

Railing Passion



comenza

Railing Passion

Stainless Steel Railing Systems

VERSION - 07/2021



*Railing
Passion*

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Railing Passion

Railing Passion

[esp]

Porque nada ni nadie puede imprimirle más pasión a lo que hacemos que nosotros.

Railing Passion es mucho más que el lema de Comenza, es una filosofía de trabajo que inspira a todos los miembros de la empresa en su día a día y que nos compromete con nuestros clientes de cara a desarrollar sistemas y herrajes de barandillas de diseño exclusivo, seguros y fáciles de instalar.

MISIÓN

Diseñar y desarrollar sistemas y herrajes de barandillas que puedan ser instalados en cualquier parte del mundo con un equilibrio óptimo en relación diseño-calidad-precio.

VISIÓN

Ser un referente mundial en el sector de la arquitectura a través del desarrollo de sistemas y herrajes de barandillas de diseño exclusivo, seguros y fáciles de instalar.

[eng]

Because nobody can put more passion into their work than we do.

Railing Passion is much more than a motto at Comenza, it is our working philosophy that inspires all of us at the company during our daily activities. It reflects our commitment to our customers when it comes to developing railing systems and hardware using designs that are unique, safety-oriented, and easy to install.

OUR MISSION

To design and develop railing systems and hardware that can be installed anywhere in the world, with an optimal design-quality-price balance.

OUR VISION

To be a worldwide leader in the architecture sector by developing railing systems and hardware using designs that are unique, safety-oriented, and easy to install.

[fra]

Parce que rien, ni personne ne peut afficher une aussi grande passion que nous dans la fabrication de nos produits.

Railing Passion n'est pas qu'un slogan de Comenza, mais plutôt une philosophie de travail qui inspire l'ensemble de son personnel dans son activité quotidienne et qui nous engage envers nos clients à développer des systèmes et des ferrures pour garde-corps au design exclusif, surs et faciles à installer.

NOTRE MISSION

Concevoir et développer des systèmes et des ferrures pour garde-corps pouvant être installés partout dans le monde et offrant un rapport design-qualité-prix équilibré et optimal.

NOTRE VISION

Être un modèle à l'échelle mondiale dans le secteur de l'architecture en développant des systèmes et des ferrures pour garde-corps au design unique, surs et faciles à installer.



Passion for safety

Pasión por la seguridad

[esp]

Pasión por la seguridad es el compromiso que en Comenza adquirimos con nuestros clientes de cara a desarrollar y diseñar sistemas de barandillas que cumplan con los códigos de edificación de cada país en el que operamos y que garanticen una total seguridad a los usuarios finales.

Para ello contamos con laboratorio de ensayos propio que nos permite lanzar al mercado sistemas de barandillas previamente probados y testados que garantizan a todos nuestros clientes que las barandillas Comenza son la solución más segura y fiable del mercado.

Además, estamos en continua colaboración con las más prestigiosas empresas de certificación en todo el mundo (CSTB, Applus etc.) para garantizar, vía ensayos certificados, que nuestros sistemas y herrajes de barandillas cumplen con las normativas de cada país.

Passion for safety

[eng]

Passion for safety is the commitment that Comenza offers to its customers when developing and designing railing systems that follows the building codes of any country in which we operate, in order to guarantee full safety and security for the end users.

We comply with this commitment using our own testing laboratory, which allows us to bring pre-tested, proven railing systems to the market. By doing this we can ensure all of our customers that their Comenza railings represent the safest and most reliable solution available.

In addition, we are in constant collaboration with the most prestigious certification companies throughout the world (CSTB, Applus, etc.) to ensure, through certified testing, that our railing systems and hardware follow the building codes and regulations being applied in each country.

Passion pour la sécurité

[fra]

La passion pour la sécurité est l'engagement de Comenza auprès de ses clients en vue de développer et de concevoir des systèmes de garde-corps respectant toutes les réglementations en matière de construction de chaque pays où nous agissons et qui garantissent une sécurité totale aux utilisateurs finaux. Pour ce faire, nous disposons d'un laboratoire d'essais qui nous permet de lancer sur le marché des systèmes de garde-corps testés au préalable pour garantir à nos clients que les garde-corps Comenza sont la solution la plus sûre et la plus fiable du marché.

En outre, nous sommes en étroite collaboration avec les entreprises de certification les plus renommées au niveau mondial (CSTB, Applus etc.) pour garantir, par le biais d'essais certifiés, que nos systèmes et nos ferrures pour garde-corps sont conformes aux réglementations de chaque pays.



*Passion
for people*

Pasión por las personas

[esp]

La pasión por las personas es uno de los ejes centrales sobre los que se mueve la estrategia corporativa de Comenza. Es por ello que en nuestro afán de garantizar una experiencia excepcional a nuestros clientes contamos con un equipo de personas altamente cualificadas no sólo a nivel profesional sino también a nivel humano dispuestas a mantener este compromiso a toda costa.

Además, en nuestro empeño de acercar la empresa a todos nuestros clientes y ofrecerles un trato personalizado nuestro equipo de atención al cliente nacional e internacional está dispuesto y preparado para ayudarte y resolverte cualquier duda acerca de nuestros sistemas de barandillas en diferentes idiomas como español, inglés o francés.

Passion for people

[eng]

At Comenza, our passion for people is one of the fundamental principles around which our corporate strategy revolves. This is why we always go the extra mile to give our customers a remarkable experience, with a team of service-oriented individuals who are highly qualified not only in their professions, but also in the way they deal with people. We are always ready to comply with our commitments at any cost.

Our desire to maintain close relationships between our company and our customers and clients is also reflected in the personalized service offered by our national and international customer service teams. They are always ready and willing to assist you and answer any questions you may have regarding our railing systems in a variety of languages, such as Spanish, English and French.

Passion pour les personnes

[fra]

La passion pour les personnes est l'un des principaux piliers sur lequel repose la stratégie commerciale de Comenza. Pour garantir une expérience exceptionnelle à nos clients, nous avons une équipe de personnes hautement qualifiées non seulement au niveau professionnel mais aussi humain, soucieuse de maintenir coûte que coûte cet engagement.

Par ailleurs, pour offrir un service personnalisé et optimal à nos clients, notre équipe clientèle nationale et internationale est à votre entière disposition pour dissiper tous vos doutes sur nos systèmes de garde-corps. Cette assistance est offerte en plusieurs langues telles que l'espagnol, l'anglais ou le français.



*Passion
for design*

Pasión por el diseño

[esp]

En Comenza creemos firmemente que nuestra pasión por el diseño es una de las razones por las cuales los arquitectos e interioristas más relevantes del panorama internacional están especificando nuestros sistemas de barandillas en sus proyectos más exclusivos.

Desde proyectos hoteleros pasando por centros comerciales o viviendas unifamiliares el diseño exclusivo con el que cuentan todos los sistemas Comenza nos permite adaptarnos fácilmente a las tendencias de la arquitectura contemporánea.

Todo esto es posible gracias al equipo de diseñadores e ingenieros que componen el departamento de I+D+I de Comenza cuya filosofía de trabajo permite desarrollar soluciones innovadoras que posibilitan instalar fácilmente todos nuestros sistemas a la vez que dotarles de un diseño único y exclusivo.

Passion for design

[eng]

At Comenza we firmly believe that our passion for design is one of the reasons why some of the most notable architects and interior designers on the international scene are specifying our railing systems for their most prestigious projects.

From hotel projects to shopping centers to single-family homes, the exclusive designs used in all of our Comenza systems allow us to easily adapt to the latest trends in contemporary architecture.

All of this is possible thanks to our team of designers and engineers who make up Comenza's R&D department. Our team's working philosophy allows us to develop innovative solutions that make all of our railing systems and hardware easy to install while also featuring unique and exclusive designs.

Passion pour le dessin

[fra]

Chez Comenza, nous sommes convaincus que notre passion pour le design est l'une des raisons pour lesquelles les architectes et décorateurs d'intérieurs de renommée internationale font appel à nos systèmes de garde-corps pour leurs projets les plus exclusifs.

Le design exclusif utilisé dans les systèmes Comenza nous permet de nous adapter plus facilement aux tendances de l'architecture contemporaine à travers de nombreux projets (hôteliers, de centres commerciaux ou de maisons individuelles, entre autres).

Tout cela est possible grâce à l'équipe de designers et d'ingénieurs du département R&D&I de Comenza dont la philosophie de travail se centre sur le développement de solutions innovantes permettant l'installation facile de nos systèmes, en les dotant à la fois d'un design unique et exclusif.



Internacional

[esp]

Siguiendo la filosofía “piensa global actúa local” te ofrecemos sistemas de barandillas de alta calidad adaptados técnicamente a las exigencias de cada mercado con un diseño único, máxima funcionalidad y en las mejores condiciones logísticas y de suministro.

Gracias a los más de 2000 clientes que a lo largo de este tiempo confían y han confiado en nuestra marca, los sistemas de barandillas Comenza se instalan y distribuyen hoy día en más de 36 países de todo el mundo.

International

[eng]

Following the philosophy of “think globally, act locally”, we can offer you high-quality railing systems technically adapted to the demands of any market. Our systems feature unique designs, maximum functionality, and the best practices in logistics and supply.

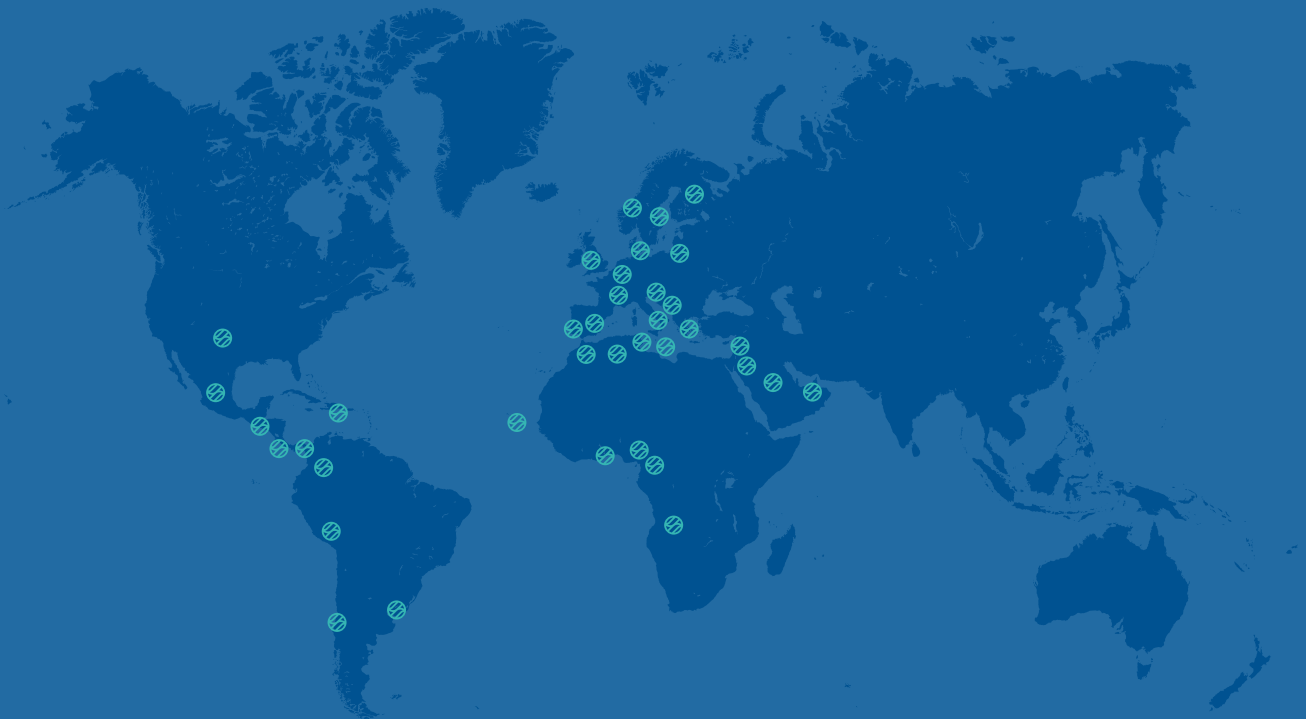
Thanks to the 2000+ customers who have trusted us and relied upon our brand, Comenza railing systems are now being distributed and installed in over 36 countries around the world.

International


[fra]

En réponse à la philosophie “pense globalement, agit localement”, nous vous offrons des systèmes de garde-corps de grande qualité adaptés techniquement aux exigences de chaque marché avec un design unique et une fonctionnalité maximum, et ce dans les meilleurs conditions logistiques et de livraison.

Jusqu'à présent, plus de 2000 clients ont accordé leur confiance à notre entreprise et à notre marque. Les systèmes de garde-corps Comenza sont installés et distribués dans plus de 36 pays à travers le monde.





















Ventas / Sales / Ventes

-  Algeria
-  Angola
-  Belgium
-  Cameroon
-  Cape Verde
-  Chile
-  Colombia
-  Costa Rica
-  Croatia
-  Denmark
-  Dominican Republic
-  Finland
-  France
-  Ghana
-  Greece
-  Guatemala
-  Italy
-  Jordan
-  Lebanon
-  Lithuania
-  Malta
-  Mexico
-  Morocco
-  Nigeria
-  Norway
-  Panama
-  Peru
-  Portugal
-  Saudi Arabia
-  Slovenia
-  Spain
-  Sweden
-  Tunisia
-  United Arab Emirates
-  United Kingdom
-  United States os America
-  Uruguay

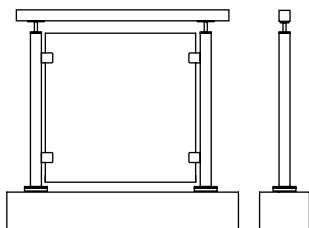
Glosario

Glosary

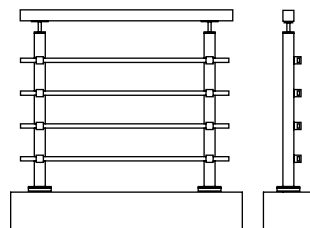
Glossaire

	Descripción	Description	Description
	Accesorio para soldar	Welding fittings	Accessoire pour souder
	Advertencia	Warning	Attention
	Atornillar	Screw	Visser
	Atornillar con llave allen	Screw with an allen key	Visser avec clé allen
	Bandeador	Tap wrench	Clé à douille hexagonale
	Centrador	Centering tool	Outil pour centré
	Instalación por golpe	Installation by hammer striking	Installation par coup
	Llave allen corta	Short Allen Key	Clé Allen à tête courte
	Llave de vaso hexagonal	Ratchet socket	Clé à six pans creux
	Llave gancho	Hook spanner	Clé à ergot
	Llave hexagonal de tubo	Tubular box spanner	Clé à douille
	Llave pitones	Pin wrench	Clé à pitons
	Pegamento	Glue	Colle
	Acabado barniz	Varnished finish	Finition vernie
	Acabado brillo	Polished finish	Finition Poli
	Acabado natural	Natural finish	Finition naturelle
	Acabado satinado	Satin finish	Finition brossé
	Piezas por caja	Pieces per box	Nombre de pièces par caisse
	Símbolo cuadrado	Square symbol	Symbole du carré
Ø	Diámetro	Diameter	Diamètre
ØC	Diámetro cable	Wire diameter	Diamètre du câble
D	Espaciado del vidrio	Spacing of the glass	Espacé du verre
E	Espesor del tubo	Tube thickness	Épaisseur du tube
E*	Espesor de referencia compatible	Compatible reference thickness	Épaisseur de référence compatible
G	Espesor del vidrio	Glass thickness	Épaisseur du verre
L/R	Izquierda / derecha	Left / right	Gauche / droite
LG	Largo	Length	Long
M	Métrica del tornillo	Dimension of the screw	Métrique de la vis
Ref	Referencia	Reference	Référence
RE	Regulable	Adjustable	Ajustable

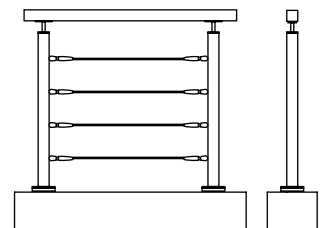
Square it



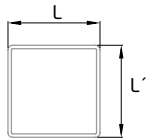
Sistema / System / Système
Square it: Glass



Sistema / System / Système
Square it: Tube



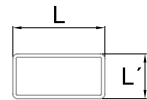
Sistema / System / Système
Square it: EasyCable



RP-1420 AISI-316

BA SATIN

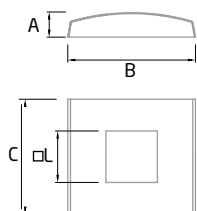
LG	L	L'	E*
6000	40	40	1,5
6000	20	20	1,5



RP-1420 AISI-316

BA SATIN

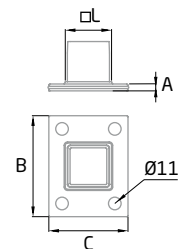
LG	L	L'	E*
6000	40	20	1,5
6000	20	10	1,5



AV-660 AISI-316

BA SATIN

Q	□ L	A	B	C
2	40x40	18	100	90
2	50x50	18	100	90



BS-10 AISI-316

Q	□ L	A	B	C	ε*
2	40x40	6	88	69	1,5



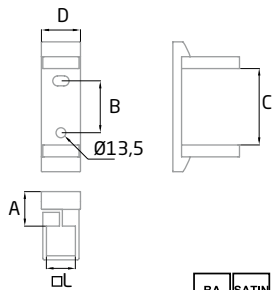
Posibilidades de anclaje BS-10 / Anchoring possibilities for the BS-10 / Possibilités d'anclaje BS-10

C25/30 Uncracked	C25/30 Cracked / Uncracked
FAZ II M-10 L-105 <i>(Brico Pag. 97)</i>	FAZ II M-10 L-105 <i>(Brico Pag. 97)</i>
FIS VS M-10 + DIN 975 + DIN 934 + DIN 125 <i>(Brico Pag. 95 / 96)</i>	FIS VS M-10 + DIN 975 + DIN 934 + DIN 125 <i>(Brico Pag. 95 / 96)</i>

* Consultar idoneidad de usos según posibilidades de anclaje (Pag. 70)
Consult adequacy of uses according to anchoring possibilities (Pag. 70)
Vérifier la pertinence de l'utilisations par rapport au possibilités d'anclaje (Pag. 70)

* Cracked / Uncracked
Hormigón Traccionado / Hormigón Comprimido
Béton comprimé / Béton en traction

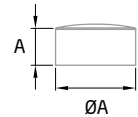
* Calidad recomendada de hormigón comprimido y traccionado C25/30.
Recommended quality for uncracked/cracked concrete C25/30.
Qualité recommandé du béton comprimé et en traction C25/30.



SL-1111 AISI-316

BA SATIN

1	40x40	A	B	C	D
1	40x40	46,5	70	103	54



TF-590 AISI-316

BA SATIN

4	ØA	A	M
4	18	11	M8
4	22,5	13	M10

Tapa para cabeza de tornillo
End cap for screw head
Bouchon pour vis



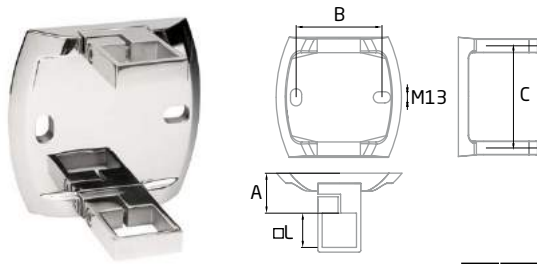
Posibilidades de anclaje SL-1111 / Anchoring possibilities for the SL-1111 / Possibilités d'ancrage SL-1111

C25/30 Uncracked	C25/30 Cracked / Uncracked
FBN II M-12 L-116 <i>(Brico Pag. 97)</i>	FAZ II M-12 L-120 <i>(Brico Pag. 97)</i>
FIS VS M-10 + DIN 975 + DIN 934 + DIN 125 <i>(Brico Pag. 95 / 96)</i>	FIS VS M-10 + DIN 975 + DIN 934 + DIN 125 <i>(Brico Pag. 95 / 96)</i>
FIS VS + RG MI M-10 L-90 + DIN 933 + DIN 125 <i>(Brico Pag. 92 / 95 / 96)</i>	FIS VS + RG MI M-10 L-90 + DIN 933 + DIN 125 <i>(Brico Pag. 92 / 95 / 96)</i>

* Consultar idoneidad de usos según posibilidades de anclaje (Pag. 70)
Consult adequacy of uses according to anchoring possibilities (Pag. 70)
Vérifier la pertinence de l'utilisations par rapport au possibilités d'ancrage (Pag. 70)

* Cracked / Uncracked
Hormigón Traccionado / Hormigón Comprimido
Béton comprimé / Béton en traction

* Calidad recomendada de hormigón comprimido y traccionado C25/30
Recommended quality for uncracked/cracked concrete C25/30
Qualité recommandé du béton comprimé et en traction C25/30


SL-110 AISI-316

BA	SATIN
----	-------

	□L	A	B	C
1	40x40	46,5	100	120


SL-1181 AISI-316

BA	SATIN
----	-------

	□L	A	B
2	40x40	34,5	50

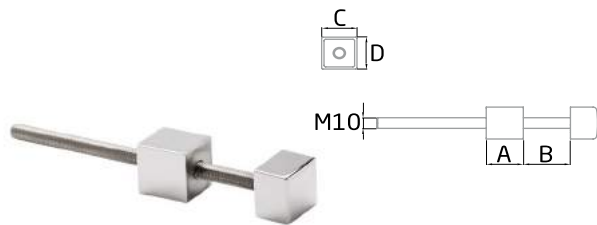

Posibilidades de anclaje SL-1110 / Anchoring possibilities for the SL-1110 / Possibilités d'ancrage SL-1110

C25/30 Uncracked	C25/30 Cracked / Uncracked
FBN II M-12 L-116 <i>(Brico Pag. 97)</i>	FAZ II M-12 L-120 <i>(Brico Pag. 97)</i>
FIS VS M-12 + DIN 975 + DIN 934 + DIN 125 <i>(Brico Pag. 95 / 96)</i>	FIS VS M-12 + DIN 975 + DIN 934 + DIN 125 <i>(Brico Pag. 95 / 96)</i>
FIS VS + RG MI M-12 L-125 + DIN 933 + DIN 125 <i>(Brico Pag. 92 / 95 / 96)</i>	FIS VS + RG MI M-12 L-125 + DIN 933 + DIN 125 <i>(Brico Pag. 92 / 95 / 96)</i>

* Consultar idoneidad de usos según posibilidades de anclaje (Pag. 70)
 Consult adequacy of uses according to anchoring possibilities (Pag. 70)
 Vérifier la pertinence de l'utilisations par rapport au possibilités d'ancrage (Pag. 70)

* Cracked / Uncracked
 Hormigón Traccionado / Hormigón Comprimido
 Béton comprimé / Béton en traction

* Calidad recomendada de hormigón comprimido y traccionado C25/30
 Recommended quality for uncracked/cracked concrete C25/30
 Qualité recommandé du béton comprimé et en traction C25/30



SL-1130 AISI-316

BA SATIN

*1 kit	A	B	C	D
	31,5	40	30	30



* 1 kit: 2pcs

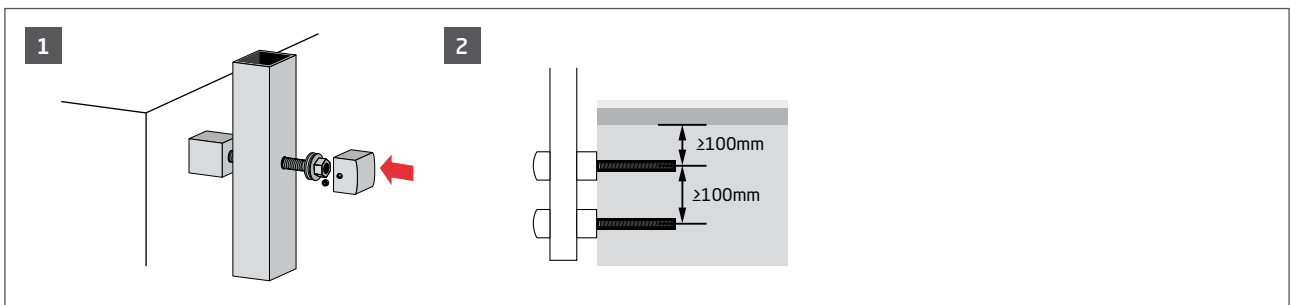
Posibilidades de anclaje SL-1130 / Anchoring possibilities for the SL-1130 / Possibilités d'ancrage SL-1130

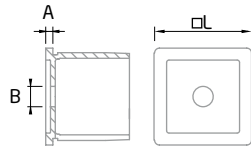
C25/30 Uncracked	C25/30 Cracked / Uncracked
FIS VS M-10 <i>(Brico Pag. 97)</i>	FIS VS M-10 <i>(Brico Pag. 97)</i>

* Cracked / Uncracked
Hormigón Traccionado / Hormigón Comprimido
Béton comprimé / Béton en traction

Instalación / Installation / Installation

SL-1130





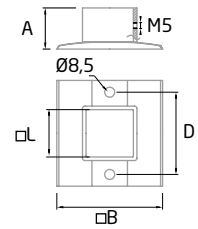
ST-333 AISI-316

BA SATIN

	□L	A	B	E*
2	40x40	3	8,5	1,5

DIN 7981 Ø 6,3 L60 (Brico Pag. 93)

BR-2087 (Brico Pag. 98)



AV-610 AISI-316

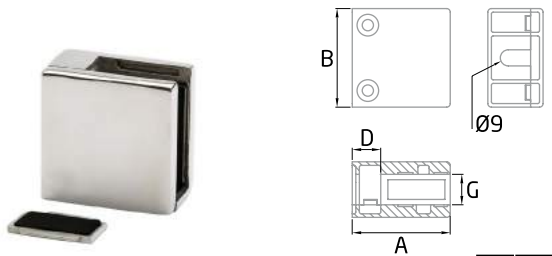
BA SATIN

	□L	A	□B	D
2	40x40	35	90	70

DIN 7981 Ø 6,3 L60 (Brico Pag. 93)

BR-2087 (Brico Pag. 98)





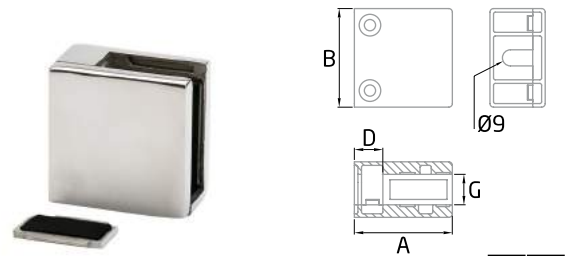
CC-724 AISI-316

BA SATIN

	A	B	D	G
4	45	45	16	6-10,76

DIN-912 M-8 L-20 (Brico Pag. 92)

BR-2011 M-8 (Brico Pag. 93)



CC-726 AISI-316

BA SATIN

	A	B	D	G
4	55	55	16	12-16,76

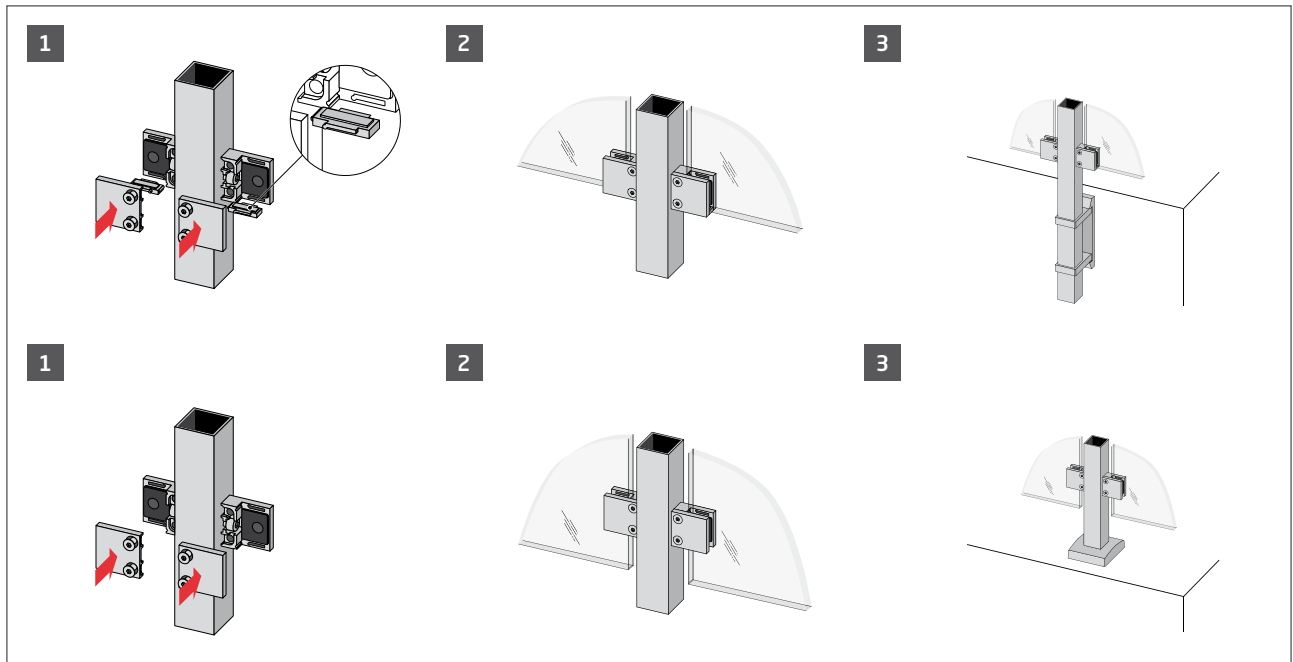
DIN-912 M-8 L-20 (Brico Pag. 92)

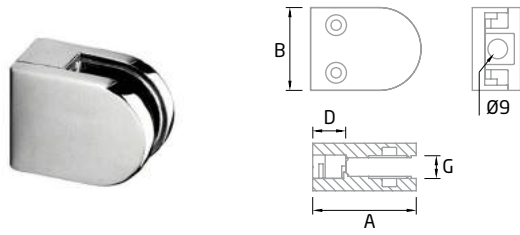
BR-2011 M-8 (Brico Pag. 93)



Instalación / Installation / Installation

CC-724 / CC-726



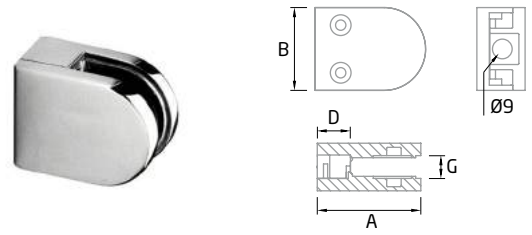


CC-700 AISI-316 BA SATIN

4	A	B	D	G
4	50	40	16	6-8
4	50	40	16	8-10
4	50	40	16	10-12

DIN-912 M-8 L-20 (Brico Pag. 92)

BR-2011 M-8 (Brico Pag. 93)

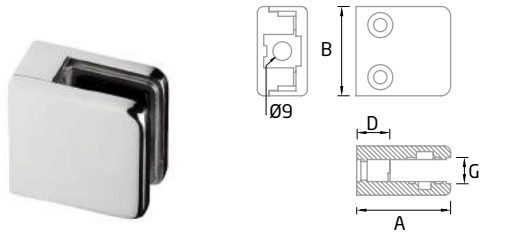


CC-702 AISI-316 BA SATIN

4	A	B	D	G
4	60	55	15,5	12-16,76

DIN-912 M-8 L-20 (Brico Pag. 92)

BR-2011 M-8 (Brico Pag. 93)

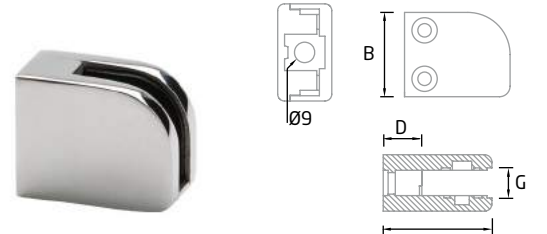


CC-720 AISI-316 BA SATIN

4	A	B	D	G
4	44	44	16	8-10

DIN-912 M-8 L-20 (Brico Pag. 92)

BR-2011 M-8 (Brico Pag. 93)

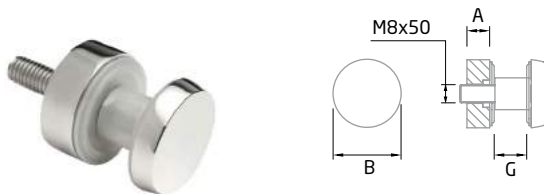


CC-750 AISI-316 BA SATIN

4	A	B	D	L/R	G
4	50	40	16	L/R	8-10

DIN-912 M-8 L-20 (Brico Pag. 92)

BR-2011 M-8 (Brico Pag. 93)



CC-768 AISI-316 BA SATIN

4	A	B	G
4	10	30	6-17,52

BR-2011 M-8 (Brico Pag. 93)



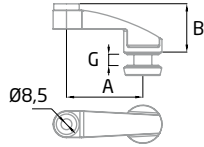
CC-759 AISI-316 BA SATIN

2	A	B	G
2	120	38	8,38-16,76

DIN-7984 M-8 L-30 (Brico Pag. 92)

BR-2011 M-8 (Brico Pag. 93)





CC-761 AISI-316

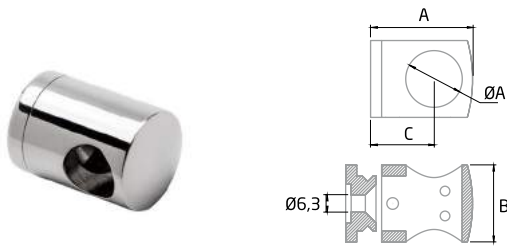
BA SATIN

	A	B	G
2	60	38	8,38-16,76

DIN-7984 M-8 L-30 (Brico Pag. 92)


BR-2011 M-8 (Brico Pag. 93)





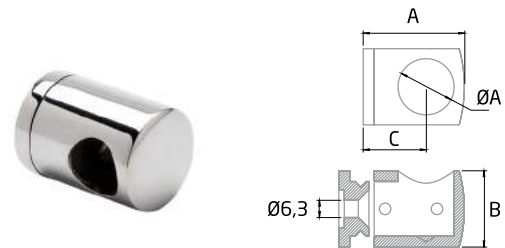
ST-321 AISI-316

BA SATIN

	ØA	A	B	C
4	12	29,5	20	20
4	20	37	28	23


DIN-7991 M-6 L-25 (Brico Pag. 92)

BR-2011 M-6 (Brico Pag. 93)



ST-323 AISI-316

BA SATIN

	ØA	A	B	B	L/R
4	12	29,5	20	20	L/R
4	20	37	28	23	L/R

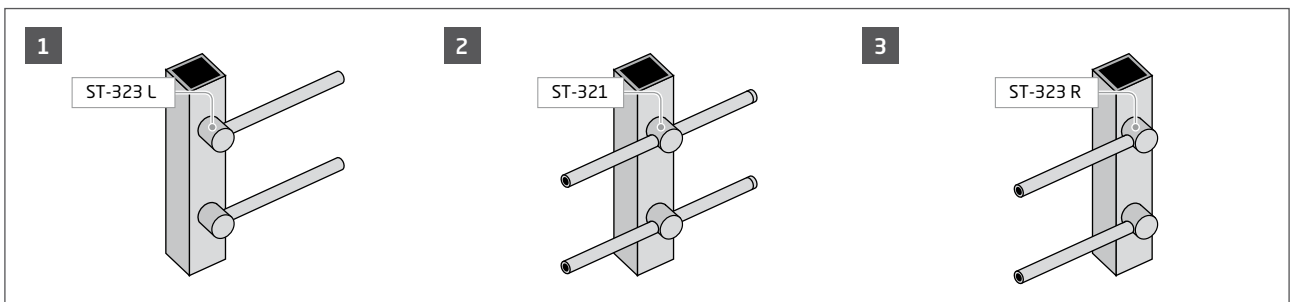
DIN-7991 M-6 L-25 (Brico Pag. 92)

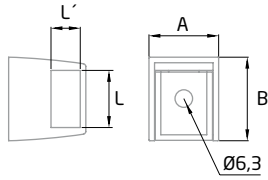
BR-2011 M-6 (Brico Pag. 93)



Instalación / Installation / Installation

ST-321 / ST-323





ST-328 AISI-316

BA SATIN

	L	L'	A	B	
	4	20	10	25	28

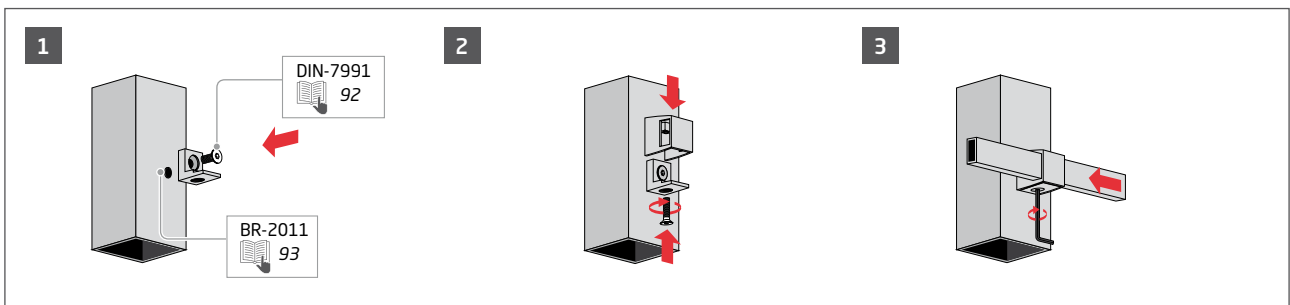
DIN-7991 M-6 L-25 (Brico Pag. 92)

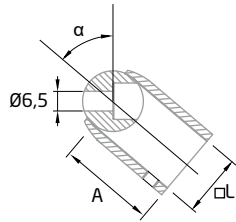
BR-2011 M-6 (Brico Pag. 93)



Instalación / Installation / Installation

ST-328





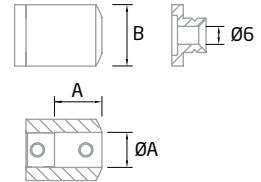
SA-407 AISI-316

BA SATIN

		A	α
4	20x20	32	50°

DIN-912 M-6 L-20 (Brico Pag. 92)

BR-2011 M-6 (Brico Pag. 93)



ST-326 AISI-316

BA SATIN

	$\varnothing A$	A	B
4	12	16	21

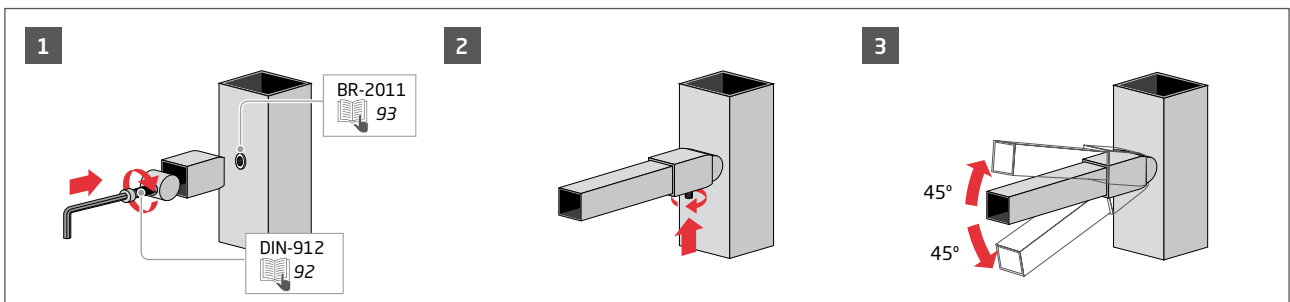
DIN-7991 M-6 L-25 (Brico Pag. 92)

BR-2011 M-6 (Brico Pag. 93)



Instalación / Installation / Installation

SA-407





comenza
Railing Passion



SC-800 AISI-316

BA SATIN

ØC	B
2 4-5 mm	112

BR-2011 M-6 (Brico Pag. 93)

Tensor.
Tensioner.
Tendeur.



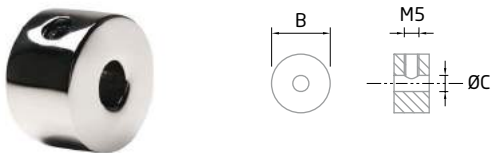
SC-801 AISI-316

BA SATIN

ØC	B
2 4-5 mm	71

BR-2011 M-6 (Brico Pag. 93)

Terminal.
Terminal.
Terminaison.



SC-850 AISI-316

BA SATIN

ØC	B
4 4-5 mm	20

Stopper.



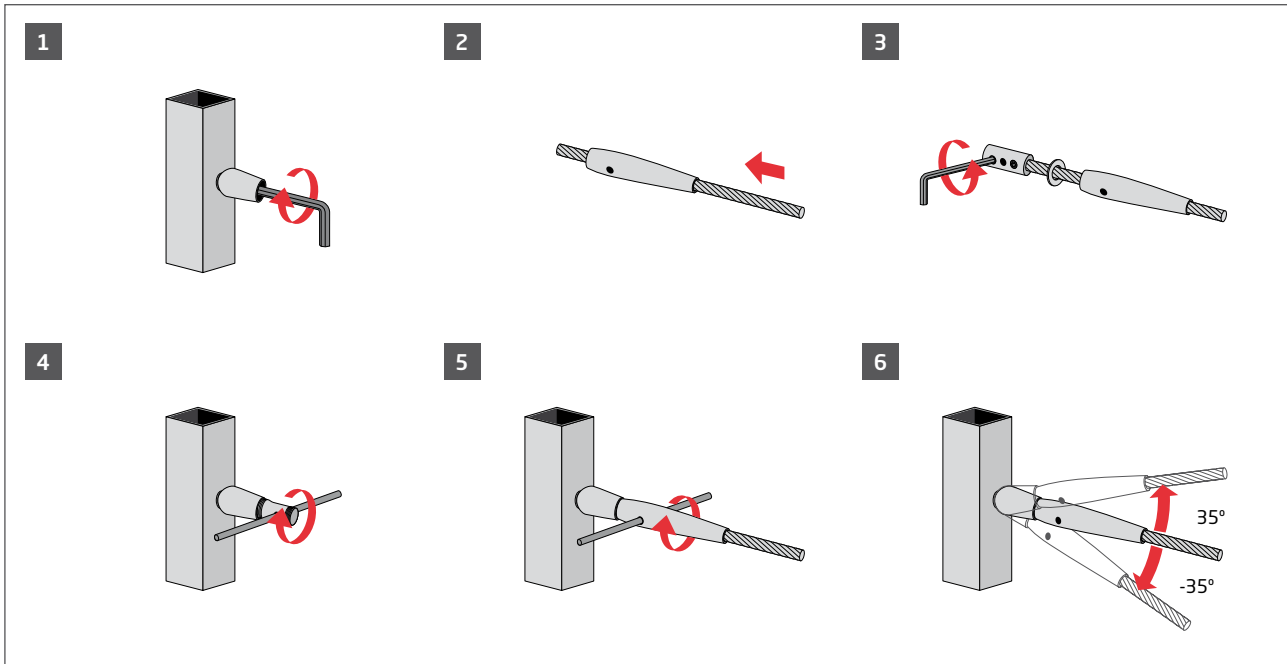
7 + 7 + 0 semi-flexible


RP-1460 AISI-316

ØC	L
4	Consultar / Inquire / Consulter
5	Consultar / Inquire / Consulter

Instalación / Installation / Installation

SC-800 / SC-801



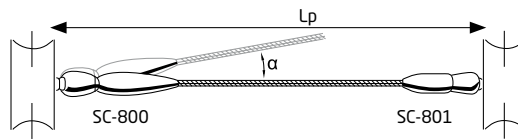
 Ver video de instalación en / Watch installation video at / Voir video d'installation à www.comenza.com

Recomendaciones / Recommendations / Recommendations

Cable Recomendado.
Recommended wire.
Câble recommandé.



7+7+0 semi-flexible



Máx: 10m $L_c = (L_p / \cos \alpha) - \phi T - 105 + 10$

Lc: Longitud del cable / Cable Length / Longueur câble

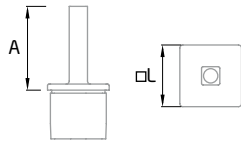
Lp: Longitud entre centros de pilares / Length between pillar centers / Longueur entre les centres des piliers

øT: ø tubo / ø tube

(Los datos reflejados están basados en ensayos realizados con cálculo elementos finitos y verificados en nuestras instalaciones con ensayos físicos. Es responsabilidad del usuario establecer la idoneidad de la información facilitada con el uso particular que vaya a realizar del producto)

(The data indicated are based on tests conducted by finite element calculation and checked at our facilities with physical tests. The user is responsible of determining the adequacy of the information provided to the particular use of the product)

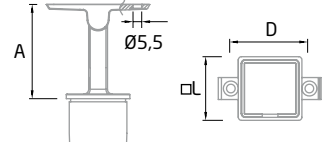
(Les informations présentes s'appuient sur des tests réalisés par calcul par éléments finis et vérifié par au sein de nos installations par de essais physique. Il incombe à l'utilisateur de définir le bien fondé de l'information fournie et de la recouper en fonction de l'usage qu'il fera lui-même du produit)



ST-331 AISI-316

BA SATIN

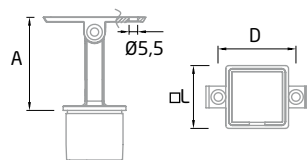
Q	L	A	E*
2	40x40	55	1,5



ST-332 AISI-316

BA SATIN

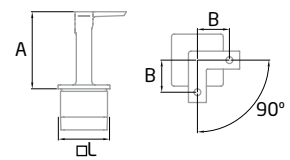
Q	L	A	D	E*
2	40x40	60	50	1,5



SA-434 AISI-316

BA SATIN

Q	L	A	D	E*
2	40x40	60	50	1,5

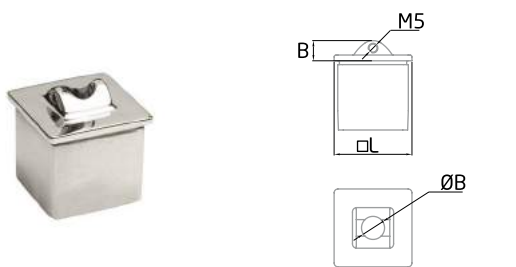


ST-339 AISI-316

BA SATIN

Q	L	A	B	E*
2	40x40	60	25	1,5

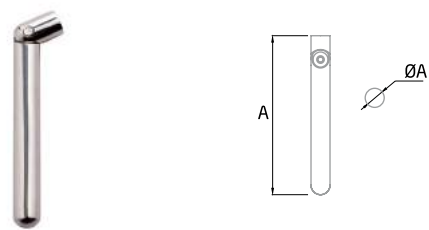




SA-440 AISI-316

BA SATIN

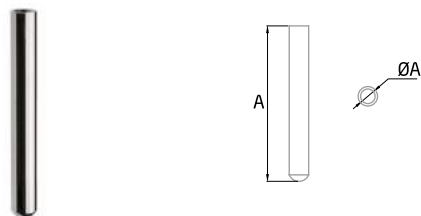
Q	L	ØB	A	E*
2	40x40	12	10	1,5
2	50x50	12	12	1,5



BG-00 AISI-316

BA SATIN

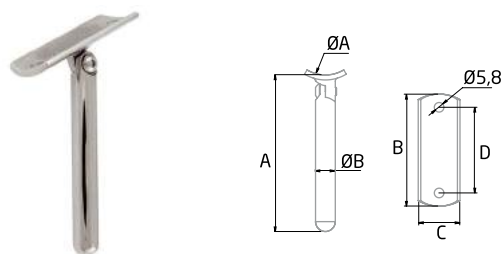
Q	ØA	A
2	12	100



BF-00 AISI-316

BA SATIN

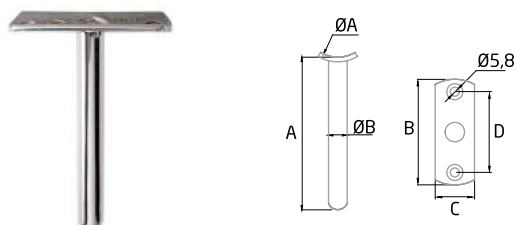
Q	ØA	A
2	12	96



BG-R AISI-316

BA SATIN

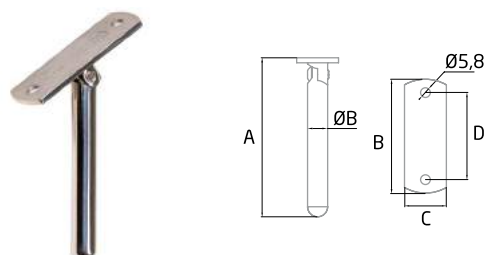
Q	ØA	ØB	A	B	C	D
2	43	12	95	68	25	52
2	50,8	12	95	68	25	52



BF-R AISI-316

BA SATIN

Q	ØA	ØB	A	B	C	D
2	43	12	98	68	25	52
2	50,8	12	96	61,5	61,5	61,5

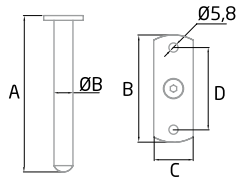


BG-FLAT AISI-316

BA SATIN

Q	ØB	A	B	C	D
2	12	95	68	25	52

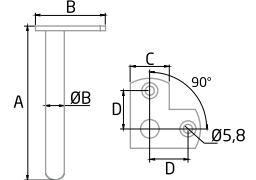




BF-FLAT AISI-316

BA SATIN

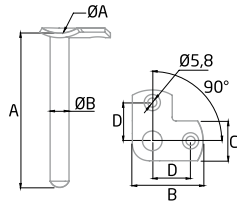
	ØB	A	B	C	D
2	12	99	68	25	52



BF-C FLAT 90 AISI-316

BA SATIN

	ØB	A	B	C	D
2	12	99	45	25	24,5



BF-C R 90 AISI-316

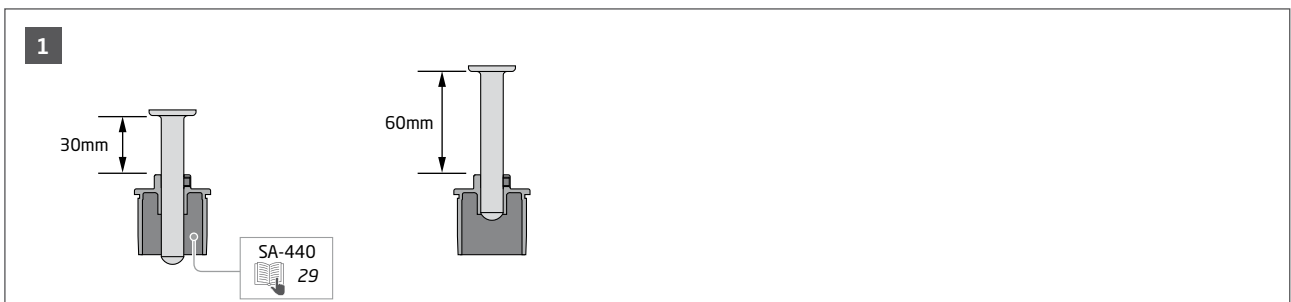
BA SATIN

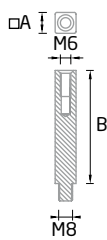
	ØA	ØB	A	B	C	D
2	43	12	98	45	25	24
2	50,8	12	98	45	25,5	24



Instalación / Installation / Installation

SA-440

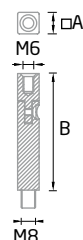




ST-381 AISI-316

BA SATIN

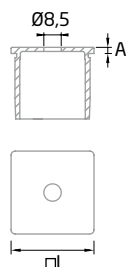
	□L	B
2	12	65



SA-481 AISI-316

BA SATIN

	□L	B
2	12	65



TF-533 AISI-316

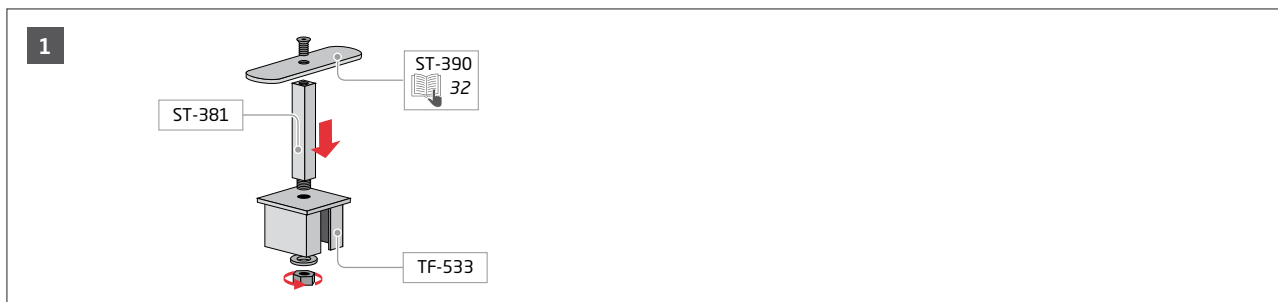
BA SATIN

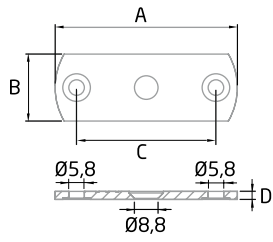
	□L	A	E*
2	40x40	3	1,5
2	50x50	3	1,5



*Included

Instalación / Installation / Installation

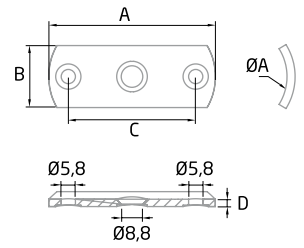




ST-390 AISI-316

BA SATIN

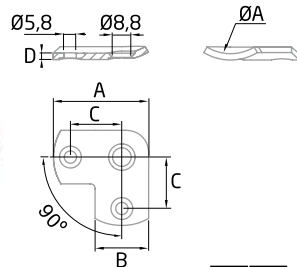
	A	B
4	30	68,5



ST-391 AISI-316

BA SATIN

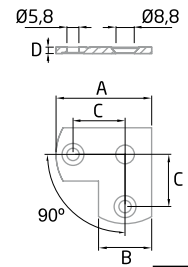
	$\varnothing A$	A	B	C	D
4	43	68	25	52	3
4	50,8	68	25	52	3



ST-392 90° AISI-316

BA SATIN

	$\varnothing A$	A	B	C	D
4	43	45	25	24	3
4	50,8	45	25,5	24	3

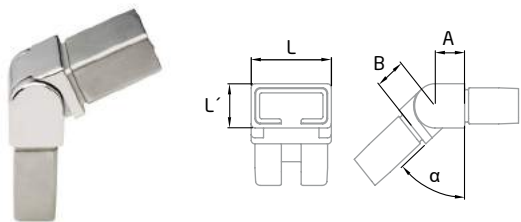


ST-393 AISI-316

BA SATIN


	A	B	C	D
4	45	25	24,5	3

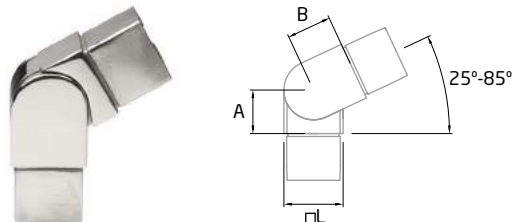




SA-432 AISI-316

BA SATIN

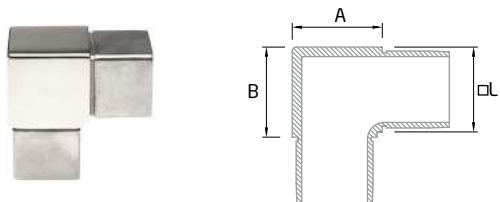
	L	L'	A	B	α	E*
2	40	20	15	15	0-90°	1,5



SA-433 AISI-316

BA SATIN

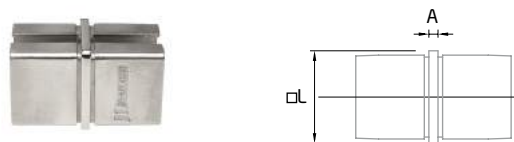
	□ L	A	B	E*
2	40x40	30	30	1,5



CT-220 AISI-316

BA SATIN

	□ L	A	B	E*
2	40x40	43	43	1,5

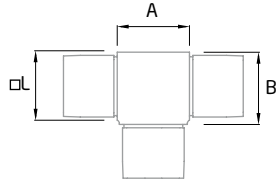


CT-221 AISI-316

BA SATIN

	□ L	A	E*
2	40x40	4	1,5

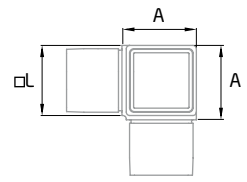




CT-222 AISI-316

BA SATIN

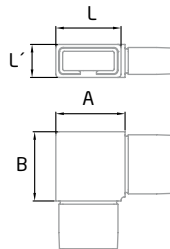
2	□ L	A	B	E*
2	40x40	43	43	1,5



CT-225 AISI-316

BA SATIN

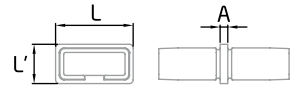
2	□ L	A	E*
2	40x40	43	1,5



CT-230 AISI-316

BA SATIN

2	L	L'	A	B	E*
2	40	20	43	43	1,5

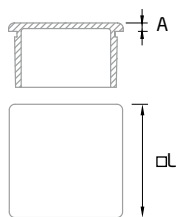


CT-232 AISI-316

BA SATIN


2	L	L'	A	E*
2	40	20	4	1,5

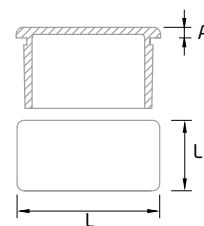




TF-530 AISI-316


BA SATIN

	□ L	A	ε*
4	20x20	3	1,5
2	30x30	3	1,5
2	40x40	3	1,5
2	50x50	3	1,5



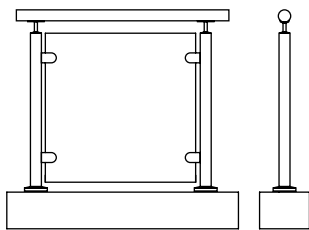
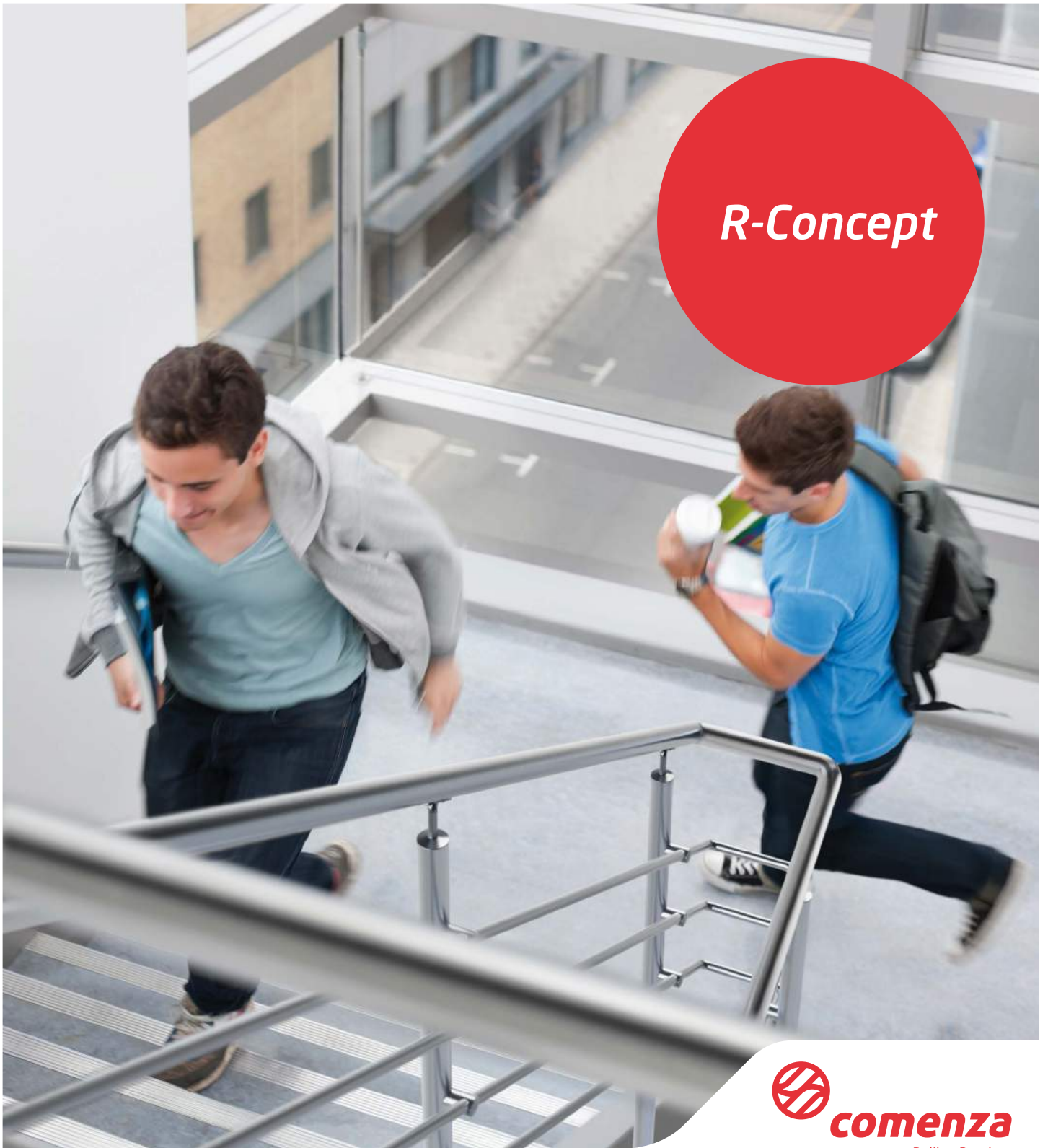
TF-535 AISI-316

BA SATIN

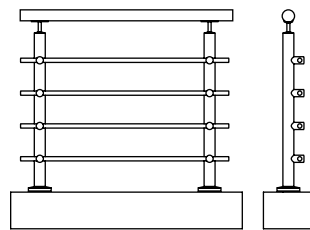
	L	L'	A	ε*
4	20	10	3	1,5
2	40	20	3	1,5



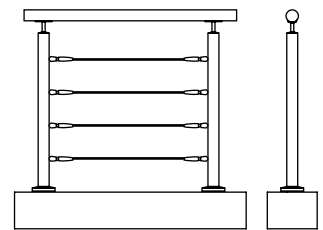
R-Concept



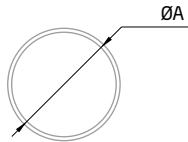
Sistema / System / Système
R-Concept: Glass



Sistema / System / Système
R-Concept: Tube



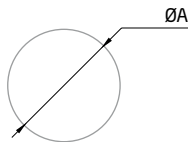
Sistema / System / Système
R-Concept: EasyCable



RP-1430 AISI-316

BA SATIN

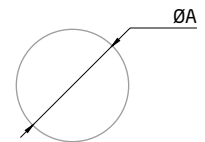
LG	ØA	E*
6000	12	1
6000	20	1,5
6000	43	1,5
6000	50,8	1,5



RP-1450

NAT VARN

A	Ø	Qlty.
3000	45	Haya / Beech / Hêtre

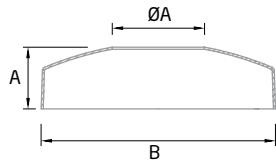


RP-1450

NAT VARN

A	Ø	Qlty.
3000	45	Sapeli / Sapele / Sapelli

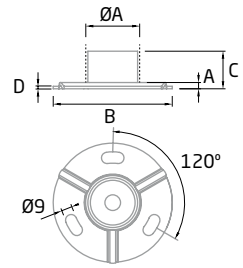
Tenga en cuenta que la madera es un producto natural y por tanto su color puede diferir.
Please note that Wood is a natural product and therefore its color might differ.
Merci de prendre en compte que le bois est un produit naturel et donc sa couleur peut différer.



AV-650 AISI-316



ØA	A	B
4	11,5	55
2	22,5	99
2	22,5	99
2	22,5	99
2	22,5	99
2	24	110



BS-00 AISI-316

ØA	A	B	C	D	E*
2	5	95	35	2,5	1,5
2	5	95	35	2,5	1,5
2	5	95	35	2,5	1,5



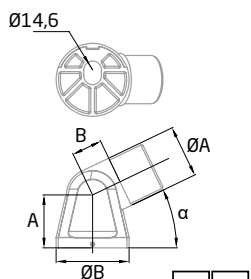
Posibilidades de anclaje BS-00 / Anchoring possibilities for the BS-00 / Possibilités d'anclaje BS-00

	C25/30 Uncracked	C25/30 Cracked / Uncracked
	FIS VS M-8 + DIN 975 + DIN 934 + DIN 125 (Brico Pag. 95 / 96)	FIS VS M-8 + DIN 975 + DIN 934 + DIN 125 (Brico Pag. 95 / 96)
	FIS VS M-12 + DIN 975 + DIN 934 + DIN 125 (Brico Pag. 95 / 96)	FIS VS M-12 + DIN 975 + DIN 934 + DIN 125 (Brico Pag. 95 / 96)

* Consultar idoneidad de usos según posibilidades de anclaje (Pag. 70)
Consult adequacy of uses according to anchoring possibilities (Pag. 70)
Vérifier la pertinence de l'utilisations par rapport au possibilités d'anclaje (Pag. 70)

* Cracked / Uncracked
Hormigón Traccionado / Hormigón Comprimido
Béton comprimé / Béton en traction

* Calidad recomendada de hormigón comprimido y traccionado C25/30
Recommended quality for uncracked/cracked concrete C25/30
Qualité recommandé du béton comprimé et en traction C25/30



SA-451 AISI-316

	ØA	ØB	A	B	α	BA	SATIN
2	43	60	44,5	25	26-90°		
2	50,8	72	53	30	26-90°		



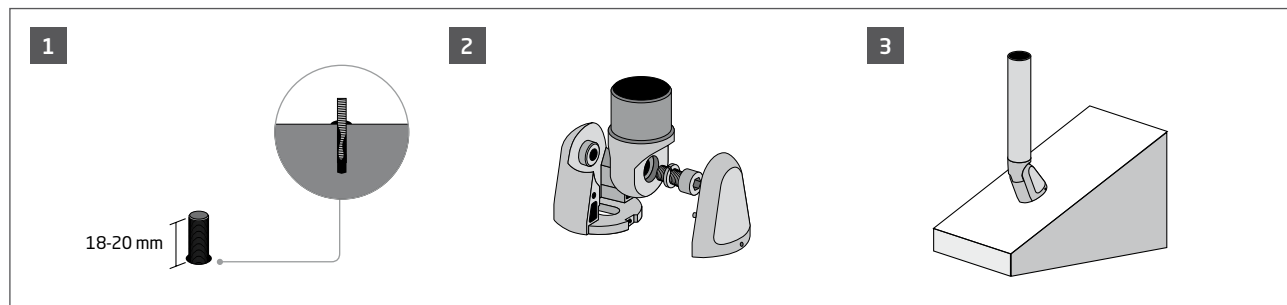
Posibilidades de anclaje SA-451 / Anchoring possibilities for the SA-451 / Possibilités d'ancrage SA-451

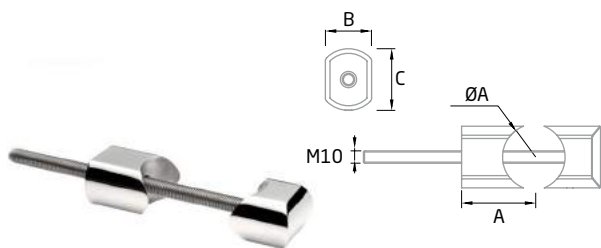
C25/30 Uncracked	C25/30 Cracked / Uncracked
FIS VS M-12 + DIN 975 + DIN 934 + DIN 125 (Brico Pag. 95 / 96)	FIS VS M-12 + DIN 975 + DIN 934 + DIN 125 (Brico Pag. 95 / 96)

* Cracked / Uncracked
Hormigón Traccionado / Hormigón Comprimido
Béton comprimé / Béton en traction

Instalación / Installation / Installation

SA-451





SL-1120 AISI-316

BA SATIN

	ØA	A	B	C
* 1 kit	43	53	30	40
* 1 kit	50,8	57	30	40



* 1 kit: 2pcs

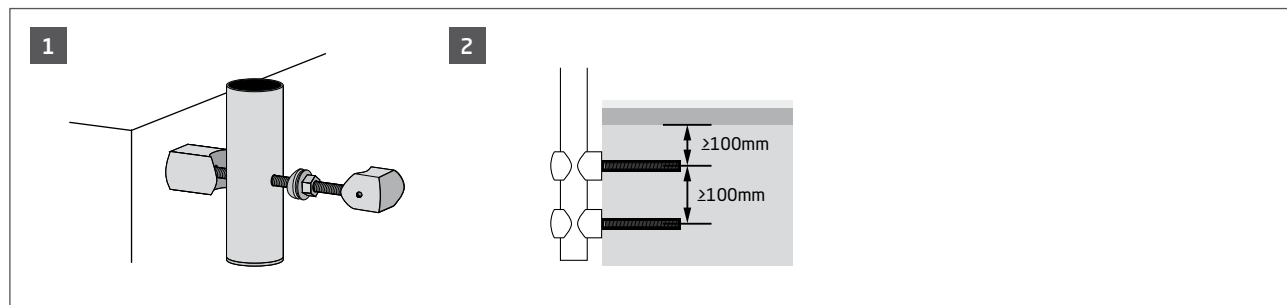
Posibilidades de anclaje SL-1120 / Anchoring possibilities for the SL-1120 / Possibilités d'ancrage SL-1120

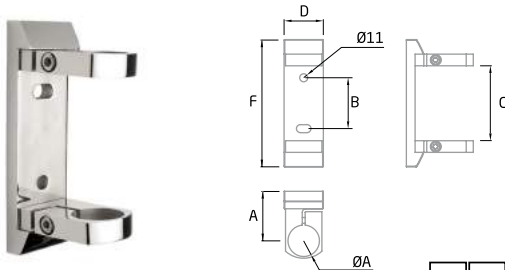
C25/30 Uncracked	C25/30 Cracked / Uncracked
FIS VS M-10 <i>(Brico Pag. 95)</i>	FIS VS 390 S M-10 <i>(Brico Pag. 95)</i>

* Cracked / Uncracked
Hormigón Traccionado / Hormigón Comprimido
Béton comprimé / Béton en traction

Instalación / Installation / Installation

SL-1120

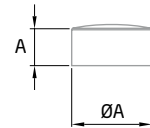




SL-1101 AISI-316

BA SATIN

	ØA	A	B	C	D	F
1	43	68	70	103	54	175
1	50,8	72	70	101	62	175



TF-590 AISI-316

BA SATIN

	ØA	A	M
4	18	11	M8
4	22,5	13	M10

Tapa para cabeza de tornillo
End cap for screw head
Bouchon pour vis



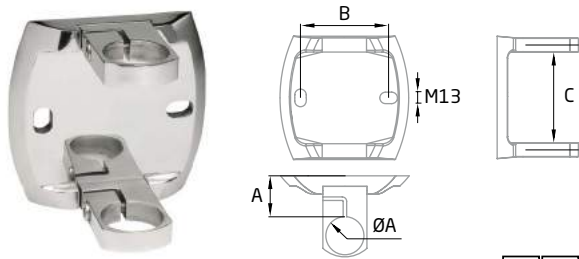
Posibilidades de anclaje SL-1101 / Anchoring possibilities for the SL-1101 / Possibilités d'ancrage SL-1101

C25/30 Uncracked	C25/30 Cracked / Uncracked
FBN II M-10 L-96 <i>(Brico Pag. 97)</i>	FAZ II M-10 L-105 <i>(Brico Pag. 97)</i>
FIS VS M-10 + DIN 975 + DIN 934 + DIN 125 <i>(Brico Pag. 95 / 96)</i>	FIS VS M-10 + DIN 975 + DIN 934 + DIN 125 <i>(Brico Pag. 95 / 96)</i>
FIS VS + RG MI M-10 L-90 + DIN 933 + DIN 125 <i>(Brico Pag. 95 / 96)</i>	FIS VS + RG MI M-10 L-90 + DIN 933 + DIN 125 <i>(Brico Pag. 95 / 96)</i>


* Consultar idoneidad de usos según posibilidades de anclaje (Pag. 70)
Consult adequacy of uses according to anchoring possibilities (Pag. 70)
Vérifier la pertinence de l'utilisations par rapport au possibilités d'ancrage (Pag. 70)

* Cracked / Uncracked
Hormigón Traccionado / Hormigón Comprimido
Béton comprimé / Béton en traction

* Calidad recomendada de hormigón comprimido y traccionado C25/30
Recommended quality for uncracked/cracked concrete C25/30
Qualité recommandé du béton comprimé et en traction C25/30



SL-1100 AISI-316 BA SATIN

	ØA	B	C
1	43	100	120



SL-1180 AISI-316 BA SATIN

	ØA	A	B
2	43	34,5	50



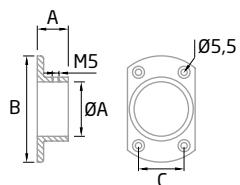
Posibilidades de anclaje SL-1100 / Anchoring possibilities for the SL-1100 / Possibilités d'ancrage SL-1100

C25/30 Uncracked	C25/30 Cracked / Uncracked
FBN II M-12 L-116 <i>(Brico Pag. 97)</i>	FAZ II M-12 L-120 <i>(Brico Pag. 97)</i>
FIS VS M-12 + DIN 975 + DIN 934 + DIN 125 <i>(Brico Pag. 95 / 96)</i>	FIS VS M-12 + DIN 975 + DIN 934 + DIN 125 <i>(Brico Pag. 95 / 96)</i>
FIS VS + RG MI M-12 L-125 + DIN 933 + DIN 125 <i>(Brico Pag. 95 / 96)</i>	FIS VS + RG MI M-12 L-125 + DIN 933 + DIN 125 <i>(Brico Pag. 95 / 96)</i>

* Consultar idoneidad de usos según posibilidades de anclaje (Pag. 70)
 Consult adequacy of uses according to anchoring possibilities (Pag. 70)
 Vérifier la pertinence de l'utilisations par rapport au possibilités d'ancrage (Pag. 70)

* Cracked / Uncracked
 Hormigón Traccionado / Hormigón Comprimido
 Béton comprimé / Béton en traction

* Calidad recomendada de hormigón comprimido y traccionado C25/30
 Recommended quality for uncracked/cracked concrete C25/30
 Qualité recommandé du béton comprimé et en traction C25/30

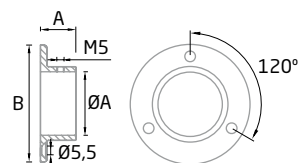


AV-600 AISI-316

BA SATIN

ØA	A	B	C
2 43	35	85	34
2 50,8	36	96	39

BR-2087 (Brico Pag. 98)

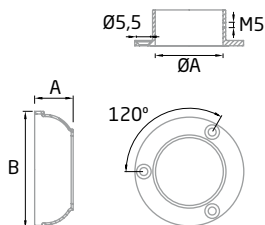


AV-601 AISI-316

BA SATIN

ØA	A	B
2 43	25	80
2 50,8	31	102

BR-2087 (Brico Pag. 98)

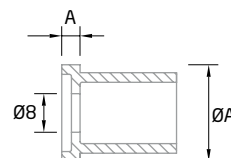


AV-602 AISI-316

BA SATIN

ØA	A	B
2 38,1	27	72
2 43	27	82
2 50,8	29	84

BR-2087 (Brico Pag. 98)



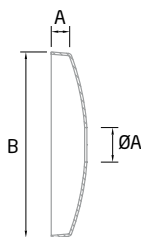
ST-308 AISI-316

BA SATIN

ØA	A	E*
4 20	4	1,5
2 43	4	1,5

DIN 7981 Ø 6,3 L60 (Brico Pag. 93)

BR-2087 (Brico Pag. 98)



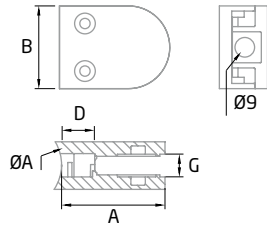
AV-651 AISI-316

BA SATIN

ØA	A	B
4 12	6	66



comenza
Railing Passion



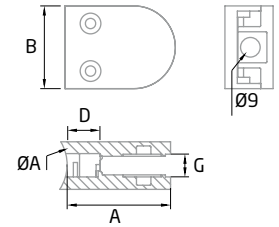
CC-701 AISI-316

BA SATIN

ØA	A	B	D	G
43	50	40	16	6-8
50,8	50	40	16	6-8
43	50	40	16	8-10
50,8	50	40	16	8-10
43	50	40	16	10-12
50,8	50	40	16	10-12

DIN-912 M-8 L-20 (Brico Pag. 92)

BR-2011 M-8 (Brico Pag. 93)



CC-703 AISI-316

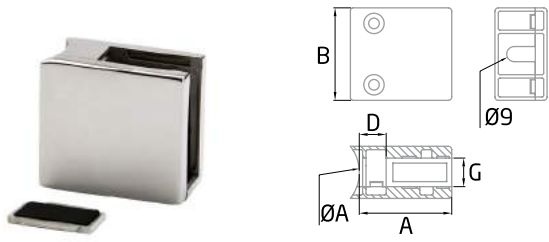
BA SATIN

ØA	A	B	D	G
43	60	55	16	12-16,76
50,8	60	55	16	12-16,76


DIN-912 M-8 L-20 (Brico Pag. 92)

BR-2011 M-8 (Brico Pag. 93)



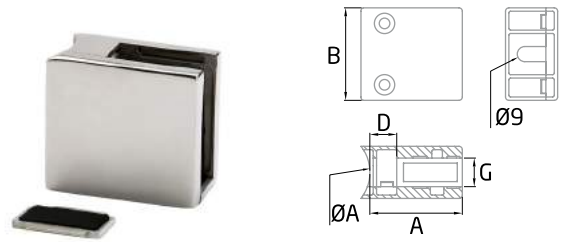


CC-725 AISI-316 BA SATIN


	$\varnothing A$	A	B	D	G
4	43	45	45	16	6-10,76
4	50,8	45	45	16	6-10,76

DIN-912 M-8 L-20 (Brico Pag. 100)

BR-2011 M-8 (Brico Pag. 101)

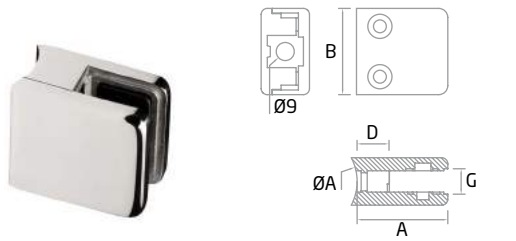


CC-727 AISI-316 BA SATIN


	$\varnothing A$	A	B	D	G
4	43	55	55	16	12-16,76
4	50,8	55	55	16	12-16,76

DIN-912 M-8 L-20 (Brico Pag. 100)

BR-2011 M-8 (Brico Pag. 101)

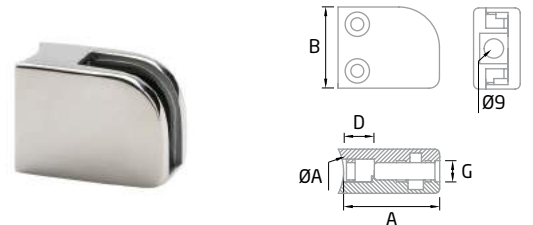


CC-721 AISI-316 BA SATIN


	$\varnothing A$	A	B	D	G
4	43	44	44	16	8-10
4	50,8	44	44	16	8-10

DIN-912 M-8 L-20 (Brico Pag. 92)

BR-2011 M-8 (Brico Pag. 93)

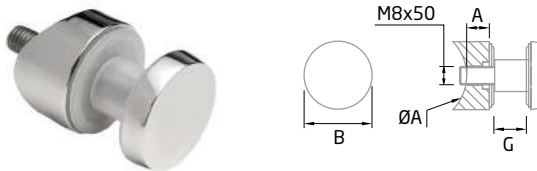


CC-751 AISI-316 BA SATIN


	$\varnothing A$	A	B	D	L/R	G
4	43	50	40	16	L/R	8-10

DIN-912 M-8 L-20 (Brico Pag. 92)

BR-2011 M-8 (Brico Pag. 93)

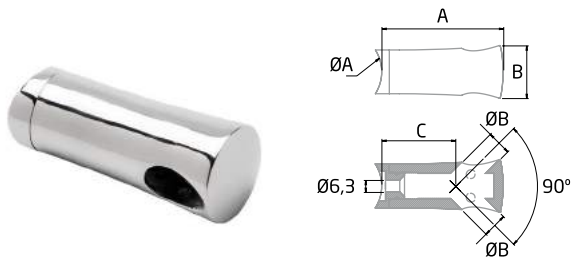


CC-769 AISI-316 BA SATIN

	$\varnothing A$	A	B	G
4	43	10	30	6-17,52

BR-2011 M-8 (Brico Pag. 93)





ST-370 AISI-316

BA SATIN

	$\varnothing A$	$\varnothing B$	A	B	C
4	43	12	64	28	38,8

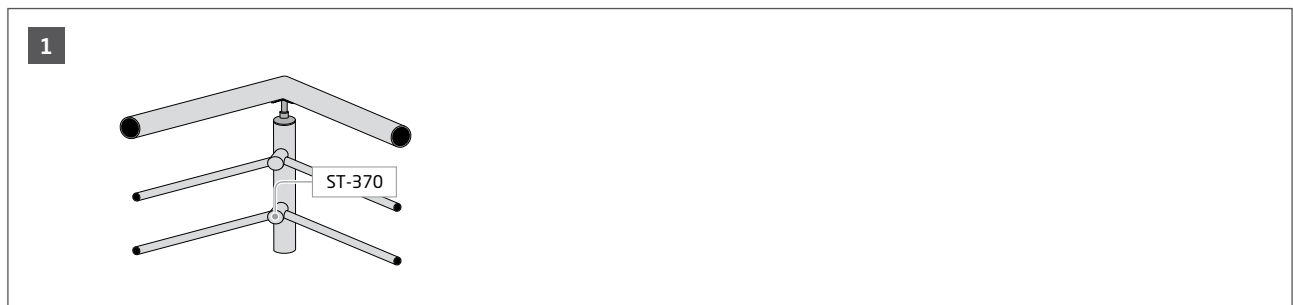
DIN-7991 M-6 L-25 (Brico Pag. 92)

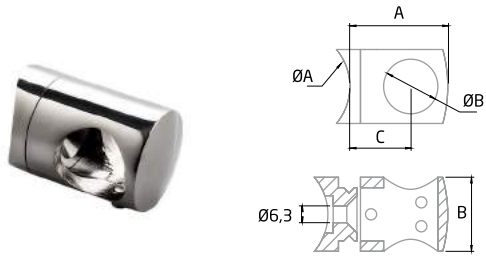
BR-2011 M-6 (Brico Pag. 93)



Instalación / Installation / Installation

ST-370





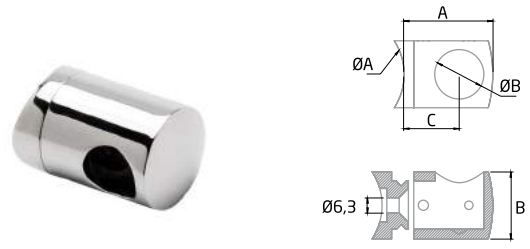
ST-320 AISI-316

BA SATIN

ØA	ØB	A	B	C
4	43	12	29,5	20
4	50,8	12	29,5	20
4	43	16	33	24
4	43	20	37	28
4	50,8	20	37	28

DIN-7991 M-6 L-25 (Brico Pag. 92)

BR-2011 M-6 (Brico Pag. 93)



ST-322 AISI-316

BA SATIN

ØA	ØB	A	B	C	L/R
4	43	12	29,5	20	L/R
4	43	20	37	28	L/R

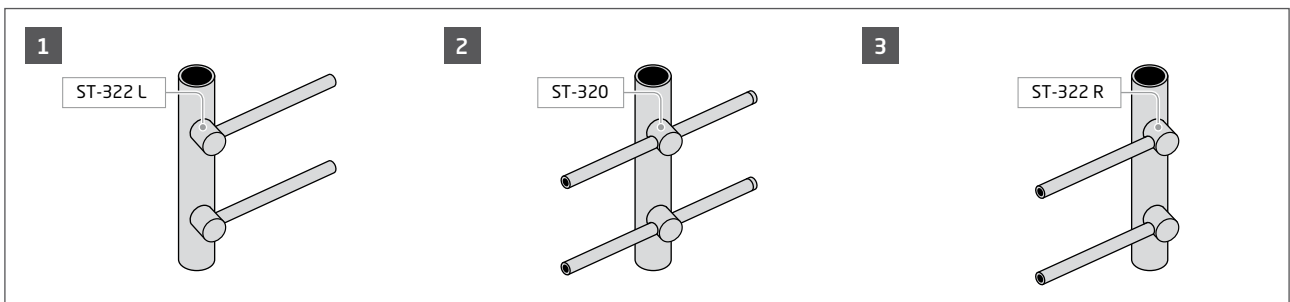
DIN-7991 M-6 L-25 (Brico Pag. 92)

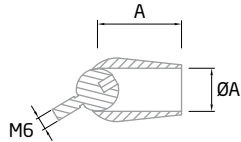
BR-2011 M-6 (Brico Pag. 93)



Instalación / Installation / Installation


ST-320 / ST-322



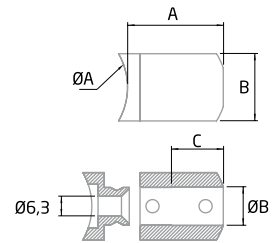


SA-405 AISI-316

BA SATIN

	ØA	A
4	12	31
4	20	42

BR-2011 M-6 (Brico Pag. 93)



ST-325 AISI-316

BA SATIN

	ØA	ØB	A	B	C
4	43	12	30,7	21,5	16

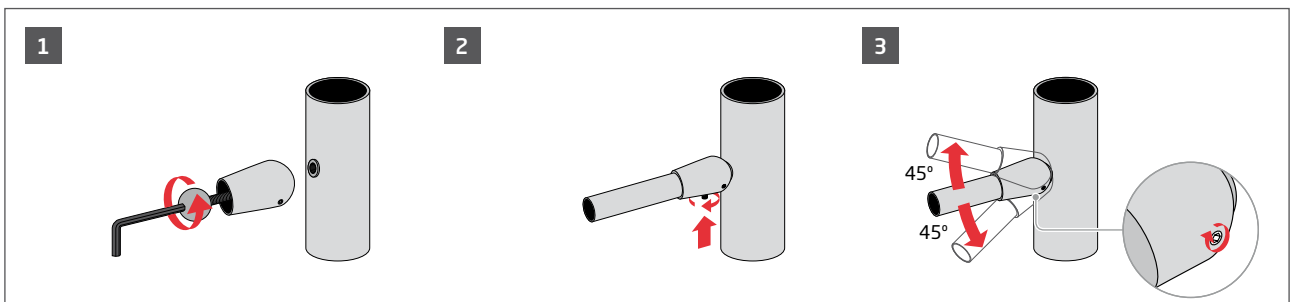
DIN-7991 M-6 L-25 (Brico Pag. 92)

BR-2011 M-6 (Brico Pag. 93)



Instalación / Installation / Installation

SA-405





SC-800 AISI-316



	ØC	B
2	4-5 mm	112

BR-2011 M-6 (Brico Pag. 93)

Tensor
Tensioner
Tendeur



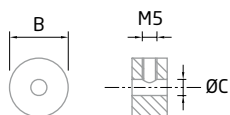
SC-801 AISI-316



	ØC	B
2	4-5 mm	71

BR-2011 M-6 (Brico Pag. 93)

Terminal
Terminal
Terminaison



SC-850 AISI-316



	ØC	B
4	4-5 mm	20

BR-2011 M-8 (Brico Pag. 93)

Stopper



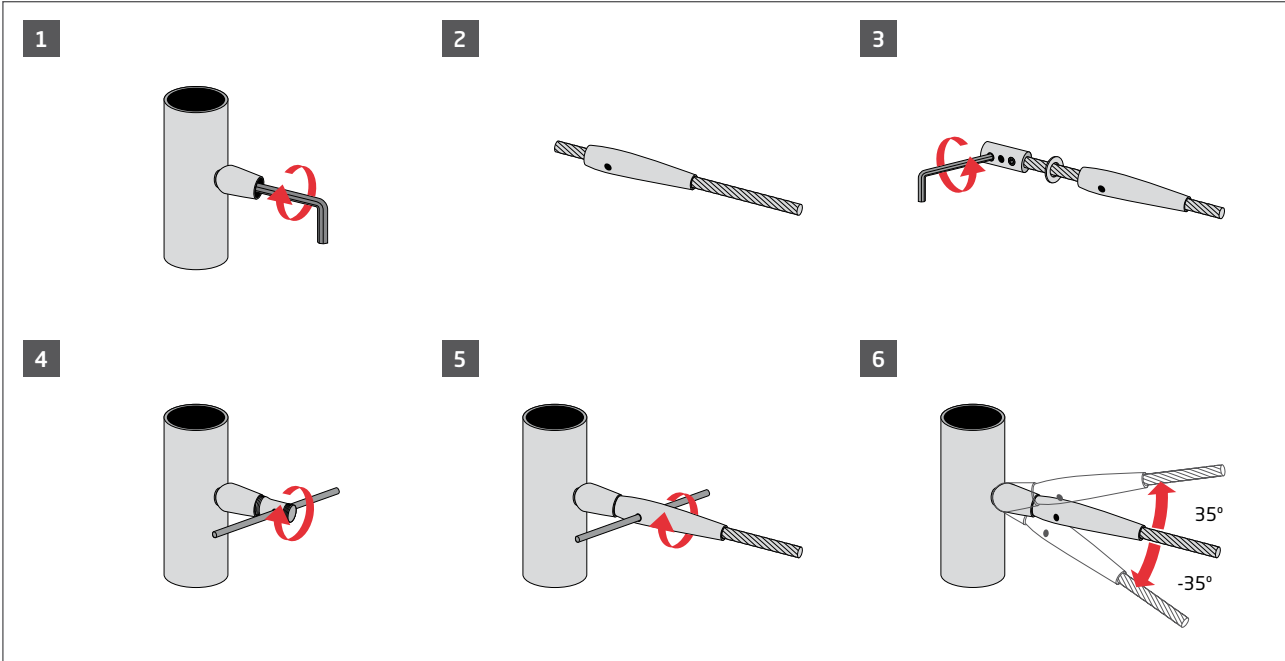
7 + 7 + 0 semi-flexible


RP-1460 AISI 316

ØC	L
4	Consultar / Inquire / Consulter
5	Consultar / Inquire / Consulter

Instalación / Installation / Installation

SC-800 / SC-801



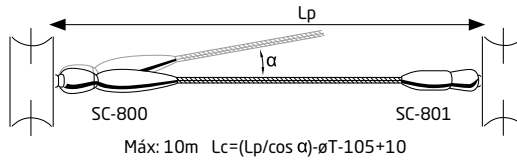
 Ver video de instalación en / Watch installation video at / Voir video d'installation à www.comenza.com

Recomendaciones / Recommendations / Recommendations

Cable Recomendado.
Recommended wire.
Câble recommandé.



7+7+0 semi-flexible



Máx: 10m $L_c = (L_p / \cos \alpha) - \phi T - 105 + 10$

Lc: Longitud del cable / Cable Length / Longueur câble

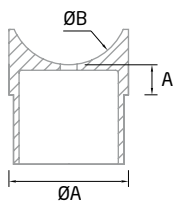
Lp: Longitud entre centros de pilares / Length between pillar centers / Longueur entre les centres des piliers

øT: ø tubo / ø tube

(Los datos reflejados están basados en ensayos realizados con cálculo elementos finitos y verificados en nuestras instalaciones con ensayos físicos. Es responsabilidad del usuario establecer la idoneidad de la información facilitada con el uso particular que vaya a realizar del producto)

(The data indicated are based on tests conducted by finite element calculation and checked at our facilities with physical tests. The user is responsible of determining the adequacy of the information provided to the particular use of the product)

(Les informations présentes s'appuient sur des tests réalisés par calcul par éléments finis et vérifié par au sein de nos installations par de essais physique. Il incombe à l'utilisateur de définir le bien fondé de l'information fournie et de la recouper en fonction de l'usage qu'il fera lui-même du produit)



ST-309 AISI-316

BA SATIN

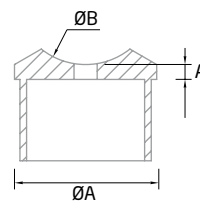
	øA	øB	A	E*
4	20	43	4	1,5
2	43	43	12	1,5
2	* 50,8	50,8	9	1,5

DIN-912 M-6 L-20 (Brico Pag. 92)

BR-2011 M-6 (Brico Pag. 93)



* BR-2011 M8 + DIN-912 M-8 L20



ST-310 AISI-316

BA SATIN

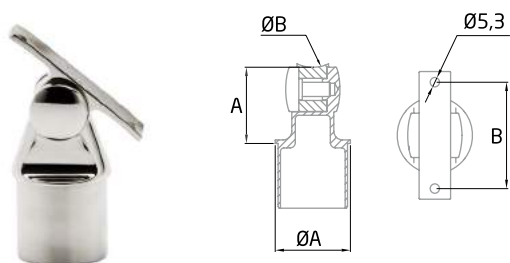
	øA	øB	A	E*
2	43	43	5	1,5
2	* 50,8	50,8	5	1,5

DIN-912 M-6/M-8 L-20 (Brico Pag. 92)

BR-2011 M-6/M-8 (Brico Pag. 93)



* BR-2011 M8 + DIN-912 M-8 L20



SA-449 AISI-316

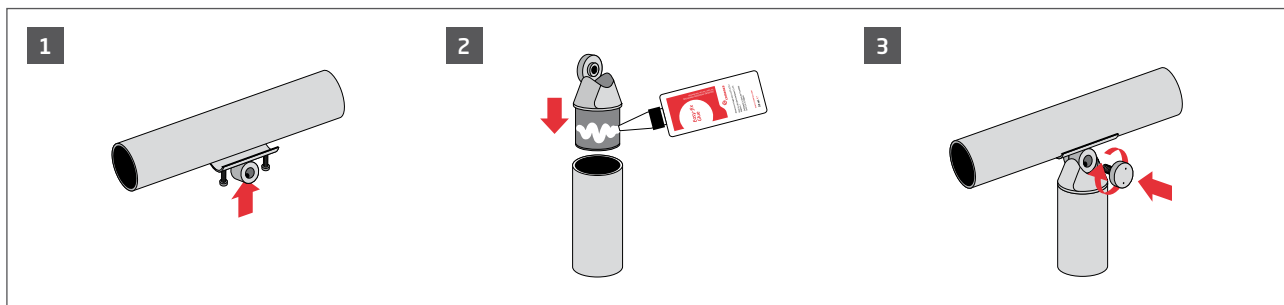
BA SATIN

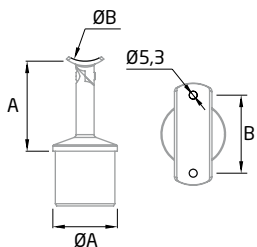
	ØA	ØB	A	B	E*
2	43	43	43	60	1,5



Instalación / Installation / Installation

SA-449

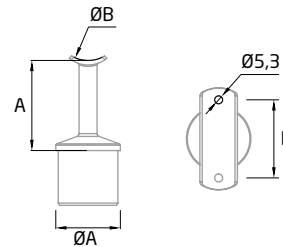




SA-404 AISI-316

BA SATIN

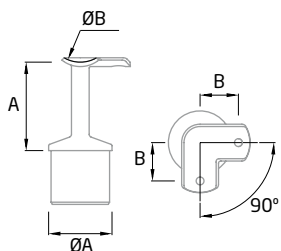
ØA	ØB	A	B	E*
43	43	60	52	1,5
50,8	50,8	65	60	1,5



ST-302 AISI-316

BA SATIN

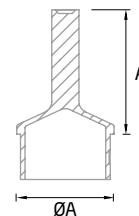
ØA	ØB	A	B	E*
43	43	60	52	1,5
50,8	50,8	65	60	1,5



ST-319 AISI-316

BA SATIN

ØA	ØB	A	B	E*
43	43	60	26	1,5
50,8	50,8	65	30	1,5

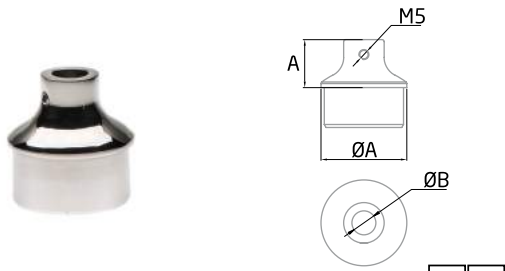



ST-330 AISI-316

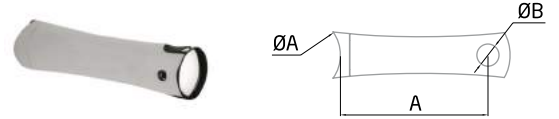
BA SATIN


ØA	A	E*
43	55	1,5
50,8	55	1,5





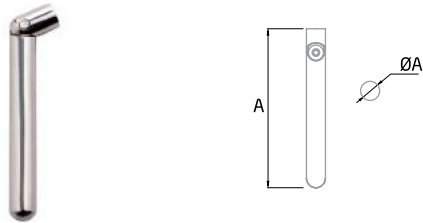
SA-420 AISI-316					BA	SATIN
	ØA	ØB	A	E*		
2	43	12,5	24	1,5		
2	50,8	12,5	24	1,5		




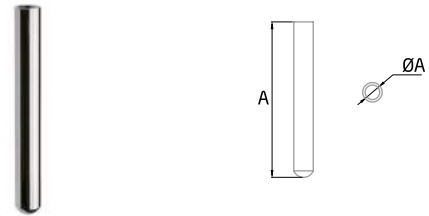
SA-421 AISI-316					BA	SATIN
	ØA	ØB	A			
2	43	12	80			

DIN-7991 M-6 L-40 (Brico Pag. 92)

BR-2011 M-6 (Brico Pag. 93)



BG-00 AISI-316			BA	SATIN
	ØA	A		
2	12	100		

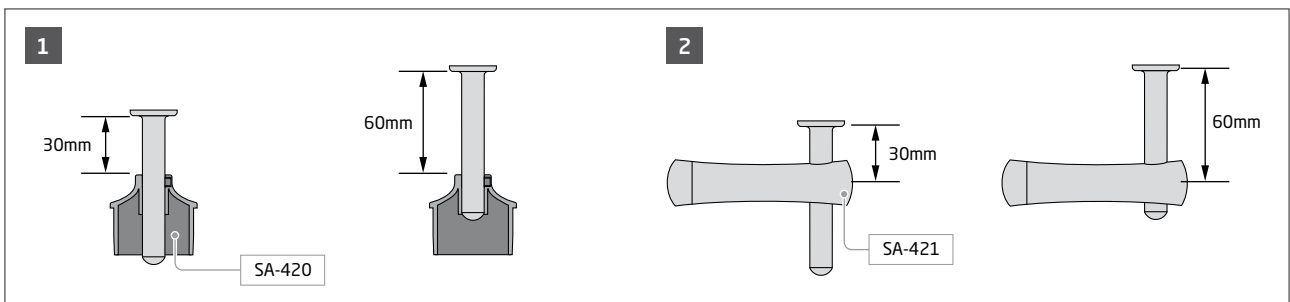


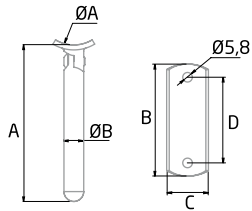
BF-00 AISI-316			BA	SATIN
	ØA	A		
2	12	96		



Instalación / Installation / Installation

SA-420 / SA-421

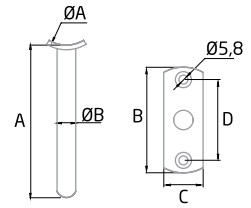




BG-R AISI-316

BA SATIN

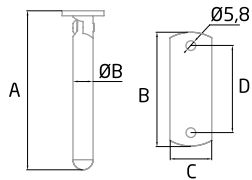
ØA	ØB	A	B	C	D
43	12	95	68	25	52
50,8	12	95	68	25	52



BF-R AISI-316

BA SATIN

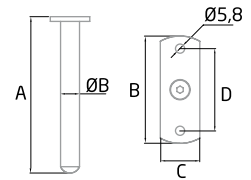
ØA	ØB	A	B	C	D
43	12	98	68	25	52
50,8	12	96	61,5	61,5	61,5



BG-FLAT AISI-316

BA SATIN

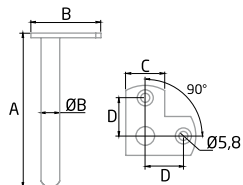
ØB	A	B	C	D
12	95	68	25	52



BF-FLAT AISI-316

BA SATIN

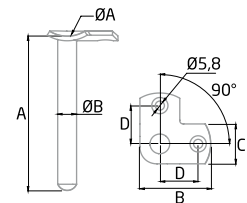
ØB	A	B	C	D
12	99	68	25	52



BF-C FLAT 90 AISI-316

BA SATIN

ØB	A	B	C	D
12	99	45	25	24,5

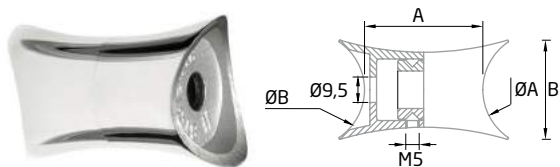


BF-C R 90 AISI-316

BA SATIN

ØA	ØB	A	B	C	D
43	12	98	45	25	24
50,8	12	98	45	25,5	24





ST-312 AISI-316

BA SATIN

	$\varnothing A$	$\varnothing B$	A	B
2	43	43	44	37
2	50,8	50,8	44	37

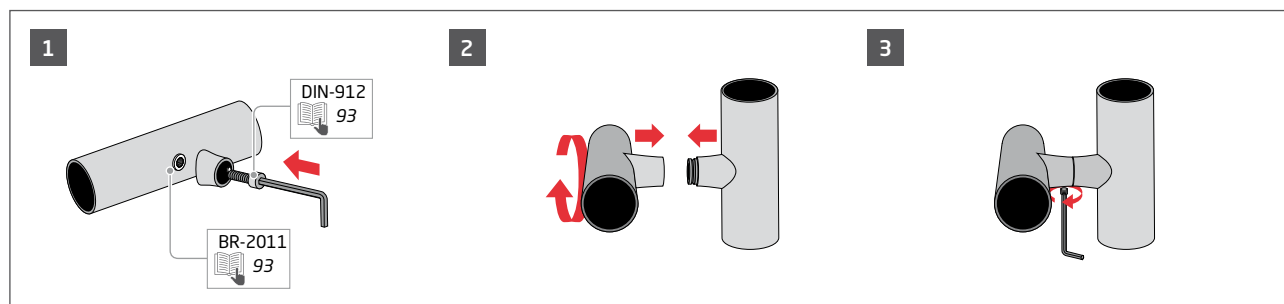
DIN-912 M-8 L-20 (Brico Pag. 92)

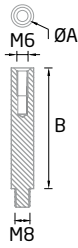
BR-2011 M-8 (Brico Pag. 93)



Instalación / Installation / Installation

ST-312

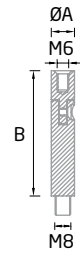




ST-380 AISI-316

BA SATIN

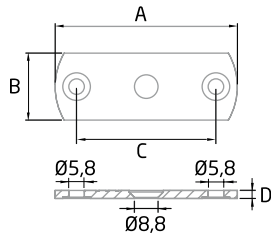
2	ØA	B
2	12	65



SA-480 AISI-316

BA SATIN

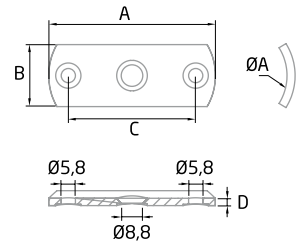
2	ØA	B
2	12	65



ST-390 AISI-316

BA SATIN

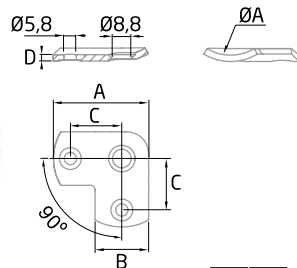
4	A	B
4	30	68,5



ST-391 AISI-316

BA SATIN

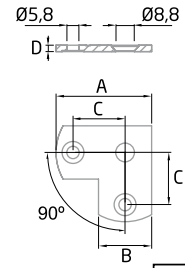
4	ØA	A	B	C	D
4	43	68	25	52	3
4	50,8	68	25	52	3



ST-392 90° AISI-316

BA SATIN

4	ØA	A	B	C	D
4	43	45	25	24	3
4	50,8	45	25,5	24	3

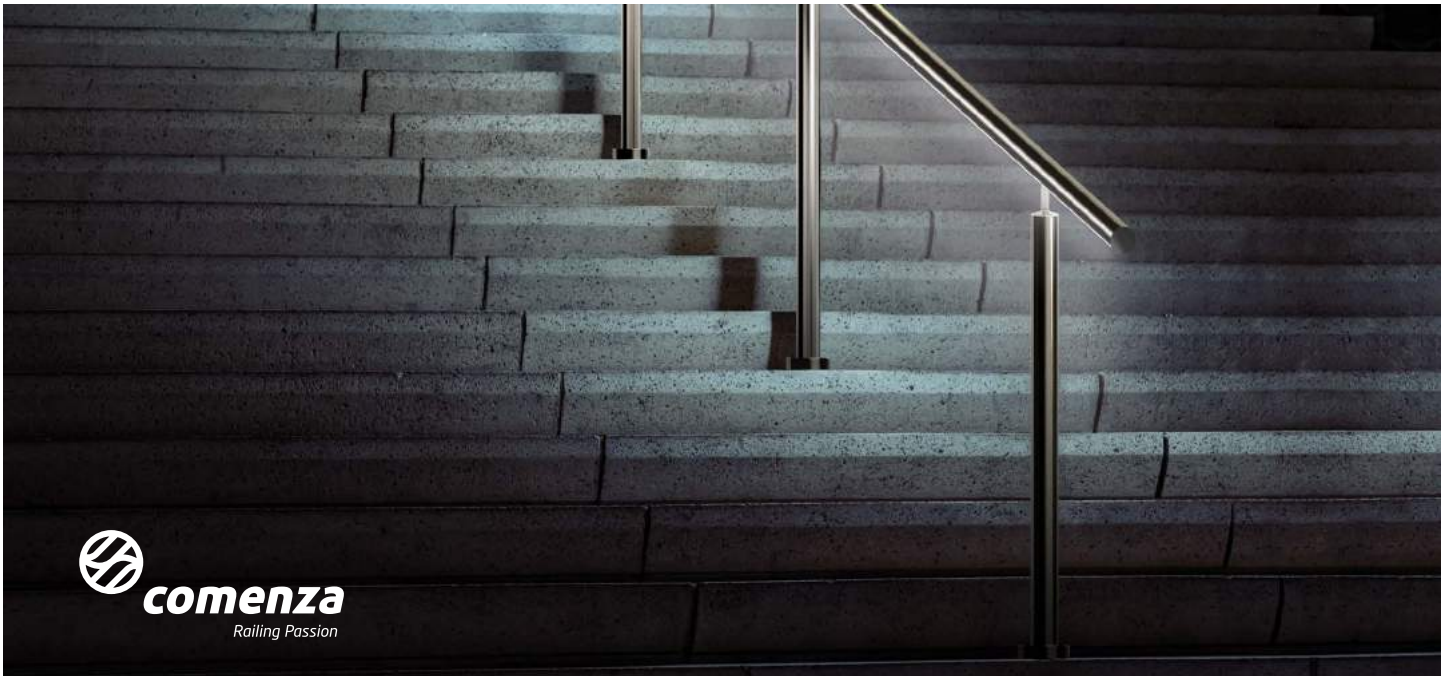


ST-393 AISI-316

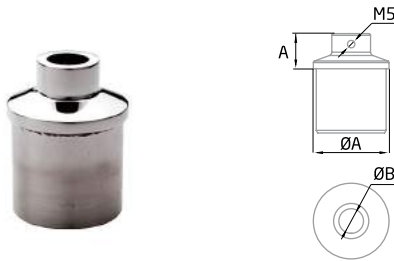
BA SATIN

4	A	B	C	D
4	45	25	24,5	3





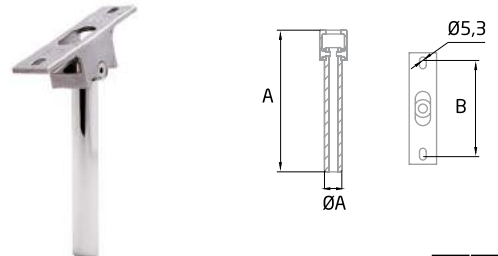
 **comenza**
Railing Passion



SA-418 AISI-316

BA SATIN

	ØA	ØB	A	E*
2	43	14	20	1,5



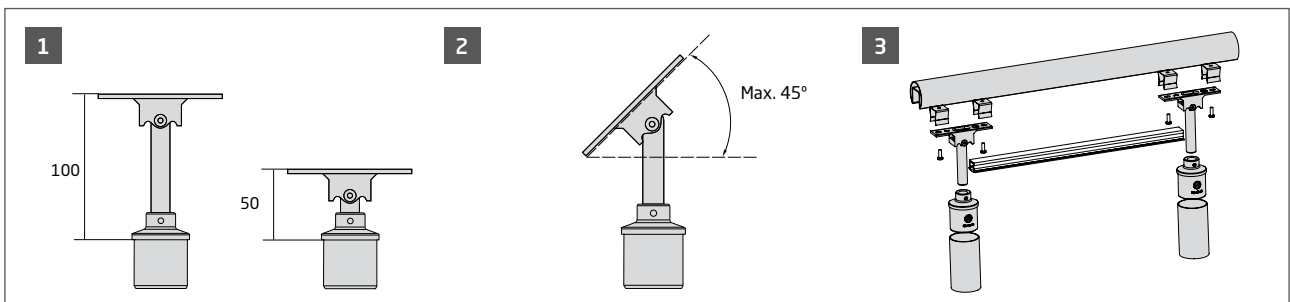
BG-01 AISI-316

BA SATIN

	ØA	A	B
2	14	112	75

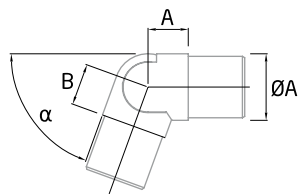


Instalación / Installation / Installation





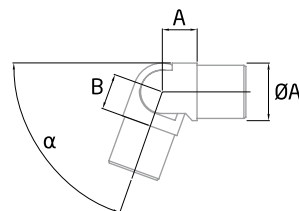
comenza
Rolling Passion



SA-406 AISI-316

BA SATIN

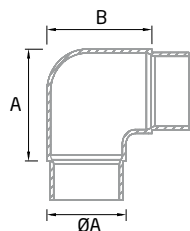
	ØA	A	B	E*	α
4	12	8	8	1	0-90°
4	20	13	13	1,5	0-70°



SA-409 AISI-316

BA SATIN

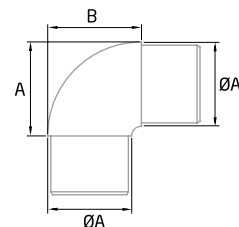
	ØA	A	B	E*	α
2	43	26	27	1,5	0-90°
2	50,8	32	32	1,5	0-90°



CT-200 AISI-316

BA SATIN

	ØA	A	B	E*
2	43	57	57	1,5
2	50,8	60	60	1,5

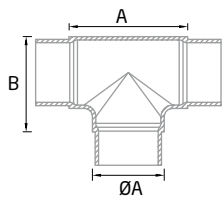


CT-201 AISI-316

BA SATIN


	ØA	A	B	E*
4	20	30	30	1,5
2	43	48	48	1,5
2	50,8	56	56	1,5

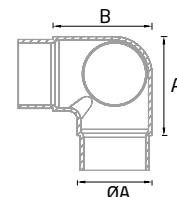




CT-202 AISI-316


BA SATIN

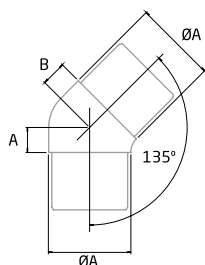
	ØA	A	B	E*
2	43	71	57	1,5
2	50,8	69	60	1,5



CT-205 AISI-316


BA SATIN

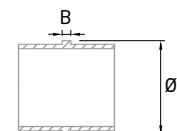
	ØA	A	B	E*
2	43	55	55	1,5
2	50,8	60	60	1,5



CT-206 AISI-316


BA SATIN

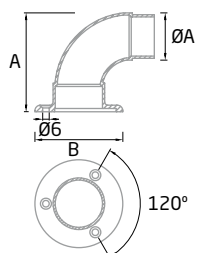
	ØA	A	B	E*
2	43	13	13	1,5
2	50,8	14,7	14,7	1,5



CT-207 AISI-316


BA SATIN

	ØA	B	E*
4	12	2	1
4	20	4	1,5
2	38,1	4	1,5
2	43	4	1,5
2	50,8	4	1,5

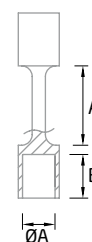


CT-208 AISI-316

BA SATIN

	ØA	A	B	E*
2	43	90	80	1,5
2	50,8	95	102	1,5

BR-2087 (Brico Pag. 98)

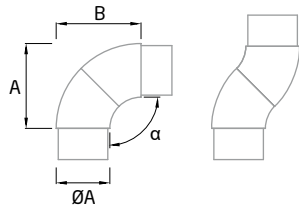


CT-209 AISI-316

BA SATIN

	ØA	A	B
4	12	30	16,5

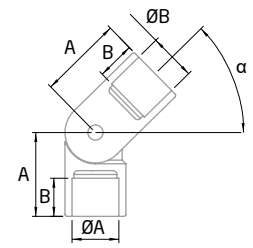




SA-402 AISI-316

BA SATIN

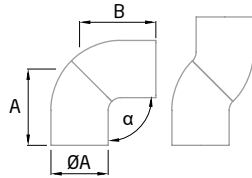
ØA	A	B	E*	α
2 43	55	55	1,5	90-180
2 50,8	75	75	1,5	90-180



SA-486 AISI-316

BA SATIN

ØA	ØB	A	B	α
4 12	12	22	10	0-90

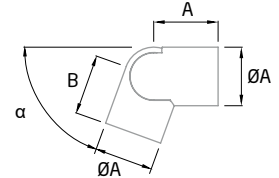


SA-412 AISI-304

BA SATIN

ØA	A	B	α
2 45	50	45	90-180

Pieza para pasamanos de madera
Part for wood handrail
Accessoire pour mains-courantes en bois

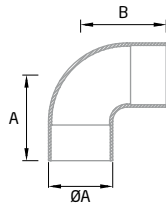


SA-413 AISI-304

BA SATIN

ØA	A	B	α
2 45	49,5	46,4	0-70

Pieza para pasamanos de madera
Part for wood handrail
Accessoire pour mains-courantes en bois

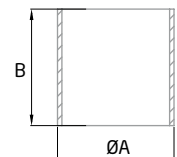


CT-215 AISI-304

BA SATIN

ØA	A	B
2 45	60	60

Pieza para pasamanos de madera
Part for wood handrail
Accessoire pour mains-courantes en bois



CT-216 AISI-304

BA SATIN

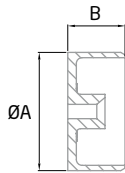
ØA	B
2 45	45

Pieza para pasamanos de madera
Part for wood handrail
Accessoire pour mains-courantes en bois





 **comenza**
Railing Passion

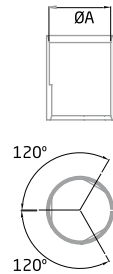


CT-217 AISI-304

BA

	$\varnothing A$	A
2	45	20

Pieza para pasamanos de madera
Part for wood handrail
Accessoire pour mains-courantes en bois



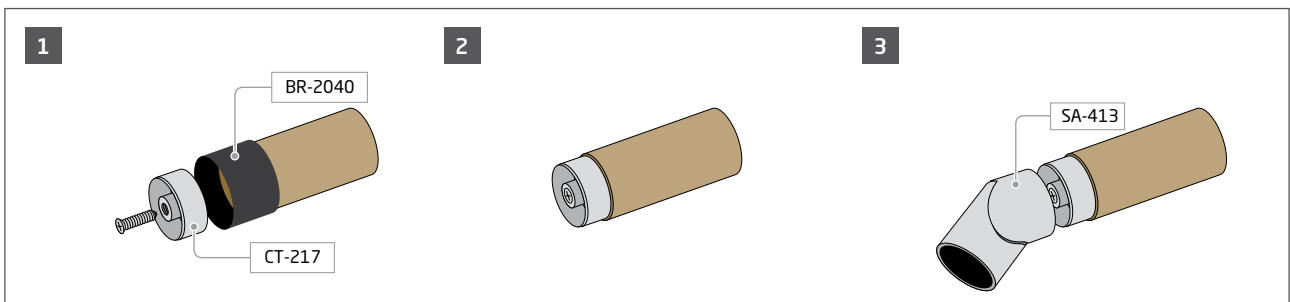
BR-2040

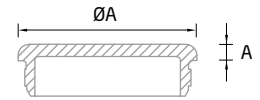
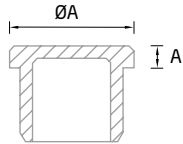
	$\varnothing A$
1	45

Pieza para pasamanos de madera
Part for wood handrail
Accessoire pour mains-courantes en bois

Instalación / Installation / Installation

BR-2040





TF-502 AISI-316

BA SATIN

	$\varnothing A$	A	E*
4	12	2	1
4	15	2	1,5
4	16	2	1,5
4	18	2	1,5
4	20	2	1,5
4	25	2	1,5
2	30	2	1,5
2	33	2	1,5
2	38,1	2	1,5
2	40	2	1,5
2	43	2	1,5
2	50,8	2	1,5
2	63,5	2	1,5

TF-507 AISI-316

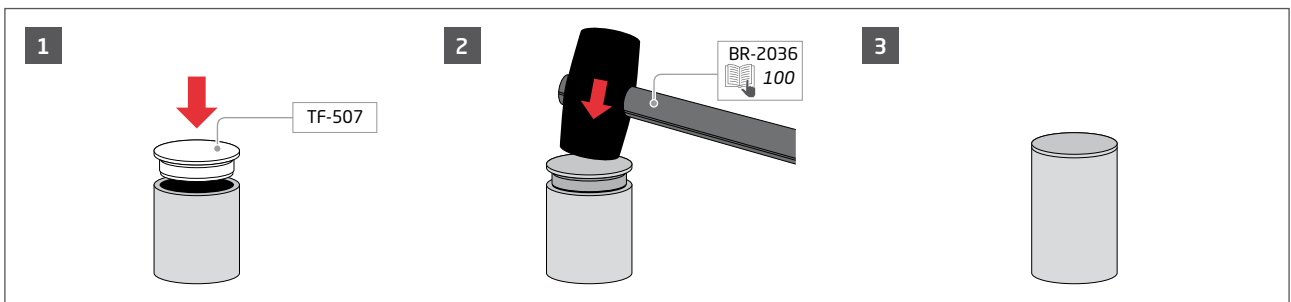
BA SATIN

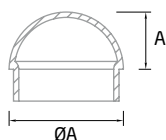
	$\varnothing A$	A	E*
2	43	4	1,5
2	50,8	4	1,5



Instalación / Installation / Installation

TF-507

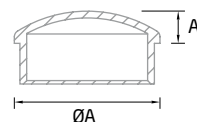




TF-501 AISI-316

BA SATIN

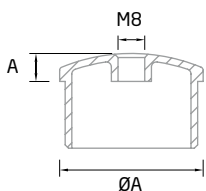
QTY	ØA	A	E*
2	43	21,5	1,5
2	50,8	25	1,5



TF-505 AISI-316

BA SATIN

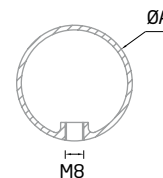
QTY	ØA	A	E*
2	43	9,5	1,5
2	50,8	12	1,5



TF-503 AISI-316

BA SATIN

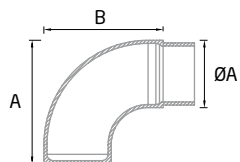
QTY	ØA	A	E*
2	43	8,4	1,5
2	50,8	8,4	1,5



TF-504 AISI-316

BA SATIN

QTY	ØA
2	50
2	70

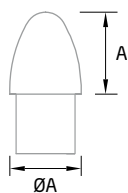


TF-506 AISI-316

BA SATIN

QTY	ØA	A	B	E*
2	50,8	83	80	1,5

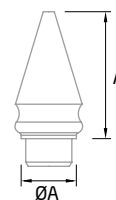




TF-508 AISI-316

BA SATIN

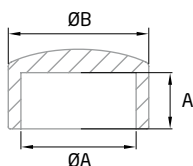
	$\varnothing A$	A	E*
4	12	14	1



TF-509 AISI-316

BA SATIN

	$\varnothing A$	A	E*
4	20	46	1,5

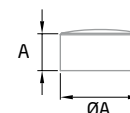


TF-510 AISI-316

BA SATIN

	$\varnothing A$	$\varnothing B$	A
4	12	15	6

Tapa para varilla
End cap for rods
Bouchon pour tige



TF-590 AISI-316

BA SATIN

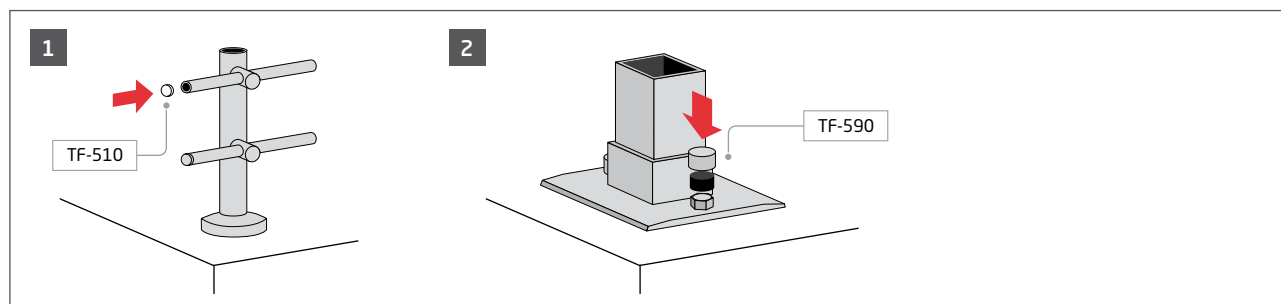
	$\varnothing A$	A	M
4	18	11	M8
4	22,5	13	M10

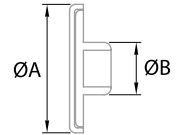
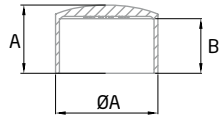
Tapa para cabeza de tornillo
End cap for screw head
Bouchon pour vis



Instalación / Installation / Installation

TF-510 / TF-590





TF-513 AISI-304

BA SATIN

	ØA	A	B
2	45	30	24

Pieza para pasamanos de madera
Part for wood handrail
Accessoire pour mains-courantes en bois



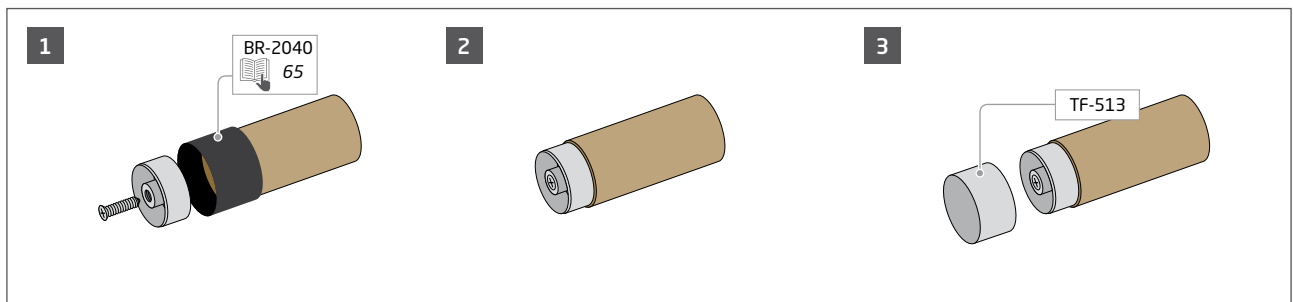
TF-595 AISI-316

BA SATIN

	ØA	ØB
16	13	5

Instalación / Installation / Installation

TF-513





Posibilidades de anclaje

Anchoring possibilities

Possibilités d'ancrage

- * Consultar idoneidad de usos según parámetros de instalación
Consult adequacy of uses according to installation parameters
Vérifier la pertinence de l'utilisations par rapport au paramètres d'installation
- ** Calidad recomendada de hormigón comprimido y traccionado C25/30
Recommended quality for uncracked/cracked concrete C25/30
Qualité recommandé du béton comprimé et en traction C25/30

SQUARE IT

HORMIGÓN COMPRIMIDO / UNCRACKED / BETÓN COMPRIMÉ

	Taco químico / Taco químico / Ancrage chimique		Anclaje metálico / Anchor bolt / Cheville métallique	
	FIS VS		FBN II	
	M-10*	M-12*	M-12	
BS-10 15	●			
SL-1111 16	●		●	
SL-1110 17	●	●	●	
SL-1130** 18	●			

*DIN-975 + DIN-934 + DIN-125 (Brico 96)

**DIN-975 + DIN-934 + DIN-125 (Incluido en el embalaje / Included in the packaging / Inclus dans l'emballage)






HORMIGÓN COMPRIMIDO - HORMIGÓN TRACCIONADO / CRACKED - UNCRACKED / BÉTON COMPRIMÉ - BÉTON EN TRACTION

	Taco químico / Chemical anchor / Ancrage chimique		Anclaje metálico / Anchor bolt / Cheville métallique	
	FIS VS		FAZ II	
	M-10*	M-12*	M-10	M-12
BS-10 15	●		●	
SL-1111 16	●			●
SL-1110 17	●	●		●
SL-1130** 18	●			

*DIN-975 + DIN-934 + DIN-125 (Brico 96)

**DIN-975 + DIN-934 + DIN-125 (Incluido en el embalaje / Included in the packaging / Inclus dans l'emballage)






R-CONCEPT**HORMIGÓN COMPRIMIDO / UNCRACKED / BETÓN COMPRIMÉ**

	Taco químico / Chemical anchor / Ancrage chimique			Anclaje metálico / Anchor bolt / Cheville métallique	
	FIS VS			FBN II	
	M-8	M-10	M-12	M-10	M-12
BS-00  39	●		●		
SA-451  40			●		
SL-1120**  41		●			
SL-1101  42		●		●	
SL-1100  43			●		●

*DIN-975 + DIN-934 + DIN-125 (Brico 96)

**DIN-975 + DIN-934 + DIN-125 (Incluido en el embalaje / Included in the packaging / Inclus dans l'emballage)

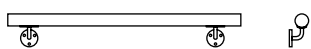
HORMIGÓN COMPRIMIDO - HORMIGÓN TRACCIONADO / CRACKED - UNCRACKED / BÉTON COMPRIMÉ - BÉTON EN TRACTION

	Taco químico / Chemical anchor / Ancrage chimique			Anclaje metálico / Anchor bolt / Cheville métallique	
	FIS VS			FAZ II	
	M-8	M-10	M-12	M-10	M-12
BS-00  39	●		●		
SA-451  40			●		
SL-1120**  41		●			
SL-1101  42		●		●	
SL-1100  43			●		●

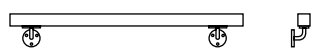
*DIN-975 + DIN-934 + DIN-125 (Brico 96)

**DIN-975 + DIN-934 + DIN-125 (Incluido en el embalaje / Included in the packaging / Inclus dans l'emballage)

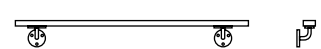
Handrail



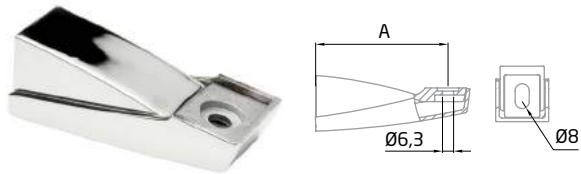
Sistema / System / Système
Handrail: Round



Sistema / System / Système
Handrail: Square



Sistema / System / Système
Handrail: Rectangular



ST-334 AISI-316

BA SATIN

	A	E*
2	75	1,5

BR-2012 (Brico Pag. 98)

DIN-7984 M-6 L-20 (Brico Pag. 92)

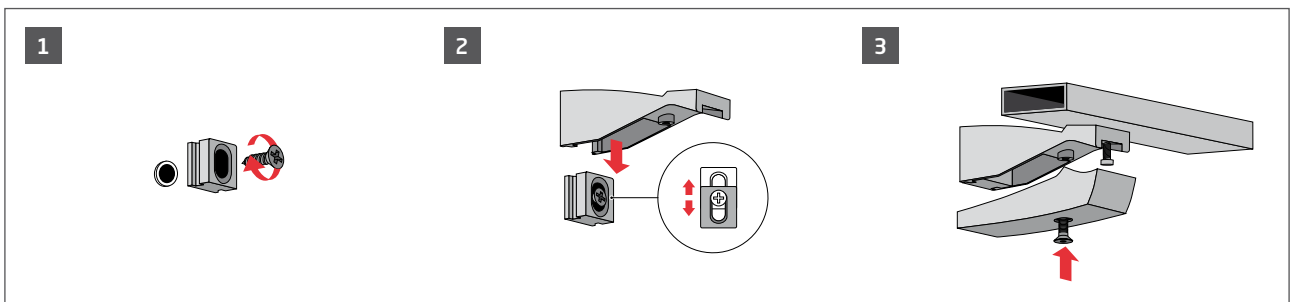
BR-2011 M-6 (Brico Pag. 93)

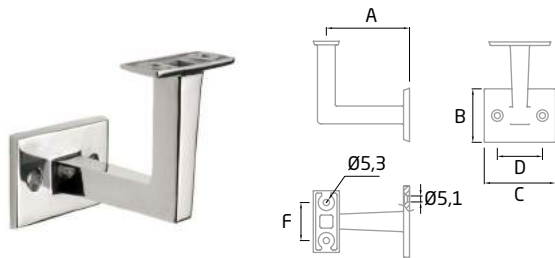
BR-2087 (Brico Pag. 98)



Instalación / Installation / Installation

ST-334





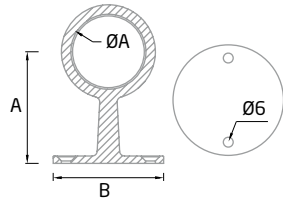
ST-335 AISI-316

BA SATIN

	A	B	C	D	F
	70	45	60	38	32

BR-2087 (Brico Pag. 98)



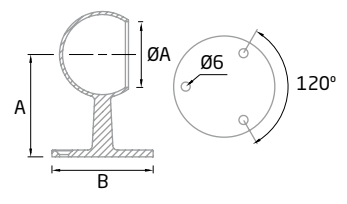


ST-304 AISI-316

BA SATIN

	ØA	A	B
2	43	68	67
2	50,8	78	80

BR-2087 (Brico Pag. 98)

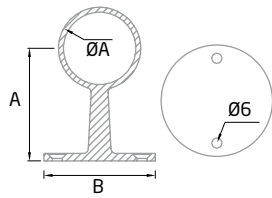


ST-305 AISI-316

BA SATIN

	ØA	A	B
2	43	68	67
2	50,8	78	80

BR-2087 (Brico Pag. 98)

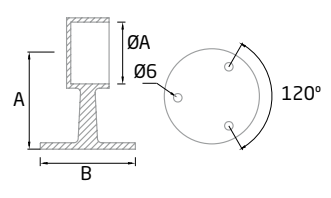


ST-306 AISI-316

BA SATIN

	ØA	A	B
2	43	72	69
2	50,8	83	63

BR-2087 (Brico Pag. 98)

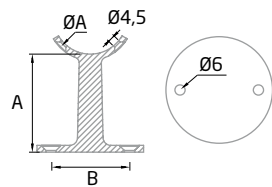


ST-307 AISI-316

BA SATIN

	ØA	A	B
2	43	72	69

BR-2087 (Brico Pag. 98)

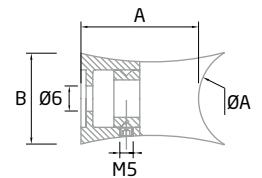


ST-311 AISI-316

BA SATIN

	ØA	A	B
2	43	57	62,5

BR-2087 (Brico Pag. 98)



ST-313 AISI-316

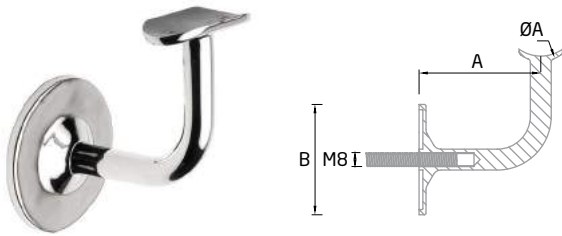
BA SATIN

	ØA	A	B
2	40	44	34

DIN-912 M-8 L-20 (Brico Pag. 92)

BR-2011 M-8 (Brico Pag. 93)

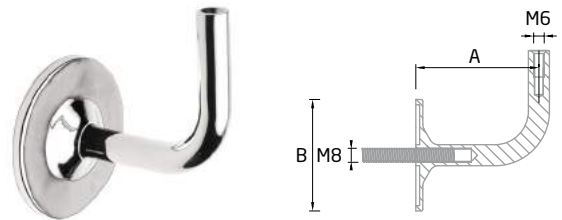




ST-340 AISI-316

BA SATIN

ØA	A	B
2 43	70	63
2 50,8	70	63



ST-350 AISI-316

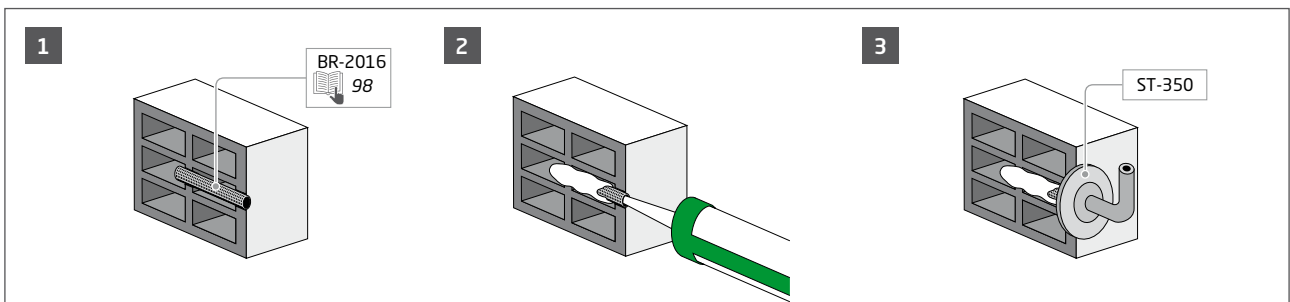
BA SATIN

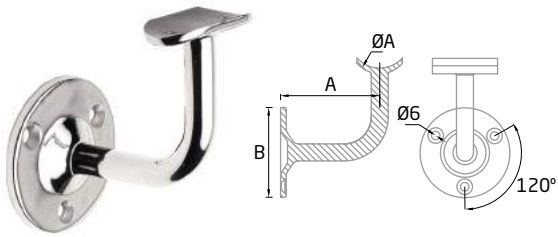
A	B
2 70	63



Instalación / Installation / Installation

ST-350



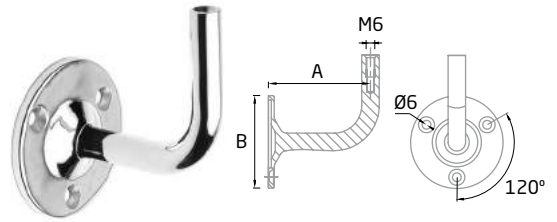


ST-303 AISI-316

BA SATIN

Q	ØA	A	B
2	43	70	63
2	50,8	70	63

BR-2087 (Brico Pag. 98)

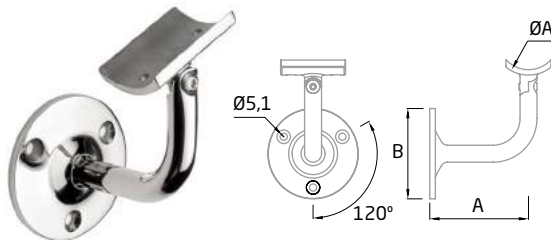


ST-351 AISI-316

BA SATIN

Q	A	B
2	70	63

BR-2087 (Brico Pag. 98)

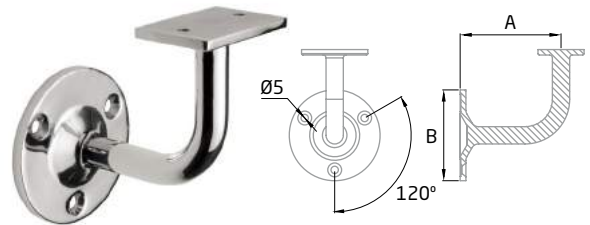


SA-410 AISI-316

BA SATIN

Q	ØA	A	B
2	43	70	63
2	50,8	70	63

BR-2087 (Brico Pag. 98)



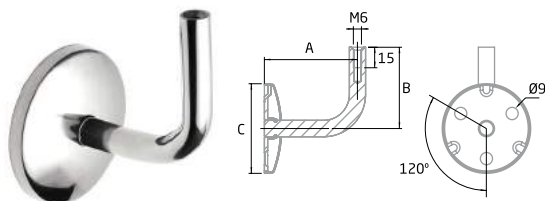
ST-316 AISI-316

BA SATIN

Q	A	B
2	70	63

BR-2087 (Brico Pag. 98)



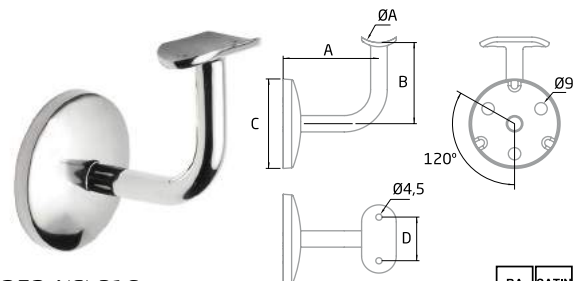


ST-352 AISI-316

BA SATIN

	A	B	C
2	69	59,5	66

BR-2012 (Brico Pag. 167)
BR-2087 (Brico Pag. 167)



ST-353 AISI-316

BA SATIN

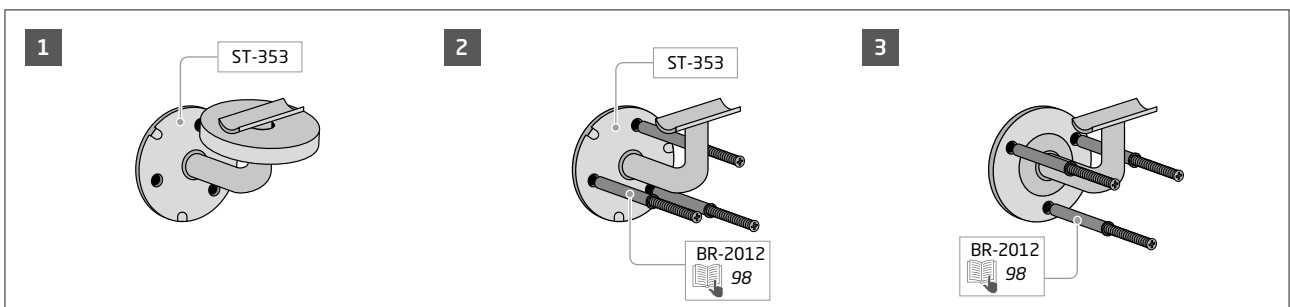
	ØA	A	B	C	D
2	43	69	59,5	66	32
2	50,8	69	59,5	66	32

BR-2012 (Brico Pag. 167)
BR-2087 (Brico Pag. 167)



Instalación / Installation / Installation

ST-353



El soporte está diseñado para posibilitar su fijación en un solo tiempo usando tacos premontados. Una vez finalizado el montaje y asegurado el soporte sobre la superficie de apoyo, se fija el embellecedor ejerciendo una pequeña presión sobre la base, quedando la goma oculta en su interior. [img.1]

Pasos de instalación con ST-353:

1. Taladrar de la pared
2. Colocación de pieza
3. Fijar el soporte a la pared con el taco premontado [img.2]

Pasos de instalación en soportes convencionales:

1. Taladrar de la pared
2. Colocar el tirafondo
3. Colocar de la pieza
4. Fijar el soporte [img.3]

This product has been designed to enable its fixing at once using nylon hammer drive anchor. Once the assembly is finished and the support is fastened on the support surface, the cover is placed pressing slightly on the base, and the rubber rests hidden inside. [img.1]

Installation steps with ST-353:

1. Drill the wall
2. Place the ST-353
3. Fix the support to the wall with the preassembled anchor [img.2]

Installation steps with traditional supports:

1. Drill the wall
2. Place the lag bolt
3. Fix the piece
4. Fix the support [img.3]

Ce support a été conçu pour faire possible la fixation d'un coup d'ancrages pré-assemblés du type de cheville en plastique. Quand le montage est fini et le support bien fixé à la surface d'appui, on fixe l'enjoliveur en exerçant une petite pression sur la base, en restant la caoutchouc torique cache dans l'intérieur. [img.1]

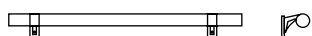
Installation avec le support ST-353:

1. On perce le mur
2. On place la ST-353
3. On fixe le support au mur avec l'ancrage pré-assemblé. [img.2]

Installation avec un support traditionnel:

1. On perce le mur
2. On place la vis tire-fond
3. On place la pièce
4. On fixe le support [img.3]

DecoLed

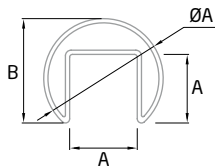


Sistema / System / Système

DecoLed



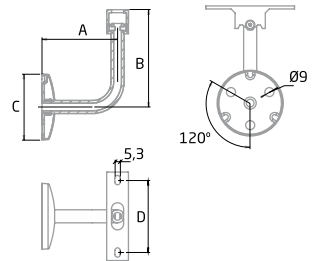
comenza
Railing Passion



RP-1400 AISI-316

BA SATIN

LG	ØA	A	B	E*
5000	42,4	24	37	1,5

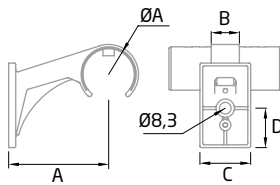


ST-346 AISI-316

BA SATIN

2	A	B	C	D
2	75	97	66	72

BR-2012 (Brico Pag. 167)



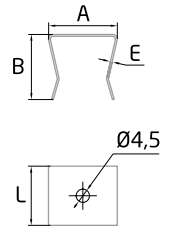
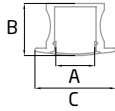
ST-345 AISI-316

BA SATIN

2	ØA	A	B	C	D
2	42,4	71	20	36	28

BR-2012 (Brico Pag. 98)





AL-01

SATIN

LG	A	B	C
2000	12	16	24

*QLTY: Aluminio / Aluminium / Aluminium

AL-00 AISI-304

	A	B	L	E*
10	23,2	22	20	0,6

DIN-912 M-4 L-6 (Brico Pag. 92)

BR-2011 M-4 (Brico Pag. 93)


Instalación / Installation / Installation

ST-346

1

Max. 45°

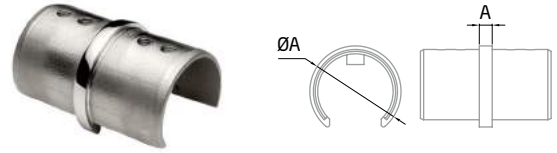
2

 2pcs por metro lineal
2pcs per linear meter
2pcs chaque mètre linéaire



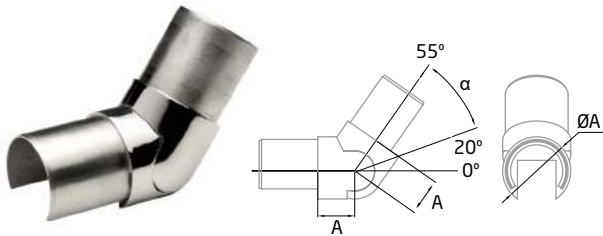
CT-211 AISI-316 BA SATIN

	$\varnothing A$	A	E^*
2	42,4	50	1,5



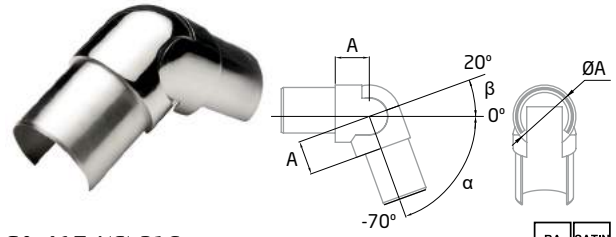
CT-212 AISI-316 BA SATIN

	$\varnothing A$	A	E^*
2	42,4	4	1,5



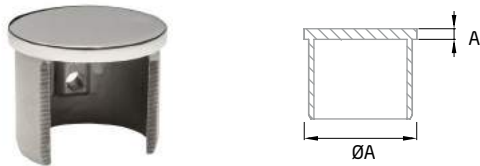
SA-416 AISI-316 BA SATIN

	$\varnothing A$	A	E^*	α
2	42,4	23	1,5	20-55°



SA-417 AISI-316 BA SATIN

	$\varnothing A$	A	E^*	α	β
2	42,4	23	1,5	0-70°	0-20°




TF-512 AISI-316 BA SATIN

	$\varnothing A$	A	E^*
2	42,4	3	1,5




**BR-2086-LEDS**


	m/box	V	W/m	Lm/m	Protection
1	5	24	14,4	1150	IP-65

Tira de leds. Color: blanco cálido
 Led strip. Colour: warm white
 Ruban LED. Couleur: blanc chaud

**SP-200**

	V (in)	V (out)	W	Protection
1	230	24	200	IP-20

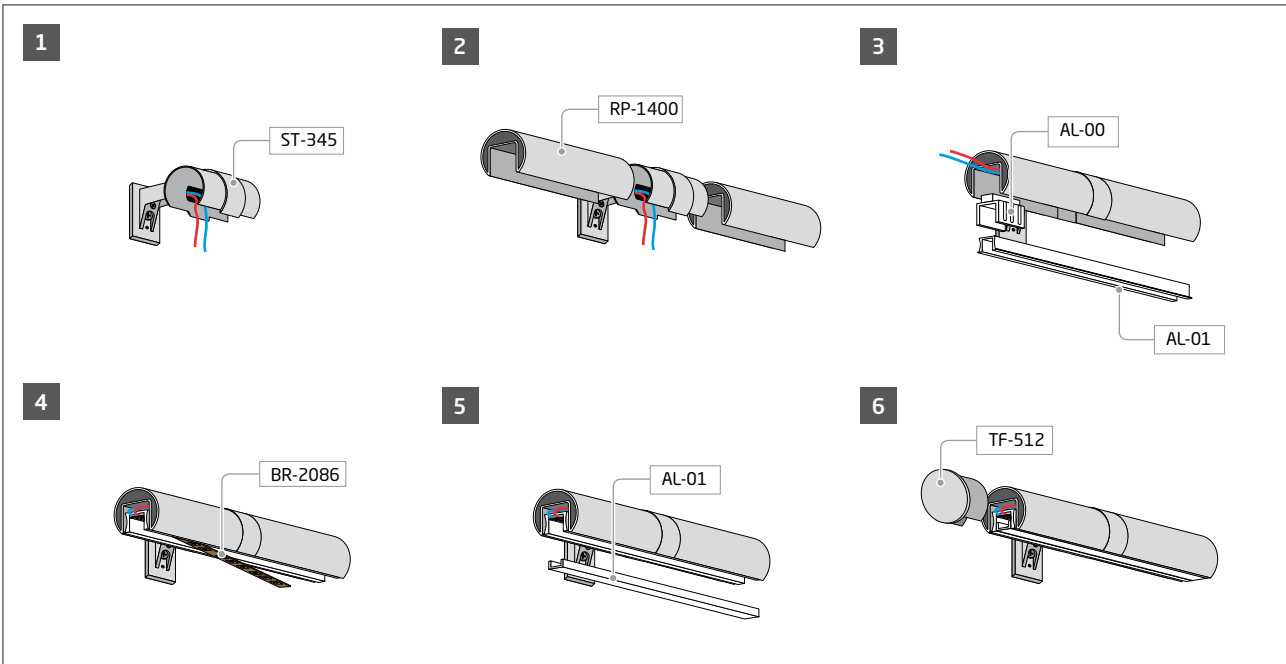
Fuente alimentación Decoled
 Decoled power source device
 Source d'énergie pour DecoLed

 Esquema de conexionado
 Wiring diagram
86 Schéma de câblage



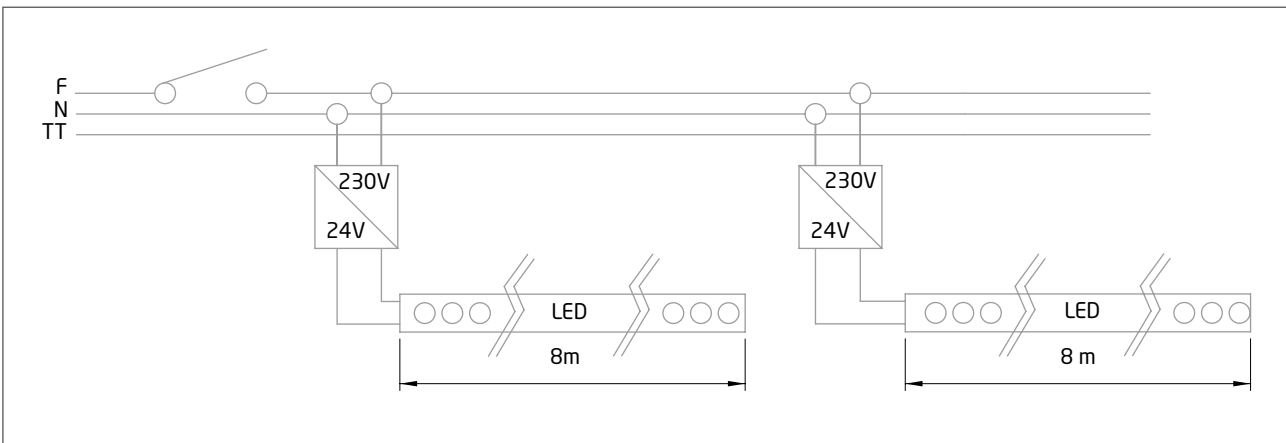
Instalación / Installation / Installation

DecoLed



Ver video de instalación en / Watch installation video at / Voir video d'installation à www.comenza.com

Esquema de conexionado / Wiring diagram / Schéma de câblage



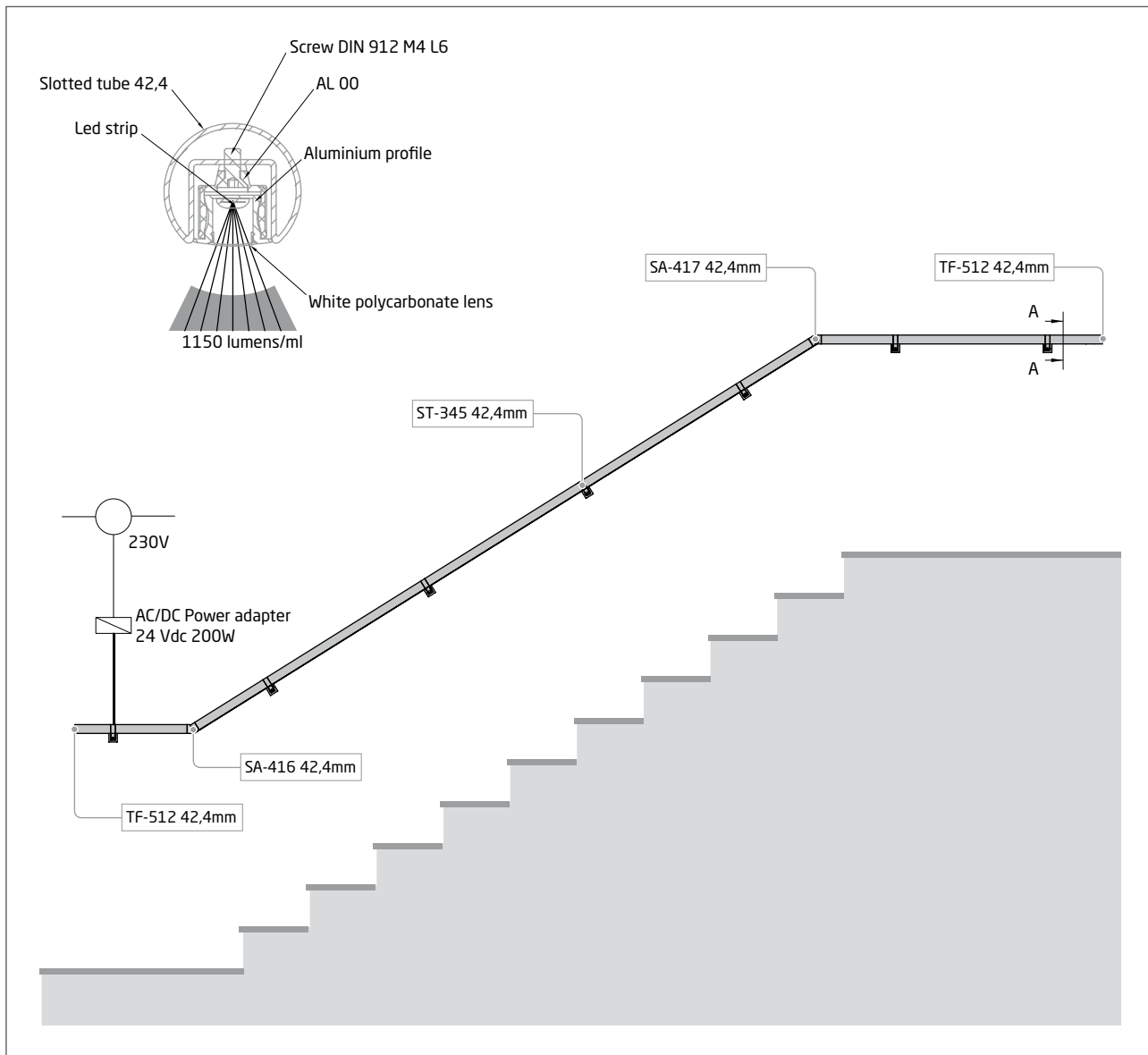
F	Fase Phase Phase		Interruptor Switch Interrupteur
N	Neutro Uncharged Neutre		Entrada a 230V / Salida 24V AC/DC Power adapter 24 Vdc 200W
TT	Toma de tierra Ground connection Mise a la terre		Tira de LED LED Strip Bande led

* NOTA: La longitud y cantidad máxima de tiras led a instalar para cada transformador, debe ser calculada por un técnico electricista cualificado en función de las condiciones particulares de cada instalación (esquema de conexión, longitud y sección de cables utilizado, etc).

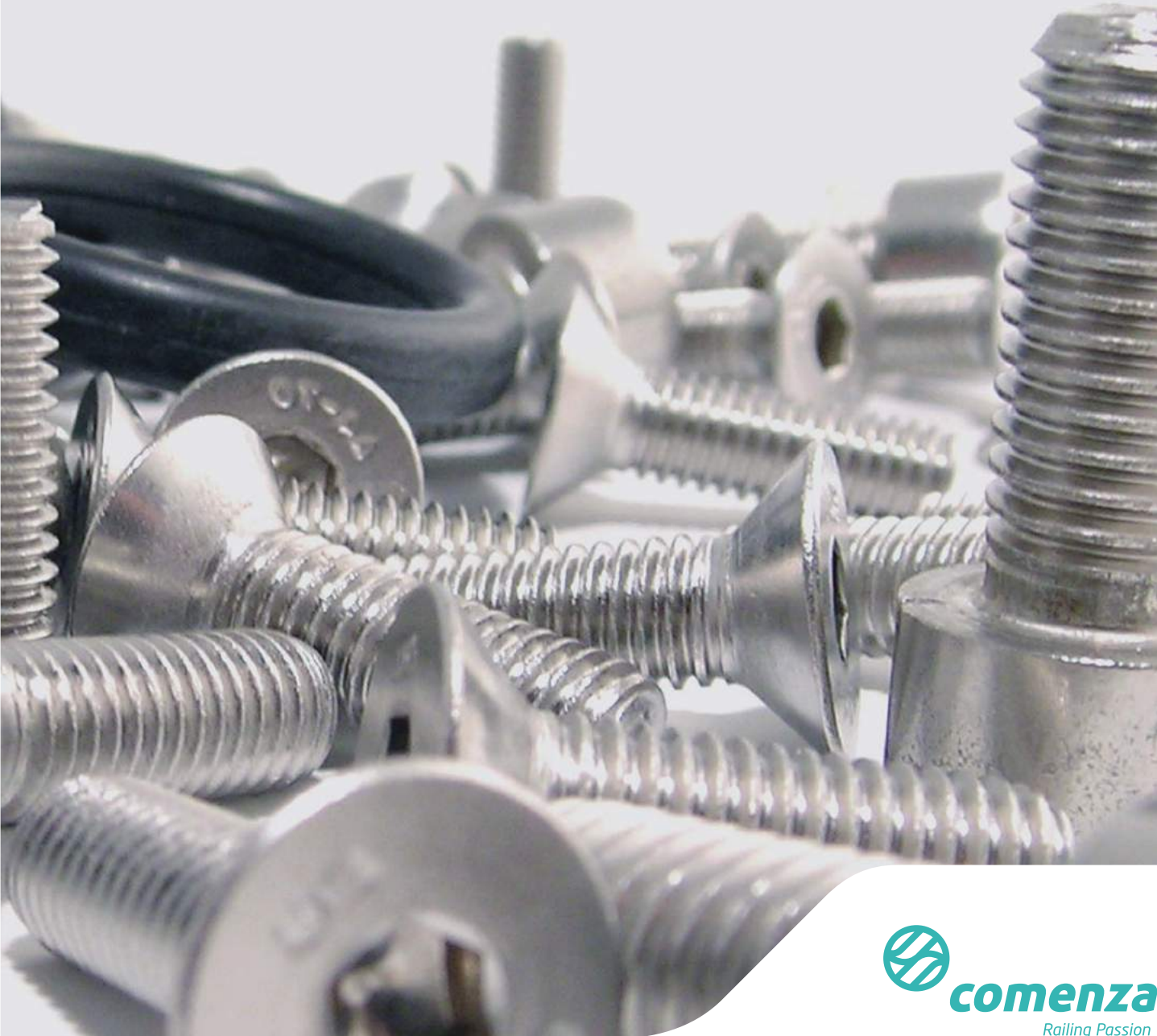
* NOTE: The length and maximum number of led strips to be installed for each transformer must be calculated by a qualified electrician based on the particular conditions of each installation (connection diagram, length and section of cables used, etc.)

* REMARQUE : La longueur et le nombre maximum de bandes LED à installer pour chaque transformateur doivent être calculés par un électricien qualifié en fonction des conditions particulières de chaque installation (schéma de connexion, longueur et section des câbles utilisés, etc.).

Posibilidades de suministro de PL-20 / PL-20 Supply possibilities / Possibilités de fourniture PL-20



Brico





FAST FIX GLUE (A-B 100ML)


1 kit

Duración aproximada / Estimated duration / Duration aproximative

ø50,8	ø43	ø38,1	ø20	ø12
40	50	60	120	150

Características FAST FIX GLUE

- Envase bicomponente A+B
- Tiempo de manipulación: 1 - 3 minutos.
- Resistencia funcional: 30 - 60 minutos.
- Resistencia final: 24 horas.
- Holgura (mm): mín. 0,05 - máx.0,50 (recomendada 0,10 - 0,30).
- Guardar en el recipiente original bien cerrado y a temperaturas entre 5°C y 25°C.

FAST-FIX GLUE characteristics:

- A+B Bi-component packaging
- Handling time: 1-3 minutes
- Functional resistance: 30-60 minutes
- Final resistance: 24 hours
- Clearance (mm): min. 0.05 - max. 0.50 (recommended: 0.10-0.30)
- Store in the original pack, tightly sealed and at the temperature between 5°C and 25°C

Caractéristiques FAST-FIX GLUE

- Flacon bicomposant A+B.
- Temps de manipulation : 1-3 minutes
- Résistance fonctionnelle : 30-60 minutes
- Résistance finale : 24 heures
- Espace (mm) : min. 0,05 - max. 0,50 (recommandé : 0,10 - 0,30)
- Conserver dans le récipient original, bien fermé et à températures entre 5°C et 25°C.



FIS MS PRO

BLACK


1

* Sellante-adhesivo
Sealant-adhesive
Scellement-adhésif



[esp]

El acero inoxidable aun siendo uno de los materiales más resistentes del mercado necesita de cuidados y mantenimientos que prolonguen su vida útil y para ello es importante utilizar los productos adecuados.

Desde Comenza ponemos a tu disposición dos productos que utilizados de manera correcta permitirán que tus barandillas de acero inoxidable luzcan en perfecto estado.

- **Clean+:** para limpieza rutinaria, mantenimiento periódico y eliminación de huellas.
- **Stain Zero:** para limpieza de manchas difíciles y marcas de oxidación.

[eng]

Even though stainless steel is one of the most resistant materials in the market, it needs care and maintenance, so its service life can be extended. For this reason, it is important to use the right products.

At Comenza we offer two products that, when used correctly, will allow your stainless steel railings to look always perfect.

- **Clean+:** for everyday cleaning, regular maintenance and fingerprints removal.
- **Stain Zero:** for the removal of difficult stain and rust marks.

[fra]

Bien que l'acier inoxydable soit un des matériaux les plus résistants du marché, il a besoin des soins et de l'entretien pour que sa vie utile soit plus longue. Pour cette fin, c'est important d'utiliser les produits adéquats.

Chez Comenza, nous offrons deux produits qui, employés correctement, permettront que votre garde-corps brille comme le premier jour.

- **Clean+:** pour le nettoyage habituel, l'entretien régulier et l'élimination d'empreintes.
- **Stain Zero:** pour l'élimination de taches difficiles et de marques d'oxydation.



CLEAN+ (500ml)

1

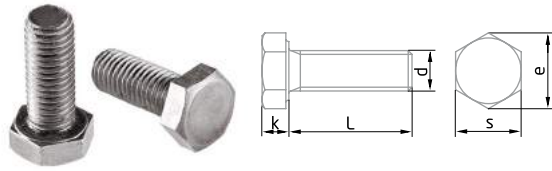
* Limpiador
Cleaner
Nettoyant



STAIN ZERO (500ml)

1

* Quitaóxido
Stain remover
Détachant



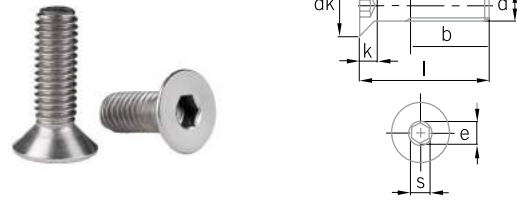
DIN-933

Qlty.	d	LG	K	e	s
100 CLASS 8.8/A2/A4	M10	30	6,4	18,9	17
100 CLASS 8.8/A2/A4	M12	30	7,5	21,1	19

M-10	Serie	Ref.
	SL	SL-1101, SL-1111

M-12	Serie	Ref.
	SL	SL-1100, SL-1110

* Usar con: RG MI + DIN 125 (Pag. 96)
 Use with RG MI + DIN 125 (Pag. 96)
 Utiliser avec: RG MI + DIN 125 (Pag. 96)

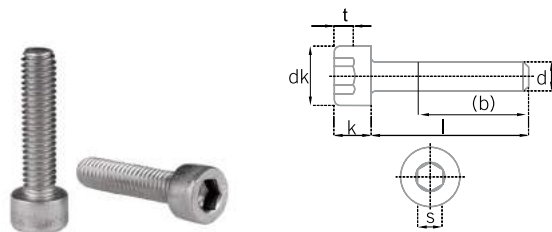


DIN-7991

Qlty.	d	LG	dK	K	e	S	B
50 A2/A4	M-6	25	12	3,3	4,7	4	18
50 A2/A4	M-6	40	12	3,3	4,7	4	18

M-6 L-25	Serie	Ref.
	ST	ST-320, ST-321, ST-322, ST-323, ST-325, ST-326, ST-328, ST-370

M-6 L-40	Serie	Ref.
	SA	SA-421



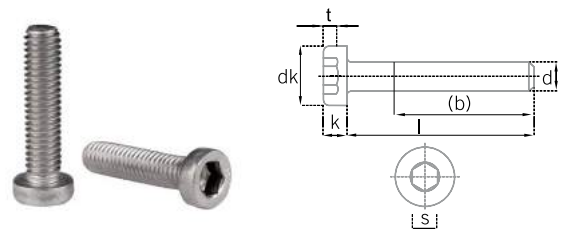
DIN-912

Qlty.	d	LG	dK	Kmax	S
50 A2	M-4	6	7	4	3
50 A2/A4	M-6	20	10	6	5
50 A2/A4	M-8	20	13	8	6

M-4	Serie	Ref.
	AL	AL-00

M-6	Serie	Ref.
	SA	SA-407
	ST	ST-309 43X20, ST-309 43X43, ST-309 50'8X20, ST-310 43X43

M-8	Serie	Ref.
	CC	CC-700, CC-701, CC-702, CC-703, CC-720, CC-721, CC-724, CC-725, CC-726, CC-727, CC-750, CC-751
	ST	ST-309 50'8X50'8, ST-310 50'8X50'8, ST-312, ST-313

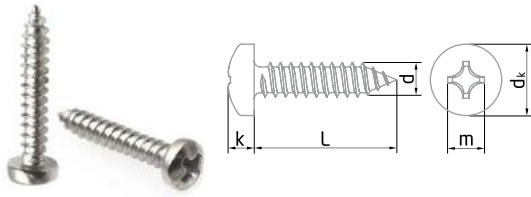


DIN-7984

Qlty.	d	LG	dK	K	S	t
50 A2/A4	M-6	20	10	4	4	3
50 A2/A4	M-8	30	13	5	5	3,8

M-6	Serie	Ref.
	ST	ST-334

M-8	Serie	Ref.
	CC	CC-759, CC-761

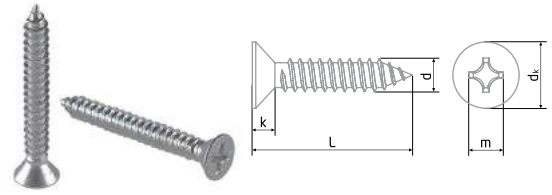

DIN-7981

Qlty.	d	LG	dK	k	m
50 A2	4,8	25	9,5	3,55	5,1
50 A2	6,3	60	12,5	4,5	7,1

D-4,8	Serie	Ref.
	BF	BFC-R 135°, BFC-R 90°, BF-R
	BG	BG-00, BG-R
	SA	SA-404, SA-449
	ST	ST-302, ST-319, ST-392, ST-394

D-6,3	Serie	Ref.
	AV	AV-610
	ST	ST-308, ST-333

* Uso con pasamanos de madera.
Use with wood handrail.
Utilisation avec mains-courantes en bois.


DIN-7982

Qlty.	d	LG	dk	k	m
50 A2/A4	3,9	25	7,5	2,3	4,6
50 A2/A4	6,3	60	12,4	3,8	7,1

D-3,9	Serie	Ref.
	SA	SA-410
	ST	ST-303, ST-311, ST-340, ST-353, ST-391

D-6,3	Serie	Ref.
	ST	ST-317, ST-334, ST-345

* Uso con pasamanos de madera.
Use with wood handrail.
Utilisation avec mains-courantes en bois.

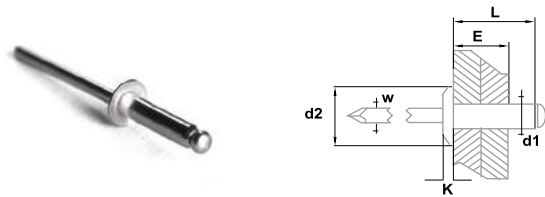

BR-2011

Qlty.	M
50 A2/A4	M-4
50 A2/A4	M-6
50 A2/A4	M-8

M-4	Serie	Ref.
	AL	AL-00

M-6	Serie	Ref.
	SA	SA-405, SA-421, SA-407
	SC	SC-800, SC-801
	ST	ST-308, ST-309 43X20, ST-309 43X43, ST-309 50,8X20, ST-320, ST-321, ST-322, ST-323, ST-325, ST-326, ST-328, ST-334, ST-370

M-8	Serie	Ref.
	CC	CC-700, CC-701, CC-702, CC-703, CC-720, CC-721, CC-724, CC-725, CC-726, CC-727, CC-750, CC-751, CC-759, CC-761, CC-768, CC-769
	ST	ST-309 50'8X50'8, ST-310 43X43, ST-310 50'8X50'8, ST-312, ST-313



BR-2015

Qlty.	M	LG
50 A2/A4	4	8
50 A2/A4	4,8	10

M-4	Serie	Ref.
	SA	SA-410
	ST	ST-303, ST-311, ST-316, ST-340, ST-353

M-4,8	Serie	Ref.
	SA	SA-404, SA-449
	BF	BFC-R 135°, BFC-R 90°, BF-R, BF-FLAT, BFC-FLAT 90, BFC-FLAT 135
	BG	BG-R, BG-FLAT
	ST	ST-302, ST-319, ST-335, ST-392, ST-393, ST-394, ST-395



DIN-1587

Qlty.	M
250 A2/A4	M-8
250 A2/A4	M-10
250 A2/A4	M-12

M-8	Serie	Ref.
	AV	AV-610

M-10	Serie	Ref.
	SL	SL-1101, SL-1111

M-12	Serie	Ref.
	SL	SL-1100, SL-1110



FIS VS

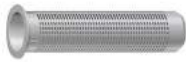

1

Serie	Ref.
BS	BS-00, BS-10, BS-20
SL	SL-1100, SL-1101, SL-1110, SL-1111, SL-1120, SL-1130, SL-1140
SA	SA-451



FIS SE


10



BR-2016


10

* Tamices plásticos
Plastic anchor sleeve
Tamis plastiques

**DIN-975**

	Qty.	M	LG	
1	CLASS 8.8/A2/A4	M-8	1000	ø10
1	CLASS 8.8/A2/A4	M-10	1000	ø12
1	CLASS 8.8/A2/A4	M-12	1000	ø14

M-8	Serie	Ref.
	BS	BS-00

M-10	Serie	Ref.
	BS	BS-10, BS-20
	SL	SL-1101, SL-1111, SL-1140

M-12	Serie	Ref.
	BS	BS-00 (Anclaje Central / Central anchorage / Ancreage Centrale)
	SL	SL-1100, SL-1110
	SA	SA-451

**DIN-934**

	Qty.	M	E*
250	CLASS 8/A2/A4	M-8	6,5
250	CLASS 8/A2/A4	M-10	8
250	CLASS 8/A2/A4	M-12	10

M-8	Serie	Ref.
	BS	BS-00

M-10	Serie	Ref.
	BS	BS-10, BS-20
	SL	SL-1101, SL-1111, SL-1140

M-12	Serie	Ref.
	BS	BS-00 (Anclaje Central / Central anchorage / Ancreage Centrale)
	SL	SL-1100, SL-1110
	SA	SA-451

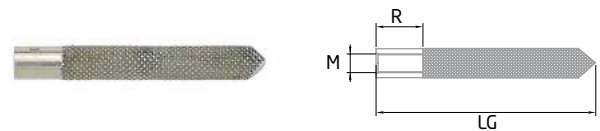
**DIN-125**

	Qty.	M	E*
250	STEEL /A2/A4	M-8	1,6
250	STEEL /A2/A4	M-10	2
250	STEEL /A2/A4	M-12	2,5

M-8	Serie	Ref.
	BS	BS-00

M-10	Serie	Ref.
	BS	BS-10, BS-20
	SL	SL-1101, SL-1111, SL-1140

M-12	Serie	Ref.
	BS	BS-00 (Anclaje Central / Central anchorage / Ancreage Centrale)
	SL	SL-1100, SL-1110
	SA	SA-451

**RG MI**

	Qty.	M	LG	R	
10	STEEL	M-6	75	16	ø12
10	STEEL / A4	M-8	90	18	ø14
10	A4	M-10	90	23	ø18
10	A4	M-12	125	26	ø20

M-6	Serie	Ref.
	SC	SC-800, SC-801



M-8	Serie	Ref.
	CC	CC-700, CC-702, CC-720, CC-724, CC-726, CC-750, CC-768

M-10	Serie	Ref.
	SL	SL-1101, SL-1111

M-12	Serie	Ref.
	SL	SL-1100, SL-1110



FAZ II



	Qty.	M	LG	E*	
25	STEEL / A4	M-10	105	20	ø10
20	STEEL / A4	M-12	120	20	ø12

M-10	Serie	Ref.
	BS	BS-10, BS-20
	SL	SL-1101

M-12	Serie	Ref.
	SL	SL-1100, SL-1110, SL-1111



FBN II



	Qty.	M	LG	E*	
25	STEEL/A4	M-10	96	20	ø10
20	STEEL/A4	M-12	116	20	ø12

M-10	Serie	Ref.
	BS	BS-20
	SL	SL-1101

M-12	Serie	Ref.
	SL	SL-1100, SL-1110, SL-1111





CH

	Qty.	M	LG	E*	
50	STEEL/A2	M-8	80	15	ø10
50	STEEL/A2	M-10	100	25	ø12





CH-PL

	Qty.	M	LG	E*	
50	STEEL/A2	M-10	100	25	ø12



MT

	Qty.	M	LG	E*	
50	STEEL/A2/A4	M-10	90	10	ø10
50	STEEL/A2/A4	M-10	150	10	ø10
50	STEEL/A2/A4	M-12	110	12	ø12



BR-2012

	Qty.	LG	E*	
50	STEEL/A4	80	10	ø8

Serie	Ref.
ST	ST-334, ST-345



BR-2018

	Qty.	LG	E*	
50	STEEL/A4	80	10	ø8

Serie	Ref.
AV	AV-610
ST	ST-308 43, ST-308 50,8, ST-333

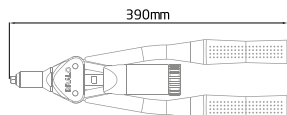


BR-2087

	Qty.	* øT	* P	
100	NYLON	4,5-6,0	50	ø8
100	NYLON	6,0-8,0	65	ø10

4,5-6,0	Serie	Ref.
	ST	ST-303, ST-304, ST-305, ST-306, ST-307, ST-311, ST-316, ST-335, ST-351, ST-353
	SA	SA-410
	CT	CT-208
	AV	AV-600, AV-601, AV-602

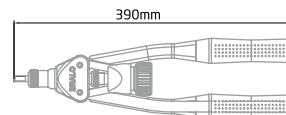
6,0-8,0	Serie	Ref.
	ST	ST-334, ST-345, ST-333, ST-308 43, ST-308 50,8
	AV	AV-610



BM-160

∅ mm	Aluminio Aluminium	Acero Iron / Acier	Stainless Steel	Cobre Cooper/Cuivre
4,0	✓	✓	✓	✓
4,8	✓	✓	✓	✓

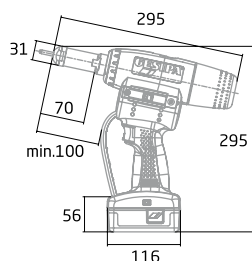
* Remachadora
Rivet gun
Riveteuse



TR-308

∅ mm	Aluminio Aluminium	Acero Iron / Acier	Stainless Steel
M-4	✓	✓	✓
M-6	✓	✓	✓
M-8	✓	✓	✓

* Remachadora de tuercas remachables
Nuts rivet gun
Riveteuse d'écroux



FIREBIRD PRO

∅ mm	Aluminio Aluminium	Acero Iron / Acier	Stainless Steel
M-4	✓	✓	✓
M-6	✓	✓	✓
M-8	✓	✓	✓

* Remachadora de tuercas remachables automática
Automatic rivet gun
Riveteuse automatique



BR-2060

 1

Ref.
FIS VS, FIS MS PRO

* Pistola para taco químico
Chemical anchor gun
Outil pour fixation chimique



BR-2075

 1

* Amoladora
Angle grinder
Meleuse



BR-2085

 Tallas / Size / Taille
1 par / pair / paire 6 / 7 / 8 / 9 / 10



BR-2036

1

Martillo
Hammer
Marteu



BR-2037

1

Llave dinamométrica 1/2" 30-150Nm Stahlwille
Torque wrench 1/2" 30-150Nm Stahlwille
Clé dynamométrique 1/2" 30-150Nm Stahlwille



BR-2033

1

Herramienta multiusos allen cabeza hexagonal
Allen hexagonal head multi-purpose tool
Outil multifonction allen à tête hexagonale



BR-2034

1

Juego de llaves allen-bola con cabeza corta 1,5-10
Allen-ball wrench set with short head 1,5-10
Jeu de clés allen-boule à tête courte 1,5-10



BR-2035

1

Juego de llaves allen-bola 1,5-10
Ball point hex wrench set 1,5-10
Jeu de clés allen à boule 1,5-10



BR-2073

1

Juego de brocas especial inox 1-13x0,5
Stainless steel drill bit set 1-13x0,5
Jeu de méches en acier inox 1-13x0,5



BR-2054



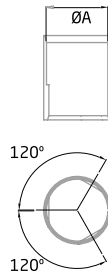
Multinivel
Multilevel
Multiniveau



BR-2064



Tenaza para cortar cable
Wire stripper
Tenaille coupe-câble



BR-2040



Centrador para pasamanos de madera
Centering tool for wood handrail
Outil pour centré pour mains-courantes en bois



BR-2051



Nivel medidor ángulos
Angle meter spirit level
Rapporteur d'angle niveau à bulle



BR-2070



Sierra cinta portátil
Portable belt saw
Scie à ruban portable



BR-2071



Cinta de sierra
Band Saw
Lames de scie à ruban



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Comenza, S.L.U.

Avda Benigno Rivera, 100
Pol. Ind. Ceao, 27003
Lugo - Spain
T +34 982 207 227
F +34 982 209 589

sales@comenza.com
www.comenza.com

