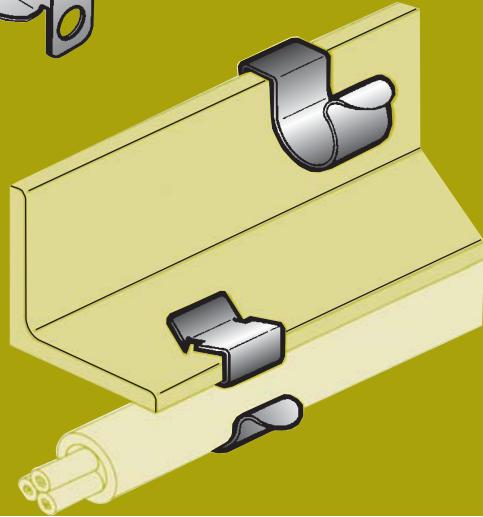
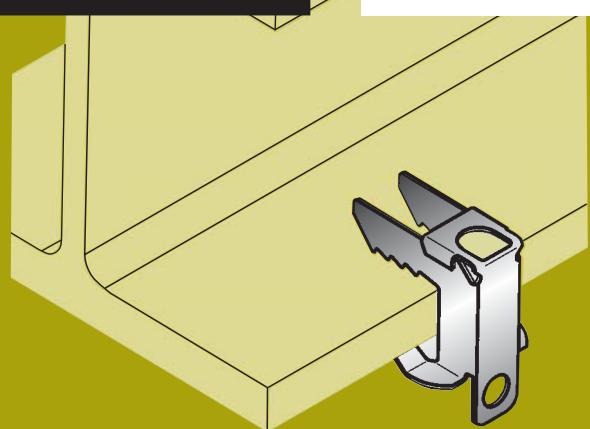
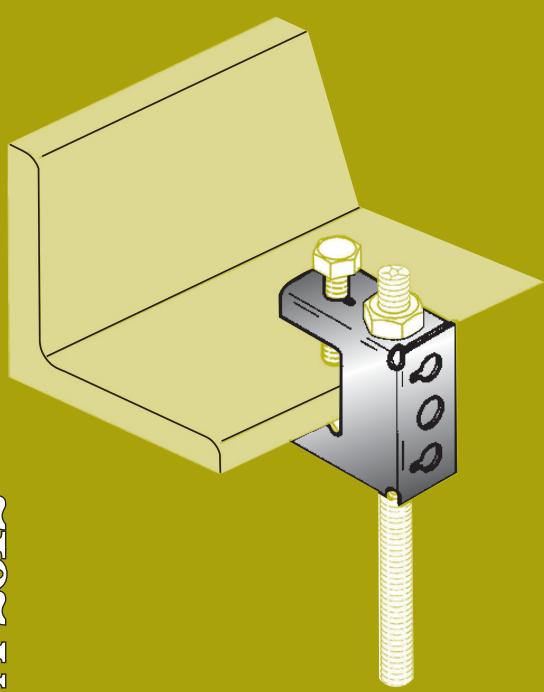


Elementos de fijación rápida
Elements de fixation rapide
Quick attachment devices
Schnellen befestigungselemente



Elementos de fijación rápida

Los elementos de fijación rápida SINARD constituyen la solución ideal para la unión de estructuras metálicas o de hormigón con otros elementos: Cables, tubos, bandejas, abrazaderas, falsos techos, etc.

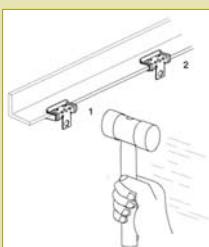
Se caracterizan por las siguientes ventajas:

RAPIDEZ: El montaje comporta un autentico ahorro de tiempo y dinero para los instaladores.

AMPLIA GAMA: Piezas combinadas para adaptarse a cualquier necesidad.

SEGURIDAD Y COMODIDAD: No es preciso taladrar la estructura metálica.

ACABADOS: Todos los elementos de fijación SINARD disponen de una capa anticorrosiva.



MODO DE EMPLEO

La colocación de los elementos de fijación es fácil y rápida, en la mayoría de los casos basta con un simple golpe de martillo.

CARGAS DE APLICACIÓN

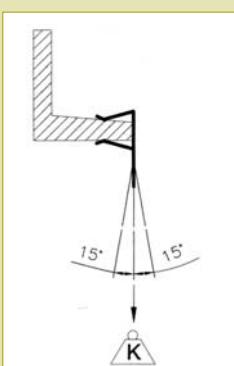
Los elementos de fijación SINARD se ensayan y comprueban, aplicándose un coeficiente de seguridad de 3.

Ej: Ensayos Sinard Positivos a 150 Kg = 50 Kg Catálogo

Los valores de carga expresadas se entienden como límites para cargas estáticas aplicadas verticalmente a la estructura o instalación.

Cuando las fijaciones se combinan entre sí, el valor de carga lo determina el elemento de menor capacidad.

Si la estructura a la que se cuelga la fijación tiene un valor de carga menor que la fijación, ésta determinará el valor de carga máxima a aplicar.



MATERIAL UTILIZADO

Acero al carbono para muelles según Norma DIN 17222(UNE-EN10132-4). Acero que después de un temple y revenido adquiere una dureza HRc 43÷50

PROTECCIÓN CONTRA LA CORROSIÓN

Color Negro

Para interiores y ambientes no corrosivos

Acabado Sinard

Para interiores, exteriores, ambientes húmedos o ligeramente corrosivos

- Recubrimiento no electrolítico, compuesto de láminas de zinc y de aluminio fijándose mediante reacción química sobre la superficie del acero.
- Recubrimiento no hidrogenante (sin electrólisis ni decapados ácidos)
- Conductividad eléctrica. Alta resistencia a la temperatura.
- Libre de cromo VI y cromo III. Valores de fricción reducidos.
- Alta protección contra la corrosión Protección catódica.
- Óptica: Gris - Plata

RESISTENCIA a la corrosión en cámara de niebla salina de hasta 480 h (DIN 50021).

NOTA

Debido a las mejoras industriales, S.A. SINARD se reserva el derecho a modificar el diseño de las fijaciones ilustradas respetando la característica de carga estática.

Elements de fixation rapide

Les éléments de fixation rapide SINARD constituent la solution idéale pour l'union de structures métalliques ou en béton avec d'autres éléments: Câbles, tubes, plateaux, colliers, plafonds suspendus, etc.

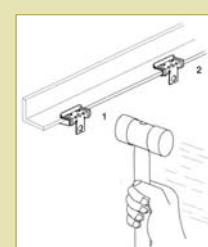
Ils se caractérisent par les avantages suivants :

RAPIDITÉ: Le montage représente une authentique économie de temps et d'argent pour les installateurs.

VASTE GAMME: Pièces combinées pour qu'elles s'adaptent à tout besoin.

SÉCURITÉ ET COMMODITÉ: Il n'est pas nécessaire de trouver la structure métallique.

FINITIONS: Tous les éléments de fixation SINARD sont recouverts d'une couche anticorrosive.



MODE D'EMPLOI

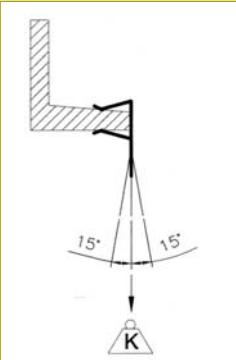
La pose des éléments de fixation est facile et rapide. Dans la majorité des cas, un simple coup de marteau suffit.

CHARGES D'APPLICATION

Les éléments de fixation SINARD sont testés et contrôlés, un coefficient de sécurité 3 étant appliqué.

Ex. : Tests Sinard Positifs à 150 Kg = 50 Kg Catalogue
Les valeurs de charge exprimées sont à interpréter comme limites pour des charges statiques appliquées verticalement à la structure ou à l'installation.

Quand les fixations sont combinées entre elles, la valeur de charge est déterminée par l'élément dont la capacité est la moins élevée.
Si la structure à laquelle est posée la fixation a une valeur de charge inférieure à celle de la fixation, celle-ci déterminera la valeur de charge maximale à appliquer.



MATÉRIAU UTILISÉ

Acier au carbone pour les ressorts selon la Norme DIN 17222(UNE-EN10132-4). Acier qui, après un trempage et un revenu, acquiert une dureté HRc 43÷50

PROTECTION ANTI CORROSIVE

Couleur Noir

Pour intérieurs et ambiances non corrosives.

Finition Sinard

Pour intérieur, extérieur, ambiances humides ou légèrement corrosives

- Revêtement non électrolytique, composé de feuilles de zinc et d'aluminium fixées au moyen d'une réaction chimique sur la surface de l'acier.
- Revêtement non hydrogénant (sans électrolyse ni décapages acides)
- Conductivité électrique. Haute résistance à la température.
- Sans chrome VI ni chrome III. Valeurs de friction réduites.
- Haute protection contre la corrosion. Protection cathodique.
- Optique : Gris - Argent

RÉSISTENCE à la corrosion en chambre de brouillard salin atteignant 480 h (DIN 50021).

NOTE

Grâce aux améliorations industrielles, S.A. SINARD se réserve le droit de modifier le dessin des fixations illustrées en respectant la caractéristique de charge statique.

Quick attachment devices

SINARD quick attachment devices are the ideal solution for joining metal or concrete structures with other elements: Cables, pipes, trays, clamps, false ceilings, etc.

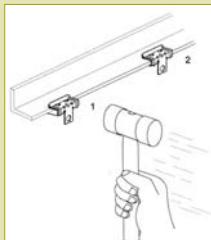
They are characterised by the following advantages:

SPEED: Assembly means real savings in time and money for installers.

WIDE RANGE: Parts combined to adapt to any requirement.

SAFETY AND COMFORT: It is not necessary to drill the metal structure.

FINISHES: All SINARD fixing elements have a rustproof layer.



INSTRUCTIONS FOR USE

It is easy and quick to fit the fixing elements, in most cases by simply using a hammer.

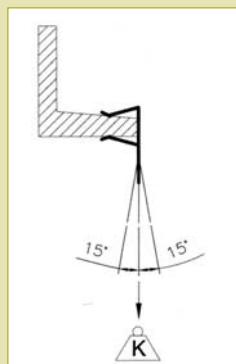
APPLICATION LOADS

SINARD fixing elements are tested and checked by applying a safety coefficient of 3.

E.g.: Sinard Positive tests at 150 Kg = 50 Kg Catalogue
The loads presented are understood as limits for static loads applied vertically to the structure or installation.

When the fixtures are combined, the load value is determined by the element with least capacity.

If the structure upon which the fixture is hung has a smaller load value than the fixture, it will be the structure that will determine the maximum load to be applied.



MATERIAL USED

Carbon steel for springs according to DIN 17222 (UNE-EN10132-4). Steel that after tempering and shrinking acquires a hardness of HRc 43÷50

ANTI- RUST SURFACE FINISH

Black colour

For interiors and non corrosive environments.

Sinard finishing

For interiors, exteriors, damp or slightly corrosive environments - Non electrolytic coating comprising zinc and aluminium layers fixed to the surface of the steel by chemical reaction.

- Non hydrogenating coating (without electrolysis or acid scaling)

- Electrical conductivity. High resistance to temperature.

- Free of chrome VI and chrome III. Low friction values.

High protection against cathodic corrosion.

- View: Silver grey

RESISTANCE to corrosion in saline mist for up to 480 hours (DIN 50021).

NOTE

Due to industrial improvements, S.A. SINARD reserves the right to modify the design of the illustrated fixtures while respecting the static load characteristic.

Schnellen befestigungselemente

Die schnellen Befestigungselemente von SINARD sind die perfekte Lösung für die Verbindung von Metall- oder Betonstrukturen mit anderen Elementen: Kabel, Rohre, Platten, Schellen, falsche Decken, etc.

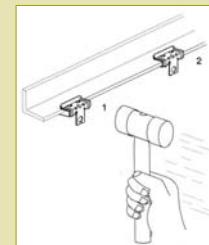
Sie bieten folgende Vorteile:

SCHNELLIGKEIT: Installateure sparen Zeit und Geld bei der Montage.

GROÙE VIELFALT: Kombinierte Teile, die sich jedem Bedarf anpassen.

SICHERHEIT UND BEQUEMLICHKEIT: Die Metallstruktur braucht nicht gebohrt zu werden.

ENDVERARBEITUNGEN: Alle SINARD Fixierelemente werden mit einer korrosionsschützenden Beschichtung versehen.



ANWENDUNG

Die Anbringung der Fixierelemente erfolgt schnell und einfach. In den meisten Fällen genügt ein einfacher Hammerschlag.

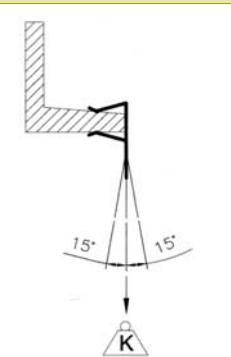
GELTENDE BELASTUNGSWERTE

SINARD Fixierelemente werden mit dem Sicherheitskoeffizient 3 getestet und geprüft.

Beispiel: Positive Sinard Prüfungen bei 150 Kg = 50 Kg im Katalog.

Die angegebenen Belastungswerte sind Grenzwerte für statische Lasten, die senkrecht auf die Struktur oder Anlage einwirken.

Wenn Fixierelemente miteinander kombiniert werden, wird der Belastungswert von dem Element mit geringerer Kapazität bestimmt. Wenn die Struktur an der das Fixierelement angebracht wird einen geringeren Belastungswert als das Fixierelement hat, ist die Struktur für die Angabe des Belastungshöchstwertes maßgebend.



INGESETZTES MATERIAL

Kohlenstoff-Federstahl nach DIN 17222 (UNE-EN10132-4). Gehärtet und angelassen auf HRc 43÷50

KORROSIONSSCHUTZ

Schwarze Farbe

Für Innenbereiche und nicht korrodierenden Umgebungen.

Sinard Endverarbeitung

Für Innen- und Außenbereiche, feuchte oder leicht korrodierenden Umgebungen

- Nicht-elektrolytische Beschichtung aus Zink- und Aluminiumlamellen, die durch chemische Reaktion auf die Stahlfläche haften.

- Nicht hydrierende Beschichtung (weder durch Elektrolyse noch durch Beizen mit Säure)

- Elektrische Leitfähigkeit. Hohe Temperaturfestigkeit.

- Kein Chrom-VI und Chrom-III Gehalt. Geringe Reibungswerte.

- Hoher Korrosionsschutz. Kathodischer Schutz.

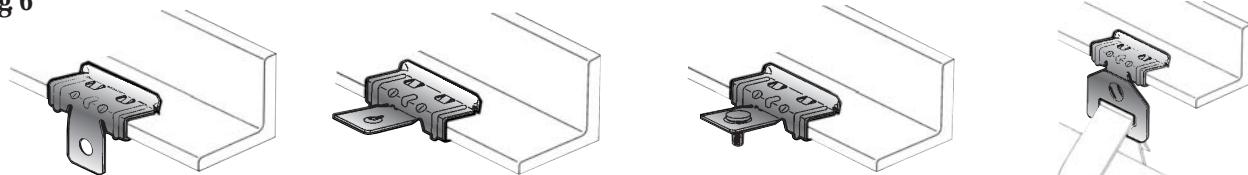
- Aussehen: Grau - Silber

KORROSIONSFEST in einer Salznebelkammer bis zu 480 h (DIN 50021).

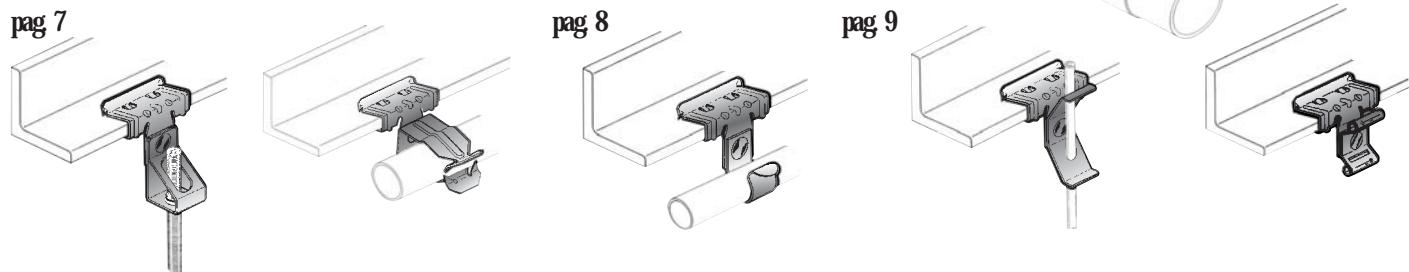
ANMERKUNG

Angesichts der ständigen Verbesserungen im Industriebereich, behält sich S.A. SINARD das Recht vor, das Design der hier gezeigten Fixierelemente zu ändern, jedoch unter Beibehaltung der Eigenschaften in Bezug zu der statischen Last.

pag 6

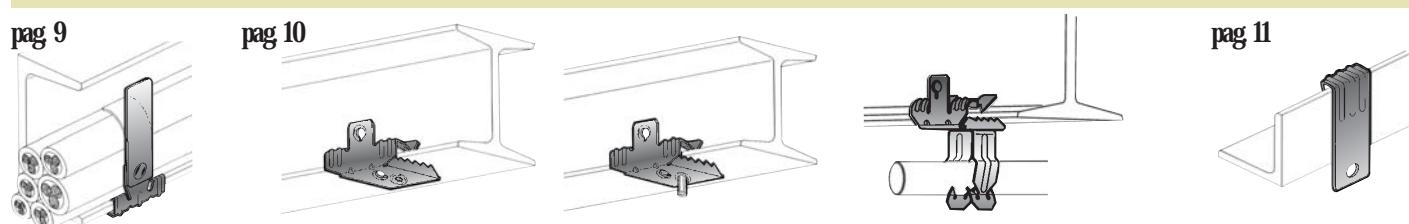


pag 7

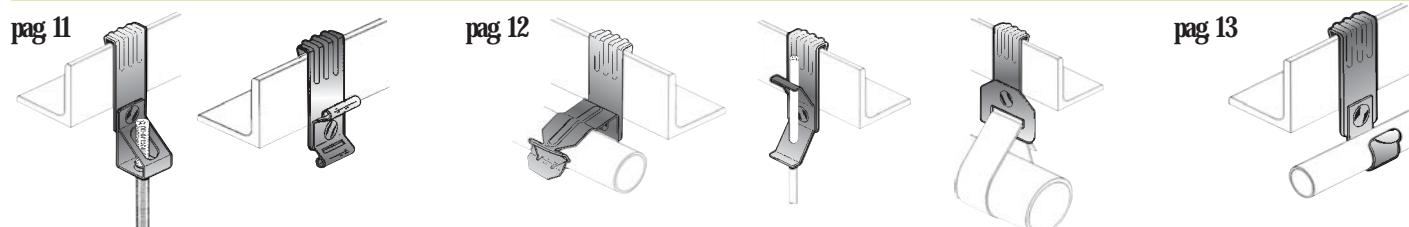


pag 8

pag 9

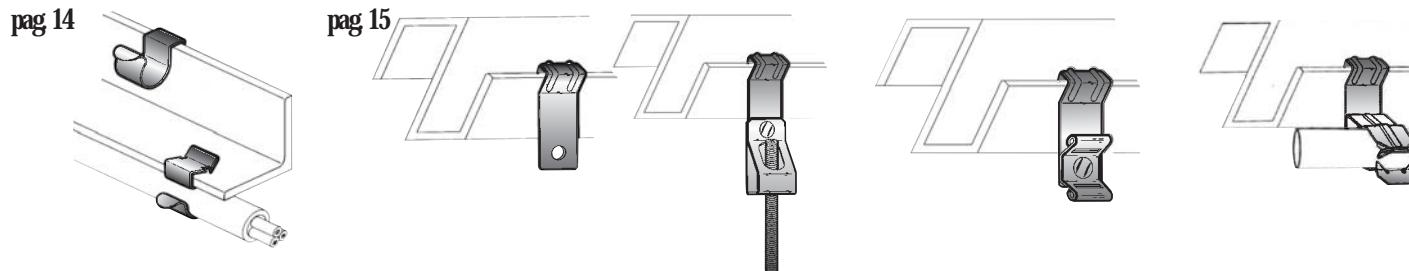


pag 10

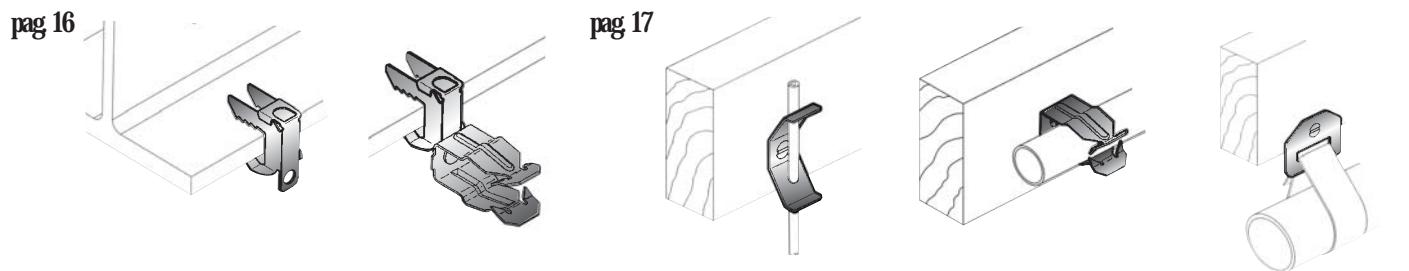


pag 12

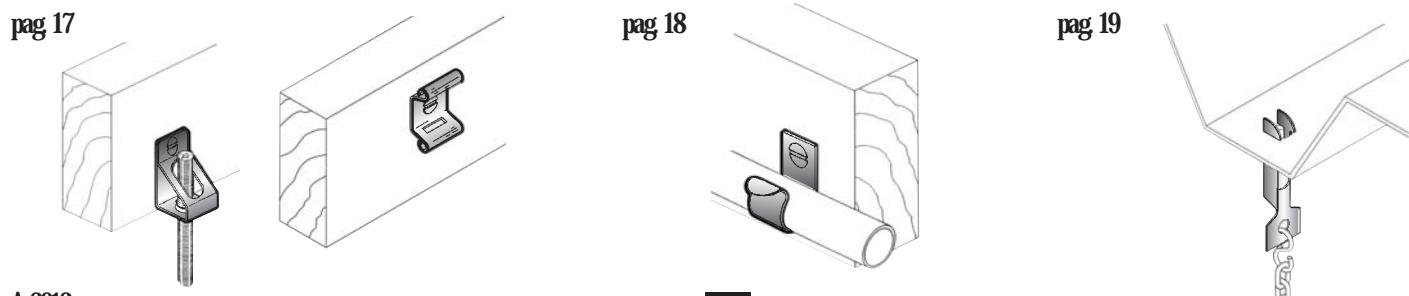
pag 11



pag 15



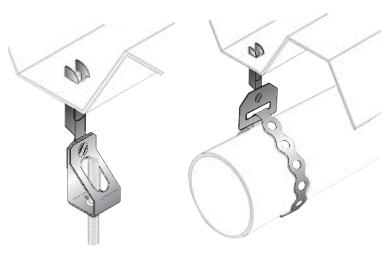
pag 17



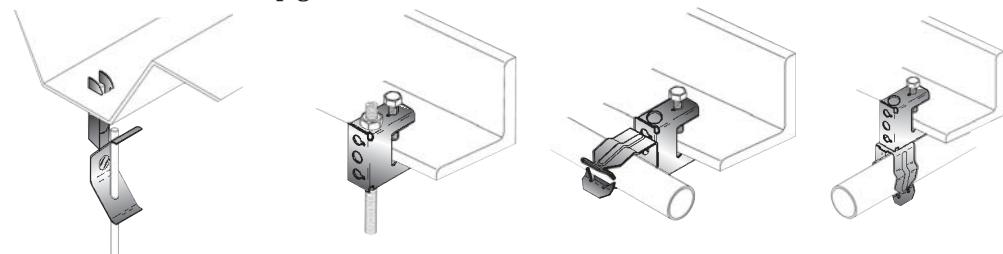
pag 18

pag 19

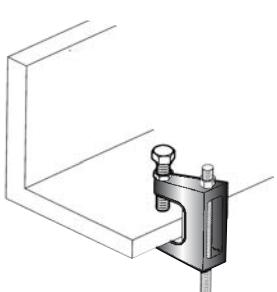
pag 19



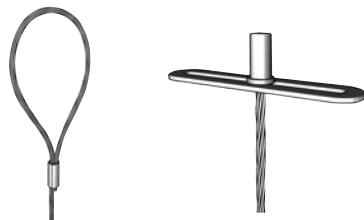
pag 20



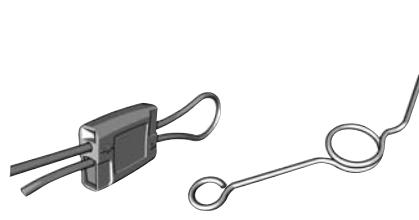
pag 21



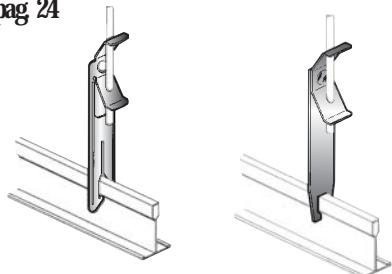
pag 22



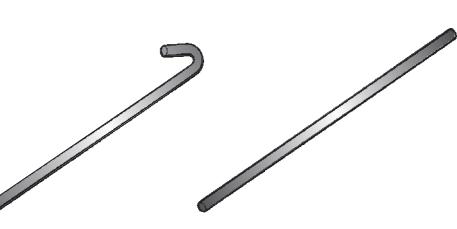
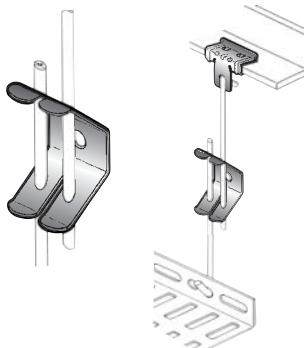
pag 23



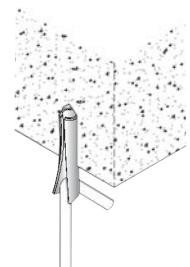
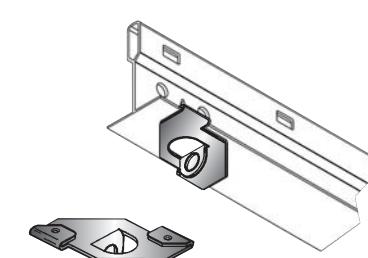
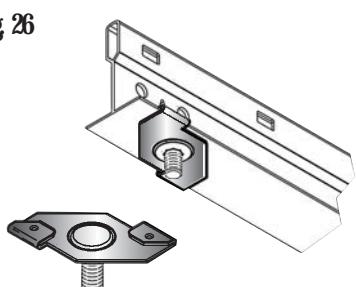
pag 24



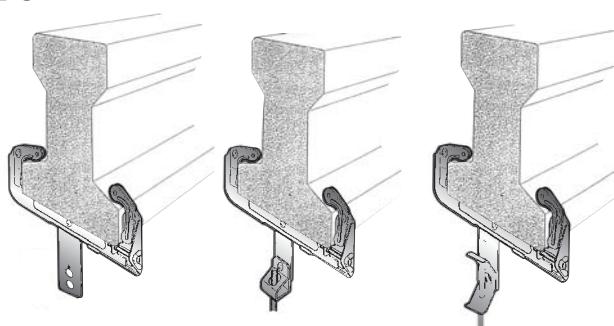
pag 25



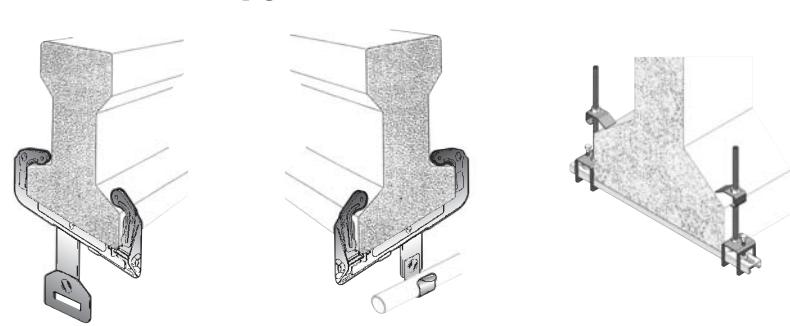
pag 26



pag 27



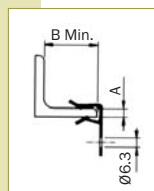
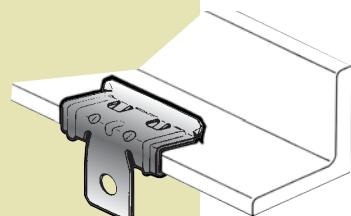
pag 28



Elementos de fijación rápida Elements de fixation rapide

Quick attachment devices Schnellen befestigungselemente

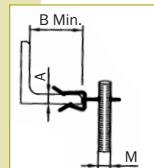
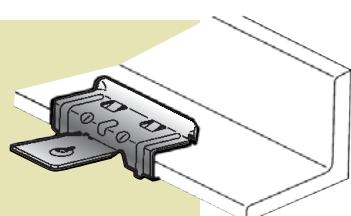
A mm.	B mm.	Kg.		Negro / Noire / Black / Schwarze Cód.	Ref.	€/100
1,5 - 4	18	70	100	10013001	100	25,00
4 - 10	25	90	100	10013002	101	35,20
10 - 15	25	90	100	10013003	102	38,90
15 - 20	25	90	100	10013004	103	42,40



Acabado / Finition / Finishing / Endverarbeitung: SINARD

1,5 - 4	18	70	100	1001300150	100 DT	32,50
4 - 10	25	90	100	1001300250	101 DT	45,70
10 - 15	25	90	100	1001300350	102 DT	50,70
15 - 20	25	90	100	1001300450	103 DT	55,20

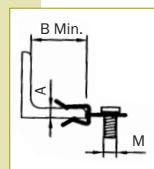
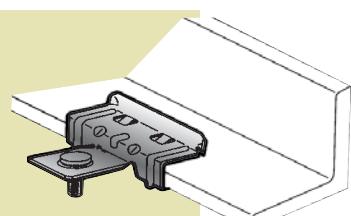
A mm.	B mm.	M	Kg.		Negro / Noire / Black / Schwarze Cód.	Ref.	€/100
4 - 10	18	M6	20	100	10013190	101 AP-R	59,80
10 - 15	25	M6	20	100	10013191	102 AP-R	64,80



Acabado / Finition / Finishing / Endverarbeitung: SINARD

4 - 10	18	M6	20	100	1001319050	101 AP-R DT	77,90
10 - 15	25	M6	20	100	1001319150	102 AP-R DT	84,30

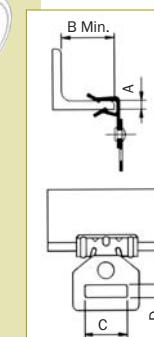
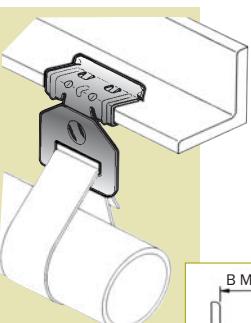
A mm.	B mm.	M	Kg.		Negro / Noire / Black / Schwarze Cód.	Ref.	€/100
4 - 10	18	M6x9	20	100	10013195	101 AP-T	80,20
10 - 15	25	M6x9	20	100	10013196	102 AP-T	88,60



Acabado / Finition / Finishing / Endverarbeitung: SINARD

4 - 10	18	M6x9	20	100	1001319550	101 AP-T DT	107,40
10 - 15	25	M6x9	20	100	1001319650	102 AP-T DT	115,20

A mm.	B mm.	CxD	Kg.		Negro / Noire / Black / Schwarze Cód.	Ref.	€/100
1,5 - 4	18	28 x 6,5	45	100	10013054	100-230	38,10
4 - 10	25	28 x 6,5	45	100	10013069	101-230	53,80
10 - 15	25	28 x 6,5	45	100	10013084	102-230	60,20
15 - 20	25	28 x 6,5	45	100	10013099	103-230	67,20

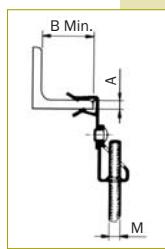
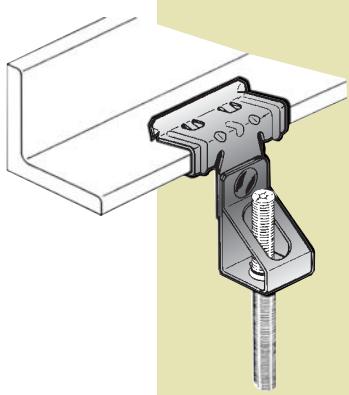


Acabado / Finition / Finishing / Endverarbeitung: SINARD

1,5 - 4	18	28 x 6,5	45	100	1001305450	100-230 DT	49,50
4 - 10	25	28 x 6,5	45	100	1001306950	101-230 DT	69,90
10 - 15	25	28 x 6,5	45	100	1001308450	102-230 DT	78,60
15 - 20	25	28 x 6,5	45	100	1001309950	103-230 DT	87,80

Elementos de fijación rápida Elements de fixation rapide

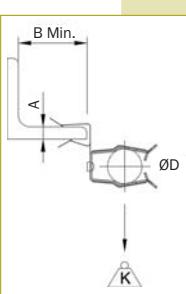
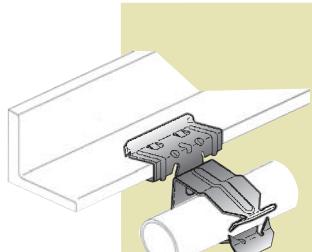
Quick attachment devices Schnellen befestigungselemente



A mm.	B mm.	M	Kg.		Negro / Noire / Black / Schwarze Cód. Ref. €/100
1,5 - 4	18	M6	70	100	10013049 100-210 65,20
1,5 - 4	18	M8	70	100	10013050 100-211 65,20
1,5 - 4	18	M10	70	100	10013051 100-212 65,20
4 - 10	25	M6	70	100	10013064 101-210 80,80
4 - 10	25	M8	70	100	10013065 101-211 80,80
4 - 10	25	M10	70	100	10013066 101-212 80,80
10 - 15	25	M6	70	100	10013079 102-210 84,60
10 - 15	25	M8	70	100	10013080 102-211 84,60
10 - 15	25	M10	70	100	10013081 102-212 84,60
15 - 20	25	M6	70	100	10013094 103-210 98,30
15 - 20	25	M8	70	100	10013095 103-211 98,30
15 - 20	25	M10	70	100	10013096 103-212 98,30

Acabado / Finition / Finishing / Endverarbeitung: SINARD

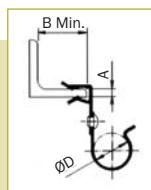
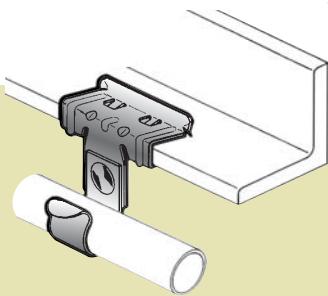
1,5 - 4	18	M6	70	100	1001304950	100-210 DT 84,70
1,5 - 4	18	M8	70	100	1001305050	100-211 DT 84,70
1,5 - 4	18	M10	70	100	1001305150	100-212 DT 84,70
4 - 10	25	M6	70	100	1001306450	101-210 DT 105,10
4 - 10	25	M8	70	100	1001306550	101-211 DT 105,10
4 - 10	25	M10	70	100	1001306650	101-212 DT 105,10
10 - 15	25	M6	70	100	1001307950	102-210 DT 109,90
10 - 15	25	M8	70	100	1001308050	102-211 DT 109,90
10 - 15	25	M10	70	100	1001308150	102-212 DT 109,90
15 - 20	25	M6	70	100	1001309450	103-210 DT 127,70
15 - 20	25	M8	70	100	1001309550	103-211 DT 127,70
15 - 20	25	M10	70	100	1001309650	103-212 DT 127,70



A mm.	B mm.	Ø D mm.	Kg.		Cód. Ref. €/100
Acabado / Finition / Finishing / Endverarbeitung: SINARD					
1,5 - 4	18	18 - 22	7	100	1001354350 100-280 DT 78,70
1,5 - 4	18	22 - 30	7	100	1001354450 100-281 DT 82,50
1,5 - 4	18	30 - 35	7	100	1001354550 100-282 DT 86,90
4 - 10	25	18 - 22	7	100	1001354650 101-280 DT 93,10
4 - 10	25	22 - 30	7	100	1001354750 101-281 DT 96,90
4 - 10	25	30 - 35	7	100	1001354850 101-282 DT 101,50
10 - 15	25	18 - 22	7	100	1001354950 102-280 DT 98,50
10 - 15	25	22 - 30	7	100	1001355050 102-281 DT 102,30
10 - 15	25	30 - 35	7	100	1001355150 102-282 DT 106,70
15 - 20	25	18 - 22	7	100	1001355250 103-280 DT 103,40
15 - 20	25	22 - 30	7	100	1001355350 103-281 DT 107,20
15 - 20	25	30 - 35	7	100	1001355450 103-282 DT 111,80

Elementos de fijación rápida Elements de fixation rapide

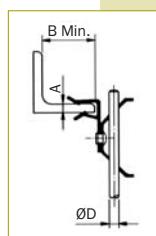
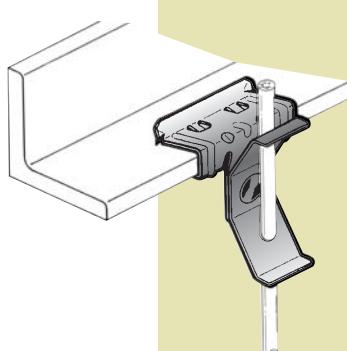
Quick attachment devices Schnellen befestigungselemente



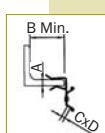
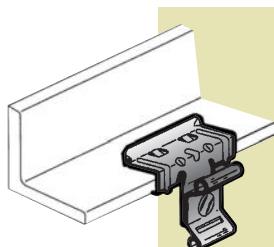
A mm.	B mm.	Ø D mm.		Negro / Noire / Black / Schwarze			Acabado / Finition / Finishing / Endverarbeitung: SINARD		
				Cód.	Ref.	€/100	Cód.	Ref.	€/100
1,5 - 4	18	12 - 14	100	10013056	100-310.1	46,00	1001305650	100-310.1 DT	59,80
1,5 - 4	18	15 - 18	100	10013057	100-312.1	49,30	1001305750	100-312.1 DT	64,60
1,5 - 4	18	19 - 24	100	10013058	100-314.1	52,40	1001305850	100-314.1 DT	68,20
1,5 - 4	18	25 - 30	100	10013059	100-316.1	54,60	1001305950	100-316.1 DT	71,00
1,5 - 4	18	31 - 35	100	10013060	100-317.1	57,10	1001306050	100-317.1 DT	74,20
1,5 - 4	18	36 - 40	100	10013061	100-318.1	64,80	1001306150	100-318.1 DT	84,30
1,5 - 4	18	41 - 45	100	10013062	100-319.1	67,10	1001306250	100-319.1 DT	87,20
1,5 - 4	18	46 - 50	100	10013063	100-320.1	69,40	1001306350	100-320.1 DT	90,30
4 - 10	25	12 - 14	100	10013071	101-310.1	62,80	1001307150	101-310.1 DT	81,70
4 - 10	25	15 - 18	100	10013072	101-312.1	66,10	1001307250	101-312.1 DT	85,90
4 - 10	25	19 - 24	100	10013073	101-314.1	69,20	1001307350	101-314.1 DT	90,00
4 - 10	25	25 - 30	100	10013074	101-316.1	71,40	1001307450	101-316.1 DT	92,80
4 - 10	25	31 - 35	100	10013075	101-317.1	73,90	1001307550	101-317.1 DT	96,00
4 - 10	25	36 - 40	100	10013076	101-318.1	81,60	1001307650	101-318.1 DT	106,00
4 - 10	25	41 - 45	100	10013077	101-319.1	83,80	1001307750	101-319.1 DT	109,00
4 - 10	25	46 - 50	100	10013078	101-320.1	86,20	1001307850	101-320.1 DT	112,20
10 - 15	25	12 - 14	100	10013086	102-310.1	66,70	1001308650	102-310.1 DT	86,50
10 - 15	25	15 - 18	100	10013087	102-312.1	70,00	1001308750	102-312.1 DT	91,10
10 - 15	25	19 - 24	100	10013088	102-314.1	73,10	1001308850	102-314.1 DT	95,00
10 - 15	25	25 - 30	100	10013089	102-316.1	75,30	1001308950	102-316.1 DT	98,00
10 - 15	25	31 - 35	100	10013090	102-317.1	77,80	1001309050	102-317.1 DT	101,10
10 - 15	25	36 - 40	100	10013091	102-318.1	85,50	1001309150	102-318.1 DT	111,10
10 - 15	25	41 - 45	100	10013092	102-319.1	87,80	1001309250	102-319.1 DT	114,10
10 - 15	25	46 - 50	100	10013093	102-320.1	90,10	1001309350	102-320.1 DT	117,20
15 - 20	25	12 - 14	100	10013101	103-310.1	74,70	1001310150	103-310.1 DT	96,80
15 - 20	25	15 - 18	100	10013102	103-312.1	78,70	1001310250	103-312.1 DT	102,40
15 - 20	25	19 - 24	100	10013103	103-314.1	82,40	1001310350	103-314.1 DT	107,20
15 - 20	25	25 - 30	100	10013104	103-316.1	85,10	1001310450	103-316.1 DT	110,50
15 - 20	25	31 - 35	100	10013105	103-317.1	88,10	1001310550	103-317.1 DT	114,40
15 - 20	25	36 - 40	100	10013106	103-318.1	97,20	1001310650	103-318.1 DT	126,40
15 - 20	25	41 - 45	100	10013107	103-319.1	100,00	1001310750	103-319.1 DT	130,00
15 - 20	25	46 - 50	100	10013108	103-320.1	102,90	1001310850	103-320.1 DT	133,80

Elementos de fijación rápida Elements de fixation rapide

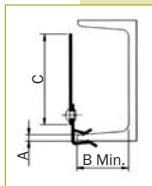
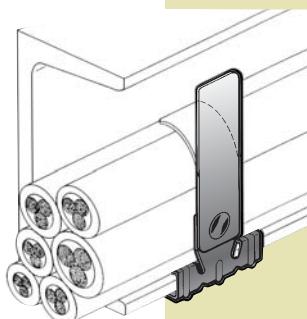
Quick attachment devices Schnellen befestigungselemente



A mm.	B mm.	Ø D mm.	Kg.	Negro / Noire / Black / Schwarze Cód.	Ref.	€/100
1,5 - 4	18	4	60	10013052	100-220	47,30
1,5 - 4	18	6	60	10013053	100-221	47,30
4 - 10	25	4	60	10013067	101-220	62,90
4 - 10	25	6	60	10013068	101-221	62,90
10 - 15	25	4	60	10013082	102-220	66,60
10 - 15	25	6	60	10013083	102-221	66,60
15 - 20	25	4	60	10013097	103-220	76,80
15 - 20	25	6	60	10013098	103-221	76,80
Acabado / Finition / Finishing / Endverarbeitung: SINARD						
1,5 - 4	18	4	60	1001305250	100-220 DT	61,40
1,5 - 4	18	6	60	1001305350	100-221 DT	61,40
4 - 10	25	4	60	1001306750	101-220 DT	81,80
4 - 10	25	6	60	1001306850	101-221 DT	81,80
10 - 15	25	4	60	1001308250	102-220 DT	86,60
10 - 15	25	6	60	1001308350	102-221 DT	86,60
15 - 20	25	4	60	1001309750	103-220 DT	99,80
15 - 20	25	6	60	1001309850	103-221 DT	99,80



A mm.	B mm.	Kg.	Negro / Noire / Black / Schwarze Cód.	Ref.	€/100	
Acabado / Finition / Finishing / Endverarbeitung: SINARD						
1,5 - 4	18	15	100	1001317150	100-250 DT	53,80
4 - 10	25	15	100	1001317250	101-250 DT	67,50
10 - 15	25	15	100	1001317350	102-250 DT	69,70
15 - 20	25	15	100	1001317450	103-250 DT	81,20



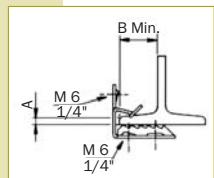
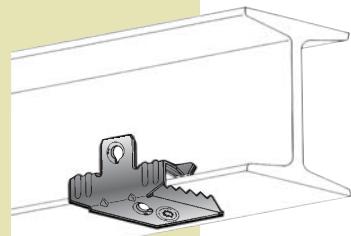
A mm.	B mm.	C mm.	Negro / Noire / Black / Schwarze Cód.	Ref.	€/100	
1,5 - 4	18	75	100	10013055	100-231	61,50
4 - 10	25	75	100	10013070	101-231	64,50
10 - 15	25	75	100	10013085	102-231	68,20
15 - 20	25	75	100	10013100	103-231	71,80
Acabado / Finition / Finishing / Endverarbeitung: SINARD						
1,5 - 4	18	75	100	1001305550	100-231 DT	79,90
4 - 10	25	75	100	1001307050	101-231 DT	83,80
10 - 15	25	75	100	1001308550	102-231 DT	88,70
15 - 20	25	75	100	1001310050	103-231 DT	93,30

Elementos de fijación rápida Elements de fixation rapide

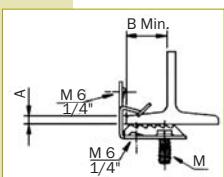
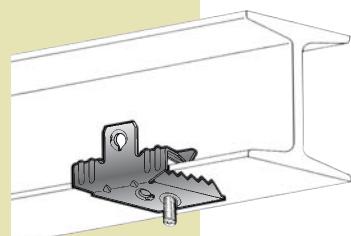
Quick attachment devices Schnellen befestigungselemente

SOCIEDAD ANTONINA
SE

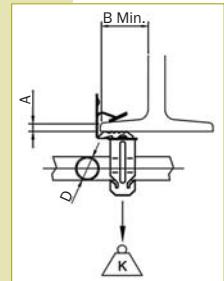
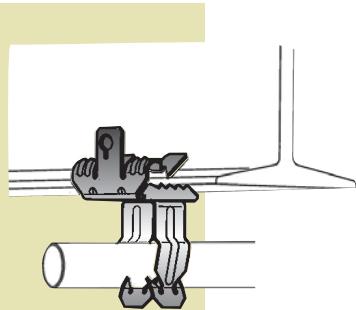
A mm.	B mm.	Kg.		Negro / Noire / Black / Schwarze Cód. Ref. €/100
3 - 7	35	45	100	10013005 104 56,30
7 - 13	35	45	100	10013007 105 61,80
14 - 20	35	45	100	10013009 106 73,70
Acabado / Finition / Finishing / Endverarbeitung: SINARD				
3 - 7	35	45	100	1001300550 104 DT 73,20
7 - 13	35	45	100	1001300750 105 DT 80,30
14 - 20	35	45	100	1001300950 106 DT 88,50



A mm.	B mm.	M	Kg.		Negro / Noire / Black / Schwarze Cód. Ref. €/100
3 - 7	35	M6x9	45-33	100	10013006 104-T M6 74,70
7 - 13	35	M6x9	45-33	100	10013008 105-T M6 81,80
14 - 20	35	M6x9	45-33	100	10013010 106-T M6 94,60
3 - 7	35	M8x9	45-33	100	10013206 104-T M8 78,50
7 - 13	35	M8x9	45-33	100	10013208 105-T M8 85,90
14 - 20	35	M8x9	45-33	100	10013210 106-T M8 94,60
Acabado / Finition / Finishing / Endverarbeitung: SINARD					
3 - 7	35	M6x9	45-33	100	1001300650 104-T M6 DT 97,10
7 - 13	35	M6x9	45-33	100	1001300850 105-T M6 DT 106,40
14 - 20	35	M6x9	45-33	100	1001301050 106-T M6 DT 117,00
3 - 7	35	M8x9	45-33	100	1001320650 104-T M8 DT 102,00
7 - 13	35	M8x9	45-33	100	1001320850 105-T M8 DT 111,70
14 - 20	35	M8x9	45-33	100	1001321050 106-T M8 DT 122,90

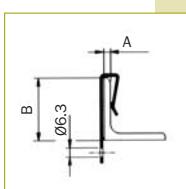
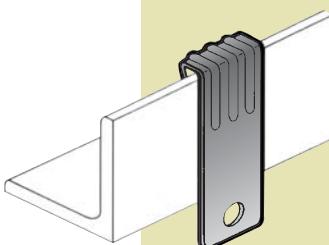


A mm.	B mm.	Ø D mm.	Kg.		Cód. Ref. €/100
Acabado / Finition / Finishing / Endverarbeitung: SINARD					
3 - 7	35	18-22	11	100	1001355550 104-280 DT 123,00
3 - 7	35	22-30	11	100	1001355650 104-281 DT 126,80
3 - 7	35	30-35	11	100	1001355750 104-282 DT 131,30
7 - 13	35	18-22	11	100	1001355850 105-280 DT 130,80
7 - 13	35	22-30	11	100	1001355950 105-281 DT 134,70
7 - 13	35	30-35	11	100	1001356050 105-282 DT 139,20
14 - 20	35	18-22	11	100	1001356150 106-280 DT 139,70
14 - 20	35	22-30	11	100	1001356250 106-281 DT 143,50
14 - 20	35	30-35	11	100	1001356350 106-282 DT 147,90

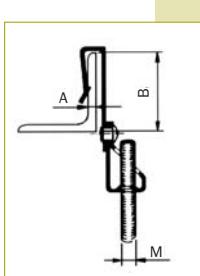
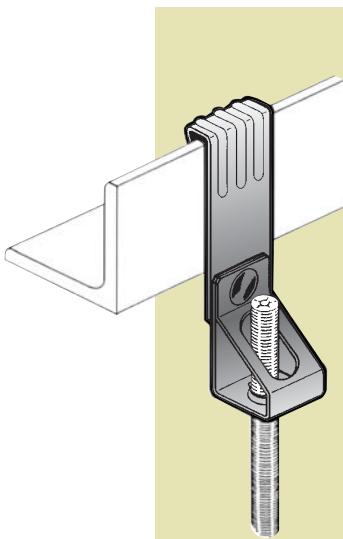


Elementos de fijación rápida Elements de fixation rapide

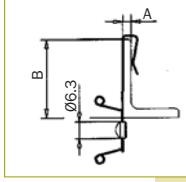
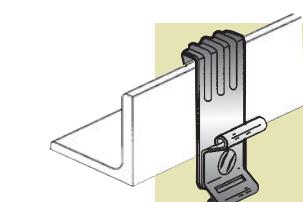
Quick attachment devices Schnellen befestigungselemente



A mm.	B mm.	Kg.		Negro / Noire / Black / Schwarze Cód.	Ref.	€/100
1,5 - 5	30	70	100	10013011	110	22,60
5 - 7	30	70	100	10013012	111	22,60
3 - 7	45	70	100	10013013	112	47,00
4 - 10	60	70	100	10013014	113	49,90
Acabado / Finition / Finishing / Endverarbeitung: SINARD						
1,5 - 5	30	70	100	1001301150	110 DT	29,40
5 - 7	30	70	100	1001301250	111 DT	29,40
3 - 7	45	70	100	1001301350	112 DT	61,10
4 - 10	60	70	100	1001301450	113 DT	64,90



A mm.	B mm.	M	Kg.		Negro / Noire / Black / Schwarze Cód.	Ref.	€/100
1,5 - 5	30	M6	70	100	10013109	110-210	68,10
1,5 - 5	30	M8	70	100	10013110	110-211	71,30
1,5 - 5	30	M10	70	100	10013111	110-212	71,30
5 - 7	30	M6	70	100	10013123	111-210	71,30
5 - 7	30	M8	70	100	10013124	111-211	71,30
5 - 7	30	M10	70	100	10013125	111-212	71,30
3 - 7	45	M6	70	100	10013137	112-210	94,00
3 - 7	45	M8	70	100	10013138	112-211	94,00
3 - 7	45	M10	70	100	10013139	112-212	94,00
4 - 10	60	M6	70	100	10013151	113-210	97,00
4 - 10	60	M8	70	100	10013152	113-211	97,00
4 - 10	60	M10	70	100	10013153	113-212	97,00
Acabado / Finition / Finishing / Endverarbeitung: SINARD							
1,5 - 5	30	M6	70	100	1001310950	110-210 DT	88,50
1,5 - 5	30	M8	70	100	1001311050	110-211 DT	92,70
1,5 - 5	30	M10	70	100	1001311150	110-212 DT	92,70
5 - 7	30	M6	70	100	1001312350	111-210 DT	92,70
5 - 7	30	M8	70	100	1001312450	111-211 DT	92,70
5 - 7	30	M10	70	100	1001312550	111-212 DT	92,70
3 - 7	45	M6	70	100	1001313750	112-210 DT	122,30
3 - 7	45	M8	70	100	1001313850	112-211 DT	122,30
3 - 7	45	M10	70	100	1001313950	112-212 DT	122,30
4 - 10	60	M6	70	100	1001315150	113-210 DT	126,10
4 - 10	60	M8	70	100	1001315250	113-211 DT	126,10
4 - 10	60	M10	70	100	1001315350	113-212 DT	126,10

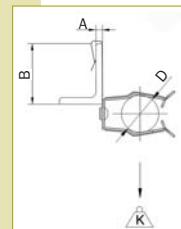
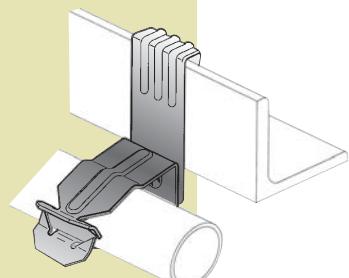


A mm.	B mm.	Kg.		Cód.	Ref.	€/100
Acabado / Finition / Finishing / Endverarbeitung: SINARD						
1,5 - 5	30	15	100	1001317550	110-250 DT	53,80
5 - 7	30	15	100	1001317650	111-250 DT	67,50
3 - 7	45	15	100	1001317750	112-250 DT	69,70
4 - 10	60	15	100	1001317850	113-250 DT	81,20

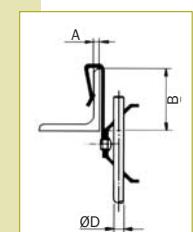
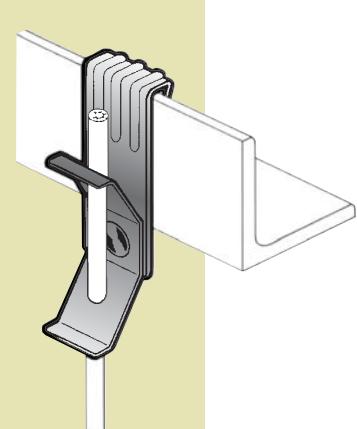
Elementos de fijación rápida Elements de fixation rapide

Quick attachment devices Schnellen befestigungselemente

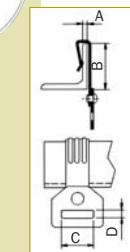
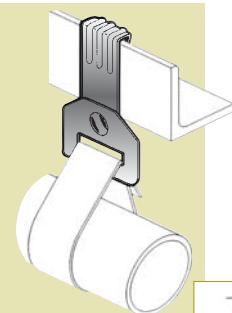
A mm.	B mm.	Ø D mm.	Kg.		Cód.	Ref.	€/100
Acabado / Finition / Finishing / Endverarbeitung: SINARD							
1,5 - 5	30	18 - 22	7	100	1001356450	110-280 DT	75,20
1,5 - 5	30	22 - 30	7	100	1001356550	110-281 DT	79,10
1,5 - 5	30	30 - 35	7	100	1001356650	110-282 DT	83,50
5 - 7	30	18 - 22	7	100	1001356750	111-280 DT	75,20
5 - 7	30	22 - 30	7	100	1001356850	111-281 DT	79,10
5 - 7	30	30 - 35	7	100	1001356950	111-282 DT	83,50
3 - 7	45	18 - 22	7	100	1001357050	112-280 DT	109,80
3 - 7	45	22 - 30	7	100	1001357150	112-281 DT	113,60
3 - 7	45	30 - 35	7	100	1001357250	112-282 DT	118,10
4 - 10	60	18 - 22	7	100	1001357350	113-280 DT	113,90
4 - 10	60	22 - 30	7	100	1001357450	113-281 DT	117,70
4 - 10	60	30 - 35	7	100	1001357550	113-282 DT	122,30



A mm.	B mm.	Ø D mm.	Kg.		Negro / Noire / Black / Schwarze Cód.	Ref.	€/100
1,5 - 5	30	4	60	100	10013112	110-220	52,10
1,5 - 5	30	6	60	100	10013113	110-221	52,10
5 - 7	30	4	60	100	10013126	111-220	52,10
5 - 7	30	6	60	100	10013127	111-221	52,10
3 - 7	45	4	60	100	10013140	112-220	76,20
3 - 7	45	6	60	100	10013141	112-221	76,20
4 - 10	60	4	60	100	10013154	113-220	79,10
4 - 10	60	6	60	100	10013155	113-221	79,10



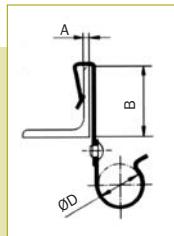
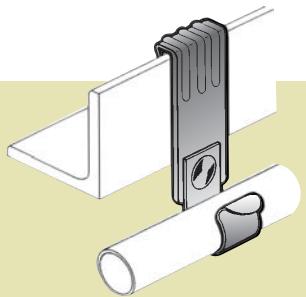
1,5 - 5	30	4	60	100	1001311250	110-220 DT	67,80
1,5 - 5	30	6	60	100	1001311350	110-221 DT	67,80
5 - 7	30	4	60	100	1001312650	111-220 DT	67,80
5 - 7	30	6	60	100	1001312750	111-221 DT	67,80
3 - 7	45	4	60	100	1001314050	112-220 DT	99,10
3 - 7	45	6	60	100	1001314150	112-221 DT	99,10
4 - 10	60	4	60	100	1001315450	113-220 DT	102,90
4 - 10	60	6	60	100	1001315550	113-221 DT	102,90



A mm.	B mm.	CxD mm.	Kg.		Negro / Noire / Black / Schwarze Cód.	Ref.	€/100
1,5 - 5	30	28 x 6,5	45	100	10013114	110-230	42,30
5 - 7	30	28 x 6,5	45	100	10013128	111-230	42,30
3 - 7	45	28 x 6,5	45	100	10013142	112-230	68,20
4 - 10	60	28 x 6,5	45	100	10013156	113-230	71,10
Acabado / Finition / Finishing / Endverarbeitung: SINARD							
1,5 - 5	30	28 x 6,5	45	100	1001311450	110-230 DT	55,00
5 - 7	30	28 x 6,5	45	100	1001312850	111-230 DT	55,00
3 - 7	45	28 x 6,5	45	100	1001314250	112-230 DT	88,70
4 - 10	60	28 x 6,5	45	100	1001315650	113-230 DT	89,90

Elementos de fijación rápida Elements de fixation rapide

Quick attachment devices
Schnellen befestigungselemente

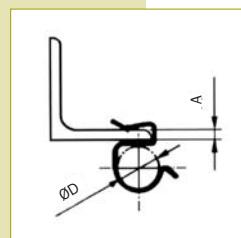
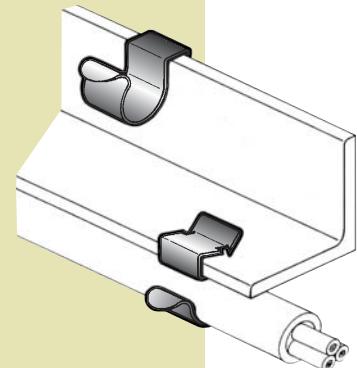


A mm.	B mm.	Ø D mm.		Negro / Noire / Black / Schwarze	Cód.	Ref.	€/100	Acabado / Finition / Finishing / Endverarbeitung: SINARD	Cód.	Ref.	€/100
1,5 - 5	30	12 - 14	100	10013115	110-310.1	47,70		1001311550	110-310.1 DT	62,00	
1,5 - 5	30	15 - 18	100	10013116	110-312.1	51,00		1001311650	110-312.1 DT	66,30	
1,5 - 5	30	19 - 24	100	10013117	110-314.1	54,20		1001311750	110-314.1 DT	70,10	
1,5 - 5	30	25 - 30	100	10013118	110-316.1	56,20		1001311850	110-316.1 DT	73,10	
1,5 - 5	30	31 - 35	100	10013119	110-317.1	58,80		1001311950	110-317.1 DT	76,40	
1,5 - 5	30	36 - 40	100	10013120	110-318.1	66,40		1001312050	110-318.1 DT	86,30	
1,5 - 5	30	41 - 45	100	10013121	110-319.1	68,80		1001312150	110-319.1 DT	89,40	
1,5 - 5	30	46 - 50	100	10013122	110-320.1	71,20		1001312250	110-320.1 DT	92,50	
5 - 7	30	12 - 14	100	10013129	111-310.1	47,70		1001312950	111-310.1 DT	62,00	
5 - 7	30	15 - 18	100	10013130	111-312.1	51,00		1001313050	111-312.1 DT	66,30	
5 - 7	30	19 - 24	100	10013131	111-314.1	54,20		1001313150	111-314.1 DT	70,10	
5 - 7	30	25 - 30	100	10013132	111-316.1	56,20		1001313250	111-316.1 DT	73,10	
5 - 7	30	31 - 35	100	10013133	111-317.1	58,80		1001313350	111-317.1 DT	76,40	
5 - 7	30	36 - 40	100	10013134	111-318.1	66,40		1001313450	111-318.1 DT	86,30	
5 - 7	30	41 - 45	100	10013135	111-319.1	68,80		1001313550	111-319.1 DT	89,40	
5 - 7	30	46 - 50	100	10013136	111-320.1	71,20		1001313650	111-320.1 DT	92,50	
3 - 7	45	12 - 14	100	10013143	112-310.1	75,30		1001314350	112-310.1 DT	97,90	
3 - 7	45	15 - 18	100	10013144	112-312.1	78,70		1001314450	112-312.1 DT	102,30	
3 - 7	45	19 - 24	100	10013145	112-314.1	81,80		1001314550	112-314.1 DT	106,30	
3 - 7	45	25 - 30	100	10013146	112-316.1	83,90		1001314650	112-316.1 DT	109,10	
3 - 7	45	31 - 35	100	10013147	112-317.1	86,40		1001314750	112-317.1 DT	112,30	
3 - 7	45	36 - 40	100	10013148	112-318.1	94,00		1001314850	112-318.1 DT	122,20	
3 - 7	45	41 - 45	100	10013149	112-319.1	96,40		1001314950	112-319.1 DT	125,20	
3 - 7	45	46 - 50	100	10013150	112-320.1	98,80		1001315050	112-320.1 DT	128,40	
4 - 10	60	12 - 14	100	10013157	113-310.1	78,50		1001315750	113-310.1 DT	102,10	
4 - 10	60	15 - 18	100	10013158	113-312.1	81,80		1001315850	113-312.1 DT	106,30	
4 - 10	60	19 - 24	100	10013159	113-314.1	84,80		1001315950	113-314.1 DT	110,20	
4 - 10	60	25 - 30	100	10013160	113-316.1	87,00		1001316050	113-316.1 DT	113,10	
4 - 10	60	31 - 35	100	10013161	113-317.1	89,50		1001316150	113-317.1 DT	116,30	
4 - 10	60	36 - 40	100	10013162	113-318.1	97,20		1001316250	113-318.1 DT	126,40	
4 - 10	60	41 - 45	100	10013163	113-319.1	99,50		1001316350	113-319.1 DT	129,40	
4 - 10	60	46 - 50	100	10013164	113-320.1	101,90		1001316450	113-320.1 DT	132,50	

Elementos de fijación rápida Elements de fixation rapide

Quick attachment devices Schnellen befestigungselemente

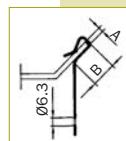
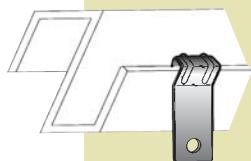
ØD mm.	A mm.		Negro / Noire / Black / Schwarze		
			Cód.	Ref.	€/100
6 - 7	1 - 4	100	10013690	304	9,10
6 - 7	4 - 7,5	100	10013691	305	9,10
6 - 7	7,5 - 12	100	10013692	305.2	9,10
8 - 9	1 - 4	100	10013027	306	9,90
8 - 9	4 - 7,5	100	10013028	307	9,90
8 - 9	7,5 - 12	100	10013258	307.2	9,90
10 - 11	1 - 4	100	10013029	308	11,50
10 - 11	4 - 7,5	100	10013030	309	11,50
10 - 11	7,5 - 12	100	10013259	309.2	11,50
12 - 14	1 - 4	100	10013031	310	14,00
12 - 14	4 - 7,5	100	10013033	311	14,00
12 - 14	7,5 - 12	100	10013260	311.2	14,00
15 - 18	1 - 4	100	10013034	312	16,70
15 - 18	4 - 7,5	100	10013036	313	16,70
15 - 18	7,5 - 12	100	10013261	313.2	16,70
19 - 24	1 - 4	100	10013037	314	19,30
19 - 24	4 - 7,5	100	10013039	315	19,30
19 - 24	7,5 - 12	100	10013262	315.2	19,30
25 - 30	1 - 4	100	10013040	316	22,70
25 - 30	4 - 7,5	100	10013042	317	22,70
25 - 30	7,5 - 12	100	10013263	317.2	22,70



Acabado / Finition / Finishing / Endverarbeitung: SINARD					
6 - 7	1 - 4	100	1001369050	304 DT	11,60
6 - 7	4 - 7,5	100	1001369150	305 DT	11,60
6 - 7	7,5 - 12	100	1001369250	305.2 DT	11,60
8 - 9	1 - 4	100	1001302750	306 DT	12,80
8 - 9	4 - 7,5	100	1001302850	307 DT	12,80
8 - 9	7,5 - 12	100	1001325850	307.2 DT	12,80
10 - 11	1 - 4	100	1001302950	308 DT	15,10
10 - 11	4 - 7,5	100	1001303050	309 DT	15,10
10 - 11	7,5 - 12	100	1001325950	309.2 DT	15,10
12 - 14	1 - 4	100	1001303150	310 DT	18,20
12 - 14	4 - 7,5	100	1001303350	311 DT	18,20
12 - 14	7,5 - 12	100	1001326050	311.2 DT	18,20
15 - 18	1 - 4	100	1001303450	312 DT	21,70
15 - 18	4 - 7,5	100	1001303650	313 DT	21,70
15 - 18	7,5 - 12	100	1001326150	313.2 DT	21,70
19 - 24	1 - 4	100	1001303750	314 DT	25,00
19 - 24	4 - 7,5	100	1001303950	315 DT	25,00
19 - 24	7,5 - 12	100	1001326250	315.2 DT	25,00
25 - 30	1 - 4	100	1001304050	316 DT	29,70
25 - 30	4 - 7,5	100	1001304250	317 DT	29,70
25 - 30	7,5 - 12	100	1001326350	317.2 DT	29,70

Elementos de fijación rápida Elements de fixation rapide

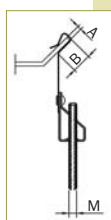
Quick attachment devices Schnellen befestigungselemente



A mm.	B mm.	Kg.		Negro / Noire / Black / Schwarze Cód.	Ref.	€/100
1,5 - 5	20	45	100	10013170	120	21,10

Acabado / Finition / Finishing / Endverarbeitung: SINARD

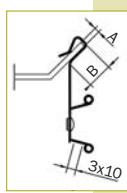
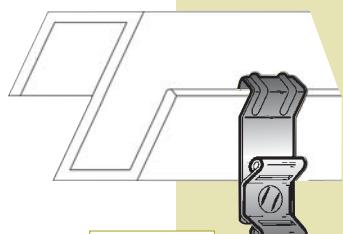
1,5 - 5	20	45	100	1001317050	120 DT	27,50
---------	----	----	-----	------------	--------	--------------



A mm.	B mm.	M	Kg.		Negro / Noire / Black / Schwarze Cód.	Ref.	€/100
1,5 - 5	20	M6	45	100	10013850	120-210	84,40
1,5 - 5	20	M8	45	100	10013851	120-211	84,40
1,5 - 5	20	M10	45	100	10013852	120-212	84,40

Acabado / Finition / Finishing / Endverarbeitung: SINARD

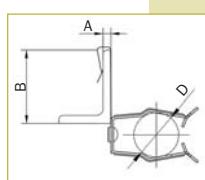
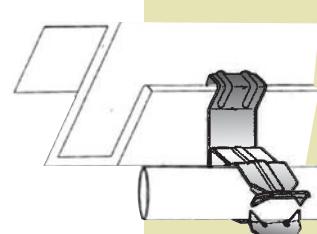
1,5 - 5	20	M6	45	100	1001385050	120-210 DT	110,70
1,5 - 5	20	M8	45	100	1001385150	120-211 DT	110,70
1,5 - 5	20	M10	45	100	1001385250	120-212 DT	110,70



A mm.	B mm.	Kg.		Cód.	Ref.	€/100
----------	----------	-----	--	------	------	-------

Acabado / Finition / Finishing / Endverarbeitung: SINARD

1,5 - 5	20	15	100	1001317950	120-250 DT	53,80
---------	----	----	-----	------------	------------	--------------



A mm.	B mm.	ØD mm.	Kg.		Cód.	Ref.	€/100
----------	----------	-----------	-----	--	------	------	-------

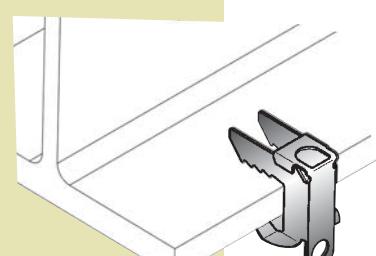
Acabado / Finition / Finishing / Endverarbeitung: SINARD

1,5 - 5	20	18-22	7	100	1001357650	120-280 DT	73,20
1,5 - 5	20	22-30	7	100	1001357750	120-281 DT	77,40
1,5 - 5	20	30-35	7	100	1001357850	120-282 DT	81,50

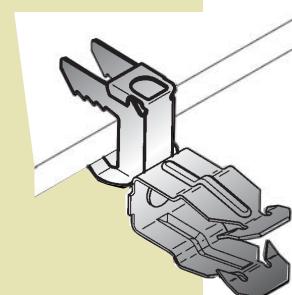
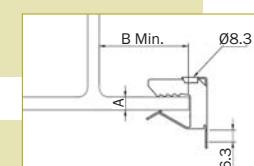
FIJACIÓN UNIVERSAL - FIXATION UNIVERSELLE
UNIVERSAL FIXING - UNIVERSELLE BEFESTIGUNG

NEW

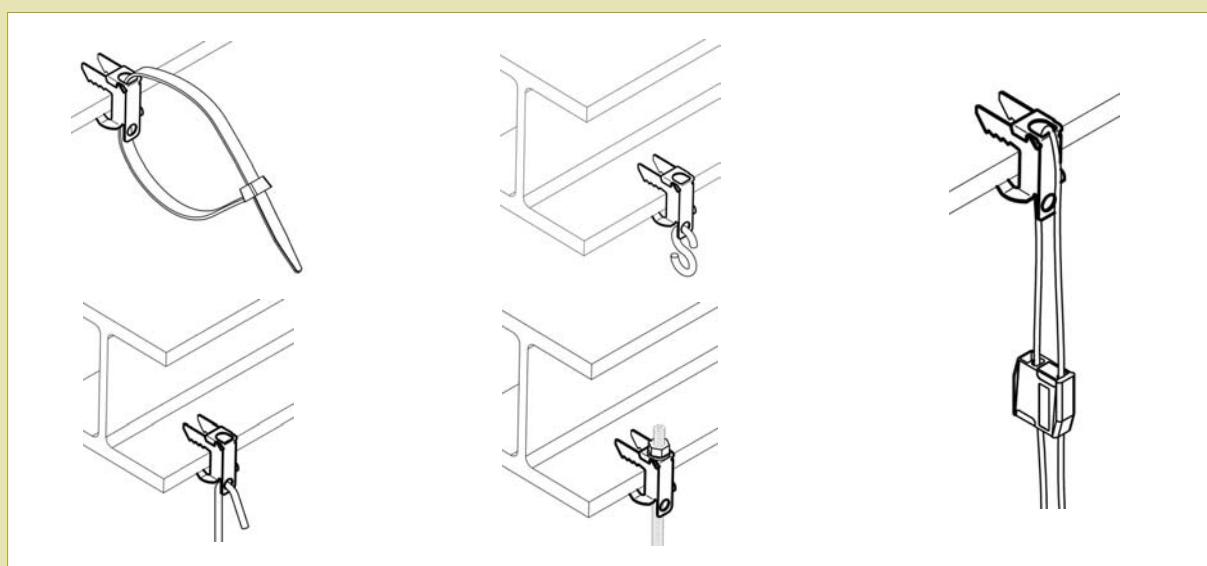
A mm.	B mm.	Kg.		Cód.	Ref.	€/100
Acabado / Finition / Finishing / Endverarbeitung: SINARD						
3 - 8	25	120	100	1001380050	160 DT	43,30
8 - 14	25	120	100	1001380150	161 DT	52,50
14 - 20	25	120	100	1001380250	162 DT	64,90



A mm.	B mm.	Ø D mm.		Cód.	Ref.	€/100
Acabado / Finition / Finishing / Endverarbeitung: SINARD						
3 - 8	25	18 - 22	100	1001380350	160-280 DT	89,60
3 - 8	25	22 - 30	100	1001380450	160-281 DT	94,80
3 - 8	25	30 - 35	100	1001380550	160-282 DT	99,90
8 - 14	25	18 - 22	100	1001380650	161-280 DT	98,90
8 - 14	25	22 - 30	100	1001380750	161-281 DT	104,00
8 - 14	25	30 - 35	100	1001380850	161-282 DT	118,00
14 - 20	25	18 - 22	100	1001380950	162-280 DT	111,10
14 - 20	25	22 - 30	100	1001381050	162-281 DT	117,40
14 - 20	25	30 - 35	100	1001381150	162-282 DT	123,60

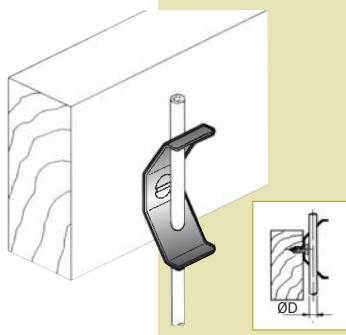


EJEMPLOS DE APLICACIÓN - EXEMPLES DE MONTAGE
EXAMPLES OF INSTALLATION - ANWENDUNG BEISPIEL

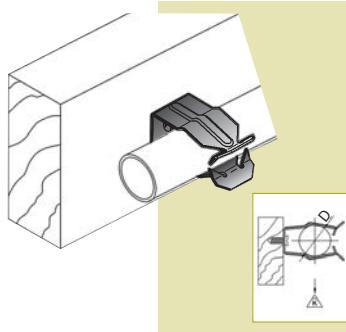


Elementos de fijación rápida Elements de fixation rapide

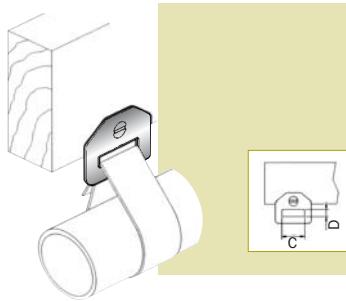
Quick attachment devices Schnellen befestigungselemente



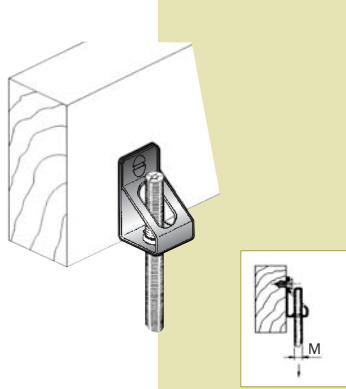
$\varnothing D$ mm.	Kg.		Negro / Noire / Black / Schwarze Cód. Ref. €/100
4	60	100	10013023 220 21,50
6	60	100	10013024 221 21,50
Acabado / Finition / Finishing / Endverarbeitung: SINARD			
4	60	100	1001302350 220 DT 27,90
6	60	100	1001302450 221 DT 27,90



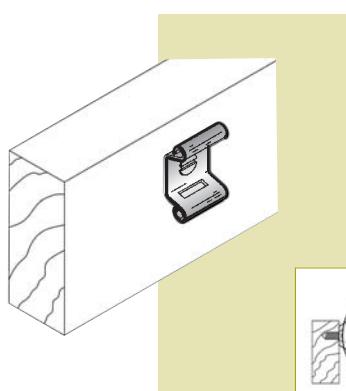
$\varnothing D$ mm.	Kg.		Cód. Ref. €/100
Acabado / Finition / Finishing / Endverarbeitung: SINARD			
18 - 22	7	100	1001354050 280 DT 32,00
22 - 30	7	100	1001354150 281 DT 35,80
30 - 35	7	100	1001354250 282 DT 40,30



CxD	Kg.		Negro / Noire / Black / Schwarze Cód. Ref. €/100
28 x 6,5	45	100	10013025 230 15,00
Acabado / Finition / Finishing / Endverarbeitung: SINARD			
28 x 6,5	45	100	1001302550 230 DT 19,60



M	Kg.		Negro / Noire / Black / Schwarze Cód. Ref. €/100
M6	70	100	10013020 210 39,30
M8	70	100	10013021 211 39,30
M10	70	100	10013022 212 39,30
Acabado / Finition / Finishing / Endverarbeitung: SINARD			
M6	70	100	1001302050 210 DT 51,20
M8	70	100	1001302150 211 DT 51,20
M10	70	100	1001302250 212 DT 51,20

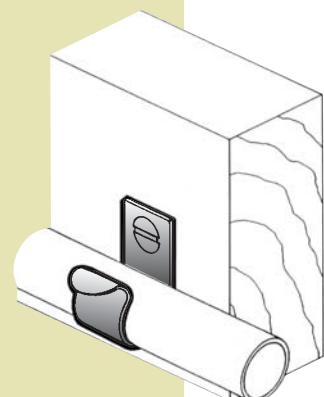


CxD	Kg.		Cód. Ref. €/100
Acabado / Finition / Finishing / Endverarbeitung: SINARD			
3 x 10	15	100	1001301850 250 DT 19,90

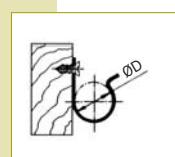
Elementos de fijación rápida Elements de fixation rapide

Quick attachment devices Schnellen befestigungselemente

Ø D mm.		Negro / Noire / Black / Schwarze	Cód.	Ref.	€/100
12 - 14	100	10013032	310.1	16,20	
15 - 18	100	10013035	312.1	19,40	
19 - 24	100	10013038	314.1	22,20	
25 - 30	100	10013041	316.1	24,30	
31 - 35	100	10013043	317.1	26,70	
36 - 40	100	10013044	318.1	34,00	
41 - 45	100	10013045	319.1	36,30	
46 - 50	100	10013046	320.1	38,50	



Acabado / Finition / Finishing / Endverarbeitung: SINARD					
12 - 14	100	1001303250	310.1 DT	21,00	
15 - 18	100	1001303550	312.1 DT	25,10	
19 - 24	100	1001303850	314.1 DT	28,90	
25 - 30	100	1001304150	316.1 DT	31,60	
31 - 35	100	1001304350	317.1 DT	34,70	
36 - 40	100	1001304450	318.1 DT	44,20	
41 - 45	100	1001304550	319.1 DT	47,10	
46 - 50	100	1001304650	320.1 DT	50,10	



UN MUNDO DE COMBINACIONES A SU ALCANCE

Este catálogo presenta una muestra de las múltiples combinaciones posibles y más usuales de los clips de fijación. Si no encuentra respuesta a sus problemas de fijación, contáctenos y le ayudaremos a encontrar la solución más adecuada.

UN MONDE DE COMBINAISONS À VOTRE PORTÉE

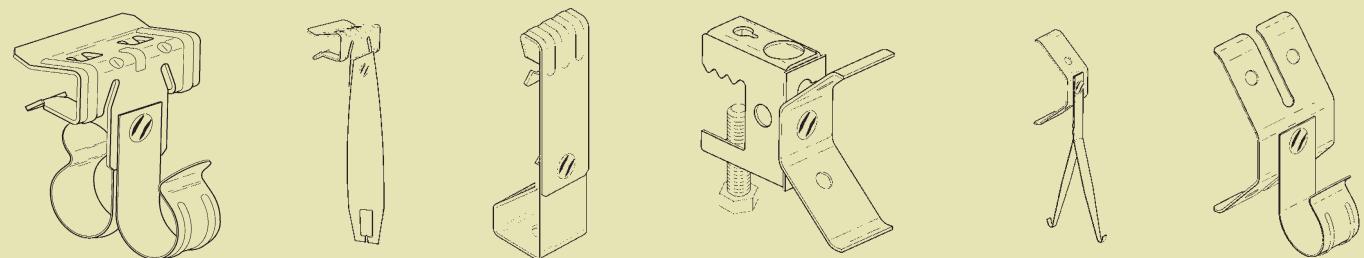
Ce catalogue présente un échantillon des multiples combinaisons possibles des clips de fixation. Si vous ne trouvez pas de réponse à vos problèmes de fixation, contactez-nous et nous vous aiderons à trouver la solution plus adéquate.

A WORLD OF COMBINATIONS WITHIN YOUR REACH

This catalogue presents a sample of the many possible combinations of the fixing clips. If you do not find a reply to your fixing problems, contact us and we will help to find the right solution.

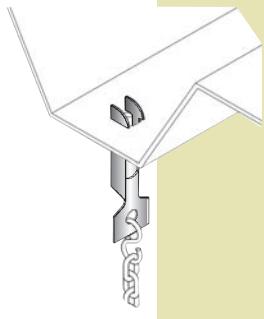
EINE VIELFALT AN KOMBINATIONEN ZU IHRER VERFÜGUNG

Dieser Katalog ist nur eine Auswahl der zahlreichen Kombinationsmöglichkeiten unserer Fixierklammern. Wenn Sie keine Lösung für Ihre Befestigungswünsche hier finden, rufen Sie uns an, und wir werden Ihnen gerne helfen die passende Lösung zu finden.

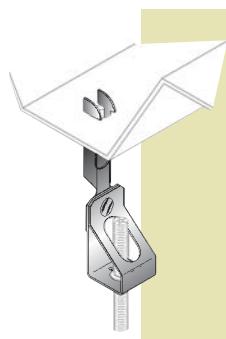


Elementos de fijación rápida Elements de fixation rapide

Quick attachment devices Schnellen befestigungselemente



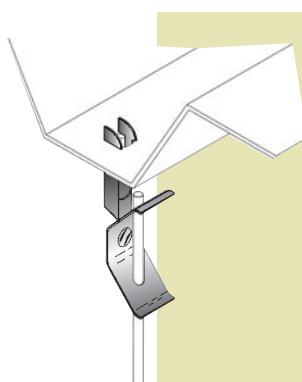
B mm.	\varnothing D	Kg. ⁽¹⁾	Cód.	Ref.	€/100
Acabado / Finition / Finishing / Endverarbeitung: SINARD					
0'8 - 3	7 - 8	-	100	1001368050	150 DT 22,50



B mm.	\varnothing D	M	Kg. ⁽¹⁾	Cód.	Ref.	€/100
Acabado / Finition / Finishing / Endverarbeitung: SINARD						
0'8 - 3	7 - 8	M6	-	100	1001368150	150-210 DT 69,10
0'8 - 3	7 - 8	M8	-	100	1001368250	150-211 DT 69,10
0'8 - 3	7 - 8	M10	-	100	1001368350	150-212 DT 69,10



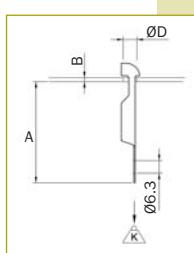
B mm.	\varnothing D	C x D	Kg. ⁽¹⁾	Cód.	Ref.	€/100
Acabado / Finition / Finishing / Endverarbeitung: SINARD						
0'8 - 3	7 - 8	28 x 6'5	-	100	1001368450	150-230 DT 41,80



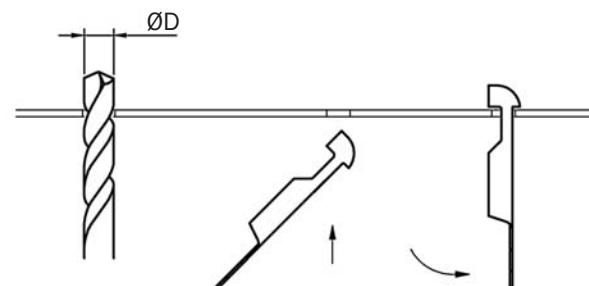
B mm.	\varnothing D	\varnothing varilla Ø rod	Kg. ⁽¹⁾	Cód.	Ref.	€/100
Acabado / Finition / Finishing / Endverarbeitung: SINARD						
0'8 - 3	7 - 8	4	-	100	1001368550	150-220 DT 51,40
0'8 - 3	7 - 8	6	-	100	1001368650	150-221 DT 51,40

(1) Cargas según por espesor base de anclaje.

(1) Loads according to the thickness of the sheet.



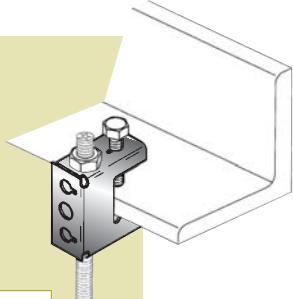
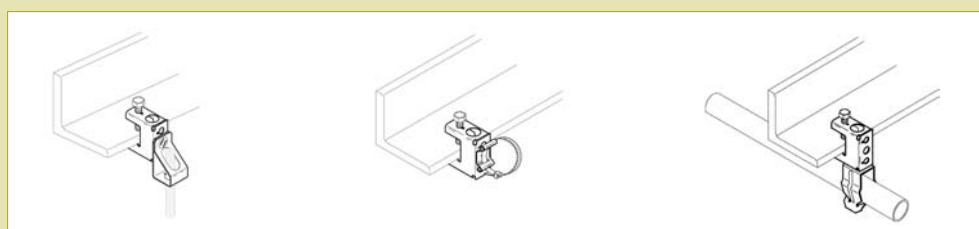
MONTAJE - MONTAGE - INSTALLATION - MONTAGE:



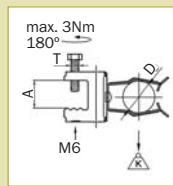
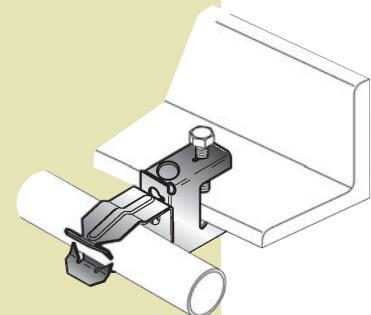
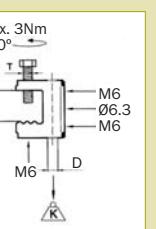
MORDAZAS - CRAMPONS - BEAM CLAMP - TRÄGERKLAMMER

- Elija la mordaza más adecuada a sus necesidades de instalación:
- Choisissez la crampon le plus adéquat à vos besoins d'installation:
- Choose the best clamp for your installation requirements:
- Wählen Sie die Trägerklammer, die sich am Besten an Ihren Installationsbedarf anpassen:

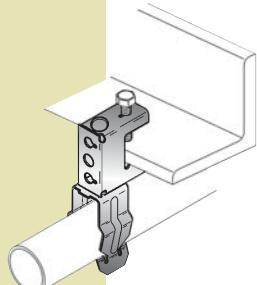
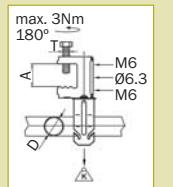
D	T	A mm.	Kg.		Cód.	Ref.	€/100
Acabado / Finition / Finishing / Endverarbeitung: SINARD							
10'7	M6	<16	45	100	1001365050	130 DT	105,70



T	A mm	ØD mm.	Kg.		Cód.	Ref.	€/100
Acabado / Finition / Finishing / Endverarbeitung: SINARD							
M6	<16	18 - 22	7	100	1001357950	130-280 H DT	132,70
M6	<16	22 - 30	7	100	1001358050	130-281 H DT	136,20
M6	<16	30 - 35	7	100	1001358150	130-282 H DT	140,30

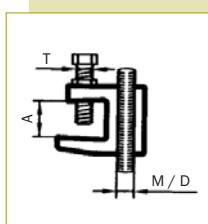
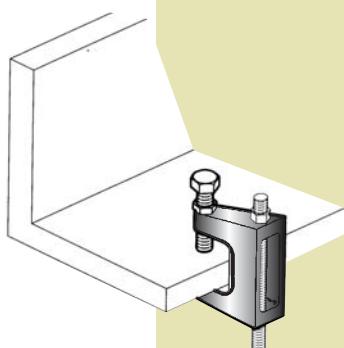


T	A mm	ØD mm.	Kg.		Cód.	Ref.	€/100
Acabado / Finition / Finishing / Endverarbeitung: SINARD							
M6	<16	18 - 22	11	100	1001358250	130-280 V DT	132,70
M6	<16	22 - 30	11	100	1001358350	130-281 V DT	136,20
M6	<16	30 - 35	11	100	1001358450	130-282 V DT	140,30



Elementos de fijación rápida Elements de fixation rapide

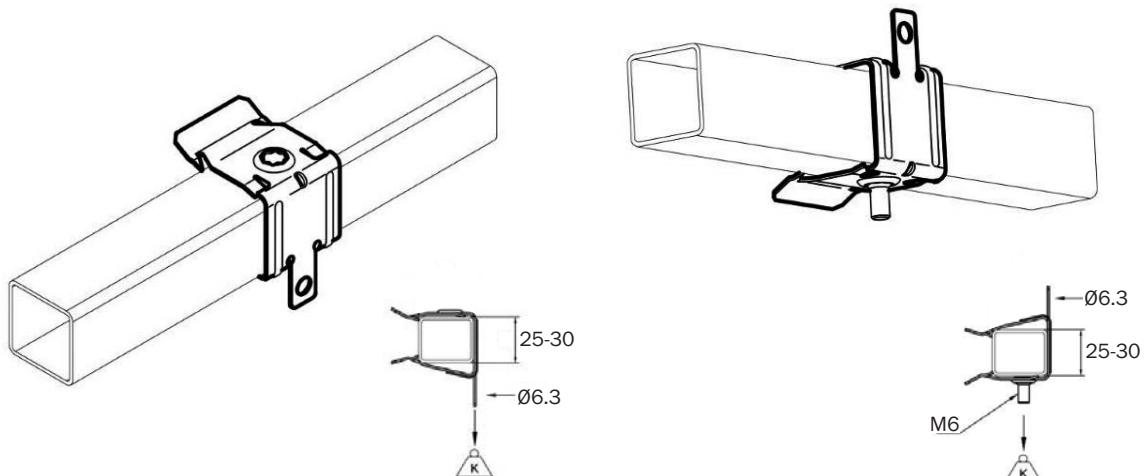
Quick attachment devices Schnellen befestigungselemente



M / D	T	A mm.	Kg.		Cód.	Ref.	€/100
M6	M8	<18	120	50	10013600	M6 T8	299,90
D7	M8	<18	120	50	10013601	D7 T8	299,90
M6	M10	<23	250	50	10013602	M6 T10	326,70
D7	M10	<23	250	50	10013603	D7 T10	326,70
M8	M8	<18	120	50	10013180	M8 T8	299,90
D9	M8	<18	120	50	10013181	D9 T8	299,90
M8	M10	<23	250	50	10013182	M8 T10	326,70
D9	M10	<23	250	50	10013183	D9 T10	326,70
M10	M10	<20	250	50	10013184	M10 T10	326,70
D11	M10	<20	250	50	10013185	D11 T10	326,70
M12	M10	<26	350	50	10013186	M12 T10	439,20
D13	M10	<26	350	50	10013187	D13 T10	439,20
M16	M12	<28	550	50	10013604	M16 T12	878,40
D17	M12	<28	550	50	10013605	D17 T12	878,40

NEW

Fijación para estructuras metálicas de mayor espesor
Fixation pour structures métalliques de majeur épaisseur
Fixation for metal structures of bigger thickness
Befestigungselemente für Metallstrukturen mit grösserem Durchmesser



Disponible próximamente - Disponible prochainement
Coming soon - Erhältlich nächstens

**SUSPENSIÓN CON CABLE - SUSPENSION AVEC CÂBLE
 SUSPENSION WITH CABLE - FEDERUNGS MIT KABEL**

Ø Cable mm.	Longitud cable m.	Kg.	Contenido bolsa	Cód.	Ref.	€/bolsa ⁽¹⁾
1'5	2	50	10	10013701	MX2 L - 1'5 - 2	50,00
1'5	3	50	10	10013702	MX2 L - 1'5 - 3	53,00
1'5	5	50	10	10013703	MX2 L - 1'5 - 5	58,00
2'5	2	100	10	10013704	MX2 L - 2'5 - 2	62,00
2'5	3	100	10	10013705	MX2 L - 2'5 - 3	65,00
2'5	5	100	10	10013706	MX2 L - 2'5 - 5	71,00



Ø Cable mm.	Longitud cable m.	Kg.	Contenido bolsa	Cód.	Ref.	€/bolsa ⁽¹⁾
1'5	2	50	10	10013707	MX2 V - 1'5 - 2	59,00
1'5	3	50	10	10013708	MX2 V - 1'5 - 3	61,00
1'5	5	50	10	10013709	MX2 V - 1'5 - 5	64,00
2'5	2	100	10	10013710	MX2 V - 2'5 - 2	73,00
2'5	3	100	10	10013711	MX2 V - 2'5 - 3	76,00
2'5	5	100	10	10013712	MX2 V - 2'5 - 5	84,00



Ø Cable mm.	Longitud cable m.	M	Kg.	Contenido bolsa	Cód.	Ref.	€/bolsa ⁽¹⁾
1'5	2	M6	50	10	10013713	MX2 R - 1'5 - 2	69,00
1'5	3	M6	50	10	10013714	MX2 R - 1'5 - 3	72,00
1'5	5	M6	50	10	10013715	MX2 R - 1'5 - 5	77,00
2'5	2	M6	100	10	10013716	MX2 R - 2'5 - 2	83,00
2'5	3	M6	100	10	10013717	MX2 R - 2'5 - 3	87,00
2'5	5	M6	100	10	10013718	MX2 R - 2'5 - 5	93,00



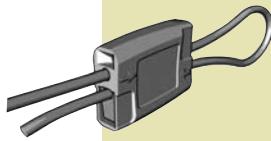
⁽¹⁾ Cada bolsa contiene 10 conjuntos (alambres + tensores) y una llave destensadora.

Cargas especificadas en carga vertical, con un coeficiente de seguridad 3:1, con los cables suministrados en el conjunto.
 Otras longitudes de cable, disponibles bajo demanda.

Elementos de fijación rápida Elements de fixation rapide

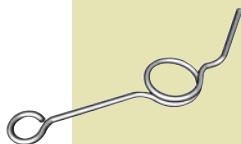
Quick attachment devices
Schnellen befestigungselemente

Tensor



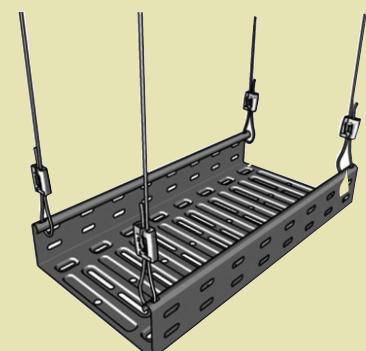
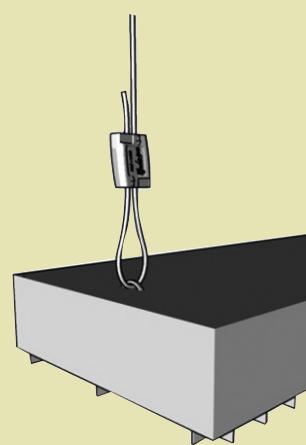
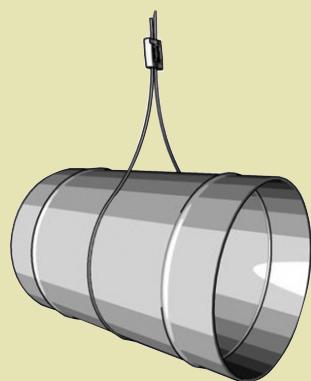
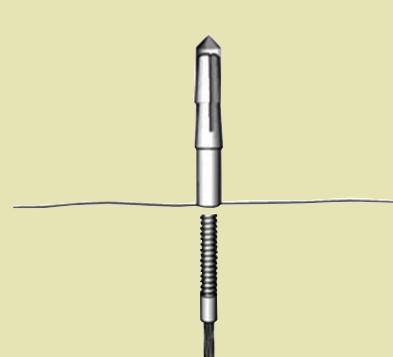
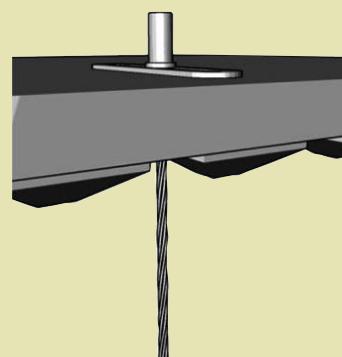
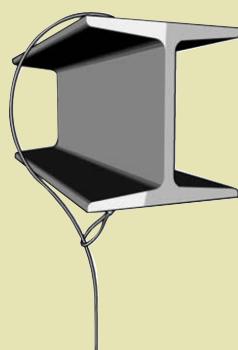
ØCable mm.	Longitud cable m.	Kg.	Cód.	Ref.	€/100	
-	-	-	100	10013719	MX2 T	185,00

Llave destensadora



ØCable mm.	Longitud cable m.	Kg.	Cód.	Ref.	€/100	
-	-	-	10	10013720	MX2 LL	100,00

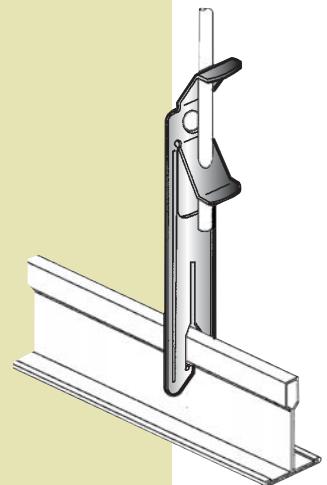
MONTAJE - MONTAGE - INSTALLATION - MONTAGE:



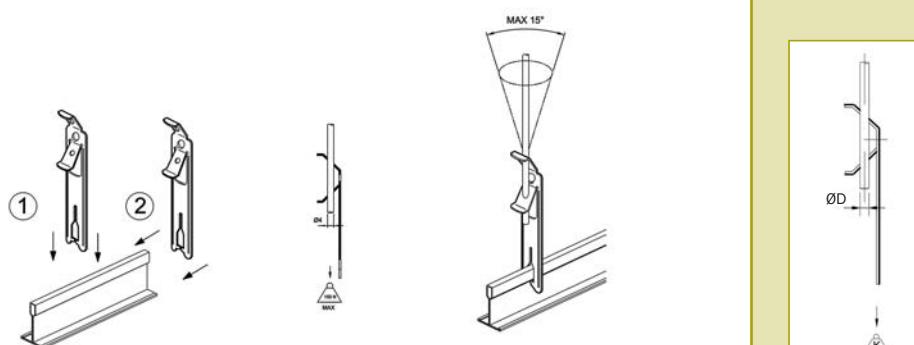
**FIJACIONES PARA PERFILES DE FALSOS TECHOS
FIXATION POUR FAUX-PLAFONDS - FIXATION FOR CEILINGS
FIXIERUNG FÜR ZWISCHENDECKENPROFILE**

CARGAS LIGERAS - CHARGES LÈGERES - LIGHT DUTY - LEICHTE LASTEN

ØD mm.	Kg.	Cód.	Ref.	€/100
Acabado / Finition / Finishing / Endverarbeitung: SINARD				
4	15	100	1001323050	260 DT 38,50

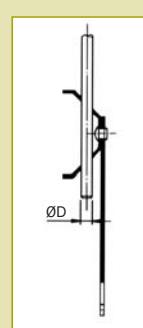
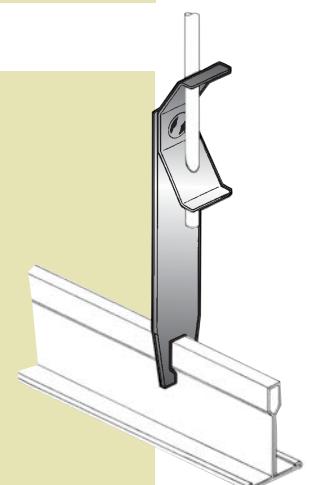


MONTAJE - MONTAGE - INSTALLATION - MONTAGE:

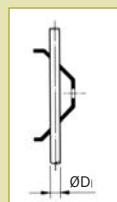


CARGAS PESADAS - CHARGES LOURDES - HEAVY DUTY - SCHWERE LASTEN

ØD mm.	Kg.	Cód.	Negro / Noire / Black / Schwarze Ref.	€/100
4	45	100	10013256	1122-220 74,80
6	45	100	10013257	1122-221 74,80
Acabado / Finition / Finishing / Endverarbeitung: SINARD				
4	45	100	1001325650	1122-220 DT 99,10
6	45	100	1001325750	1122-221 DT 99,10

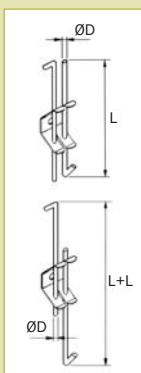
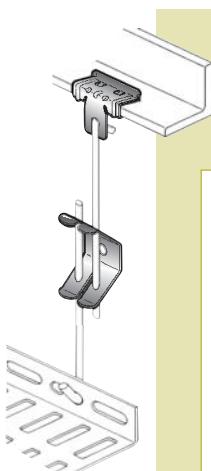


Elementos de fijación rápida Elements de fixation rapide



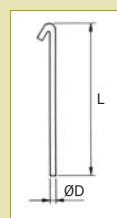
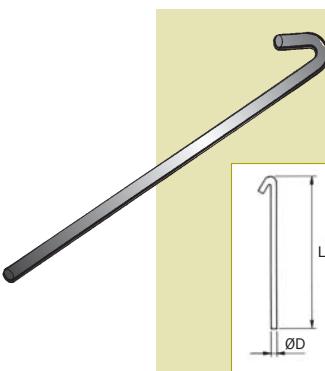
Quick attachment devices Schnellen befestigungselemente

$\varnothing D$ mm.	Kg.		Cód.	Ref.	€/100
Acabado / Finition / Finishing / Endverarbeitung: SINARD					
4	30	100	1001326450	240 DT	22,50
6	30	100	1001326550	241 DT	22,50



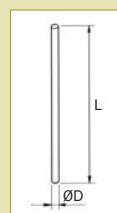
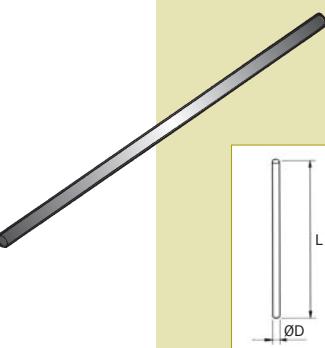
$\varnothing D$ mm.	L mm.	L + L mm.	Kg.		Cód.	Ref.	€/100
4	180	150-300	30	100	10013451	240 DT - 640	54,90
4	330	300-600	30	100	10013454	240 DT - 643	68,30
4	630	600-1200	30	100	10013460	240 DT - 649	102,50
4	830	800-1500	30	100	10013464	240 DT - 653	119,30
4	1030	1000-2000	30	100	10013468	240 DT - 657	129,70

Conjunto premontado - Ensemble prémonté - Preeassembled set - Vormontierter Satz.



$\varnothing D$ mm.	L mm.		Cód.	Ref.	€/100
4	180	100	10013433	640	16,10
4	330	100	10013436	643	22,50
4	630	100	10013442	649	41,80
4	830	100	10013446	653	50,40
4	1030	100	10013450	657	59,90

Consultar otras medidas.
Other length under request.



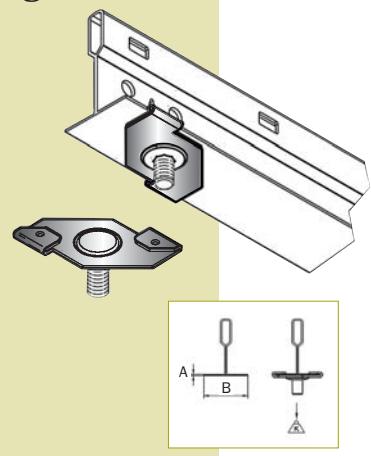
$\varnothing D$ mm.	L mm.		Cód.	Ref.	€/100
4	1000	100	10013430	630	31,20
6	1000	100	10013431	631	60,30

Acero galvanizado.
Galvanized steel.

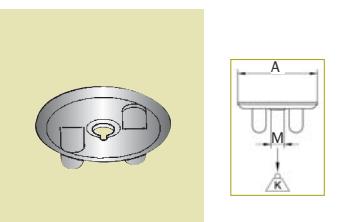
Elementos de fijación rápida Elements de fixation rapide

Quick attachment devices Schnellen befestigungselemente

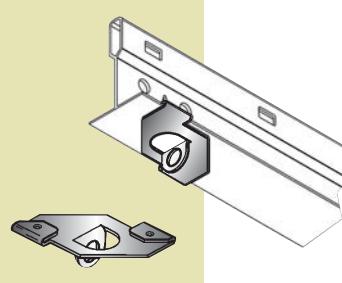
B mm.	A mm.	M6 x L	Kg.		Cód.	Ref.	€/100
Acabado / Finition / Finishing / Endverarbeitung: CINCADO							
25	1'5	M6 x 9	20	100	1001367150	140 T-9 ZN	51,70
25	1'5	M6 x 16	20	100	1001367250	140 T-16 ZN	58,50
25	1'5	M6 x 25	20	100	1001367350	140 T-25 ZN	72,00
Lacado blanco - Laqué blanc - White lacquer - Weisslackiert							
25	1'5	M6 x 9	20	100	1001367190	140 T-9 L	103,50
25	1'5	M6 x 16	20	100	1001367290	140 T-16 L	107,90
25	1'5	M6 x 25	20	100	1001367390	140 T-25 L	117,00



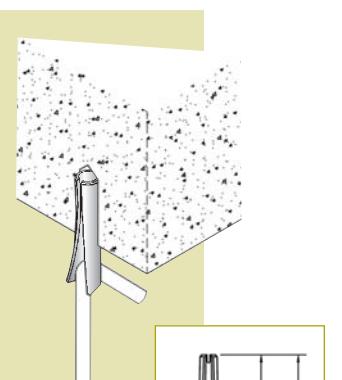
M	Kg.		Cód.	Ref.	€/100
Acabado / Finition / Finishing / Endverarbeitung: CINCADO					
M6	20	100	1001367450	290 ZN	29,10



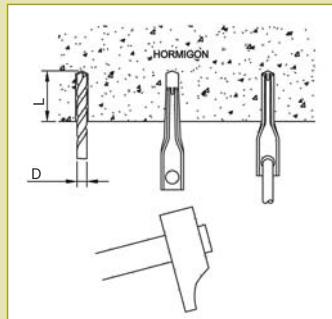
B mm.	A mm.	∅	Kg.		Cód.	Ref.	€/100
Acabado / Finition / Finishing / Endverarbeitung: CINCADO							
25	1'5	5'4	20	100	1001367550	141 ZN	28,10
Lacado blanco - Laqué blanc - White lacquer - Weisslackiert							
25	1'5	5'4	20	100	1001367590	141 L	83,20



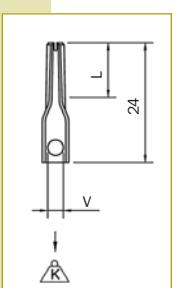
∅ V mm.	Prof. min. anclaje "L" mm.	∅ D mm.	Kg.		Cód.	Ref.	€/100
4	20	8	40	100	10013530	270	13,60



MONTAJE - MONTAGE - INSTALLATION - MONTAGE:



ATENCIÓN:
Usar sólo en hormigón no fisurado.
Use only on non-cracked concrete.

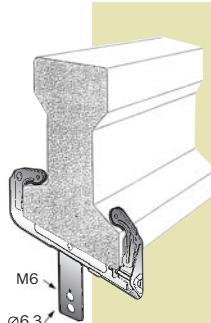
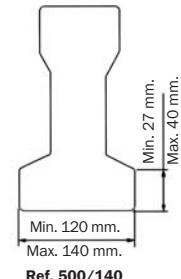
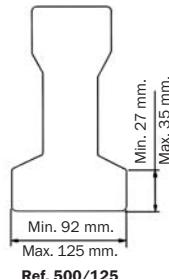
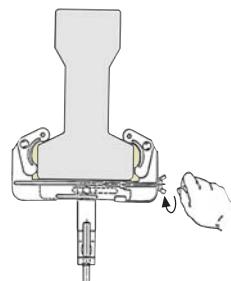
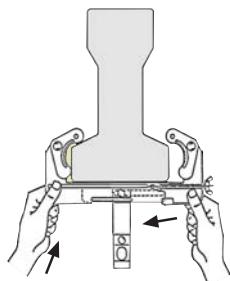
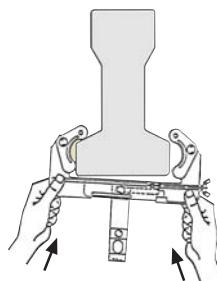


Elementos de fijación rápida Elements de fixation rapide

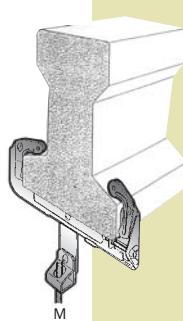
Quick attachment devices Schnellen befestigungselemente

SOPORTE PARA VIGAS DE HORMIGÓN - SUPPORT POUR POUTRE EN BETÓN CONCRETE BEAM SUPPORT - STÜTZE FÜR BETONBALKEN

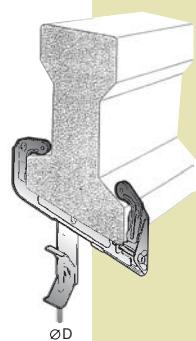
MONTAJE - MONTAGE - INSTALLATION - MONTAGE:



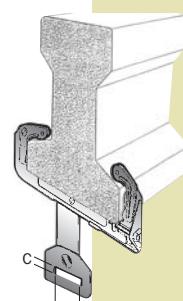
Kg.		Cód.	Ref.	€/100
90	50	10013267	500/125	391,00
90	50	10013282	500/140	391,00



M	Kg.		Cód.	Ref.	€/100
M6	70	50	10013268	500-210/125	492,80
M6	70	50	10013283	500-210/140	492,80
M8	70	50	10013269	500-211/125	492,80
M8	70	50	10013284	500-211/140	492,80
M10	70	50	10013270	500-212/125	492,80
M10	70	50	10013285	500-212/140	492,80



ØD mm.	Kg.		Cód.	Ref.	€/100
4	60	100	10013271	500-220/125	471,30
4	60	100	10013286	500-220/140	471,30
6	60	100	10013272	500-221/125	471,30
6	60	100	10013287	500-221/140	471,30

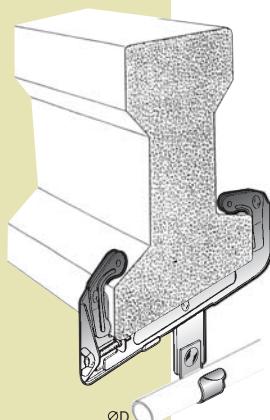


B x C	Kg.		Cód.	Ref.	€/100
28 x 6'5	45	50	10013273	500-230/125	460,60
28 x 6'5	45	50	10013288	500-230/140	460,60

Elementos de fijación rápida Elements de fixation rapide

Quick attachment devices Schnellen befestigungselemente

ØD mm.		Cód.	Ref.	€/100
12-14	50	10013274	500-310.1/125	466,00
12-14	50	10013289	500-310.1/140	466,00
15-18	50	10013275	500-312.1/125	471,30
15-18	50	10013290	500-312.1/140	471,30
19-24	50	10013276	500-314.1/125	482,00
19-24	50	10013291	500-314.1/140	482,00
25-30	50	10013277	500-316.1/125	485,20
25-30	50	10013292	500-316.1/140	485,20
31-35	50	10013278	500-317.1/125	487,40
31-35	50	10013293	500-317.1/140	487,40
36-40	50	10013279	500-318.1/125	489,60
36-40	50	10013294	500-318.1/140	489,60
41-45	50	10013280	500-319.1/125	492,80
41-45	50	10013295	500-319.1/140	492,80
46-50	50	10013281	500-320.1/125	495,90
46-50	50	10013296	500-320.1/140	495,90

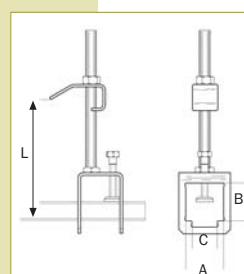
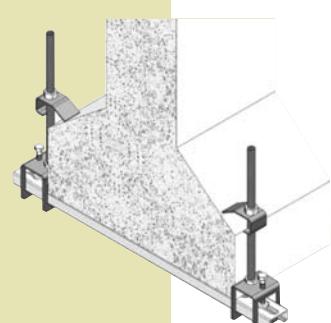


L mm. (*) min. max.	A x B / C mm.	Kg.	Cód.	Ref.	€/100
30 150	43x23/28	75	20	10013480	510 621,30
30 150	43x43/28	75	20	10013481	520 653,40

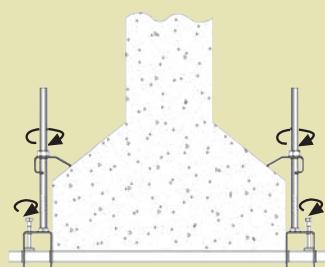
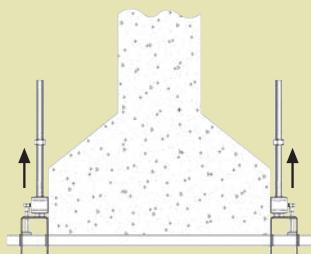
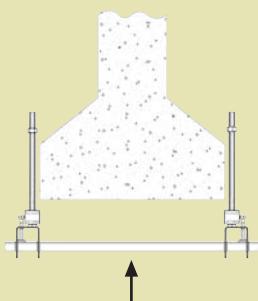
(*) Consultar para otras longitudes / Other lenghts on request.

- Fácil y cómoda instalación
- Sin necesidad de taladrar la viga
- Alta capacidad de agarre
- Altura de vidas: de 30 a 160 mm.
- Se adapta a la mayoría de perfiles
- No incluye el perfil

- Easy and simple installation
- No drilling required
- High application loads
- Beams from 30 to 160 mm. high
- Suitable to most common profiles
- Profile not included



MONTAJE - MONTAGE - INSTALLATION - MONTAGE:



COD. - REF.



Cód.	Ref.	Pág.	Cód.	Ref.	Pág.	Cód.	Ref.	Pág.	Cód.	Ref.	Pág.	Cód.	Ref.	Pág.
10013001	100	6	10013061	100-318.1	8	1001311350	110-221 DT	12	1001317150	100-250 DT	9	1001355250	103-280 DT	7
1001300150	100 DT	6	1001306150	100-318.1 DT	8	10013114	110-230	12	1001317250	101-250 DT	9	1001355350	103-281 DT	7
10013002	101	6	10013062	100-319.1	8	1001311450	110-230 DT	12	1001317350	102-250 DT	9	1001355450	103-282 DT	7
1001300250	101 DT	6	1001306250	100-319.1 DT	8	10013115	110-310.1	13	1001317450	103-250 DT	9	1001355550	104-280 DT	10
10013003	102	6	10013063	100-320.1	8	1001311550	110-310.1 DT	13	1001317550	110-250 DT	11	1001355650	104-281 DT	10
1001300350	102 DT	6	1001306350	100-320.1 DT	8	10013116	110-312.1	13	1001317650	111-250 DT	11	1001355750	104-282 DT	10
10013004	103	6	10013064	101-210	7	1001311650	110-312.1 DT	13	1001317750	112-250 DT	11	1001355850	105-280 DT	10
1001300450	103 DT	6	1001306450	101-210 DT	7	10013117	110-314.1	13	1001317850	113-250 DT	11	1001355950	105-281 DT	10
10013005	104	10	10013065	101-211	7	1001311750	110-314.1 DT	13	1001317950	120-250 DT	15	1001356050	105-282 DT	10
1001300550	104 DT	10	1001306550	101-211 DT	7	10013118	110-316.1	13	10013180	M8 T8	21	1001356150	106-280 DT	10
10013006	104 T-M6	10	10013066	101-212	7	1001311850	110-316.1 DT	13	10013181	D9 T8	21	1001356250	106-281 DT	10
1001300650	104 T-M6 DT	10	1001306650	101-212 DT	7	10013119	110-317.1	13	10013182	M8 T10	21	1001356350	106-282 DT	10
10013007	105	10	10013067	101-220	9	1001311950	110-317.1 DT	13	10013183	D9 T10	21	1001356450	110-280 DT	12
1001300750	105 DT	10	1001306750	101-220 DT	9	10013120	110-318.1	13	10013184	M10 T10	21	1001356550	110-281 DT	12
10013008	105 T-M6	10	10013068	101-221	9	1001312050	110-318.1 DT	13	10013185	D11 T10	21	1001356650	110-282 DT	12
1001300850	105 T-M6 DT	10	1001306850	101-221 DT	9	10013121	110-319.1	13	10013186	M12 T10	21	1001356750	111-280 DT	12
10013009	106	10	10013069	101-230	6	1001312150	110-319.1 DT	13	10013187	D13 T10	21	1001356850	111-281 DT	12
1001300950	106 DT	10	1001306950	101-230 DT	6	10013122	110-320.1	13	10013190	101 AP-R	6	1001356950	111-282 DT	12
10013010	106 T-M6	10	10013070	101-231	9	1001312250	110-320.1 DT	13	1001319050	101 AP-R DT	6	1001357050	112-280 DT	12
1001301050	106 T-M6 DT	10	1001307050	101-231 DT	9	10013123	111-210	11	10013191	102 AP-R	6	1001357150	112-281 DT	12
10013011	110	11	10013071	101-310.1	8	1001312350	111-210 DT	11	1001319150	102 AP-R DT	6	1001357250	112-282 DT	12
1001301150	110 DT	11	1001307150	101-310.1 DT	8	10013124	111-211	11	10013195	101 AP-T	6	1001357350	113-280 DT	12
10013012	111	11	10013072	101-312.1	8	1001312450	111-211 DT	11	1001319550	101 AP-T DT	6	1001357450	113-281 DT	12
1001301250	111 DT	11	1001307250	101-312.1 DT	8	10013125	111-212	11	10013196	102 AP-T	6	1001357550	113-282 DT	12
10013013	112	11	10013073	101-314.1	8	1001312550	111-212 DT	11	1001319650	102 AP-T DT	6	1001357650	120-280 DT	15
1001301350	112 DT	11	1001307350	101-314.1 DT	8	10013126	111-220	12	10013206	104 T-M8	10	1001357750	120-281 DT	15
10013014	113	11	10013074	101-316.1	8	1001312650	111-220 DT	12	1001320650	104 T-M8 DT	10	1001357850	120-282 DT	15
1001301450	113 DT	11	1001307450	101-316.1 DT	8	10013127	111-221	12	10013208	105 T-M8	10	1001357950	131-280 H DT	20
1001301850	250 DT	17	10013075	101-317.1	8	1001312750	111-221 DT	12	1001320850	105 T-M8 DT	10	1001358050	131-281 H DT	20
10013020	210	17	1001307550	101-317.1 DT	8	10013128	111-230	12	100132120	106 T-M8	10	1001358150	131-282 H DT	20
1001302050	210 DT	17	10013076	101-318.1	8	1001312850	111-230 DT	12	1001321050	106 T-M8 DT	10	1001358250	131-280 V DT	20
10013021	211	17	1001307650	101-318.1 DT	8	10013129	111-310.1	13	1001323050	260 DT	24	1001358350	131-281 V DT	20
1001302150	211 DT	17	10013077	101-319.1	8	1001312950	111-310.1 DT	13	10013256	112-220	24	1001358450	131-282 V DT	20
10013022	212	17	1001307750	101-319.1 DT	8	10013130	111-312.1	13	1001325650	112-220 DT	24	10013600	M6 T8	21
1001302250	212 DT	17	10013078	101-320.1	8	1001313050	111-312.1 DT	13	10013257	112-221	24	10013601	M6 T10	21
10013023	220	17	1001307850	101-320.1 DT	8	10013131	111-314.1	13	1001325750	112-221 DT	24	10013602	D7 T8	21
1001302350	220 DT	17	10013079	102-210	7	1001313150	111-314.1 DT	13	10013258	307.2	14	10013603	D7 T10	21
10013024	221	17	1001307950	102-210 DT	7	10013132	111-316.1	13	1001325850	307.2 DT	14	10013604	M16 T12	21
1001302450	221 DT	17	10013080	102-211	7	1001313250	111-316.1 DT	13	10013259	309.2	14	10013605	D17 T12	21
10013025	230	17	1001308050	102-211 DT	7	10013133	111-317.1	13	1001325950	309.2 DT	14	1001365050	130 DT	20
1001302550	230 DT	17	10013081	102-212	7	1001313350	111-317.1 DT	13	10013260	311.2	14	1001367150	140 T-9 ZN	26
10013027	306	14	1001308150	102-212 DT	7	10013134	111-318.1	13	1001326050	311.2 DT	14	1001367250	140 T-16 ZN	26
1001302750	306 DT	14	10013082	102-220	9	1001313450	111-318.1 DT	13	10013261	313.2	14	1001367350	140 T-25 ZN	26
10013028	307	14	1001308250	102-220 DT	9	10013135	111-319.1	13	1001326150	313.2 DT	14	1001367450	140 T-9 L	26
1001302850	307 DT	14	10013083	102-221	9	1001313550	111-319.1 DT	13	10013262	315.2	14	1001367290	140 T-16 L	26
10013029	308	14	1001308350	102-221 DT	9	10013136	111-320.1	13	1001326250	315.2 DT	14	1001367390	140 T-25 L	26
1001302950	308 DT	14	10013084	102-230	6	1001313650	111-320.1 DT	13	10013263	317.2	14	1001367450	290 ZN	26
10013030	309	14	1001308450	102-230 DT	6	10013137	112-210	11	1001326350	317.2 DT	14	1001367550	141 ZN	26
1001303050	309 DT	14	10013085	102-231	9	1001313750	112-210 DT	11	1001326450	240 DT	25	1001367650	141 L	26
10013031	310	14	1001308550	102-231 DT	9	10013138	112-211	11	1001326550	241 DT	25	1001368050	150 DT	19
1001303150	310 DT	14	10013086	102-310.1	8	1001313850	112-211 DT	11	10013267	500/125	27	1001368150	150-210 DT	19
10013032	310.1	18	1001308650	102-310.1 DT	8	10013139	112-212	11	10013268	500-210/125	27	1001368250	150-211 DT	19
1001303250	310.1 DT	18	10013087	102-312.1	8	1001313950	112-212 DT	11	10013269	500-211/125	27	1001368350	150-212 DT	19
10013033	311	14	1001308750	102-312.1 DT	8	10013140	112-220	12	10013270	500-212/125	27	1001368450	150-230 DT	19
1001303350	311 DT	14	10013088	102-314.1	8	1001314050	112-220 DT	12	10013271	500-220/125	27	1001368550	150-220 DT	19
10013034	312	14	1001308850	102-314.1 DT	8	10013141	112-221	12	10013272	500-221/125	27	1001368650	150-221 DT	19
1001303450	312 DT	18	1001308950	102-316.1 DT	8	10013142	112-230	12	10013274	500-310.1/125	28	1001369050	304 DT	14
10013035	312.1	18	10013090	102-317.1	8	1001314250	112-230 DT	12	10013275	500-312.1/125	28	10013691	305	14
10013036	313	14	1001309050	102-320.1 DT	8	10013143	112-310.1	13	10013276	500-314.1/125	28	1001369150	305 DT	14
1001303650	313 DT	14	10013091	102-318.1	8	1001314350	112-310.1 DT	13	10013277	500-316.1/125	28	10013692	305.2	14
10013037	314	14	1001309150	102-318.1 DT	8	10013144	112-312.1	13	10013278	500-317.1/125	28	1001369250	305.2 DT	14
1001303750	314 DT	14	1001309250	102-319.1 DT	8	10013145	112-314.1	13	10013279	500-319.1/125	28	10013701	MX2L-15-2	22
10013038	314.1	18	10013093	102-320.1	7	1001314550	112-314.1 DT	13	10013281	500-320.1/125	28	10013703	MX2L-15-2	22
10013039	315	14	1001309350	102-320.1 DT</td										

Ref.	Cód.	Pág.	Ref.	Cód.	Pág.	Ref.	Cód.	Pág.	Ref.	Cód.	Pág.	Ref.	Cód.	Pág.
100	10013001	6	102-314.1 DT	1001308850	8	110-319.1 DT	1001312150	13	113-319.1	10013163	13	312.1 DT	1001303550	18
100 DT	1001300150	6	102-316.1	10013089	8	110-320.1	10013122	13	113-319.1 DT	1001316350	13	313	10013036	14
100-210	10013049	7	102-316.1 DT	1001308950	8	110-320.1 DT	1001312250	13	113-320.1	10013164	13	313 DT	1001303650	14
100-210 DT	1001304950	7	102-317.1	10013090	8	111	10013012	11	113-320.1 DT	1001316450	13	313.2	10013261	14
100-211	10013050	7	102-317.1 DT	1001309050	8	111 DT	1001301250	11	120	10013170	15	313.2 DT	1001326150	14
100-211 DT	1001305050	7	102-318.1	10013091	8	111-210	10013123	11	120 DT	1001317050	15	314	10013037	14
100-212	10013051	7	102-318.1 DT	1001309150	8	111-210 DT	1001312350	11	120-210	10013850	15	314 DT	1001303750	14
100-212 DT	1001305150	7	102-319.1	10013092	8	111-211	10013124	11	120-210 DT	1001385050	15	314.1	10013038	18
100-220	10013052	9	102-319.1 DT	1001309250	8	111-211 DT	1001312450	11	120-211	10013851	15	314.1 DT	1001303850	18
100-220 DT	1001305250	9	102-320.1	10013093	8	111-212	10013125	11	120-211 DT	1001385150	15	315	10013039	14
100-221	10013053	9	102-320.1 DT	1001309350	8	111-212 DT	1001312550	11	120-212	10013852	15	315 DT	1001303950	14
100-221 DT	1001305350	9	103	10013004	6	111-220	10013126	12	120-212 DT	1001385250	15	315.2	10013262	14
100-230	10013054	6	103 DT	1001300450	6	111-220 DT	1001312650	12	120-250	1001317950	15	315.2 DT	1001326250	14
100-230 DT	1001305450	6	103-210	10013094	7	111-221	10013127	12	120-280	1001357650	15	316	10013040	14
100-231	10013055	9	103-210 DT	1001309450	7	111-221 DT	1001312750	12	120-281	1001357750	15	316 DT	1001304050	14
100-231 DT	1001305550	9	103-211	10013095	7	111-230	10013128	12	120-282	1001357850	15	316.1	10013041	18
100-250	1001317150	9	103-211 DT	1001309550	7	111-230 DT	1001312850	12	130 DT	1001365050	20	316.1 DT	1001304150	18
100-280	1001354350	7	103-212	10013096	7	111-250	1001317650	11	131-280 H DT	1001357950	20	317	10013042	14
100-281	1001354450	7	103-212 DT	1001309650	7	111-280 DT	1001356750	12	131-281 H DT	1001358050	20	317 DT	1001304250	14
100-282	1001354550	7	103-220	10013097	9	111-281	1001356850	12	131-282 H DT	1001358150	20	317.1	10013043	18
100-310.1	10013056	8	103-220 DT	1001309750	9	111-282	1001356950	12	131-280 V DT	1001358250	20	317.1 DT	1001304350	18
100-310.1 DT	1001305650	8	103-221	10013098	9	111-310.1	10013129	13	131-281 V DT	1001358350	20	317.2	10013263	14
100-312.1	10013057	8	103-221 DT	1001309850	9	111-310.1 DT	1001312950	13	131-282 V DT	1001358450	20	317.2 DT	1001326350	14
100-312.1 DT	1001305750	8	103-230	10013099	6	111-312.1	10013130	13	140 T-9 DT	1001367150	26	318.1	10013044	18
100-314.1	10013058	8	103-230 DT	1001309950	6	111-312.1 DT	1001313050	13	140 T-9 L	1001367190	26	318.1 DT	1001304450	18
100-314.1 DT	1001305850	8	103-231	10013100	9	111-314.1	10013131	13	140 T-16 DT	1001367250	26	319.1	10013045	18
100-316.1	10013059	8	103-231 DT	1001310050	9	111-314.1 DT	1001313150	13	140 T-16 L	1001367290	26	319.1 DT	1001304550	18
100-316.1 DT	1001305950	8	103-250	1001317450	9	111-316.1	10013132	13	140 T-25 DT	1001367350	26	320.1	10013046	18
100-317.1	10013060	8	103-280	1001355250	7	111-316.1 DT	1001313250	13	140 T-25 L	1001367390	26	320.1 DT	1001304650	18
100-317.1 DT	1001306050	8	103-281	1001355350	7	111-317.1	10013133	13	141 DT	1001367550	26	500/125	10013267	27
100-318.1	10013061	8	103-282	1001355450	7	111-317.1 DT	1001313350	13	141 L	1001367590	26	500/140	10013282	27
100-318.1 DT	1001306150	8	103-310.1	10013101	8	111-318.1	10013134	13	150 DT	1001368050	19	500-210/125	10013268	27
100-319.1	10013062	8	103-310.1 DT	1001310150	8	111-318.1 DT	1001313450	13	150-210	1001368150	19	500-210/140	10013283	27
100-319.1 DT	1001306250	8	103-312.1	10013102	8	111-319.1	10013135	13	150-211	1001368250	19	500-211/125	10013269	27
100-320.1	10013063	8	103-312.1 DT	1001310250	8	111-319.1 DT	1001313550	13	150-212	1001368350	19	500-211/140	10013284	27
100-320.1 DT	1001306350	8	103-314.1	10013103	8	111-320.1	10013136	13	150-220	1001368550	19	500-212/125	10013270	27
101	10013002	6	103-314.1 DT	1001310350	8	111-320.1 DT	1001313650	13	150-221	1001368650	19	500-212/140	10013285	27
101 DT	1001300250	6	103-316.1	10013104	8	112	10013013	11	150-230	1001368450	19	500-220/125	10013271	28
101 AP-R	10013190	6	103-316.1 DT	1001310450	8	112 DT	1001301350	11	160 DT	1001380050	16	500-220/140	10013286	28
101 AP-R DT	1001319050	6	103-317.1	10013105	8	112-210	10013137	11	160-280	1001380350	16	500-221/125	10013272	28
101 AP-T	10013195	6	103-317.1 DT	1001310550	8	112-210 DT	1001313750	11	160-281	1001380450	16	500-221/140	10013287	28
101 AP-T DT	1001319550	6	103-318.1	10013106	8	112-211	10013138	11	160-282	1001380550	16	500-230/125	10013273	28
101-210	10013064	7	103-318.1 DT	1001310650	8	112-211 DT	1001313850	11	161 DT	1001380150	16	500-230/140	10013288	28
101-210 DT	1001306450	7	103-319.1	10013107	8	112-212	10013139	11	161-280	1001380650	16	500-310.1/125	10013274	28
101-211	10013065	7	103-319.1 DT	1001310750	8	112-212 DT	1001313950	11	161-281	1001380750	16	500-310.1/140	10013289	28
101-211 DT	1001306550	7	103-320.1	10013108	8	112-220	10013140	12	161-282	1001380850	16	500-312.1/125	10013275	28
101-212	10013066	7	103-320.1 DT	1001310850	8	112-220 DT	1001314050	12	162 DT	1001380250	16	500-312.1/140	10013290	28
101-212 DT	1001306650	7	104	10013005	10	112-221	10013141	12	162-280	1001380950	16	500-314.1/125	10013276	28
101-220	1001306750	9	104 T-M6	10013006	10	112-221 DT	1001314150	12	162-281	1001381050	16	500-314.1/140	10013291	28
101-221	10013068	9	104 T-M6 DT	1001300650	10	112-222	10013142	24	162-282	1001381150	16	500-316.1/125	10013277	28
101-221 DT	1001306850	9	104 T-M8	100130206	10	112-222 DT	1001314250	24	210	10013020	17	500-316.1/140	10013292	28
101-230	10013069	6	104 T-M8 DT	1001320650	10	112-222 DT	10013125750	24	211	10013021	17	500-317.1/125	10013278	28
101-230 DT	1001306950	6	104-280	1001355550	10	112-230	10013142	12	211 DT	1001302150	17	500-317.1/140	10013279	28
101-231	10013070	9	104-281 DT	1001355650	10	112-310.1	1001314250	12	212	10013022	17	500-318.1/125	10013294	28
101-231 DT	1001307050	9	104-282 DT	1001355750	10	112-320.1	1001317750	11	212 DT	1001302250	17	500-319.1/125	10013280	28
101-250	1001317250	7	105 DT	1001300750	10	112-281 DT	1001317150	12	220 DT	1001302350	17	500-320.1/125	10013281	28
101-281	1001354750	7	105 T-M6	10013008	10	112-282 DT	1001317250	12	221	10013024	17	500-320.1/140	10013296	28
101-282	1001354850	7	105 T-M6 DT	1001300850	10	112-310.1	10013143	13	221 DT	1001302450	17	630	10013430	25
101-310.1	10013071	8	105 T-M8	100130208	10	112-310.1 DT	1001314350	13	230	10013025	17	631	10013431	25
101-310.1 DT	1001307150	8	105 T-M8 DT	1001320850	10	112-312.1	10013144	13	230 DT	1001302550	17	640	10013433	25
101-312.1	10013072	8	105-280 DT	1001355850	10	112-312.1 DT	1001314450	13	240 DT	1001326450	25	643	10013436	25
101-312.1 DT	1001307250	8	105-281 DT	1001355950	10	112-314.1	10013145	13	240 DT - 640	10013451	25	649	10013442	25
101-314.1	10013073	8	105-282 DT	1001356050</										

Elementos de fijación rápida

Elements de fixation rapide

Quick attachment devices

Schnellen befestigungselemente

Especialistas en la **estampación en acero elástico con tratamiento térmico**, además de los clips de fijación rápida, S.A. SINARD es el fabricante de una amplia gama de productos:

- **Piezas normalizadas según norma:** pasadores elásticos ISO 8752 (DIN 1481), ISO 8750 (DIN 7343), ISO 8748 (DIN 7344), muelles de platillo DIN 2093, aranlocks®, anillos y arandelas DIN 137, DIN 471, DIN 6799, DIN 6798...
- **Fabricación de piezas especiales:** S.A. SINARD ofrece una solución completa y global en la fabricación de piezas según plano: desde el diseño y la fabricación de la matriz, hasta la estampación de las piezas y su posterior tratamiento térmico.

No dude en consultarnos para mayor información.

Spécialistes dans l'**emboutissage en acier élastique avec traitement thermique**, ainsi que des Éléments de Fixation Rapide, S.A. SINARD est fabricant d'une vaste gamme de produits:

- **Pièces normalisées selon norme:** goupilles élastiques ISO 8752 (DIN 1481), ISO 8752 (DIN 7343), ISO 8748 (DIN 7344), ressorts à plateaux DIN 2093, aranlocks®, anneaux et rondelles DIN 137, DIN 471, DIN 6799, DIN 6798...
- **Fabrication des pièces spéciales:** S.A. SINARD offre une solution globale et complète dans la fabrication des pièces selon plan, avec traitement thermique: du dessin et la fabrication de l'outillage jusqu'à l'estampage des pièces et postérieur traitement thermique.

Veuillez nous consulter si vous avez besoin de plus information.

Specialists in **heat treated spring steel stamping**, as well as Quick Attachment Devices, S.A. SINARD is manufacturer of a wide range of products:

- **Standard pieces according to norm:** spring pins ISO8752 (DIN 1481), ISO 8752 (DIN 7343), ISO 8748 (DIN 7344), disc springs DIN 2093, aranlocks®, rings and washers DIN 137, DIN 471, DIN 6799, DIN 6798...
- **Production of special pieces:** S.A. SINARD offers you a global complete solution in the manufacturing of pieces according to drawings, with heat treatment; from design and production of tools to the piece stamping and subsequent heat treatment.

Should you need further information, please do not hesitate to contact us.

Als Spezialist im **Stanzen von elastischem Stahl** mit thermischer Behandlung, verfügt S.A. Sinard zusätzlich zu den Express-Klammern, über ein breites Produktangebot:

- **Normteile:** elastische Spannstifte ISO 8752 (DIN 1481), ISO 8750 (DIN 7343), ISO 8748 (DIN 7344), Tellerfedern DIN 2093, Aranlocks®, Sicherungsringe und Scheiben DIN 137, DIN 471, DIN 6799, DIN 6798...
- **Fertigung von Sonderheiten:** S.A. SINARD bietet eine komplette Lösung durch die Fertigung von Sonderheiten nach Zeichnung, inklusive thermischer Behandlung: angefangen bei Entwurf und Herstellung der Matrize, bis zum Stanzen der Teile und anschließender thermischen Behandlung.

Gerne geben wir Ihnen ausführlichere Information.



ISO 8752 (DIN 1481)



ISO 8750 (DIN 7343)
ISO 8748 (DIN 7344)



DIN 2093



ARANLOCKS



DIN 6799



CLIP



DIN 471



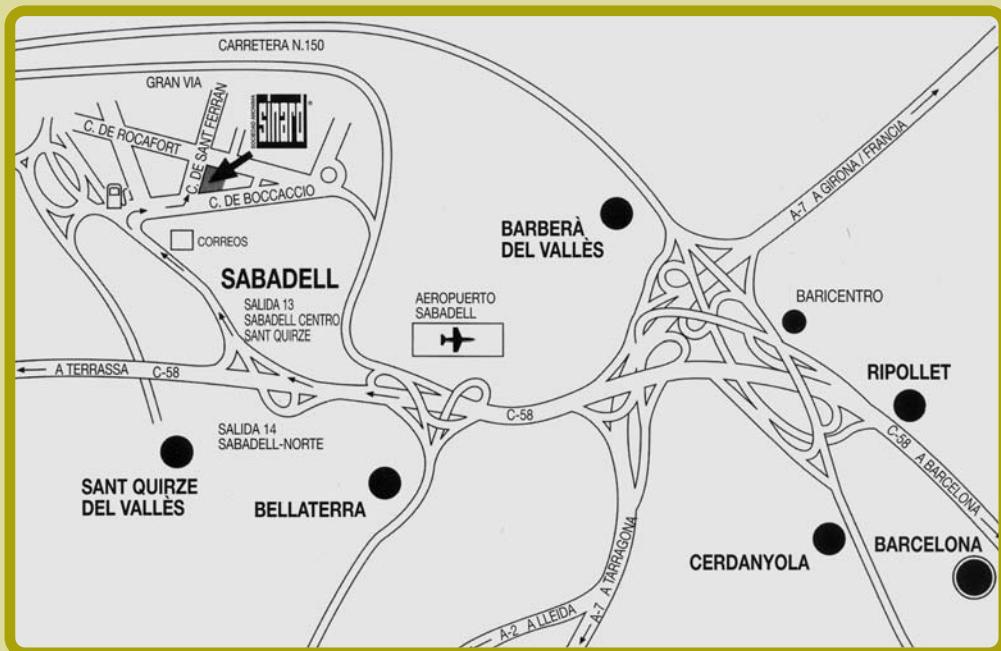
DIN 6798



DIN 137



A. RETENCION



Estampaciones en acero elástico con tratamiento térmico

Estampages en acier élastique avec traitement thermique

Heat treated spring steel stampings

Metallstanzarbeiten auf elastischem stahl mit thermischer behandlung

Rocafort, 66 - Apartado de correos 3224

08205 Sabadell

Tel. 93 710 47 00 - Fax. 93 710 47 12

comercial@sinard.es - Export: sinard@sinard.es

www.sinard.es