927046116	1 ud	82
70021400	PG	8431927046130	1 ud	82
70022110	PG	8431927037206	1 ud	73
70022115	PG	8431927037213	1 ud	73
70022120	PG	8431927037220	1 ud	73
70022130	PG	8431927037237	1 ud	73
70022210	PG	8431927037244	1 ud	73
70022215	PG	8431927037251	1 ud	73
70022220	PG	8431927037268	1 ud	73
70022230	PG	8431927037275	1 ud	73
70022240	PG	8431927037282	1 ud	73
70022250	PG	8431927037299	1 ud	73
70022260	PG	8431927037305	1 ud	73
70022410	PG	8431927090492	1 ud	73
70022420	PG	8431927051219	1 ud	73
70022430	PG	8431927051226	1 ud	73
70022440	PG	8431927051233	1 ud	73
70022450	PG	8431927051240	1 ud	73
70022460	PG	8431927051257	1 ud	73
70023110	PG	8431927037367	1 ud	74
70023115	PG	8431927037374	1 ud	74
70023120	PG	8431927037381	1 ud	74
70023130	PG	8431927037398	1 ud	74
70023206	PG	8431927044976	1 ud	74
70023210	PG	8431927037404	1 ud	74
70023215	PG	8431927037411	1 ud	74
70023220	PG	8431927037428	1 ud	74
70023230	PG	8431927037435	1 ud	74
70023240	PG	8431927037442	1 ud	74
70023250	PG	8431927037459	1 ud	74
70023260	PG	8431927037466	1 ud	74
70023410	PG	8431927090508	1 ud	74
70023420	PG	8431927045959	1 ud	74
70023430	PG	8431927045966	1 ud	74
70023440	PG	8431927045973	1 ud	74
70023450	PG	8431927045980	1 ud	74
70023460	PG	8431927045997	1 ud	74
70024110	PG	8431927037527	1 ud	76
70024115	PG	8431927037534	1 ud	76
70024120	PG	8431927037541	1 ud	76
70024130	PG	8431927037558	1 ud	76
70024210	PG	8431927037565	1 ud	76
70024215	PG	8431927037572	1 ud	76
70024220	PG	8431927037589	1 ud	76
70024230	PG	8431927037596	1 ud	76
70024240	PG	8431927037602	1 ud	76
70024250	PG	8431927037619	1 ud	76
70024260	PG	8431927037626	1 ud	76
70024410	PG	8431927090515	1 ud	76
70024420	PG	8431927051264	1 ud	76
70024430	PG	8431927051271	1 ud	76
70024440	PG	8431927051288	1 ud	76
70024450	PG	8431927051295	1 ud	76
70024460	PG	8431927051301	1 ud	76

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7002				
70025110	PG	8431927037688	1 ud	77
70025115	PG	8431927037695	1 ud	77
70025120	PG	8431927037701	1 ud	77
70025130	PG	8431927037718	1 ud	77
70025206	PG	8431927044983	1 ud	77
70025210	PG	8431927037725	1 ud	77
70025215	PG	8431927037732	1 ud	77
70025220	PG	8431927037749	1 ud	77
70025230	PG	8431927037756	1 ud	77
70025240	PG	8431927037763	1 ud	77
70025250	PG	8431927037770	1 ud	77
70025410	PG	8431927090522	1 ud	77
70025420	PG	8431927051318	1 ud	77
70025430	PG	8431927051325	1 ud	77
70025440	PG	8431927051332	1 ud	77
70025450	PG	8431927051349	1 ud	77
70025460	PG	8431927051356	1 ud	77
70026110	PG	8431927037848	1 ud	78
70026115	PG	8431927037855	1 ud	78
70026120	PG	8431927037862	1 ud	78
70026130	PG	8431927037879	1 ud	78
70026206	PG	8431927044990	1 ud	78
70026210	PG	8431927037886	1 ud	78
70026215	PG	8431927037893	1 ud	78
70026220	PG	8431927037909	1 ud	78
70026230	PG	8431927037916	1 ud	78
70026240	PG	8431927037923	1 ud	78
70026250	PG	8431927037930	1 ud	78
70026260	PG	8431927037947	1 ud	78
70026410	PG	8431927090539	1 ud	78
70026420	PG	8431927051363	1 ud	78
70026430	PG	8431927051370	1 ud	78
70026440	PG	8431927051387	1 ud	78
70026450	PG	8431927051394	1 ud	78
70026460	PG	8431927051400	1 ud	78
70027100	PG	8431927044259	1 ud	70
70027150	PG	8431927044266	1 ud	70
70028110	PG	8431927043832	1 ud	80
70028115	PG	8431927043849	1 ud	80
70028120	PG	8431927043856	1 ud	80
70028130	PG	8431927043863	1 ud	80
70028210	PG	8431927043870	1 ud	80
70028215	PG	8431927043887	1 ud	80
70028220	PG	8431927043894	1 ud	80
70028230	PG	8431927043900	1 ud	80
7003				
70030110	GC	8431927038005	1 ud	72
70030115	GC	8431927038012	1 ud	72
70030120	GC	8431927038029	1 ud	72
70030130	GC	8431927038036	1 ud	72
70030210	GC	8431927038043	1 ud	72
70030215	GC	8431927038050	1 ud	72
70030220	GC	8431927038067	1 ud	72
70030230	GC	8431927038074	1 ud	72
70030240	GC	8431927038081	1 ud	72
70030250	GC	8431927038098	1 ud	72
70030260	GC	8431927038104	1 ud	72
70030410	GC	8431927083128	1 ud	72
70030420	GC	8431927046000	1 ud	72
70030430	GC	8431927046017	1 ud	72
70030440	GC	8431927046024	1 ud	72
70030450	GC	8431927046031	1 ud	72
70030460	GC	8431927046048	1 ud	72
70031100	GC	8431927046147	1 ud	82
70031200	GC	8431927046154	1 ud	82
70031400	GC	8431927046178	1 ud	82
70032110	GC	8431927038166	1 ud	73
70032115	GC	8431927038173	1 ud	73
70032120	GC	8431927038180	1 ud	73
70032130	GC	8431927038197	1 ud	73
70032210	GC	8431927038203	1 ud	73
70032215	GC	8431927038210	1 ud	73
70032220	GC	8431927038227	1 ud	73
70032230	GC	8431927038234	1 ud	73
70032240	GC	8431927038241	1 ud	73

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7003				
70032250	GC	8431927038258	1 ud	73
70032260	GC	8431927038265	1 ud	73
70032410	GC	8431927083135	1 ud	73
70032420	GC	8431927051417	1 ud	73
70032430	GC	8431927051424	1 ud	73
70032440	GC	8431927051431	1 ud	73
70032450	GC	8431927051448	1 ud	73
70032460	GC	8431927051455	1 ud	73
70033110	GC	8431927038326	1 ud	74
70033115	GC	8431927038333	1 ud	74
70033120	GC	8431927038340	1 ud	74
70033130	GC	8431927038357	1 ud	74
70033210	GC	8431927038364	1 ud	74
70033215	GC	8431927038371	1 ud	74
70033220	GC	8431927038388	1 ud	74
70033230	GC	8431927038395	1 ud	74
70033240	GC	8431927038401	1 ud	74
70033250	GC	8431927038418	1 ud	74
70033260	GC	8431927038425	1 ud	74
70033410	GC	8431927090546	1 ud	74
70033420	GC	8431927046055	1 ud	74
70033430	GC	8431927046062	1 ud	74
70033440	GC	8431927046079	1 ud	74
70033450	GC	8431927046086	1 ud	74
70033460	GC	8431927046093	1 ud	74
70034110	GC	8431927038487	1 ud	76
70034115	GC	8431927038494	1 ud	76
70034120	GC	8431927038500	1 ud	76
70034130	GC	8431927038517	1 ud	76
70034210	GC	8431927038524	1 ud	76
70034215	GC	8431927038531	1 ud	76
70034220	GC	8431927038548	1 ud	76
70034230	GC	8431927038555	1 ud	76
70034240	GC	8431927038562	1 ud	76
70034250	GC	8431927038579	1 ud	76
70034260	GC	8431927038586	1 ud	76
70034410	GC	8431927085290	1 ud	76
70034420	GC	8431927051462	1 ud	76
70034430	GC	8431927051479	1 ud	76
70034440	GC	8431927051486	1 ud	76
70034450	GC	8431927051493	1 ud	76
70034460	GC	8431927051509	1 ud	76
70035110	GC	8431927038647	1 ud	77
70035115	GC	8431927038654	1 ud	77
70035120	GC	8431927038661	1 ud	77
70035130	GC	8431927038678	1 ud	77
70035210	GC	8431927038685	1 ud	77
70035215	GC	8431927038692	1 ud	77
70035220	GC	8431927038708	1 ud	77
70035230	GC	8431927038715	1 ud	77
70035240	GC	8431927038722	1 ud	77
70035250	GC	8431927038739	1 ud	77
70035260	GC	8431927038746	1 ud	77
70035410	GC	8431927083142	1 ud	77
70035420	GC	8431927051516	1 ud	77
70035430	GC	8431927051523	1 ud	77
70035440	GC	8431927051530	1 ud	77
70035450	GC	8431927051547	1 ud	77
70035460	GC	8431927051554	1 ud	77
70036110	GC	8431927038807	1 ud	78
70036115	GC	8431927038814	1 ud	78
70036120	GC	8431927038821	1 ud	78
70036130	GC	8431927038838	1 ud	78
70036210	GC	8431927038845	1 ud	78
70036215	GC	8431927038852	1 ud	78
70036220	GC	8431927038869	1 ud	78
70036230	GC	8431927038876	1 ud	78
70036240	GC	8431927038883	1 ud	78
70036250	GC	8431927038890	1 ud	78
70036260	GC	8431927038906	1 ud	78
70036410	GC	8431927083159	1 ud	78
70036420	GC	8431927051561	1 ud	78
70036430	GC	8431927051578	1 ud	78
70036440	GC	8431927051585	1 ud	78
70036450	GC	8431927051592	1 ud	78
70036460	GC	8431927051608	1 ud	78

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7003				
70037100	GC	8431927044273	1 ud	70
70037150	GC	8431927044280	1 ud	70
70038110	GC	8431927043917	1 ud	80
70038115	GC	8431927043924	1 ud	80
70038120	GC	8431927043931	1 ud	80
70038130	GC	8431927043948	1 ud	80
70038210	GC	8431927043955	1 ud	80
70038215	GC	8431927043962	1 ud	80
70038220	GC	8431927043979	1 ud	80
70038230	GC	8431927043986	1 ud	80
70039110	GC	8431927044174	1 ud	82
70039115	GC	8431927044181	1 ud	82
70039120	GC	8431927044198	1 ud	82
70039130	GC	8431927044204	1 ud	82
70039210	GC	8431927044211	1 ud	82, 132
70039215	GC	8431927044228	1 ud	82, 132
70039220	GC	8431927044235	1 ud	82, 132
70039230	GC	8431927044242	1 ud	82, 132
70039240	GC	8431927049476	1 ud	82, 132
70039245	GC	8431927050700	1 ud	132
70039250	GC	8431927049483	1 ud	82, 132
70039260	GC	8431927049490	1 ud	82, 132
70039410	GC	8431927049568	1 ud	82, 132
70039415	GC	8431927050717	1 ud	132
70039420	GC	8431927049575	1 ud	82, 132
70039430	GC	8431927049582	1 ud	82, 132
70039440	GC	8431927049599	1 ud	82, 132
70039445	GC	8431927050724	1 ud	132
70039450	GC	8431927049605	1 ud	82, 132
70039460	GC	8431927049612	1 ud	82, 132
70039510	GC	8431927054845	1 ud	131, 132
70039515	GC	8431927054852	1 ud	131, 132
70039520	GC	8431927054869	1 ud	131, 132
70039530	GC	8431927054876	1 ud	131, 132
70039540	GC	8431927054883	1 ud	131, 132
70039545	GC	8431927054890	1 ud	131, 132
70039550	GC	8431927054906	1 ud	131, 132
70039560	GC	8431927054913	1 ud	131, 132
7005				
70050210	304	8431927093455	1 ud	72
70050215	304	8431927093462	1 ud	72
70050220	304	8431927093479	1 ud	72
70050230	304	8431927093486	1 ud	72
70050240	304	8431927093493	1 ud	72
70050250	304	8431927093509	1 ud	72
70050260	304	8431927093516	1 ud	72
70051200	304	8431927093523	1 ud	82
70052210	304	8431927093530	1 ud	73
70052215	304	8431927093547	1 ud	73
70052220	304	8431927093554	1 ud	73
70052230	304	8431927093561	1 ud	73
70052240	304	8431927088468	1 ud	73
70052250	304	8431927088475	1 ud	73
70052260	304	8431927088482	1 ud	73
70053210	304	8431927088499	1 ud	74
70053215	304	8431927088505	1 ud	74
70053220	304	8431927088512	1 ud	74
70053230	304	8431927088529	1 ud	74
70053240	304	8431927088536	1 ud	74
70053250	304	8431927088543	1 ud	74
70053260	304	8431927088550	1 ud	74
70054210	304	8431927088567	1 ud	76
70054215	304	8431927088574	1 ud	76
70054220	304	8431927088581	1 ud	76
70054230	304	8431927088598	1 ud	76
70054240	304	8431927088604	1 ud	76
70054250	304	8431927088611	1 ud	76
70054260	304	8431927088628	1 ud	76
70055210	304	8431927088635	1 ud	77
70055215	304	8431927088642	1 ud	77
70055220	304	8431927088659	1 ud	77
70055230	304	8431927088666	1 ud	77
70055240	304	8431927088673	1 ud	77
70055250	304	8431927088680	1 ud	77
70055260	304	8431927088697	1 ud	77

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7005				
70056210	304	8431927088703	1 ud	78
70056215	304	8431927088710	1 ud	78
70056220	304	8431927088727	1 ud	78
70056230	304	8431927088734	1 ud	78
70056240	304	8431927088741	1 ud	78
70056250	304	8431927088758	1 ud	78
70056260	304	8431927088765	1 ud	78
70058210	304	8431927088772	1 ud	80
70058215	304	8431927088789	1 ud	80
70058220	304	8431927088796	1 ud	80
70058230	304	8431927088802	1 ud	80
7006				
70060210	316L	8431927088888	1 ud	72
70060215	316L	8431927088895	1 ud	72
70060220	316L	8431927088901	1 ud	72
70060230	316L	8431927088918	1 ud	72
70060240	316L	8431927088925	1 ud	72
70060250	316L	8431927088932	1 ud	72
70060260	316L	8431927088949	1 ud	72
70061200	316L	8431927088956	1 ud	82
70062210	316L	8431927088963	1 ud	73
70062215	316L	8431927088970	1 ud	73
70062220	316L	8431927088987	1 ud	73
70062230	316L	8431927088994	1 ud	73
70062240	316L	8431927089007	1 ud	73
70062250	316L	8431927089014	1 ud	73
70062260	316L	8431927089021	1 ud	73
70063210	316L	8431927089038	1 ud	74
70063215	316L	8431927089045	1 ud	74
70063220	316L	8431927089052	1 ud	74
70063230	316L	8431927089069	1 ud	74
70063240	316L	8431927089076	1 ud	74
70063250	316L	8431927089083	1 ud	74
70063260	316L	8431927089090	1 ud	74
70064210	316L	8431927089106	1 ud	76
70064215	316L	8431927089113	1 ud	76
70064220	316L	8431927089120	1 ud	76
70064230	316L	8431927089137	1 ud	76
70064240	316L	8431927089144	1 ud	76
70064250	316L	8431927089151	1 ud	76
70064260	316L	8431927089168	1 ud	76
70065210	316L	8431927089175	1 ud	77
70065215	316L	8431927089182	1 ud	77
70065220	316L	8431927089199	1 ud	77
70065230	316L	8431927089205	1 ud	77
70065240	316L	8431927089212	1 ud	77
70065250	316L	8431927089229	1 ud	77
70065260	316L	8431927089236	1 ud	77
70066210	316L	8431927089243	1 ud	78
70066215	316L	8431927089250	1 ud	78
70066220	316L	8431927089267	1 ud	78
70066230	316L	8431927089274	1 ud	78
70066240	316L	8431927089281	1 ud	78
70066250	316L	8431927089298	1 ud	78
70066260	316L	8431927089304	1 ud	78
70068210	316L	8431927089311	1 ud	80
70068215	316L	8431927089328	1 ud	80
70068220	316L	8431927089335	1 ud	80
70068230	316L	8431927089342	1 ud	80
7012				
70120200	PG	8431927045881	1 ud	34, 70, 114
70122210	PG	8431927087751	10 ud	68
70122215	PG	8431927087768	10 ud	68
70122220	PG	8431927087775	10 ud	68
70122230	PG	8431927087782	10 ud	68
70122240	PG	8431927087799	10 ud	68
7013				
70130200	GC	8431927045898	1 ud	34, 70, 114
70132210	GC	8431927087805	10 ud	68
70132215	GC	8431927087812	10 ud	68
70132220	GC	8431927087829	10 ud	68
70132230	GC	8431927087836	10 ud	68
70132240	GC	8431927087843	10 ud	68

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7020				
70203010	GC	8431927085825	1 ud	92
70203015	GC	8431927085832	1 ud	92
70203020	GC	8431927085849	1 ud	92
70203030	GC	8431927085856	1 ud	92
70203110	GC	8431927079015	1 ud	92
70203115	GC	8431927079022	1 ud	92
70203120	GC	8431927079039	1 ud	92
70203130	GC	8431927079046	1 ud	92
70203140	GC	8431927079053	1 ud	92
70203150	GC	8431927079060	1 ud	92
70203160	GC	8431927079077	1 ud	92
70203210	GC	8431927079091	1 ud	92
70203215	GC	8431927079107	1 ud	92
70203220	GC	8431927079114	1 ud	92
70203230	GC	8431927079121	1 ud	92
70203240	GC	8431927079138	1 ud	92
70203250	GC	8431927079145	1 ud	92
70203260	GC	8431927079152	1 ud	92
70203310	GC	8431927079169	1 ud	92
70203315	GC	8431927079176	1 ud	92
70203320	GC	8431927079183	1 ud	92
70203330	GC	8431927079190	1 ud	92
70203340	GC	8431927079206	1 ud	92
70203350	GC	8431927079213	1 ud	92
70203360	GC	8431927079220	1 ud	92
7021				
70213010	GC	8431927085948	1 ud	93
70213015	GC	8431927085955	1 ud	93
70213020	GC	8431927085962	1 ud	93
70213030	GC	8431927085979	1 ud	93
70213110	GC	8431927079237	1 ud	93
70213115	GC	8431927079244	1 ud	93
70213120	GC	8431927079251	1 ud	93
70213130	GC	8431927079268	1 ud	93
70213140	GC	8431927079275	1 ud	93
70213150	GC	8431927079282	1 ud	93
70213160	GC	8431927079299	1 ud	93
70213210	GC	8431927079312	1 ud	93
70213215	GC	8431927079329	1 ud	93
70213220	GC	8431927079336	1 ud	93
70213230	GC	8431927079343	1 ud	93
70213240	GC	8431927079350	1 ud	93
70213250	GC	8431927079367	1 ud	93
70213260	GC	8431927079374	1 ud	93
70213310	GC	8431927079381	1 ud	93
70213315	GC	8431927079398	1 ud	93
70213320	GC	8431927079404	1 ud	93
70213330	GC	8431927079411	1 ud	93
70213340	GC	8431927079428	1 ud	93
70213350	GC	8431927079435	1 ud	93
70213360	GC	8431927079442	1 ud	93
7022				
70223010	GC	8431927086068	1 ud	93
70223015	GC	8431927086075	1 ud	93
70223020	GC	8431927086082	1 ud	93
70223030	GC	8431927086099	1 ud	93
70223110	GC	8431927079459	1 ud	93
70223115	GC	8431927079466	1 ud	93
70223120	GC	8431927079473	1 ud	93
70223130	GC	8431927079480	1 ud	93
70223140	GC	8431927079497	1 ud	93
70223150	GC	8431927079503	1 ud	93
70223160	GC	8431927079510	1 ud	93
70223210	GC	8431927079534	1 ud	93
70223215	GC	8431927079541	1 ud	93
70223220	GC	8431927079558	1 ud	93
70223230	GC	8431927079565	1 ud	93
70223240	GC	8431927079572	1 ud	93
70223250	GC	8431927079589	1 ud	93
70223260	GC	8431927079596	1 ud	93
70223310	GC	8431927079602	1 ud	93
70223315	GC	8431927079619	1 ud	93
70223320	GC	8431927079626	1 ud	93
70223330	GC	8431927079633	1 ud	93

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7022				
70223340	GC	8431927079640	1 ud	93
70223350	GC	8431927079657	1 ud	93
70223360	GC	8431927079664	1 ud	93
7023				
70233010	GC	8431927086181	1 ud	94
70233015	GC	8431927086198	1 ud	94
70233020	GC	8431927086204	1 ud	94
70233030	GC	8431927086211	1 ud	94
70233110	GC	8431927079671	1 ud	94
70233115	GC	8431927079688	1 ud	94
70233120	GC	8431927079695	1 ud	94
70233130	GC	8431927079701	1 ud	94
70233140	GC	8431927079718	1 ud	94
70233150	GC	8431927079725	1 ud	94
70233160	GC	8431927079732	1 ud	94
70233210	GC	8431927079756	1 ud	94
70233215	GC	8431927079763	1 ud	94
70233220	GC	8431927079770	1 ud	94
70233230	GC	8431927079787	1 ud	94
70233240	GC	8431927079794	1 ud	94
70233250	GC	8431927079800	1 ud	94
70233260	GC	8431927079817	1 ud	94
70233310	GC	8431927079824	1 ud	94
70233315	GC	8431927079831	1 ud	94
70233320	GC	8431927079848	1 ud	94
70233330	GC	8431927079855	1 ud	94
70233340	GC	8431927079862	1 ud	94
70233350	GC	8431927079879	1 ud	94
70233360	GC	8431927079886	1 ud	94
7024				
70243010	GC	8431927086303	1 ud	95
70243015	GC	8431927086310	1 ud	95
70243020	GC	8431927086327	1 ud	95
70243030	GC	8431927086334	1 ud	95
70243110	GC	8431927079893	1 ud	95
70243115	GC	8431927079909	1 ud	95
70243120	GC	8431927079916	1 ud	95
70243130	GC	8431927079923	1 ud	95
70243140	GC	8431927079930	1 ud	95
70243150	GC	8431927079947	1 ud	95
70243160	GC	8431927079954	1 ud	95
70243210	GC	8431927079978	1 ud	95
70243215	GC	8431927079985	1 ud	95
70243220	GC	8431927079992	1 ud	95
70243230	GC	8431927080004	1 ud	95
70243240	GC	8431927080011	1 ud	95
70243250	GC	8431927080028	1 ud	95
70243260	GC	8431927080035	1 ud	95
70243310	GC	8431927080042	1 ud	95
70243315	GC	8431927080059	1 ud	95
70243320	GC	8431927080066	1 ud	95
70243330	GC	8431927080073	1 ud	95
70243340	GC	8431927080080	1 ud	95
70243350	GC	8431927080097	1 ud	95
70243360	GC	8431927080103	1 ud	95
7025				
70253010	GC	8431927086662	1 ud	96
70253015	GC	8431927086679	1 ud	96
70253020	GC	8431927086686	1 ud	96
70253030	GC	8431927086693	1 ud	96
70253110	GC	8431927080110	1 ud	96
70253115	GC	8431927080127	1 ud	96
70253120	GC	8431927080134	1 ud	96
70253130	GC	8431927080141	1 ud	96
70253140	GC	8431927080158	1 ud	96
70253150	GC	8431927080165	1 ud	96
70253160	GC	8431927080172	1 ud	96
70253210	GC	8431927080196	1 ud	96
70253215	GC	8431927080202	1 ud	96
70253220	GC	8431927080219	1 ud	96
70253230	GC	8431927080226	1 ud	96
70253240	GC	8431927080233	1 ud	96
70253250	GC	8431927080240	1 ud	96

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7025				
70253260	GC	8431927080257	1 ud	96
70253310	GC	8431927080264	1 ud	96
70253315	GC	8431927080271	1 ud	96
70253320	GC	8431927080288	1 ud	96
70253330	GC	8431927080295	1 ud	96
70253340	GC	8431927080301	1 ud	96
70253350	GC	8431927080318	1 ud	96
70253360	GC	8431927080325	1 ud	96
7026				
70263030	GC	8431927086839	1 ud	94
70263130	GC	8431927080332	1 ud	94
70263140	GC	8431927080349	1 ud	94
70263150	GC	8431927080356	1 ud	94
70263160	GC	8431927080363	1 ud	94
70263230	GC	8431927080370	1 ud	94
70263240	GC	8431927080387	1 ud	94
70263250	GC	8431927080394	1 ud	94
70263260	GC	8431927080400	1 ud	94
70263330	GC	8431927080417	1 ud	94
70263340	GC	8431927080424	1 ud	94
70263350	GC	8431927080431	1 ud	94
70263360	GC	8431927080448	1 ud	94
7029				
70293000	GC	8431927085801	10 ud	90
70293001	GC	8431927080455	10 ud	90
70293002	GC	8431927085818	10 ud	90
70293003	GC	8431927080462	10 ud	90
70293010	GC	8431927085795	10 ud	90
70293011	GC	8431927080479	10 ud	90
70293013	GC	8431927082923	10 ud	90
70293014	GC	8431927082930	10 ud	90
7030				
70303010	GC	8431927082947	1 ud	92
70303015	GC	8431927090690	1 ud	92
70303020	GC	8431927082954	1 ud	92
70303030	GC	8431927101150	1 ud	92
70303040	GC	8431927082961	1 ud	92
7034				
70343010	GC	8431927082978	1 ud	95
70343020	GC	8431927082985	1 ud	95
70343030	GC	8431927101174	1 ud	95
70343040	GC	8431927082992	1 ud	95
7035				
70353010	GC	8431927083005	1 ud	96
70353015	GC	8431927090706	1 ud	96
70353020	GC	8431927083012	1 ud	96
70353030	GC	8431927101181	1 ud	96
70353040	GC	8431927083029	1 ud	96
7039				
70393005	GC	8431927087621	2 m	91
70393010	GC	8431927083036	2 m	91
70393015	GC	8431927086426	2 m	91
70393020	GC	8431927083043	2 m	91
70393030	GC	8431927086433	2 m	91
70393040	GC	8431927083050	2 m	91
70393050	GC	8431927083067	2 m	91
70393060	GC	8431927086440	2 m	91
70393105	GC	8431927087638	3 m	91
70393110	GC	8431927086457	3 m	91
70393115	GC	8431927086464	3 m	91
70393120	GC	8431927086471	3 m	91
70393130	GC	8431927086488	3 m	91
70393140	GC	8431927086495	3 m	91
70393150	GC	8431927086501	3 m	91
70393160	GC	8431927086518	3 m	91
70393210	GC	8431927086525	2 m	91
70393215	GC	8431927086532	2 m	91
70393220	GC	8431927086549	2 m	91
70393230	GC	8431927086556	2 m	91
70393240	GC	8431927086563	2 m	91
70393250	GC	8431927086570	2 m	91

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7039				
70393260	GC	8431927086587	2 m	91
70393310	GC	8431927086594	3 m	91
70393315	GC	8431927086600	3 m	91
70393320	GC	8431927086617	3 m	91
70393330	GC	8431927086624	3 m	91
70393340	GC	8431927086631	3 m	91
70393350	GC	8431927086648	3 m	91
70393360	GC	8431927086655	3 m	91
7042				
70420911	PG	8431927009739	10 ud	68, 101, 116
7043				
70430911	GC	8431927009746	10 ud	68, 101, 116
7100				
71000000		8431927009753	25 m	69, 101
71000001		8431927068262	20 m	66
7102				
71020300	PG	8431927009760	10 ud	64
71020400	PG	8431927009777	10 ud	64
71020500	PG	8431927009784	10 ud	64
71020600	PG	8431927009791	10 ud	64
71021005	PG	8431927009814	50 ud	64
71021006	PG	8431927009821	4 ud	64
71021010	PG	8431927044013	1 ud	80, 82
71021015	PG	8431927044020	1 ud	80, 82
71021020	PG	8431927044037	1 ud	80, 82
71021030	PG	8431927044044	1 ud	80, 82
71022006	PG	8431927010063	4 ud	64
71022010	PG	8431927044051	1 ud	80, 82, 131, 132
71022015	PG	8431927044068	1 ud	80, 82, 131, 132
71022020	PG	8431927044075	1 ud	80, 82, 131, 132
71022030	PG	8431927044082	1 ud	80, 82, 131, 132
71022040	PG	8431927049629	1 ud	80, 82, 131, 132
71022050	PG	8431927049636	1 ud	80, 82, 131, 132
71022060	PG	8431927049643	1 ud	80, 82, 131, 132
71024010	PG	8431927090553	1 ud	80, 82, 131, 132
71024020	PG	8431927049704	1 ud	80, 82, 131, 132
71024030	PG	8431927049711	1 ud	80, 82, 131, 132
71024040	PG	8431927049728	1 ud	80, 82, 131, 132
71024050	PG	8431927049735	1 ud	80, 82, 131, 132
71024060	PG	8431927049742	1 ud	80, 82, 131, 132
71025010	PG	8431927055019	1 ud	131, 132
71025015	PG	8431927055026	1 ud	131, 132
71025020	PG	8431927055033	1 ud	131, 132
71025030	PG	8431927055040	1 ud	131, 132
71025040	PG	8431927055057	1 ud	131, 132
71025045	PG	8431927055064	1 ud	131, 132
71025050	PG	8431927055071	1 ud	131, 132
71025060	PG	8431927055088	1 ud	131, 132
7103				
71030300	GC	8431927010414	10 ud	64
71030400	GC	8431927010421	10 ud	64
71030500	GC	8431927010438	10 ud	64
71030600	GC	8431927010445	10 ud	64
71031006	GC	8431927010476	4 ud	64
71031010	GC	8431927044099	1 ud	80, 131
71031015	GC	8431927044105	1 ud	80, 131
71031020	GC	8431927044112	1 ud	80, 131
71031030	GC	8431927044129	1 ud	80, 131
71032006	GC	8431927010711	4 ud	64
71032010	GC	8431927044136	1 ud	80, 131
71032015	GC	8431927044143	1 ud	80, 131
71032020	GC	8431927044150	1 ud	80, 131
71032030	GC	8431927044167	1 ud	80, 131
71032040	GC	8431927049759	1 ud	80
71032050	GC	8431927049766	1 ud	80
71032060	GC	8431927049773	1 ud	80
71034010	GC	8431927049841	1 ud	80, 131
71034020	GC	8431927049858	1 ud	80, 131
71034030	GC	8431927049865	1 ud	80, 131
71034040	GC	8431927049872	1 ud	80, 131
71034050	GC	8431927049889	1 ud	80, 131
71034060	GC	8431927049896	1 ud	80, 131

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7105				
71050300	304	8431927089427	10 ud	64
71050400	304	8431927089434	10 ud	64
71050500	304	8431927089441	10 ud	64
71050600	304	8431927089458	10 ud	64
71052010	304	8431927089465	1 ud	80, 82, 131, 132
71052015	304	8431927089472	1 ud	80, 82, 131, 132
71052020	304	8431927089489	1 ud	80, 82, 131, 132
71052030	304	8431927089496	1 ud	80, 82, 131, 132
71052040	304	8431927089502	1 ud	80, 82, 131, 132
71052050	304	8431927089519	1 ud	80, 82, 131, 132
71052060	304	8431927089526	1 ud	80, 82, 131, 132
7106				
71062010	316L	8431927089571	1 ud	80, 82, 131, 132
71062015	316L	8431927089588	1 ud	80, 82, 131, 132
71062020	316L	8431927089595	1 ud	80, 82, 131, 132
71062030	316L	8431927089601	1 ud	80, 82, 131, 132
71062040	316L	8431927089618	1 ud	80, 82, 131, 132
71062050	316L	8431927089625	1 ud	80, 82, 131, 132
71062060	316L	8431927089632	1 ud	80, 82, 131, 132
7116				
71160300			1 ud	64
71160400			1 ud	64
71160500			1 ud	64
71160600			1 ud	64
7302				
73020060	PG	8431927044921	1 ud	72
73020100	PG	8431927038968	1 ud	72
73020150	PG	8431927038975	1 ud	72
73020200	PG	8431927038982	1 ud	72
73020300	PG	8431927038999	1 ud	72
73020400	PG	8431927039002	1 ud	72
73020500	PG	8431927039019	1 ud	72
73020600	PG	8431927039026	1 ud	72
73021060	PG	8431927016133	24 m	34, 66
73021100	PG	8431927016140	24 m	34, 66, 114
73021150	PG	8431927016157	12 m	34, 66, 114
73021200	PG	8431927016164	12 m	34, 66, 114
73021300	PG	8431927016171	6 m	34, 66, 114
73021400	PG	8431927016188	6 m	34, 66, 114
73021450	PG	8431927101549	6 m	114
73021500	PG	8431927016195	6 m	34, 66, 114
73021600	PG	8431927016201	6 m	34, 66, 114
73021750	PG	8431927101556	4 m	114
73021900	PG	8431927101563	4 m	114
73022100	PG	8431927039033	1 ud	73
73022150	PG	8431927039040	1 ud	73
73022200	PG	8431927039057	1 ud	73
73022300	PG	8431927039064	1 ud	73
73022400	PG	8431927039071	1 ud	73
73022500	PG	8431927039088	1 ud	73
73022600	PG	8431927039095	1 ud	73
73023060	PG	8431927045003	1 ud	74
73023100	PG	8431927039101	1 ud	74
73023150	PG	8431927039118	1 ud	74
73023200	PG	8431927039125	1 ud	74
73023300	PG	8431927039132	1 ud	74
73023400	PG	8431927039149	1 ud	74
73023500	PG	8431927039156	1 ud	74
73023600	PG	8431927039163	1 ud	74
73024100	PG	8431927039170	1 ud	76
73024150	PG	8431927039187	1 ud	76
73024200	PG	8431927039194	1 ud	76
73024300	PG	8431927039200	1 ud	76
73024400	PG	8431927039217	1 ud	76
73024500	PG	8431927039224	1 ud	76
73024600	PG	8431927039231	1 ud	76
73025060	PG	8431927045010	1 ud	77
73025100	PG	8431927039248	1 ud	77
73025150	PG	8431927039255	1 ud	77
73025200	PG	8431927039262	1 ud	77
73025300	PG	8431927039279	1 ud	77
73025400	PG	8431927039286	1 ud	77
73025500	PG	8431927039293	1 ud	77
73025600	PG	8431927039309	1 ud	77

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7302				
73026060	PG	8431927045027	1 ud	78
73026100	PG	8431927039316	1 ud	78
73026150	PG	8431927039323	1 ud	78
73026200	PG	8431927039330	1 ud	78
73026300	PG	8431927039347	1 ud	78
73026400	PG	8431927039354	1 ud	78
73026500	PG	8431927039361	1 ud	78
73026600	PG	8431927039378	1 ud	78
7303				
73030100	GC	8431927039385	1 ud	72
73030150	GC	8431927039392	1 ud	72
73030200	GC	8431927039408	1 ud	72
73030300	GC	8431927039415	1 ud	72
73030400	GC	8431927039422	1 ud	72
73030500	GC	8431927039439	1 ud	72
73030600	GC	8431927039446	1 ud	72
73031060	GC	8431927016218	24 m	34, 66
73031100	GC	8431927016225	24 m	34, 66, 114
73031150	GC	8431927016232	12 m	34, 66, 114
73031200	GC	8431927016249	12 m	34, 66, 114
73031300	GC	8431927016256	6 m	34, 66, 114
73031400	GC	8431927016263	6 m	34, 66, 114
73031450	GC	8431927050762	6 m	34, 66, 114
73031500	GC	8431927016270	6 m	34, 66, 114
73031600	GC	8431927016287	6 m	34, 66, 114
73031750	GC	8431927050779	4 m	114
73031900	GC	8431927049179	4 m	114
73032100	GC	8431927039453	1 ud	73
73032150	GC	8431927039460	1 ud	73
73032200	GC	8431927039477	1 ud	73
73032300	GC	8431927039484	1 ud	73
73032400	GC	8431927039491	1 ud	73
73032500	GC	8431927039507	1 ud	73
73032600	GC	8431927039514	1 ud	73
73033100	GC	8431927039521	1 ud	74
73033150	GC	8431927039538	1 ud	74
73033200	GC	8431927039545	1 ud	74
73033300	GC	8431927039552	1 ud	74
73033400	GC	8431927039569	1 ud	74
73033500	GC	8431927039576	1 ud	74
73033600	GC	8431927039583	1 ud	74
73034100	GC	8431927039590	1 ud	76
73034150	GC	8431927039606	1 ud	76
73034200	GC	8431927039613	1 ud	76
73034300	GC	8431927039620	1 ud	76
73034400	GC	8431927039637	1 ud	76
73034500	GC	8431927039644	1 ud	76
73034600	GC	8431927039651	1 ud	76
73035100	GC	8431927039668	1 ud	77
73035150	GC	8431927039675	1 ud	77
73035200	GC	8431927039682	1 ud	77
73035300	GC	8431927039699	1 ud	77
73035400	GC	8431927039705	1 ud	77
73035500	GC	8431927039712	1 ud	77
73035600	GC	8431927039729	1 ud	77
73036100	GC	8431927039736	1 ud	78
73036150	GC	8431927039743	1 ud	78
73036200	GC	8431927039750	1 ud	78
73036300	GC	8431927039767	1 ud	78
73036400	GC	8431927039774	1 ud	78
73036500	GC	8431927039781	1 ud	78
73036600	GC	8431927039798	1 ud	78
7305				
73050100	304	8431927089649	1 ud	72
73050150	304	8431927089656	1 ud	72
73050200	304	8431927089663	1 ud	72
73050300	304	8431927089670	1 ud	72
73050400	304	8431927089687	1 ud	72
73050500	304	8431927089694	1 ud	72
73050600	304	8431927089700	1 ud	72
73051060	304	8431927078421	24 m	34, 66
73051100	304	8431927078438	24 m	34, 66, 114
73051150	304	8431927078445	12 m	34, 66, 114
73051200	304	8431927078452	12 m	34, 66, 114
73051300	304	8431927078469	6 m	34, 66, 114

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7305				
73051400	304	8431927078476	6 m	34, 66, 114
73051500	304	8431927078483	6 m	34, 66, 114
73051600	304	8431927078490	6 m	34, 66, 114
73052100	304	8431927089717	1 ud	73
73052150	304	8431927089724	1 ud	73
73052200	304	8431927089731	1 ud	73
73052300	304	8431927089748	1 ud	73
73052400	304	8431927089755	1 ud	73
73052500	304	8431927089762	1 ud	73
73052600	304	8431927089779	1 ud	73
73053100	304	8431927089786	1 ud	74
73053150	304	8431927089793	1 ud	74
73053200	304	8431927089809	1 ud	74
73053300	304	8431927089816	1 ud	74
73053400	304	8431927089823	1 ud	74
73053500	304	8431927089830	1 ud	74
73053600	304	8431927089847	1 ud	74
73054100	304	8431927089854	1 ud	76
73054150	304	8431927089861	1 ud	76
73054200	304	8431927089878	1 ud	76
73054300	304	8431927089885	1 ud	76
73054400	304	8431927089892	1 ud	76
73054500	304	8431927089908	1 ud	76
73054600	304	8431927089915	1 ud	76
73055100	304	8431927089922	1 ud	77
73055150	304	8431927089939	1 ud	77
73055200	304	8431927089946	1 ud	77
73055300	304	8431927089953	1 ud	77
73055400	304	8431927089960	1 ud	77
73055500	304	8431927089977	1 ud	77
73055600	304	8431927089984	1 ud	77
73056100	304	8431927089991	1 ud	78
73056150	304	8431927090003	1 ud	78
73056200	304	8431927090010	1 ud	78
73056300	304	8431927090027	1 ud	78
73056400	304	8431927090034	1 ud	78
73056500	304	8431927090041	1 ud	78
73056600	304	8431927090058	1 ud	78
7306				
73060100	316L	8431927090065	1 ud	72
73060150	316L	8431927090072	1 ud	72
73060200	316L	8431927090089	1 ud	72
73060300	316L	8431927090096	1 ud	72
73060400	316L	8431927090102	1 ud	72
73060500	316L	8431927090119	1 ud	72
73060600	316L	8431927090126	1 ud	72
73061060	316L	8431927016294	24 m	34, 66
73061100	316L	8431927016300	24 m	34, 66, 114
73061150	316L	8431927016317	12 m	34, 66, 114
73061200	316L	8431927016324	12 m	34, 66, 114
73061300	316L	8431927016331	6 m	34, 66, 114
73061400	316L	8431927016348	6 m	34, 66, 114
73061500	316L	8431927016355	6 m	34, 66, 114
73061600	316L	8431927016362	6 m	34, 66, 114
73062100	316L	8431927090133	1 ud	73
73062150	316L	8431927090140	1 ud	73
73062200	316L	8431927090157	1 ud	73
73062300	316L	8431927090164	1 ud	73
73062400	316L	8431927090171	1 ud	73
73062500	316L	8431927090188	1 ud	73
73062600	316L	8431927090195	1 ud	73
73063100	316L	8431927090201	1 ud	74
73063150	316L	8431927090218	1 ud	74
73063200	316L	8431927090225	1 ud	74
73063300	316L	8431927090232	1 ud	74
73063400	316L	8431927090249	1 ud	74
73063500	316L	8431927090256	1 ud	74
73063600	316L	8431927090263	1 ud	74
73064100	316L	8431927090270	1 ud	76
73064150	316L	8431927090287	1 ud	76
73064200	316L	8431927090294	1 ud	76
73064300	316L	8431927090300	1 ud	76
73064400	316L	8431927090317	1 ud	76
73064500	316L	8431927090324	1 ud	76
73064600	316L	8431927090331	1 ud	76
73065100	316L	8431927090348	1 ud	77

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7306				
73065150	316L	8431927090355	1 ud	77
73065200	316L	8431927090362	1 ud	77
73065300	316L	8431927090379	1 ud	77
73065400	316L	8431927090386	1 ud	77
73065500	316L	8431927090393	1 ud	77
73065600	316L	8431927090409	1 ud	77
73066100	316L	8431927090416	1 ud	78
73066150	316L	8431927090423	1 ud	78
73066200	316L	8431927090430	1 ud	78
73066300	316L	8431927090447	1 ud	78
73066400	316L	8431927090454	1 ud	78
73066500	316L	8431927090461	1 ud	78
73066600	316L	8431927090478	1 ud	78
7512				
75121100	PG	8431927047465	24 m	59
75121150	PG	8431927047472	12 m	59
75121200	PG	8431927047489	12 m	59
75121300	PG	8431927047496	12 m	59
75122060	PG	8431927011862	24 m	59
75122100	PG	8431927047519	24 m	59
75122150	PG	8431927047526	12 m	59
75122200	PG	8431927047533	12 m	59
75122300	PG	8431927047540	6 m	59
75122400	PG	8431927047557	6 m	59
75122500	PG	8431927047564	6 m	59
75122600	PG	8431927047571	6 m	59
7513				
75131100	GC	8431927047588	24 m	59
75131150	GC	8431927047595	12 m	59
75131200	GC	8431927047601	12 m	59
75131300	GC	8431927047618	12 m	59
75132060	GC	8431927047632	24 m	59
75132100	GC	8431927047649	24 m	59
75132150	GC	8431927047656	12 m	59
75132200	GC	8431927047663	12 m	59
75132300	GC	8431927047670	6 m	59
75132400	GC	8431927047687	6 m	59
75132500	GC	8431927047694	6 m	59
75132600	GC	8431927047700	6 m	59
7522				
75224100	PG	8431927086938	12 m	58
75224200	PG	8431927036995	6 m	58
75224300	PG	8431927043696	6 m	58
75224400	PG	8431927037008	6 m	58
75224500	PG	8431927043702	6 m	58
75224600	PG	8431927045034	6 m	58
7523				
75234100	GC	8431927086945	12 m	58
75234200	GC	8431927043719	6 m	58
75234300	GC	8431927043726	6 m	58
75234400	GC	8431927043733	6 m	58
75234500	GC	8431927043740	6 m	58
75234600	GC	8431927045041	6 m	58
7542				
75424100	PG	8431927086952	12 m	59
75424200	PG	8431927043757	6 m	59
75424300	PG	8431927043764	6 m	59
75424400	PG	8431927043771	6 m	59
75424500	PG	8431927043788	6 m	59
75424600	PG	8431927045058	6 m	59
7543				
75434100	GC	8431927086969	12 m	59
75434200	GC	8431927043795	6 m	59
75434300	GC	8431927043801	6 m	59
75434400	GC	8431927043818	6 m	59
75434500	GC	8431927043825	6 m	59
75434600	GC	8431927045065	6 m	59
7582				
75821100	PG	8431927040541	24 m	58
75821150	PG	8431927040558	12 m	58

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7582				
75821200	PG	8431927040565	12 m	58
75821300	PG	8431927040572	12 m	58
75822060	PG	8431927093868	24 m	58
75822100	PG	8431927040619	24 m	58
75822150	PG	8431927040626	12 m	58
75822200	PG	8431927040633	12 m	58
75822300	PG	8431927040640	6 m	58
75822400	PG	8431927040657	6 m	58
75822500	PG	8431927040664	6 m	58
75822600	PG	8431927040671	6 m	58
7583				
75831100	GC	8431927047342	24 m	58
75831150	GC	8431927047359	12 m	58
75831200	GC	8431927047366	12 m	58
75831300	GC	8431927047373	12 m	58
75832060	GC	8431927093875	24 m	58
75832100	GC	8431927047397	24 m	58
75832150	GC	8431927047403	12 m	58
75832200	GC	8431927047410	12 m	58
75832300	GC	8431927047427	6 m	58
75832400	GC	8431927047434	6 m	58
75832500	GC	8431927047441	6 m	58
75832600	GC	8431927047458	6 m	58
7612				
76122100	PG	8431927046246	6 m	60
76122200	PG	8431927043023	6 m	60
76122300	PG	8431927043030	6 m	60
76122400	PG	8431927043047	6 m	60
76122500	PG	8431927043054	6 m	60
76122600	PG	8431927043061	6 m	60
76124100	PG	8431927086983	6 m	60
76124200	PG	8431927043122	6 m	60
76124300	PG	8431927043139	6 m	60
76124400	PG	8431927043146	6 m	60
76124500	PG	8431927043153	6 m	60
76124600	PG	8431927045096	6 m	60
7613				
76132100	GC	8431927046260	6 m	60
76132200	GC	8431927043160	6 m	60
76132300	GC	8431927043177	6 m	60
76132400	GC	8431927043184	6 m	60
76132500	GC	8431927043191	6 m	60
76132600	GC	8431927043207	6 m	60
76134100	GC	8431927085245	6 m	60
76134200	GC	8431927043269	6 m	60
76134300	GC	8431927043276	6 m	60
76134400	GC	8431927043283	6 m	60
76134500	GC	8431927043290	6 m	60
76134600	GC	8431927045102	6 m	60
7645				
76452100	304	8431927077363	24 m	58
76452150	304	8431927077370	12 m	58
76452200	304	8431927077387	12 m	58
76452300	304	8431927077394	6 m	58
76452400	304	8431927077400	6 m	58
76452500	304	8431927077417	6 m	58
76452600	304	8431927077424	6 m	58
7646				
76462100	316L	8431927077578	24 m	58
76462150	316L	8431927077585	12 m	58
76462200	316L	8431927077592	12 m	58
76462300	316L	8431927077608	6 m	58
76462400	316L	8431927077615	6 m	58
76462500	316L	8431927077622	6 m	58
76462600	316L	8431927077639	6 m	58
7655				
76552100	304	8431927077783	24 m	59
76552150	304	8431927077790	12 m	59
76552200	304	8431927077806	12 m	59
76552300	304	8431927077813	6 m	59
76552400	304	8431927077820	6 m	59

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7655				
76552500	304	8431927077837	6 m	59
76552600	304	8431927077844	6 m	59
7656				
76562100	316L	8431927077998	24 m	59
76562150	316L	8431927078001	12 m	59
76562200	316L	8431927078018	12 m	59
76562300	316L	8431927078025	6 m	59
76562400	316L	8431927078032	6 m	59
76562500	316L	8431927078049	6 m	59
76562600	316L	8431927078056	6 m	59
7660				
76603010	GC	8431927085627	3 m	88
76603015	GC	8431927085634	3 m	88
76603020	GC	8431927085641	3 m	88
76603030	GC	8431927085658	3 m	88
76603105	GC	8431927085788	3 m	88
76603110	GC	8431927078582	3 m	88
76603115	GC	8431927078599	3 m	88
76603120	GC	8431927078605	3 m	88
76603130	GC	8431927085665	3 m	88
76603140	GC	8431927085672	3 m	88
76603150	GC	8431927085689	3 m	88
76603160	GC	8431927085696	3 m	88
76603205	GC	8431927078612	3 m	88
76603210	GC	8431927078629	3 m	88
76603215	GC	8431927078636	3 m	88
76603220	GC	8431927078643	3 m	88
76603230	GC	8431927085702	3 m	88
76603240	GC	8431927085719	3 m	88
76603250	GC	8431927085726	3 m	88
76603260	GC	8431927085733	3 m	88
7662				
76623005	GC	8431927086785	2 m	88
7664				
76643110	GC	8431927078735	3 m	89
76643115	GC	8431927078742	3 m	89
76643120	GC	8431927078759	3 m	89
76643210	GC	8431927078766	3 m	89
76643215	GC	8431927078773	3 m	89
76643220	GC	8431927078780	3 m	89
76643230	GC	8431927085740	3 m	89
76643240	GC	8431927085757	3 m	89
76643250	GC	8431927085764	3 m	89
76643260	GC	8431927085771	3 m	89
7666				
76663110	GC	8431927078872	2 m	89
76663115	GC	8431927078889	2 m	89
76663120	GC	8431927078896	2 m	89
7667				
76673230	GC	8431927078971	2 m	89
76673240	GC	8431927078988	2 m	89
76673250	GC	8431927078995	2 m	89
76673260	GC	8431927079008	2 m	89
7680				
76801105	PG	8431927095800	16 m	100
76801108	PG	8431927101488	16 m	100
76801210	PG	8431927095817	16 m	100
76801215	PG	8431927095824	8 m	100
76801220	PG	8431927095831	8 m	100
76801325	PG	8431927095848	4 m	100
76801330	PG	8431927095855	4 m	100
76801340	PG	8431927095862	4 m	100
76801350	PG	8431927095879	4 m	100
76801360	PG	8431927095886	4 m	100
76805105	304	8431927095893	8 m	100
76805108	304	8431927101495	8 m	100
76805210	304	8431927095909	8 m	100
76805215	304	8431927095916	8 m	100
76805220	304	8431927095923	8 m	100
76805325	304	8431927095930	4 m	100

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7680				
76805330	304	8431927095947	4 m	100
76805340	304	8431927095954	4 m	100
76805350	304	8431927095961	4 m	100
76805360	304	8431927095978	4 m	100
8100				
81000019	PG	8431927107930	18 ud	44
81000020	BC	8431927107947	18 ud	44
81000021	GC	8431927107954	18 ud	44
81000022	BK8	8431927107961	18 ud	44
81000048	AL	8431927108937	3 m	145
81000049	AL	8431927108944	3 m	145
81000050	AL	8431927108951	3 m	145
81000051	AL	8431927108968	3 m	145
81000070	RAL 7035	8431927109958	20 ud	231
81000071	RAL 7035	8431927109965	20 ud	231
81000072	RAL 7035	8431927109972	20 ud	231
81000073	RAL 7035	8431927109989	10 ud	231
81000074	RAL 7035	8431927109996	10 ud	231
81000075	RAL 7035	8431927110008	5 ud	231
81000076	RAL 7035	8431927110015	5 ud	231
81000101	PG	8431927112477	1 ud	182
81000104	PG	8431927112552	1 ud	182
81000105	PG	8431927112484	1 m	182
81000106	PG	8431927112569	1 m	182
81000107	PG	8431927112491	3 m	182
81000109	PG	8431927112576	3 m	182
81000253	GC	8431927120700	10 ud	70, 116
81000254	GC	8431927120717	10 ud	70, 116
81000256	GC	8431927120731	10 ud	70, 116
81000312	AZ+	8431927123398	48 m	32, 68
8200				
82000057	AL	8431927106568	6 m	144
82000058	AL	8431927106575	6 m	144
82000059	AL	8431927106582	6 m	144
82000060	AL	8431927106599	6 m	144
82000061	AL	8431927107091	3 m	88
82000062	AL	8431927107107	3 m	88
82000063	AL	8431927107114	3 m	88
82000064	AL	8431927107121	3 m	88
82000065	AL	8431927107138	3 m	88
82000066	AL	8431927107145	3 m	88
82000067	AL	8431927107152	3 m	88
82000068	AL	8431927107169	3 m	88
82000069	AL	8431927107176	3 m	88
82000070	AL	8431927107183	3 m	88
82000072	AL	8431927107190	3 m	88
82002251	AL	8431927107404	1 ud	94
82002252	AL	8431927107411	1 ud	94
82002253	AL	8431927107428	1 ud	94
82002254	AL	8431927107435	1 ud	94
82002255	AL	8431927107442	1 ud	94
82002256	AL	8431927107459	1 ud	94
82002257	AL	8431927107466	1 ud	94
82002258	AL	8431927107473	1 ud	94
82002259	AL	8431927107480	1 ud	94
82002260	AL	8431927107497	1 ud	94
82002261	AL	8431927107503	1 ud	92
82002262	AL	8431927107510	1 ud	92
82002263	AL	8431927107527	1 ud	92
82002264	AL	8431927107534	1 ud	92
82002265	AL	8431927107541	1 ud	92
82002266	AL	8431927107558	1 ud	92
82002267	AL	8431927107565	1 ud	92
82002268	AL	8431927107572	1 ud	92
82002269	AL	8431927107589	1 ud	92
82002270	AL	8431927107596	1 ud	92
82002271	AL	8431927107602	1 ud	93
82002272	AL	8431927107619	1 ud	93
82002273	AL	8431927107626	1 ud	93
82002274	AL	8431927107633	1 ud	93
82002275	AL	8431927107640	1 ud	93
82002276	AL	8431927107657	1 ud	93
82002277	AL	8431927107664	1 ud	93
82002278	AL	8431927107671	1 ud	93
82002279	AL	8431927107688	1 ud	93

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8200				
82002280	AL	8431927107695	1 ud	93
82002281	AL	8431927107701	1 ud	94
82002282	AL	8431927107718	1 ud	94
82002283	AL	8431927107725	1 ud	94
82002284	AL	8431927107732	1 ud	94
82002285	AL	8431927107749	1 ud	94
82002286	AL	8431927107756	1 ud	94
82002287	AL	8431927107763	1 ud	94
82002288	AL	8431927107770	1 ud	94
82002289	AL	8431927107787	1 ud	90
82002290	AL	8431927107794	10 ud	90
82002291	304	8431927107800	4 ud	91
82002292	304	8431927107817	4 ud	91
82002293	304	8431927107824	4 ud	91
82002294	AL	8431927107831	3 m	91
82002295	AL	8431927107848	3 m	91
82002296	AL	8431927107855	3 m	91
82002297	AL	8431927107862	3 m	91
82002298	AL	8431927107879	3 m	91
82002299	AL	8431927106605	1 ud	148
82002300	AL	8431927106612	1 ud	148
82002301	AL	8431927106629	1 ud	148
82002302	AL	8431927106636	1 ud	148
82002303	AL	8431927106643	1 ud	148
82002304	AL	8431927106650	1 ud	148
82002305	AL	8431927106667	1 ud	148
82002306	AL	8431927106674	1 ud	148
82002307	AL	8431927106681	1 ud	148
82002308	AL	8431927106698	1 ud	148
82002309	AL	8431927106704	1 ud	148
82002310	AL	8431927106711	1 ud	148
82002311	AL	8431927106728	1 ud	147
82002312	AL	8431927106735	1 ud	147
82002313	AL	8431927106742	1 ud	147
82002314	AL	8431927106759	1 ud	147
82002315	AL	8431927106766	1 ud	147
82002316	AL	8431927106773	1 ud	147
82002317	AL	8431927106780	1 ud	147
82002318	AL	8431927106797	1 ud	147
82002319	AL	8431927106803	1 ud	147
82002320	AL	8431927106810	1 ud	147
82002321	AL	8431927106827	1 ud	147
82002322	AL	8431927106834	1 ud	147
82002323	AL	8431927106841	1 ud	146
82002324	AL	8431927106858	1 ud	146
82002325	AL	8431927106865	1 ud	146
82002326	AL	8431927106872	1 ud	146
82002327	AL	8431927106889	1 ud	146
82002328	AL	8431927106896	1 ud	146
82002329	AL	8431927106902	1 ud	146
82002330	AL	8431927106919	1 ud	146
82002331	AL	8431927106926	1 ud	146
82002332	AL	8431927106933	1 ud	146
82002333	AL	8431927106940	1 ud	146
82002334	AL	8431927106957	1 ud	146
82002335	AL	8431927106964	1 ud	149
82002336	AL	8431927106971	1 ud	149
82002337	AL	8431927106988	1 ud	149
82002338	AL	8431927106995	1 ud	149
82002339	AL	8431927107008	1 ud	149
82002340	AL	8431927107015	1 ud	149
82002341	AL	8431927107022	1 ud	149
82002342	AL	8431927107039	1 ud	149
82002343	AL	8431927107046	1 ud	149
82002344	AL	8431927107053	1 ud	149
82002345	AL	8431927107060	4 ud	145
82002346	AL	8431927107077	1 ud	145
82002347	AL	8431927107084	1 ud	145
82002348	AL	8431927107206	1 ud	95
82002349	AL	8431927107213	1 ud	95
82002350	AL	8431927107220	1 ud	95
82002351	AL	8431927107237	1 ud	95
82002352	AL	8431927107244	1 ud	95
82002353	AL	8431927107251	1 ud	95
82002354	AL	8431927107268	1 ud	95
82002355	AL	8431927107275	1 ud	95

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8200				
82002356	AL	8431927107282	1 ud	95
82002357	AL	8431927107299	1 ud	95
82002358	AL	8431927107305	1 ud	96
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82003036	GC	8431927114105	1 ud	167
82003037	GC	8431927114112	1 ud	167
82003038	GC	8431927114129	1 ud	167
82003039	GC	8431927114136	1 ud	167
82003040	GC	8431927114143	1 ud	167
82003041	GC	8431927114150	1 ud	167
82003042	GC	8431927114167	1 ud	167
82003043	GC	8431927114174	1 ud	167
82003044	GC	8431927114181	1 ud	167
82003045	GC	8431927114198	1 ud	167
82003046	GC	8431927114204	1 ud	167
82003047	GC	8431927114211	1 ud	167
82003048	GC	8431927114228	1 ud	167
82003049	GC	8431927114235	1 ud	167
82003050	GC	8431927114242	1 ud	167
82003051	GC	8431927114259	1 ud	167
82003052	GC	8431927114266	1 ud	167
82003053	GC	8431927114273	1 ud	167
82003054	GC	8431927114280	1 ud	167
82003055	GC	8431927114297	1 ud	167
82003056	GC	8431927114303	1 ud	167
82003057	GC	8431927114310	1 ud	167
82003058	GC	8431927114327	1 ud	167
82003059	GC	8431927114334	1 ud	167
82003060	GC	8431927114341	1 ud	167
82003061	GC	8431927114358	1 ud	167
82003062	GC	8431927114365	1 ud	167
82003063	GC	8431927114372	1 ud	167
82003064	GC	8431927114389	1 ud	167
82003065	GC	8431927114396	1 ud	167
82003066	GC	8431927114402	1 ud	167
82003067	GC	8431927114419	1 ud	167
82003068	GC	8431927114426	1 ud	167
82003069	GC	8431927114433	1 ud	167
82003070	GC	8431927114440	1 ud	167
82003071	GC	8431927114457	1 ud	167
82003072	GC	8431927114464	1 ud	167
82003073	GC	8431927114471	1 ud	167
82003074	GC	8431927114488	1 ud	167
82003075	GC	8431927114495	1 ud	167
82003076	GC	8431927114501	1 ud	167
82003077	GC	8431927114518	1 ud	167
82003078	GC	8431927114525	1 ud	167

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8200				
82003079	GC	8431927114532	1 ud	167
82003080	GC	8431927114549	1 ud	167
82003081	GC	8431927114556	1 ud	167
82003082	GC	8431927114563	1 ud	167
82003083	GC	8431927114570	1 ud	167
82003084	GC	8431927114587	1 ud	167
82003085	GC	8431927114594	1 ud	167
82003086	GC	8431927114600	1 ud	168
82003087	GC	8431927114617	1 ud	168
82003088	GC	8431927114624	1 ud	168
82003089	GC	8431927114631	1 ud	168
82003090	GC	8431927114648	1 ud	168
82003091	GC	8431927114655	1 ud	168
82003092	GC	8431927114662	1 ud	168
82003093	GC	8431927114679	1 ud	168
82003094	GC	8431927114686	1 ud	168
82003095	GC	8431927114693	1 ud	168
82003096	GC	8431927114709	1 ud	168
82003097	GC	8431927114716	1 ud	168
82003098	GC	8431927114723	1 ud	168
82003099	GC	8431927114730	1 ud	168
82003100	GC	8431927114747	1 ud	168
82003101	GC	8431927114754	1 ud	168
82003102	GC	8431927114761	1 ud	168
82003103	GC	8431927114778	1 ud	168
82003104	GC	8431927114785	1 ud	168
82003105	GC	8431927114792	1 ud	168
82003106	GC	8431927114808	1 ud	168
82003107	GC	8431927114815	1 ud	168
82003108	GC	8431927114822	1 ud	168
82003109	GC	8431927114839	1 ud	168
82003110	GC	8431927114846	1 ud	168
82003111	GC	8431927114853	1 ud	168
82003112	GC	8431927114860	1 ud	168
82003113	GC	8431927114877	1 ud	168
82003114	GC	8431927114884	1 ud	168
82003115	GC	8431927114891	1 ud	168
82003116	GC	8431927112088	2 m	154
82003117	GC	8431927112095	2 m	154
82003118	GC	8431927112101	2 m	154
82003119	GC	8431927112118	2 m	154
82003120	GC	8431927112125	2 m	154
82003121	GC	8431927112132	2 m	154
82003122	316L	8431927112149	2 m	154
82003123	316L	8431927112156	2 m	154
82003124	316L	8431927112163	2 m	154
82003125	316L	8431927112170	2 m	154
82003126	316L	8431927112187	2 m	154
82003127	316L	8431927112194	2 m	154
82003128	GC	8431927112323	10 ud	155
82003129	316L	8431927112330	10 ud	155
82003130	GC	8431927112347	10 ud	155
82003131	316L	8431927112354	10 ud	155
82003132	GC	8431927112200	1 ud	155
82003133	GC	8431927112217	1 ud	155
82003134	GC	8431927112224	1 ud	155
82003135	GC	8431927112231	1 ud	155
82003136	GC	8431927112248	1 ud	155
82003137	GC	8431927112255	1 ud	155
82003138	316L	8431927112262	1 ud	155
82003139	316L	8431927112279	1 ud	155
82003140	316L	8431927112286	1 ud	155
82003141	316L	8431927112293	1 ud	155
82003142	316L	8431927112309	1 ud	155
82003143	316L	8431927112316	1 ud	155
82003152	PG	8431927112378	2 ud	182
82003154	PG	8431927112385	2 ud	182
82003155	PG	8431927112392	2 ud	182
82003156	PG	8431927112408	2 ud	182
82003157	PG	8431927112415	2 ud	182
82003158	GC	8431927112422	2 ud	182
82003160	GC	8431927112439	2 ud	182
82003161	GC	8431927112446	2 ud	182
82003162	GC	8431927112453	2 ud	182
82003163	GC	8431927112460	2 ud	182
82003164	GC	8431927112507	1 ud	182
82003165	GC	8431927112583	1 ud	182

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8200				
82003166	GC	8431927112514	1 m	182
82003167	GC	8431927112590	1 m	182
82003175	GC	8431927112545	2 ud	182
82003200	RAL 7035	8431927115331	5 ud	231
82003201	RAL 7035	8431927115348	5 ud	231
82003202	RAL 7035	8431927115355	5 ud	231
82003203	RAL 7035	8431927115362	5 ud	231
82003204	RAL 7035	8431927115379	3 ud	231
82003205	RAL 7035	8431927115386	3 ud	231
82003206	RAL 7035	8431927115393	2 ud	231
82003207	RAL 7035	8431927115409	2 ud	231
82003210	RAL 7035	8431927115263	5 ud	231
82003211	RAL 7035	8431927115270	5 ud	231
82003212	RAL 7035	8431927115287	5 ud	231
82003213	RAL 7035	8431927115294	3 ud	231
82003214	RAL 7035	8431927115300	3 ud	231
82003215	RAL 7035	8431927115317	2 ud	231
82003216	RAL 7035	8431927115324	2 ud	231
82003217	AL	8431927115041	3 m	88
82003218	AL	8431927115058	3 m	88
82003219	AL	8431927115065	3 m	88
82003241	CU	8431927115454	16 m	24
82003242	CU	8431927115461	16 m	24
82003243	CU	8431927115478	12 m	24
82003244	CU	8431927115485	8 m	24
82003245	CU	8431927115492	4 m	24
82003247	CU	8431927115508	4 m	24
82003255	CU	8431927115577	50 ud	30
82003258	CU	8431927115591	25 ud	28
82003261	CU	8431927115621	25 ud	26
82003262	CU	8431927115638	25 ud	44
82003264	CU	8431927115652	16 m	52
82003265	CU	8431927115669	16 m	52
82003266	CU	8431927115676	8 m	52
82003267	CU	8431927115683	4 m	52
82003268	CU	8431927115690	4 m	52
82003269	CU	8431927115706	25 ud	52
82003270	CU	8431927115713	5 ud	174
82003271	CU	8431927115720	5 ud	174
82003272	CU	8431927115737	5 ud	174
82003277	CU	8431927115782	4 ud	174
82003278	CU	8431927115799	4 ud	174
82003279	CU	8431927115805	4 ud	174
82003280	CU	8431927115812	4 ud	174
82003282	CU	8431927115829	4 ud	176
82003283	CU	8431927115836	4 ud	176
82003284	CU	8431927115843	4 ud	176
82003285	CU	8431927115850	4 ud	176
82003286	CU	8431927115867	4 ud	176
82003287	CU	8431927115874	4 ud	176
82003288	CU	8431927115881	4 ud	176
82003289	CU	8431927115898	10 ud	188
82003290	CU	8431927115904	10 ud	188
82003291	CU	8431927115911	10 ud	188
82003292	CU	8431927115928	10 ud	188
82003293	CU	8431927115935	10 ud	188
82003294	CU	8431927115942	10 ud	188
82003295	CU	8431927115959	10 ud	188
82003296	CU	8431927115966	50 ud	194
82003297	CU	8431927115973	100 ud	221
82003298	CU	8431927115980	100 ud	222
82003330	EZ	8431927118998	1 ud	40
82003332	GC	8431927119018	1 ud	40
82003333	AZ+	8431927118929	20 ud	34
82003450		8431927119681	4 ud	46
82003744	AZ+	8431927123404	24 m	58
82003745	AZ+	8431927123411	24 m	58
82003746	AZ+	8431927123428	12 m	58
82003747	AZ+	8431927123435	12 m	58
82003748	AZ+	8431927123442	6 m	58
82003749	AZ+	8431927123459	6 m	58
82003750	AZ+	8431927123466	6 m	58
82003751	AZ+	8431927123473	6 m	58
82003752	AZ+	8431927123480	24 m	59
82003753	AZ+	8431927123497	24 m	59
82003754	AZ+	8431927123503	12 m	59
82003755	AZ+	8431927123510	12 m	59

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8200				
82003756	AZ+	8431927123527	6 m	59
82003757	AZ+	8431927123534	6 m	59
82003758	AZ+	8431927123541	6 m	59
82003759	AZ+	8431927123558	6 m	59
82003760	AZ+	8431927123565	24 m	34
82003761	AZ+	8431927123572	24 m	34
82003762	AZ+	8431927123589	12 m	34
82003763	AZ+	8431927123596	12 m	34
82003764	AZ+	8431927123602	6 m	34
82003765	AZ+	8431927123619	6 m	34
82003766	AZ+	8431927123626	6 m	34
82003767	AZ+	8431927123633	6 m	34
82003768	PG	8431927123640	1 ud	178
82003769	PG	8431927123657	1 ud	178
82003770	PG	8431927123664	1 ud	178
82003771	PG	8431927123671	1 ud	178
82003772	PG	8431927123688	1 ud	178
82003773	PG	8431927123695	1 ud	178
82003774	PG	8431927123701	1 ud	178
82003775	AZ+	8431927123718	1 ud	178
82003776	AZ+	8431927123725	1 ud	178
82003777	AZ+	8431927123732	1 ud	178
82003778	AZ+	8431927123749	1 ud	178
82003779	AZ+	8431927123756	1 ud	178
82003780	AZ+	8431927123763	1 ud	178
82003781	AZ+	8431927123770	1 ud	178
9101				
91011030	RAL 9010	8431927012210	500 m	302
91012030	RAL 9005	8431927012227	500 m	302
9102				
91021060	RAL 9010	8431927012234	250 m	302
91022060	RAL 9005	8431927012241	250 m	302
9103				
91031080	RAL 9010	8431927012258	125 m	302
91032080	RAL 9005	8431927012265	125 m	302
9104				
91041109	RAL 9010	8431927012272	50 m	302
91042109	RAL 9005	8431927012289	50 m	302
9201				
92012100	PG	8431927055095	3 m	108
92012150	PG	8431927055101	3 m	108
92012200	PG	8431927055118	3 m	108
92012300	PG	8431927055125	3 m	108
92012400	PG	8431927055132	3 m	108
92012450	PG	8431927055149	3 m	108
92012500	PG	8431927055156	3 m	108
92012600	PG	8431927055163	3 m	108
92014100	PG	8431927055316	3 m	108
92014150	PG	8431927055323	3 m	108
92014200	PG	8431927055330	3 m	108
92014300	PG	8431927055347	3 m	108
92014400	PG	8431927055354	3 m	108
92014450	PG	8431927055361	3 m	108
92014500	PG	8431927055378	3 m	108
92014600	PG	8431927055385	3 m	108
92014750	PG	8431927055408	3 m	108
92014900	PG	8431927055422	3 m	108
92015100	PG	8431927055446	3 m	110
92015150	PG	8431927055453	3 m	110
92015200	PG	8431927055460	3 m	110
92015300	PG	8431927055477	3 m	110
92015400	PG	8431927055484	3 m	110
92015450	PG	8431927055491	3 m	110
92015500	PG	8431927055507	3 m	110
92015600	PG	8431927055514	3 m	110
92015750	PG	8431927055538	3 m	110
92015900	PG	8431927055552	3 m	110
92016100	PG	8431927104632	3 m	110
92016150	PG	8431927104649	3 m	110
92016200	PG	8431927104656	3 m	110
92016300	PG	8431927104663	3 m	110
92016400	PG	8431927104670	3 m	110

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9201				
92016450	PG	8431927104687	3 m	110
92016500	PG	8431927104694	3 m	110
92016600	PG	8431927104700	3 m	110
92016750	PG	8431927104724	3 m	110
92016900	PG	8431927104748	3 m	110
9203				
92032100	GC	8431927046543	3 m	108
92032150	GC	8431927050236	3 m	108
92032200	GC	8431927046550	3 m	108
92032300	GC	8431927046567	3 m	108
92032400	GC	8431927046574	3 m	108
92032450	GC	8431927050243	3 m	108
92032500	GC	8431927046581	3 m	108
92032600	GC	8431927046598	3 m	108
92034100	GC	8431927046741	3 m	108
92034150	GC	8431927050250	3 m	108
92034200	GC	8431927046758	3 m	108
92034300	GC	8431927046765	3 m	108
92034400	GC	8431927046772	3 m	108
92034450	GC	8431927050267	3 m	108
92034500	GC	8431927046789	3 m	108
92034600	GC	8431927046796	3 m	108
92034750	GC	8431927050274	3 m	108
92034900	GC	8431927046826	3 m	108
92035100	GC	8431927046840	3 m	110
92035150	GC	8431927050281	3 m	110
92035200	GC	8431927046857	3 m	110
92035300	GC	8431927046864	3 m	110
92035400	GC	8431927046871	3 m	110
92035450	GC	8431927050298	3 m	110
92035500	GC	8431927046888	3 m	110
92035600	GC	8431927046895	3 m	110
92035750	GC	8431927050304	3 m	110
92035900	GC	8431927046925	3 m	110
92036100	GC	8431927081032	3 m	110
92036150	GC	8431927081049	3 m	110
92036200	GC	8431927081056	3 m	110
92036300	GC	8431927081063	3 m	110
92036400	GC	8431927081070	3 m	110
92036450	GC	8431927081087	3 m	110
92036500	GC	8431927081094	3 m	110
92036600	GC	8431927081100	3 m	110
92036750	GC	8431927081124	3 m	110
92036900	GC	8431927081148	3 m	110
9205				
92052100	304	8431927069047	3 m	108
92052150	304	8431927069054	3 m	108
92052200	304	8431927069061	3 m	108
92052300	304	8431927069078	3 m	108
92052400	304	8431927069085	3 m	108
92052450	304	8431927069092	3 m	108
92052500	304	8431927069108	3 m	108
92052600	304	8431927069115	3 m	108
92054100	304	8431927069269	3 m	108
92054150	304	8431927069276	3 m	108
92054200	304	8431927069283	3 m	108
92054300	304	8431927069290	3 m	108
92054400	304	8431927069306	3 m	108
92054450	304	8431927069313	3 m	108
92054500	304	8431927069320	3 m	108
92054600	304	8431927069337	3 m	108
92054750	304	8431927069351	3 m	108
92054900	304	8431927069375	3 m	108
92055100	304	8431927069399	3 m	110
92055150	304	8431927069405	3 m	110
92055200	304	8431927069412	3 m	110
92055300	304	8431927069429	3 m	110
92055400	304	8431927069436	3 m	110
92055450	304	8431927069443	3 m	110
92055500	304	8431927069450	3 m	110
92055600	304	8431927069467	3 m	110
92055750	304	8431927069481	3 m	110
92055900	304	8431927069504	3 m	110

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9206				
92062100	316L	8431927055576	3 m	108
92062150	316L	8431927055583	3 m	108
92062200	316L	8431927055590	3 m	108
92062300	316L	8431927055606	3 m	108
92062400	316L	8431927055613	3 m	108
92062450	316L	8431927055620	3 m	108
92062500	316L	8431927055637	3 m	108
92062600	316L	8431927055644	3 m	108
92064100	316L	8431927055798	3 m	108
92064150	316L	8431927055804	3 m	108
92064200	316L	8431927055811	3 m	108
92064300	316L	8431927055828	3 m	108
92064400	316L	8431927055835	3 m	108
92064450	316L	8431927055842	3 m	108
92064500	316L	8431927055859	3 m	108
92064600	316L	8431927055866	3 m	108
92064750	316L	8431927055880	3 m	108
92064900	316L	8431927055903	3 m	108
92065100	316L	8431927055927	3 m	110
92065150	316L	8431927055934	3 m	110
92065200	316L	8431927055941	3 m	110
92065300	316L	8431927055958	3 m	110
92065400	316L	8431927055965	3 m	110
92065450	316L	8431927055972	3 m	110
92065500	316L	8431927055989	3 m	110
92065600	316L	8431927055996	3 m	110
92065750	316L	8431927056016	3 m	110
92065900	316L	8431927056030	3 m	110
9301				
93012100	PG	8431927060556	1 ud	120
93012150	PG	8431927060563	1 ud	120
93012200	PG	8431927060570	1 ud	120
93012300	PG	8431927060587	1 ud	120
93012400	PG	8431927060594	1 ud	120
93012450	PG	8431927060600	1 ud	120
93012500	PG	8431927060617	1 ud	120
93012600	PG	8431927060624	1 ud	120
93014100	PG	8431927060778	1 ud	120
93014150	PG	8431927060785	1 ud	120
93014200	PG	8431927060792	1 ud	120
93014300	PG	8431927060808	1 ud	120
93014400	PG	8431927060815	1 ud	120
93014450	PG	8431927060822	1 ud	120
93014500	PG	8431927060839	1 ud	120
93014600	PG	8431927060846	1 ud	120
93014750	PG	8431927060860	1 ud	120
93014900	PG	8431927060884	1 ud	120
93015100	PG	8431927060907	1 ud	120
93015150	PG	8431927060914	1 ud	120
93015200	PG	8431927060921	1 ud	120
93015300	PG	8431927060938	1 ud	120
93015400	PG	8431927060945	1 ud	120
93015450	PG	8431927060952	1 ud	120
93015500	PG	8431927060969	1 ud	120
93015600	PG	8431927060976	1 ud	120
93015750	PG	8431927060990	1 ud	120
93015900	PG	8431927061010	1 ud	120
93016100	PG	8431927104762	1 ud	120
93016150	PG	8431927104779	1 ud	120
93016200	PG	8431927104786	1 ud	120
93016300	PG	8431927104793	1 ud	120
93016400	PG	8431927104809	1 ud	120
93016450	PG	8431927104816	1 ud	120
93016500	PG	8431927104823	1 ud	120
93016600	PG	8431927104830	1 ud	120
93016750	PG	8431927104854	1 ud	120
93016900	PG	8431927104878	1 ud	120
9303				
93032100	GC	8431927047717	1 ud	120
93032150	GC	8431927050342	1 ud	120
93032200	GC	8431927047724	1 ud	120
93032300	GC	8431927047731	1 ud	120
93032400	GC	8431927047748	1 ud	120
93032450	GC	8431927050359	1 ud	120
93032500	GC	8431927047755	1 ud	120

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9303				
93032600	GC	8431927047762	1 ud	120
93034100	GC	8431927047915	1 ud	120
93034150	GC	8431927050366	1 ud	120
93034200	GC	8431927047922	1 ud	120
93034300	GC	8431927047939	1 ud	120
93034400	GC	8431927047946	1 ud	120
93034450	GC	8431927050373	1 ud	120
93034500	GC	8431927047953	1 ud	120
93034600	GC	8431927047960	1 ud	120
93034750	GC	8431927050380	1 ud	120
93034900	GC	8431927047991	1 ud	120
93035100	GC	8431927048011	1 ud	120
93035150	GC	8431927050397	1 ud	120
93035200	GC	8431927048028	1 ud	120
93035300	GC	8431927048035	1 ud	120
93035400	GC	8431927048042	1 ud	120
93035450	GC	8431927050403	1 ud	120
93035500	GC	8431927048059	1 ud	120
93035600	GC	8431927048066	1 ud	120
93035750	GC	8431927050410	1 ud	120
93035900	GC	8431927048097	1 ud	120
93036100	GC	8431927081421	1 ud	120
93036150	GC	8431927081438	1 ud	120
93036200	GC	8431927081445	1 ud	120
93036300	GC	8431927081452	1 ud	120
93036400	GC	8431927081469	1 ud	120
93036450	GC	8431927081476	1 ud	120
93036500	GC	8431927081483	1 ud	120
93036600	GC	8431927081490	1 ud	120
93036750	GC	8431927081513	1 ud	120
93036900	GC	8431927081537	1 ud	120
9305				
93052100	304	8431927070012	1 ud	120
93052150	304	8431927070029	1 ud	120
93052200	304	8431927070036	1 ud	120
93052300	304	8431927070043	1 ud	120
93052400	304	8431927070050	1 ud	120
93052450	304	8431927070067	1 ud	120
93052500	304	8431927070074	1 ud	120
93052600	304	8431927070081	1 ud	120
93054100	304	8431927070234	1 ud	120
93054150	304	8431927070241	1 ud	120
93054200	304	8431927070258	1 ud	120
93054300	304	8431927070265	1 ud	120
93054400	304	8431927070272	1 ud	120
93054450	304	8431927070289	1 ud	120
93054500	304	8431927070296	1 ud	120
93054600	304	8431927070302	1 ud	120
93054750	304	8431927070326	1 ud	120
93054900	304	8431927070340	1 ud	120
93055100	304	8431927070364	1 ud	120
93055150	304	8431927070371	1 ud	120
93055200	304	8431927070388	1 ud	120
93055300	304	8431927070395	1 ud	120
93055400	304	8431927070401	1 ud	120
93055450	304	8431927070418	1 ud	120
93055500	304	8431927070425	1 ud	120
93055600	304	8431927070432	1 ud	120
93055750	304	8431927070456	1 ud	120
93055900	304	8431927070470	1 ud	120
9306				
93062100	316L	8431927061034	1 ud	120
93062150	316L	8431927061041	1 ud	120
93062200	316L	8431927061058	1 ud	120
93062300	316L	8431927061065	1 ud	120
93062400	316L	8431927061072	1 ud	120
93062450	316L	8431927061089	1 ud	120
93062500	316L	8431927061096	1 ud	120
93062600	316L	8431927061102	1 ud	120
93064100	316L	8431927061256	1 ud	120
93064150	316L	8431927061263	1 ud	120
93064200	316L	8431927061270	1 ud	120
93064300	316L	8431927061287	1 ud	120
93064400	316L	8431927061294	1 ud	120
93064450	316L	8431927061300	1 ud	120

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Ref.	Ⓜ	Cod EAN	u	🕮
9306				
93064500	316L	8431927061317	1 ud	120
93064600	316L	8431927061324	1 ud	120
93064750	316L	8431927061348	1 ud	120
93064900	316L	8431927061362	1 ud	120
93065100	316L	8431927061386	1 ud	120
93065150	316L	8431927061393	1 ud	120
93065200	316L	8431927061409	1 ud	120
93065300	316L	8431927061416	1 ud	120
93065400	316L	8431927061423	1 ud	120
93065450	316L	8431927061430	1 ud	120
93065500	316L	8431927061447	1 ud	120
93065600	316L	8431927061454	1 ud	120
93065750	316L	8431927061478	1 ud	120
93065900	316L	8431927061492	1 ud	120
9311				
93112100	PG	8431927061515	1 ud	124
93112150	PG	8431927061522	1 ud	124
93112200	PG	8431927061539	1 ud	124
93112300	PG	8431927061546	1 ud	124
93112400	PG	8431927061553	1 ud	124
93112450	PG	8431927061560	1 ud	124
93112500	PG	8431927061577	1 ud	124
93112600	PG	8431927061584	1 ud	124
93114100	PG	8431927061737	1 ud	124
93114150	PG	8431927061744	1 ud	124
93114200	PG	8431927061751	1 ud	124
93114300	PG	8431927061768	1 ud	124
93114400	PG	8431927061775	1 ud	124
93114450	PG	8431927061782	1 ud	124
93114500	PG	8431927061799	1 ud	124
93114600	PG	8431927061805	1 ud	124
93114750	PG	8431927061829	1 ud	124
93114900	PG	8431927061843	1 ud	124
93115100	PG	8431927061867	1 ud	124
93115150	PG	8431927061874	1 ud	124
93115200	PG	8431927061881	1 ud	124
93115300	PG	8431927061898	1 ud	124
93115400	PG	8431927061904	1 ud	124
93115450	PG	8431927061911	1 ud	124
93115500	PG	8431927061928	1 ud	124
93115600	PG	8431927061935	1 ud	124
93115750	PG	8431927061959	1 ud	124
93115900	PG	8431927061973	1 ud	124
93116100	PG	8431927104892	1 ud	124
93116150	PG	8431927104908	1 ud	124
93116200	PG	8431927104915	1 ud	124
93116300	PG	8431927104922	1 ud	124
93116400	PG	8431927104939	1 ud	124
93116450	PG	8431927104946	1 ud	124
93116500	PG	8431927104953	1 ud	124
93116600	PG	8431927104960	1 ud	124
93116750	PG	8431927104984	1 ud	124
93116900	PG	8431927105004	1 ud	124
9313				
93132100	GC	8431927048110	1 ud	124
93132150	GC	8431927050427	1 ud	124
93132200	GC	8431927048127	1 ud	124
93132300	GC	8431927048134	1 ud	124
93132400	GC	8431927048141	1 ud	124
93132450	GC	8431927050434	1 ud	124
93132500	GC	8431927048158	1 ud	124
93132600	GC	8431927048165	1 ud	124
93134100	GC	8431927048318	1 ud	124
93134150	GC	8431927050441	1 ud	124
93134200	GC	8431927048325	1 ud	124
93134300	GC	8431927048332	1 ud	124
93134400	GC	8431927048349	1 ud	124
93134450	GC	8431927050458	1 ud	124
93134500	GC	8431927048356	1 ud	124
93134600	GC	8431927048363	1 ud	124
93134750	GC	8431927050465	1 ud	124
93134900	GC	8431927048394	1 ud	124
93135100	GC	8431927048417	1 ud	124
93135150	GC	8431927050472	1 ud	124
93135200	GC	8431927048424	1 ud	124

Ref.	Ⓜ	Cod EAN	u	🕮
9313				
93135300	GC	8431927048431	1 ud	124
93135400	GC	8431927048448	1 ud	124
93135450	GC	8431927050489	1 ud	124
93135500	GC	8431927048455	1 ud	124
93135600	GC	8431927048462	1 ud	124
93135750	GC	8431927050496	1 ud	124
93135900	GC	8431927048493	1 ud	124
93136100	GC	8431927081551	1 ud	124
93136150	GC	8431927081568	1 ud	124
93136200	GC	8431927081575	1 ud	124
93136300	GC	8431927081582	1 ud	124
93136400	GC	8431927081599	1 ud	124
93136450	GC	8431927081605	1 ud	124
93136500	GC	8431927081612	1 ud	124
93136600	GC	8431927081629	1 ud	124
93136750	GC	8431927081643	1 ud	124
93136900	GC	8431927081667	1 ud	124
9315				
93152100	304	8431927073273	1 ud	124
93152150	304	8431927073280	1 ud	124
93152200	304	8431927073297	1 ud	124
93152300	304	8431927073303	1 ud	124
93152400	304	8431927073310	1 ud	124
93152450	304	8431927073327	1 ud	124
93152500	304	8431927073334	1 ud	124
93152600	304	8431927073341	1 ud	124
93154100	304	8431927073495	1 ud	124
93154150	304	8431927073501	1 ud	124
93154200	304	8431927073518	1 ud	124
93154300	304	8431927073525	1 ud	124
93154400	304	8431927073532	1 ud	124
93154450	304	8431927073549	1 ud	124
93154500	304	8431927073556	1 ud	124
93154600	304	8431927073563	1 ud	124
93154750	304	8431927073587	1 ud	124
93154900	304	8431927073600	1 ud	124
93155100	304	8431927073624	1 ud	124
93155150	304	8431927073631	1 ud	124
93155200	304	8431927073648	1 ud	124
93155300	304	8431927073655	1 ud	124
93155400	304	8431927073662	1 ud	124
93155450	304	8431927073679	1 ud	124
93155500	304	8431927073686	1 ud	124
93155600	304	8431927073693	1 ud	124
93155750	304	8431927073716	1 ud	124
93155900	304	8431927073730	1 ud	124
9316				
93162100	316L	8431927061997	1 ud	124
93162150	316L	8431927062000	1 ud	124
93162200	316L	8431927062017	1 ud	124
93162300	316L	8431927062024	1 ud	124
93162400	316L	8431927062031	1 ud	124
93162450	316L	8431927062048	1 ud	124
93162500	316L	8431927062055	1 ud	124
93162600	316L	8431927062062	1 ud	124
93164100	316L	8431927062215	1 ud	124
93164150	316L	8431927062222	1 ud	124
93164200	316L	8431927062239	1 ud	124
93164300	316L	8431927062246	1 ud	124
93164400	316L	8431927062253	1 ud	124
93164450	316L	8431927062260	1 ud	124
93164500	316L	8431927062277	1 ud	124
93164600	316L	8431927062284	1 ud	124
93164750	316L	8431927062307	1 ud	124
93164900	316L	8431927062321	1 ud	124
93165100	316L	8431927062345	1 ud	124
93165150	316L	8431927062352	1 ud	124
93165200	316L	8431927062369	1 ud	124
93165300	316L	8431927062376	1 ud	124
93165400	316L	8431927062383	1 ud	124
93165450	316L	8431927062390	1 ud	124
93165500	316L	8431927062406	1 ud	124
93165600	316L	8431927062413	1 ud	124
93165750	316L	8431927062437	1 ud	124
93165900	316L	8431927062451	1 ud	124

Ref.		Cod EAN	u	
9321				
93212100	PG	8431927062475	1 ud	126
93212150	PG	8431927062482	1 ud	126
93212200	PG	8431927062499	1 ud	126
93212300	PG	8431927062505	1 ud	126
93212400	PG	8431927062512	1 ud	126
93212450	PG	8431927062529	1 ud	126
93212500	PG	8431927062536	1 ud	126
93212600	PG	8431927062543	1 ud	126
93214100	PG	8431927062697	1 ud	126
93214150	PG	8431927062703	1 ud	126
93214200	PG	8431927062710	1 ud	126
93214300	PG	8431927062727	1 ud	126
93214400	PG	8431927062734	1 ud	126
93214450	PG	8431927062741	1 ud	126
93214500	PG	8431927062758	1 ud	126
93214600	PG	8431927062765	1 ud	126
93214750	PG	8431927062789	1 ud	126
93214900	PG	8431927062802	1 ud	126
93215100	PG	8431927062826	1 ud	126
93215150	PG	8431927062833	1 ud	126
93215200	PG	8431927062840	1 ud	126
93215300	PG	8431927062857	1 ud	126
93215400	PG	8431927062864	1 ud	126
93215450	PG	8431927062871	1 ud	126
93215500	PG	8431927062888	1 ud	126
93215600	PG	8431927062895	1 ud	126
93215750	PG	8431927062918	1 ud	126
93215900	PG	8431927062932	1 ud	126
93216100	PG	8431927105028	1 ud	126
93216150	PG	8431927105035	1 ud	126
93216200	PG	8431927105042	1 ud	126
93216300	PG	8431927105059	1 ud	126
93216400	PG	8431927105066	1 ud	126
93216450	PG	8431927105073	1 ud	126
93216500	PG	8431927105080	1 ud	126
93216600	PG	8431927105097	1 ud	126
93216750	PG	8431927105110	1 ud	126
93216900	PG	8431927105134	1 ud	126
9323				
93232100	GC	8431927048516	1 ud	126
93232150	GC	8431927050502	1 ud	126
93232200	GC	8431927048523	1 ud	126
93232300	GC	8431927048530	1 ud	126
93232400	GC	8431927048547	1 ud	126
93232450	GC	8431927050519	1 ud	126
93232500	GC	8431927048554	1 ud	126
93232600	GC	8431927048561	1 ud	126
93234100	GC	8431927048714	1 ud	126
93234150	GC	8431927050526	1 ud	126
93234200	GC	8431927048721	1 ud	126
93234300	GC	8431927048738	1 ud	126
93234400	GC	8431927048745	1 ud	126
93234450	GC	8431927050533	1 ud	126
93234500	GC	8431927048752	1 ud	126
93234600	GC	8431927048769	1 ud	126
93234750	GC	8431927050540	1 ud	126
93234900	GC	8431927048790	1 ud	126
93235100	GC	8431927048813	1 ud	126
93235150	GC	8431927050557	1 ud	126
93235200	GC	8431927048820	1 ud	126
93235300	GC	8431927048837	1 ud	126
93235400	GC	8431927048844	1 ud	126
93235450	GC	8431927050564	1 ud	126
93235500	GC	8431927048851	1 ud	126
93235600	GC	8431927048868	1 ud	126
93235750	GC	8431927050571	1 ud	126
93235900	GC	8431927048899	1 ud	126
93236100	GC	8431927081681	1 ud	126
93236150	GC	8431927081698	1 ud	126
93236200	GC	8431927081704	1 ud	126
93236300	GC	8431927081711	1 ud	126
93236400	GC	8431927081728	1 ud	126
93236450	GC	8431927081735	1 ud	126
93236500	GC	8431927081742	1 ud	126
93236600	GC	8431927081759	1 ud	126

Ref.		Cod EAN	u	
9323				
93236750	GC	8431927081773	1 ud	126
93236900	GC	8431927081797	1 ud	126
9325				
93252100	304	8431927074232	1 ud	126
93252150	304	8431927074249	1 ud	126
93252200	304	8431927074256	1 ud	126
93252300	304	8431927074263	1 ud	126
93252400	304	8431927074270	1 ud	126
93252450	304	8431927074287	1 ud	126
93252500	304	8431927074294	1 ud	126
93252600	304	8431927074300	1 ud	126
93254100	304	8431927074454	1 ud	126
93254150	304	8431927074461	1 ud	126
93254200	304	8431927074478	1 ud	126
93254300	304	8431927074485	1 ud	126
93254400	304	8431927074492	1 ud	126
93254450	304	8431927074508	1 ud	126
93254500	304	8431927074515	1 ud	126
93254600	304	8431927074522	1 ud	126
93254750	304	8431927074546	1 ud	126
93254900	304	8431927074560	1 ud	126
93255100	304	8431927074584	1 ud	126
93255150	304	8431927074591	1 ud	126
93255200	304	8431927074607	1 ud	126
93255300	304	8431927074614	1 ud	126
93255400	304	8431927074621	1 ud	126
93255450	304	8431927074638	1 ud	126
93255500	304	8431927074645	1 ud	126
93255600	304	8431927074652	1 ud	126
93255750	304	8431927074676	1 ud	126
93255900	304	8431927074690	1 ud	126
9326				
93262100	316L	8431927062956	1 ud	126
93262150	316L	8431927062963	1 ud	126
93262200	316L	8431927062970	1 ud	126
93262300	316L	8431927062987	1 ud	126
93262400	316L	8431927062994	1 ud	126
93262450	316L	8431927063007	1 ud	126
93262500	316L	8431927063014	1 ud	126
93262600	316L	8431927063021	1 ud	126
93264100	316L	8431927063175	1 ud	126
93264150	316L	8431927063182	1 ud	126
93264200	316L	8431927063199	1 ud	126
93264300	316L	8431927063205	1 ud	126
93264400	316L	8431927063212	1 ud	126
93264450	316L	8431927063229	1 ud	126
93264500	316L	8431927063236	1 ud	126
93264600	316L	8431927063243	1 ud	126
93264750	316L	8431927063267	1 ud	126
93264900	316L	8431927063281	1 ud	126
93265100	316L	8431927063304	1 ud	126
93265150	316L	8431927063311	1 ud	126
93265200	316L	8431927063328	1 ud	126
93265300	316L	8431927063335	1 ud	126
93265400	316L	8431927063342	1 ud	126
93265450	316L	8431927063359	1 ud	126
93265500	316L	8431927063366	1 ud	126
93265600	316L	8431927063373	1 ud	126
93265750	316L	8431927063397	1 ud	126
93265900	316L	8431927063410	1 ud	126
9343				
93432100	GC	8431927049933	1 ud	130
93432150	GC	8431927050588	1 ud	130
93432200	GC	8431927049940	1 ud	130
93432300	GC	8431927049957	1 ud	130
93432400	GC	8431927049964	1 ud	130
93432450	GC	8431927050595	1 ud	130
93432500	GC	8431927049971	1 ud	130
93432600	GC	8431927049988	1 ud	130
93434100	GC	8431927050052	1 ud	130
93434150	GC	8431927050601	1 ud	130
93434200	GC	8431927050069	1 ud	130
93434300	GC	8431927050076	1 ud	130

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Ref.		Cod EAN	u	
9343				
93434400	GC	8431927050083	1 ud	130
93434450	GC	8431927050618	1 ud	130
93434500	GC	8431927050090	1 ud	130
93434600	GC	8431927050106	1 ud	130
93435100	GC	8431927050113	1 ud	130
93435150	GC	8431927050625	1 ud	130
93435200	GC	8431927050120	1 ud	130
93435300	GC	8431927050137	1 ud	130
93435400	GC	8431927050144	1 ud	130
93435450	GC	8431927050632	1 ud	130
93435500	GC	8431927050151	1 ud	130
93435600	GC	8431927050168	1 ud	130
93436100	GC	8431927081810	1 ud	130
93436150	GC	8431927081827	1 ud	130
93436200	GC	8431927081834	1 ud	130
93436300	GC	8431927081841	1 ud	130
93436400	GC	8431927081858	1 ud	130
93436450	GC	8431927081865	1 ud	130
93436500	GC	8431927081872	1 ud	130
93436600	GC	8431927081889	1 ud	130
9345				
93454100	304	8431927082701	1 ud	130
93454150	304	8431927082718	1 ud	130
93454200	304	8431927082725	1 ud	130
93454300	304	8431927082732	1 ud	130
93454400	304	8431927082749	1 ud	130
93454450	304	8431927082756	1 ud	130
93454500	304	8431927082763	1 ud	130
93454600	304	8431927082770	1 ud	130
9346				
93464100	316L	8431927082787	1 ud	130
93464150	316L	8431927082794	1 ud	130
93464200	316L	8431927082800	1 ud	130
93464300	316L	8431927082817	1 ud	130
93464400	316L	8431927082824	1 ud	130
93464450	316L	8431927082831	1 ud	130
93464500	316L	8431927082848	1 ud	130
93464600	316L	8431927082855	1 ud	130
9351				
93512100	PG	8431927064042	1 ud	128
93512150	PG	8431927064059	1 ud	128
93512200	PG	8431927064066	1 ud	128
93512300	PG	8431927064073	1 ud	128
93512400	PG	8431927064080	1 ud	128
93512450	PG	8431927064097	1 ud	128
93512500	PG	8431927064103	1 ud	128
93512600	PG	8431927064110	1 ud	128
93514100	PG	8431927064264	1 ud	128
93514150	PG	8431927064271	1 ud	128
93514200	PG	8431927064288	1 ud	128
93514300	PG	8431927064295	1 ud	128
93514400	PG	8431927064301	1 ud	128
93514450	PG	8431927064318	1 ud	128
93514500	PG	8431927064325	1 ud	128
93514600	PG	8431927064332	1 ud	128
93514750	PG	8431927064356	1 ud	128
93514900	PG	8431927064370	1 ud	128
93515100	PG	8431927064394	1 ud	128
93515150	PG	8431927064400	1 ud	128
93515200	PG	8431927064417	1 ud	128
93515300	PG	8431927064424	1 ud	128
93515400	PG	8431927064431	1 ud	128
93515450	PG	8431927064448	1 ud	128
93515500	PG	8431927064455	1 ud	128
93515600	PG	8431927064462	1 ud	128
93515750	PG	8431927064486	1 ud	128
93515900	PG	8431927064509	1 ud	128
93516100	PG	8431927105530	1 ud	128
93516150	PG	8431927105547	1 ud	128
93516200	PG	8431927105554	1 ud	128
93516300	PG	8431927105561	1 ud	128
93516400	PG	8431927105578	1 ud	128
93516450	PG	8431927105585	1 ud	128
93516500	PG	8431927105592	1 ud	128

Ref.		Cod EAN	u	
9351				
93516600	PG	8431927105608	1 ud	128
93516750	PG	8431927105622	1 ud	128
93516900	PG	8431927105646	1 ud	128
9353				
93532100	GC	8431927051820	1 ud	128
93532150	GC	8431927051837	1 ud	128
93532200	GC	8431927051844	1 ud	128
93532300	GC	8431927051851	1 ud	128
93532400	GC	8431927051868	1 ud	128
93532450	GC	8431927051875	1 ud	128
93532500	GC	8431927051882	1 ud	128
93532600	GC	8431927051899	1 ud	128
93534100	GC	8431927052049	1 ud	128
93534150	GC	8431927052056	1 ud	128
93534200	GC	8431927052063	1 ud	128
93534300	GC	8431927052070	1 ud	128
93534400	GC	8431927052087	1 ud	128
93534450	GC	8431927052094	1 ud	128
93534500	GC	8431927052100	1 ud	128
93534600	GC	8431927052117	1 ud	128
93534750	GC	8431927052131	1 ud	128
93534900	GC	8431927052155	1 ud	128
93535100	GC	8431927052179	1 ud	128
93535150	GC	8431927052186	1 ud	128
93535200	GC	8431927052193	1 ud	128
93535300	GC	8431927052209	1 ud	128
93535400	GC	8431927052216	1 ud	128
93535450	GC	8431927052223	1 ud	128
93535500	GC	8431927052230	1 ud	128
93535600	GC	8431927052247	1 ud	128
93535750	GC	8431927052261	1 ud	128
93535900	GC	8431927052285	1 ud	128
93536100	GC	8431927081896	1 ud	128
93536150	GC	8431927081902	1 ud	128
93536200	GC	8431927081919	1 ud	128
93536300	GC	8431927081926	1 ud	128
93536400	GC	8431927081933	1 ud	128
93536450	GC	8431927081940	1 ud	128
93536500	GC	8431927081957	1 ud	128
93536600	GC	8431927081964	1 ud	128
93536750	GC	8431927081988	1 ud	128
93536900	GC	8431927082008	1 ud	128
9355				
93552100	304	8431927075208	1 ud	128
93552150	304	8431927075215	1 ud	128
93552200	304	8431927075222	1 ud	128
93552300	304	8431927075239	1 ud	128
93552400	304	8431927075246	1 ud	128
93552450	304	8431927075253	1 ud	128
93552500	304	8431927075260	1 ud	128
93552600	304	8431927075277	1 ud	128
93554100	304	8431927075420	1 ud	128
93554150	304	8431927075437	1 ud	128
93554200	304	8431927075444	1 ud	128
93554300	304	8431927075451	1 ud	128
93554400	304	8431927075468	1 ud	128
93554450	304	8431927075475	1 ud	128
93554500	304	8431927075482	1 ud	128
93554600	304	8431927075499	1 ud	128
93554750	304	8431927075512	1 ud	128
93554900	304	8431927075536	1 ud	128
93555100	304	8431927075550	1 ud	128
93555150	304	8431927075567	1 ud	128
93555200	304	8431927075574	1 ud	128
93555300	304	8431927075581	1 ud	128
93555400	304	8431927075598	1 ud	128
93555450	304	8431927075604	1 ud	128
93555500	304	8431927075611	1 ud	128
93555600	304	8431927075628	1 ud	128
93555750	304	8431927075642	1 ud	128
93555900	304	8431927075666	1 ud	128
9356				
93562100	316L	8431927064523	1 ud	128
93562150	316L	8431927064530	1 ud	128

Ref.	Ⓜ	Cod EAN	u	🕮
9356				
93562200	316L	8431927064547	1 ud	128
93562300	316L	8431927064554	1 ud	128
93562400	316L	8431927064561	1 ud	128
93562450	316L	8431927064578	1 ud	128
93562500	316L	8431927064585	1 ud	128
93562600	316L	8431927064592	1 ud	128
93564100	316L	8431927064745	1 ud	128
93564150	316L	8431927064752	1 ud	128
93564200	316L	8431927064769	1 ud	128
93564300	316L	8431927064776	1 ud	128
93564400	316L	8431927064783	1 ud	128
93564450	316L	8431927064790	1 ud	128
93564500	316L	8431927064806	1 ud	128
93564600	316L	8431927064813	1 ud	128
93564750	316L	8431927064837	1 ud	128
93564900	316L	8431927064851	1 ud	128
93565100	316L	8431927064875	1 ud	128
93565150	316L	8431927064882	1 ud	128
93565200	316L	8431927064899	1 ud	128
93565300	316L	8431927064905	1 ud	128
93565400	316L	8431927064912	1 ud	128
93565450	316L	8431927064929	1 ud	128
93565500	316L	8431927064936	1 ud	128
93565600	316L	8431927064943	1 ud	128
93565750	316L	8431927064967	1 ud	128
93565900	316L	8431927064981	1 ud	128
9361				
93612100	PG	8431927065001	1 ud	129
93612150	PG	8431927065018	1 ud	129
93612200	PG	8431927065025	1 ud	129
93612300	PG	8431927065032	1 ud	129
93612400	PG	8431927065049	1 ud	129
93612450	PG	8431927065056	1 ud	129
93612500	PG	8431927065063	1 ud	129
93612600	PG	8431927065070	1 ud	129
93614100	PG	8431927065223	1 ud	129
93614150	PG	8431927065230	1 ud	129
93614200	PG	8431927065247	1 ud	129
93614300	PG	8431927065254	1 ud	129
93614400	PG	8431927065261	1 ud	129
93614450	PG	8431927065278	1 ud	129
93614500	PG	8431927065285	1 ud	129
93614600	PG	8431927065292	1 ud	129
93614750	PG	8431927065315	1 ud	129
93614900	PG	8431927065339	1 ud	129
93615100	PG	8431927065353	1 ud	129
93615150	PG	8431927065360	1 ud	129
93615200	PG	8431927065377	1 ud	129
93615300	PG	8431927065384	1 ud	129
93615400	PG	8431927065391	1 ud	129
93615450	PG	8431927065407	1 ud	129
93615500	PG	8431927065414	1 ud	129
93615600	PG	8431927065421	1 ud	129
93615750	PG	8431927065445	1 ud	129
93615900	PG	8431927065469	1 ud	129
93616100	PG	8431927105660	1 ud	129
93616150	PG	8431927105677	1 ud	129
93616200	PG	8431927105684	1 ud	129
93616300	PG	8431927105691	1 ud	129
93616400	PG	8431927105707	1 ud	129
93616450	PG	8431927105714	1 ud	129
93616500	PG	8431927105721	1 ud	129
93616600	PG	8431927105738	1 ud	129
93616750	PG	8431927105752	1 ud	129
93616900	PG	8431927105776	1 ud	129
9363				
93632100	GC	8431927052308	1 ud	129
93632150	GC	8431927052315	1 ud	129
93632200	GC	8431927052322	1 ud	129
93632300	GC	8431927052339	1 ud	129
93632400	GC	8431927052346	1 ud	129
93632450	GC	8431927052353	1 ud	129
93632500	GC	8431927052360	1 ud	129
93632600	GC	8431927052377	1 ud	129
93634100	GC	8431927052520	1 ud	129

Ref.	Ⓜ	Cod EAN	u	🕮
9363				
93634150	GC	8431927052537	1 ud	129
93634200	GC	8431927052544	1 ud	129
93634300	GC	8431927052551	1 ud	129
93634400	GC	8431927052568	1 ud	129
93634450	GC	8431927052575	1 ud	129
93634500	GC	8431927052582	1 ud	129
93634600	GC	8431927052599	1 ud	129
93634750	GC	8431927052612	1 ud	129
93634900	GC	8431927052636	1 ud	129
93635100	GC	8431927052650	1 ud	129
93635150	GC	8431927052667	1 ud	129
93635200	GC	8431927052674	1 ud	129
93635300	GC	8431927052681	1 ud	129
93635400	GC	8431927052698	1 ud	129
93635450	GC	8431927052704	1 ud	129
93635500	GC	8431927052711	1 ud	129
93635600	GC	8431927052728	1 ud	129
93635750	GC	8431927052742	1 ud	129
93635900	GC	8431927052766	1 ud	129
93636100	GC	8431927082022	1 ud	129
93636150	GC	8431927082039	1 ud	129
93636200	GC	8431927082046	1 ud	129
93636300	GC	8431927082053	1 ud	129
93636400	GC	8431927082060	1 ud	129
93636450	GC	8431927082077	1 ud	129
93636500	GC	8431927082084	1 ud	129
93636600	GC	8431927082091	1 ud	129
93636750	GC	8431927082114	1 ud	129
93636900	GC	8431927082138	1 ud	129
9365				
93652100	304	8431927076168	1 ud	129
93652150	304	8431927076175	1 ud	129
93652200	304	8431927076182	1 ud	129
93652300	304	8431927076199	1 ud	129
93652400	304	8431927076205	1 ud	129
93652450	304	8431927076212	1 ud	129
93652500	304	8431927076229	1 ud	129
93652600	304	8431927076236	1 ud	129
93654100	304	8431927076380	1 ud	129
93654150	304	8431927076397	1 ud	129
93654200	304	8431927076403	1 ud	129
93654300	304	8431927076410	1 ud	129
93654400	304	8431927076427	1 ud	129
93654450	304	8431927076434	1 ud	129
93654500	304	8431927076441	1 ud	129
93654600	304	8431927076458	1 ud	129
93654750	304	8431927076472	1 ud	129
93654900	304	8431927076496	1 ud	129
93655100	304	8431927076519	1 ud	129
93655150	304	8431927076526	1 ud	129
93655200	304	8431927076533	1 ud	129
93655300	304	8431927076540	1 ud	129
93655400	304	8431927076557	1 ud	129
93655450	304	8431927076564	1 ud	129
93655500	304	8431927076571	1 ud	129
93655600	304	8431927076588	1 ud	129
93655750	304	8431927076601	1 ud	129
93655900	304	8431927076625	1 ud	129
9366				
93662100	316L	8431927065483	1 ud	129
93662150	316L	8431927065490	1 ud	129
93662200	316L	8431927065506	1 ud	129
93662300	316L	8431927065513	1 ud	129
93662400	316L	8431927065520	1 ud	129
93662450	316L	8431927065537	1 ud	129
93662500	316L	8431927065544	1 ud	129
93662600	316L	8431927065551	1 ud	129
93664100	316L	8431927065704	1 ud	129
93664150	316L	8431927065711	1 ud	129
93664200	316L	8431927065728	1 ud	129
93664300	316L	8431927065735	1 ud	129
93664400	316L	8431927065742	1 ud	129
93664450	316L	8431927065759	1 ud	129
93664500	316L	8431927065766	1 ud	129
93664600	316L	8431927065773	1 ud	129

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Ref.	Ⓜ	Cod EAN	u	🕮
9366				
93664750	316L	8431927065797	1 ud	129
93664900	316L	8431927065810	1 ud	129
93665100	316L	8431927065834	1 ud	129
93665150	316L	8431927065841	1 ud	129
93665200	316L	8431927065858	1 ud	129
93665300	316L	8431927065865	1 ud	129
93665400	316L	8431927065872	1 ud	129
93665450	316L	8431927065889	1 ud	129
93665500	316L	8431927065896	1 ud	129
93665600	316L	8431927065902	1 ud	129
93665750	316L	8431927065926	1 ud	129
93665900	316L	8431927065940	1 ud	129
9371				
93712100	PG	8431927070494	1 ud	122
93712150	PG	8431927070500	1 ud	122
93712200	PG	8431927070517	1 ud	122
93712300	PG	8431927070524	1 ud	122
93712400	PG	8431927070531	1 ud	122
93712450	PG	8431927070548	1 ud	122
93712500	PG	8431927070555	1 ud	122
93712600	PG	8431927070562	1 ud	122
93714100	PG	8431927070715	1 ud	122
93714150	PG	8431927070722	1 ud	122
93714200	PG	8431927070739	1 ud	122
93714300	PG	8431927070746	1 ud	122
93714400	PG	8431927070753	1 ud	122
93714450	PG	8431927070760	1 ud	122
93714500	PG	8431927070777	1 ud	122
93714600	PG	8431927070784	1 ud	122
93714750	PG	8431927070807	1 ud	122
93714900	PG	8431927070821	1 ud	122
93715100	PG	8431927070845	1 ud	122
93715150	PG	8431927070852	1 ud	122
93715200	PG	8431927070869	1 ud	122
93715300	PG	8431927070876	1 ud	122
93715400	PG	8431927070883	1 ud	122
93715450	PG	8431927070890	1 ud	122
93715500	PG	8431927070906	1 ud	122
93715600	PG	8431927070913	1 ud	122
93715750	PG	8431927070937	1 ud	122
93715900	PG	8431927070951	1 ud	122
93716100	PG	8431927105790	1 ud	122
93716150	PG	8431927105806	1 ud	122
93716200	PG	8431927105813	1 ud	122
93716300	PG	8431927105820	1 ud	122
93716400	PG	8431927105837	1 ud	122
93716450	PG	8431927105844	1 ud	122
93716500	PG	8431927105851	1 ud	122
93716600	PG	8431927105868	1 ud	122
93716750	PG	8431927105882	1 ud	122
93716900	PG	8431927105905	1 ud	122
9373				
93732100	GC	8431927071453	1 ud	122
93732150	GC	8431927071460	1 ud	122
93732200	GC	8431927071477	1 ud	122
93732300	GC	8431927071484	1 ud	122
93732400	GC	8431927071491	1 ud	122
93732450	GC	8431927071507	1 ud	122
93732500	GC	8431927071514	1 ud	122
93732600	GC	8431927071521	1 ud	122
93734100	GC	8431927051721	1 ud	122
93734150	GC	8431927051738	1 ud	122
93734200	GC	8431927051745	1 ud	122
93734300	GC	8431927051752	1 ud	122
93734400	GC	8431927051769	1 ud	122
93734450	GC	8431927051776	1 ud	122
93734500	GC	8431927051783	1 ud	122
93734600	GC	8431927051790	1 ud	122
93734750	GC	8431927051806	1 ud	122
93734900	GC	8431927071682	1 ud	122
93735100	GC	8431927071705	1 ud	122
93735150	GC	8431927071712	1 ud	122
93735200	GC	8431927071729	1 ud	122
93735300	GC	8431927071736	1 ud	122
93735400	GC	8431927071743	1 ud	122

Ref.	Ⓜ	Cod EAN	u	🕮
9373				
93735450	GC	8431927071750	1 ud	122
93735500	GC	8431927071767	1 ud	122
93735600	GC	8431927071774	1 ud	122
93735750	GC	8431927071798	1 ud	122
93735900	GC	8431927071811	1 ud	122
93736100	GC	8431927082152	1 ud	122
93736150	GC	8431927082169	1 ud	122
93736200	GC	8431927082176	1 ud	122
93736300	GC	8431927082183	1 ud	122
93736400	GC	8431927082190	1 ud	122
93736450	GC	8431927082206	1 ud	122
93736500	GC	8431927082213	1 ud	122
93736600	GC	8431927082220	1 ud	122
93736750	GC	8431927082244	1 ud	122
93736900	GC	8431927082268	1 ud	122
9375				
93752100	304	8431927071835	1 ud	122
93752150	304	8431927071842	1 ud	122
93752200	304	8431927071859	1 ud	122
93752300	304	8431927071866	1 ud	122
93752400	304	8431927071873	1 ud	122
93752450	304	8431927071880	1 ud	122
93752500	304	8431927071897	1 ud	122
93752600	304	8431927071903	1 ud	122
93754100	304	8431927072054	1 ud	122
93754150	304	8431927072061	1 ud	122
93754200	304	8431927072078	1 ud	122
93754300	304	8431927072085	1 ud	122
93754400	304	8431927072092	1 ud	122
93754450	304	8431927072108	1 ud	122
93754500	304	8431927072115	1 ud	122
93754600	304	8431927072122	1 ud	122
93754750	304	8431927072146	1 ud	122
93754900	304	8431927072160	1 ud	122
93755100	304	8431927072184	1 ud	122
93755150	304	8431927072191	1 ud	122
93755200	304	8431927072207	1 ud	122
93755300	304	8431927072214	1 ud	122
93755400	304	8431927072221	1 ud	122
93755450	304	8431927072238	1 ud	122
93755500	304	8431927072245	1 ud	122
93755600	304	8431927072252	1 ud	122
93755750	304	8431927072276	1 ud	122
93755900	304	8431927072290	1 ud	122
93756100	304	8431927103178	1 ud	122
93756150	304	8431927103185	1 ud	122
93756200	304	8431927103192	1 ud	122
93756300	304	8431927103208	1 ud	122
93756400	304	8431927103215	1 ud	122
93756450	304	8431927103222	1 ud	122
93756500	304	8431927103239	1 ud	122
93756600	304	8431927103246	1 ud	122
93756750	304	8431927103260	1 ud	122
93756900	304	8431927103284	1 ud	122
9376				
93762100	316L	8431927072313	1 ud	122
93762150	316L	8431927072320	1 ud	122
93762200	316L	8431927072337	1 ud	122
93762300	316L	8431927072344	1 ud	122
93762400	316L	8431927072351	1 ud	122
93762450	316L	8431927072368	1 ud	122
93762500	316L	8431927072375	1 ud	122
93762600	316L	8431927072382	1 ud	122
93764100	316L	8431927072535	1 ud	122
93764150	316L	8431927072542	1 ud	122
93764200	316L	8431927072559	1 ud	122
93764300	316L	8431927072566	1 ud	122
93764400	316L	8431927072573	1 ud	122
93764450	316L	8431927072580	1 ud	122
93764500	316L	8431927072597	1 ud	122
93764600	316L	8431927072603	1 ud	122
93764750	316L	8431927072627	1 ud	122
93764900	316L	8431927072641	1 ud	122
93765100	316L	8431927072665	1 ud	122
93765150	316L	8431927072672	1 ud	122

Ref.	Ⓜ	Cod EAN	u	🕮
9376				
93765200	316L	8431927072689	1 ud	122
93765300	316L	8431927072696	1 ud	122
93765400	316L	8431927072702	1 ud	122
93765450	316L	8431927072719	1 ud	122
93765500	316L	8431927072726	1 ud	122
93765600	316L	8431927072733	1 ud	122
93765750	316L	8431927072757	1 ud	122
93765900	316L	8431927072771	1 ud	122
93766100	316L	8431927103307	1 ud	122
93766150	316L	8431927103314	1 ud	122
93766200	316L	8431927103321	1 ud	122
93766300	316L	8431927103338	1 ud	122
93766400	316L	8431927103345	1 ud	122
93766450	316L	8431927103352	1 ud	122
93766500	316L	8431927103369	1 ud	122
93766600	316L	8431927103376	1 ud	122
93766750	316L	8431927103390	1 ud	122
93766900	316L	8431927103413	1 ud	122
9391				
93910002	EZ	8431927076649	50 ud	60, 64, 112
93910003	EZ	8431927076656	20 ud	60, 64, 112
93910012	EZ	8431927076663	8 ud	112
93910013	EZ	8431927076670	8 ud	112
93910021	PG	8431927068118	50 ud	112
9393				
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93930003	GC	8431927048929	20 ud	60, 64, 112, 131
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93930005	GC	8431927082305	5 ud	116
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93930021	GC	8431927068125	50 ud	112
93930022	GC	8431927093653	10 ud	116
93930023	GC	8431927093660	10 ud	116
93930024	GC	8431927093677	10 ud	116
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93930110	GC	8431927048967	1 ud	118
93930115	GC	8431927048974	1 ud	118
93930120	GC	8431927048981	1 ud	118
93930125	GC	8431927048998	1 ud	118
93930132	GC	8431927049001	1 ud	118
93930140	GC	8431927049018	1 ud	118
93930145	GC	8431927049025	1 ud	118
93930150	GC	8431927049032	1 ud	118
93930160	GC	8431927049049	1 ud	118
93930170	GC	8431927049056	1 ud	118
93930180	GC	8431927049063	1 ud	118

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9393				
93930190	GC	8431927049070	1 ud	118
93930202	GC	8431927050175	1 ud	118
93930203	GC	8431927050182	1 ud	118
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94730200	GC	8431927077233	1 ud	122
94730300	GC	8431927087614	1 ud	122
94730400	GC	8431927077240	1 ud	122

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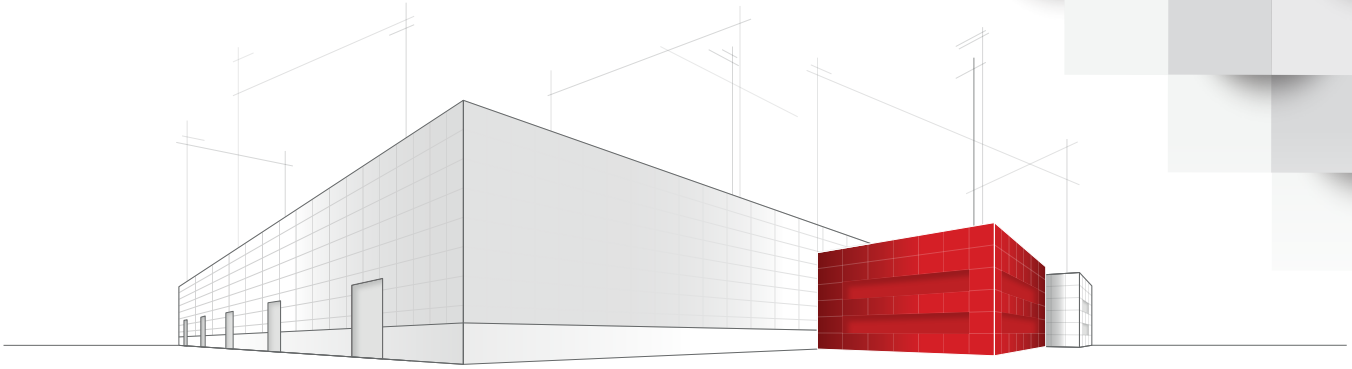
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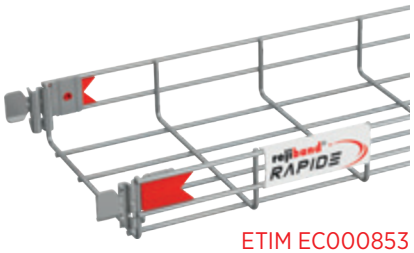
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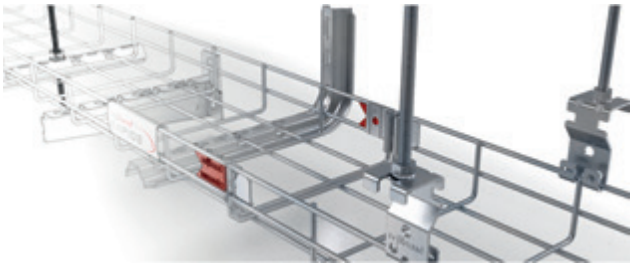
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