

## ATTREZZATURA

per stendimento di conduttori  
e di cavi aerei isolati



**EQUIPMENT**  
for stringing aerial conductors  
and insulated cables



## ATTREZZATURA

per stendimento di cavi  
aerei telefonici



**EQUIPMENT**  
for stringing aerial telephone cables

# ATTREZZATURA EQUIPMENT

## Carrucole per stendimento cavi aerei isolati Pulley blocks for stringing aerial insulated cables

Carrucole adatte per lo stendimento di conduttori aerei in rame o alluminio BT – cavi precordati aerei BT; Provviste di ruota in nylon o alluminio, montata con cuscinetti a sfere su un telaio in acciaio zincato di tipo apribile.

Pulley blocks fit for stringing copper or aluminium LV aerial conductors – insulated twisted cables LV; provided of nylon or aluminium sheave mounted with ball-bearings on a galvanized steel frame, opening type.



### Dati tecnici / Technical data:

Cod. Articolo Article Code	b	kg	V	kg	mm	mm	mm	kg
X1841300	68 mm	1500 kg	5	300 kg	148 mm	78 mm	48 mm	1,5 kg
X2324500	68 mm	1500 kg	5	300 kg	148 mm	78 mm	48 mm	1,7 kg
X23831000	68 mm	1500 kg	5	300 kg	148 mm	78 mm	48mm	1,6 kg



### Dati tecnici / Technical data:

Cod. Articolo Article Code	b	kg	V	kg	mm	mm	mm	kg
M026/1000	68 mm	1000 kg	5	200 kg	148 mm	78 mm	48 mm	2,5 kg

Cod. Articolo Article Code	h	b	kg	V	kg	mm	mm	mm	kg
M026A000	425mm	68 mm	5000 kg	5	1000 kg	148 mm	78 mm	48 mm	4,3 kg

# ATTREZZATURA EQUIPMENT

## Carrucole per stendimento cavi aerei isolati Pulley blocks for stringing aerial insulated cables

Carrucole adatte per lo stendimento di cavi precordati aerei BT - conduttori aerei isolati MT; Provviste di ruota in nylon o alluminio, montata con cuscinetti a sfere su un telaio in acciaio zincato di tipo apribile.

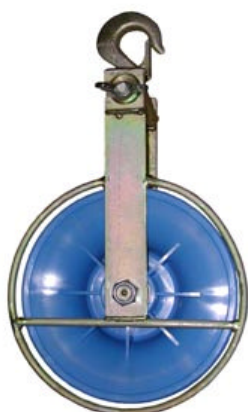
Pulley blocks fit for stringing insulated twisted cables LV - insulated aerial MV conductors; provided of nylon or aluminium sheave mounted with ball-bearings on a galvanized steel frame, opening type.

### Dati tecnici / Technical data:



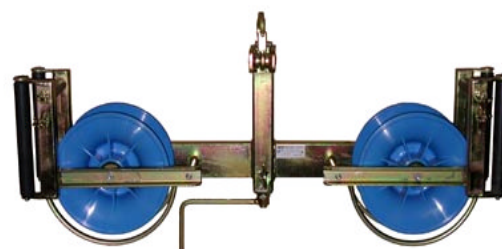
Cod. Articolo Article Code	b	kg	V	kg	mm	mm	b	kg
X2264B000	85 mm	2500 kg	5	500 kg	240 mm	130 mm	70 mm	4 kg

Cod. Articolo Article Code	b	kg	V	kg	mm	mm	b	kg
XRG240000	84 mm	2500 kg	5	500 kg	240 mm	140 mm	65 mm	5,5 kg



Cod. Articolo Article Code	b	kg	V	kg	mm	mm	b	kg
X2265B000	120 mm	5000 kg	5	1000 kg	270 mm	140 mm	100 mm	8,5 kg

Cod. Articolo Article Code	b	kg	V	kg	mm	mm	b	kg
XEA02320	120 mm	5000 kg	5	1000 kg	270 mm	140 mm	100 mm	25 kg



# ATTREZZATURA EQUIPMENT

## Carrucole per stendimento cavi aerei telefonici Pulley blocks for stringing aerial telephone cables

Carrucole adatte per lo stendimento di cavi aerei telefonici; provviste di ruota in nylon, montata su un telaio in acciaio zincato di tipo apribile.  
Pulley blocks fit for stringing aerial telephone cables; provided of nylon sheave assembled on a galvanized steel frame, opening type.

### Dati tecnici / Technical data:



Cod. Articolo Article Code	b	↓ kg	V	↓ kg	Diagram 1	Diagram 2	b	kg
<b>XE12050RNS</b>	65mm	1000 kg	5	200 kg	98mm	48mm	54mm	0,6kg



Cod. Articolo Article Code	b	↓ kg	V	↓ kg	Diagram 1	Diagram 2	b	kg
<b>XE12050RNG</b>	65 mm	500 kg	5	100 kg	99 mm	49 mm	48 mm	0,7 kg



Cod. Articolo Article Code	b	↓ kg	V	↓ kg	Diagram 1	Diagram 2	b	kg
<b>XE12050RNO</b>	65 mm	1500 kg	5	300 kg	99 mm	49 mm	48 mm	0,6 kg

# ATTREZZATURA EQUIPMENT

# Carrucole per lo stendimento di conduttori aerei Running out pulley blocks for aerial conductors

Carrucole adatte per lo stendimento di conduttori aerei in rame, alluminio e alluminio/acciaio; Provviste di ruota in nylon o alluminio, montata su cuscinetti a fere su un telaio in acciaio zincato di tipo apribile.

Pulley blocks fit for stringing aerial copper, aluminium, aluminium /steel conductors; provided of nylon or aluminium sheave mounted with ball bearings on a galvanized steel frame, opening type.



## Dati tecnici / Technical data:

Cod. Articolo Article Code	b	kg	V	kg	mm	mm	b	kg
<b>X51222860</b>	30mm	2500 kg	5	500 kg	120mm	90mm	20mm	1 kg



Cod. Articolo Article Code	b	kg	V	kg	mm	mm	b	kg
<b>XE19035400</b>	46 mm	2500 kg	5	500 kg	200 mm	150 mm	35 mm	3 kg



Cod. Articolo Article Code	b	kg	V	kg	mm	mm	b	kg
<b>S680-1300</b>	85 mm	1500 kg	5	300 kg	130 mm	60 mm	70 mm	2,5 kg



Cod. Articolo Article Code	kg	V	kg	mm	mm	b	kg
<b>S680-1350</b>	1500 kg	5	300 kg	130 mm	60 mm	70 mm	2,5 kg

# ATTREZZATURA EQUIPMENT

## Carrucole per lo stendimento di conduttori aerei Running out pulley blocks for aerial conductors

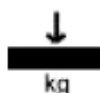
Carrucole adatte per lo stendimento di conduttori aerei in rame, alluminio e alluminio/acciaio; Provviste di ruota in nylon o alluminio, montata su cuscinetti a fere su un telaio in acciaio zincato di tipo apribile.

Pulley blocks fit for stringing aerial copper, aluminium, aluminium /steel conductors; provided of nylon or aluminium sheave mounted with ball bearings on a galvanized steel frame, opening type.

### Dati tecnici / Technical data:



Cod. Articolo  
Article Code



**S680-1500**

1500  
kg

5

300 kg

130  
mm

60 mm

70 mm

**3,6 Kg**

Cod. Articolo  
Article Code



**S680-1100**

2500  
kg

5

500 kg

110  
mm

76 mm

90 mm

4,5 kg

Cod. Articolo  
Article Code



**S680-2100**

2500  
kg

5

500 kg

300  
mm

200  
mm

100  
mm

8 kg

Cod. Articolo  
Article Code



**S680-1200**

3750  
kg

5

750 kg

110  
mm

76 mm

90 mm

8 kg

Cod. Articolo  
Article Code



**S680-2200**

3750  
kg

5

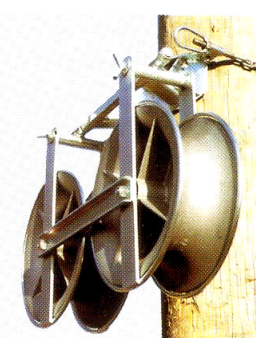
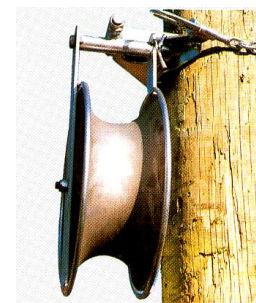
750 kg

300  
mm

200  
mm

100  
mm

17 kg

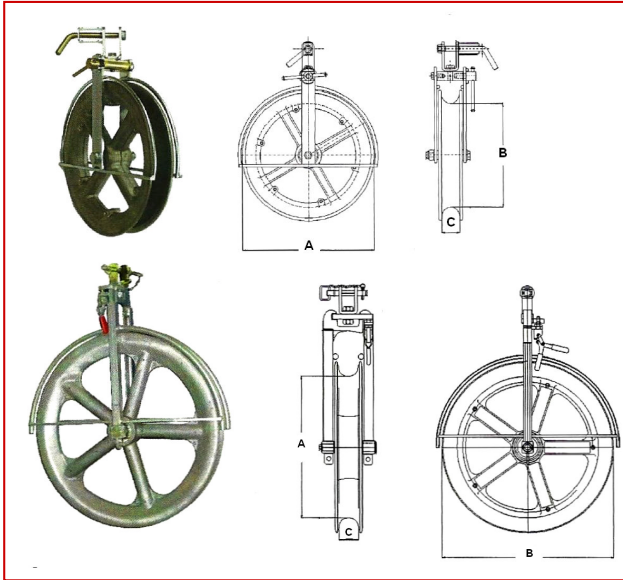


# ATTREZZATURA EQUIPMENT

## Carrucole per lo stendimento di conduttori aerei Running out pulley blocks for aerial conductors

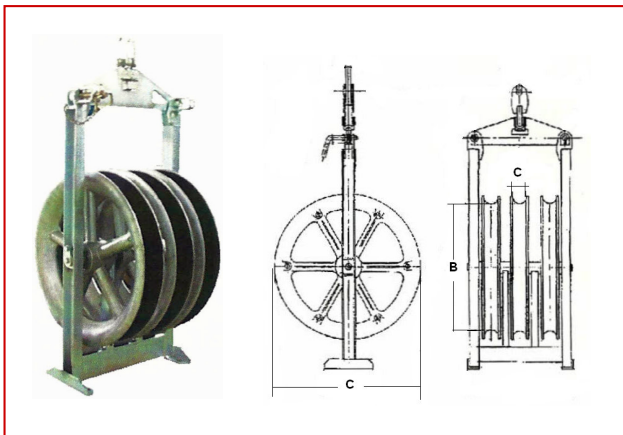
Carrucole adatte per lo stendimento di conduttori aerei in alluminio o alluminio/acciaio di linee AT; provviste di ruota in alluminio con gola rivestita con settori in nylon intercambiabili, montata su cuscinetti a fere su un telaio in acciaio zincato di tipo apribile con attacco a forcella girevole.

Pulley blocks fit for stringing aerial aluminium or aluminium /steel conductors of HV lines; provided of cast aluminium sheave with groove covered by interchangeable nylon sectors, mounted with ball bearings on a galvanized steel frame, opening type with swivel clevis attachment.



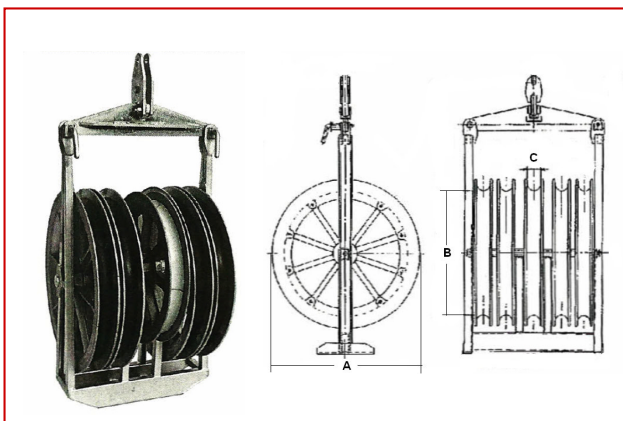
Carrucola singola, ruota in alluminio con inserto in Nylon.  
Single sheave aluminium pulley-block with nylon inserts.  
Alu-Freileitungsrolle mit Nylonmantell.  
Poulie simple en Alu avec revêtement en Nylon.

Cod. Articolo Code Article	Dimensioni Dimensions mm			C.R. B.L.	C.L. SWL	Peso Weight
	A	B	C	Kg	Kg	Kg
M025/1000	300	230	38	6000	1000	6,5
M025/2000	440	350	48	6000	1000	9,7
M025/5000	620	500	68	12000	2000	31,5
M025/3000	770	650	68	12000	2000	28,8
M025/3L00	800	650	95	12000	2000	33,7
M025/4000	920	800	68	12000	2000	34,0
M025/4L00	950	800	95	12000	2000	39,5
M025/4F01	1080	1000	60	6000	1000	38,0
M025/4F00	1100	1000	118	12000	2000	52,0



Carrucola multipla, ruote in alluminio con inserto in Nylon.  
Multiple sheaves aluminium pulley-block with Nylon inserts.  
Alu-Freileitungsrolle mit Nylonmantell.  
Poulie simple en Alu avec revêtement en Nylon.

Cod. Articolo Code Article	Dimensioni Dimensions mm			C.R. B.L.	C.L. SWL	Peso Weight
	A	B	C	Kg	Kg	Kg
M025/3/10	770	650	68	20.000	3200	110,0
M025/4/30	920	800	68	20.000	3200	125,0



Carrucola multipla, ruote in alluminio con inserto in Nylon.  
Aluminium pulley-block with neoprene inserts.  
Alu-Freileitungsrolle mit Nylonmantell.  
Poulie simple en Alu avec revêtement en Nylon.

Cod. Articolo Code Article	Dimensioni Dimensions mm			C.R. B.L.	C.L. SWL	Peso Weight
	A	B	C	Kg	Kg	Kg
M025/3/20	770	650	68	20.000	3200	155,0
M025/3/40	920	800	68	20.000	3200	180,0

# ATTREZZATURA EQUIPMENT

## Carrucole di rinvio Rigging snatch blocks

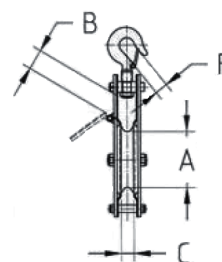
Carrucole di rinvio per funi metalliche, con telaio in acciaio zincato o in lega di alluminio, apribile sul fianco con attacco girevole a gancio con linguetta di sicurezza, ruota in acciaio o in lega di alluminio montata su cuscinetti a fere. Disponibili con varie portate.

Rigging snatch blocks for steel ropes, with galvanized steel frame or aluminium alloy, with one side opening, with swivelling hook provided of safety latch, with of steel sheave or aluminium alloy mounted with ball bearings. Available with different capacities.



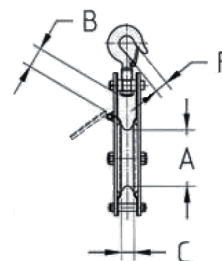
**ACCIAIO - STEEL**

Modello Model	Dimensioni – Dimensions				Portata Capacity daN	Peso weight Kg
	A	B	C	F		
M020/2000	108	40	15	28	2000	5,0
M020/3000	138	40	15	32	3000	9,5
M020/5000	185	55	30	42	5000	12,0



**ALLUMINIO - ALUMINIUM**

Modello Model	Dimensioni – Dimensions				Portata Capacity daN	Peso weight Kg
	A	B	C	F		
M020/2000AL	108	40	15	28	2000	4,5
M020/3500AL	138	40	15	32	3500	8,6





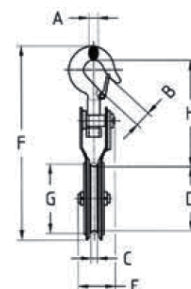
Carrucole di rinvio per funi metalliche, particolarmente adatte per i lavori di montaggio di linee aeree elettriche, con telaio in acciaio zincato o in lega di alluminio, apribile sul fianco con attacco girevole a gancio con linguetta di sicurezza, ruota in acciaio o in lega di alluminio montata su cuscinetti a fere. Disponibili con varie portate.

Rigging snatch blocks for steel ropes, particularly fit for OHTL construction works, with galvanized steel frame or aluminium alloy, with one side opening, with swivelling hook provided of safety latch, with of steel or aluminium alloy sheave mounted with ball bearings. Available with different capacities.



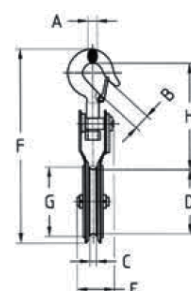
**CARRUCOLA DI RINVIO  
SNATCH BLOCK**

Modello Model	Dimensioni – Dimensions								Portata Capacity	Peso weight
	A	B	C	D	E	F	G	H	daN	Kg
M020/5000N	16	20	18	102	72	305	120	160	5000	1,6
M020/10000N	18	23	18	102	73	315	120	170	10000	1,7
M020/15000N	18	25	20	102	75	330	120	180	15000	2,0



**CARRUCOLA DI RINVIO SERIE PESANTE  
HEAVY DUTY SNATCH BLOCK**

Modello Model	Dimensioni – Dimensions								Portata Capacity	Peso weight
	A	B	C	D	E	F	G	H	daN	Kg
M020/1500A	18	25	20	105	75	340	120	180	1500	3,4
M020/2000A	23	28	25	135	85	410	150	220	2000	6,6
M020/3000A	30	34	25	135	90	440	150	240	3000	7,2
M020/5000A	39	43	30	185	95	510	200	290	5000	13,0
M020/7000A	32	32	30	205	100	470	235	210	7000	33,0
M020/10000A	41	35	32	240	110	545	277	240	10000	36,0



# ATTREZZATURA EQUIPMENT

## Carrucole di servizio Utility snatch blocks

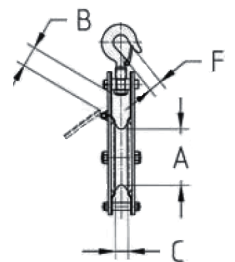
Carrucole di servizio per funi sintetiche, con telaio in acciaio o in lega di alluminio, apribile sul fianco con attacco girevole a gancio con linguetta di sicurezza, ruota in nylon o in lega di alluminio montata su cuscinetti a fere. Disponibili con varie portate.

Utility snatch blocks for steel ropes, with steel or aluminium alloy frame, with one side opening, with swivelling hook provided of safety latch, with nylon or aluminium alloy sheave mounted with ball bearings. Available with different capacities.

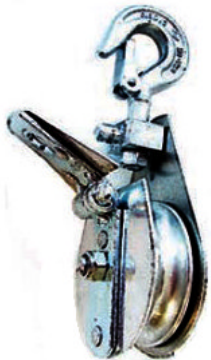
ALLUMINIO-NYLON  
ALUMINIUM-NYLON



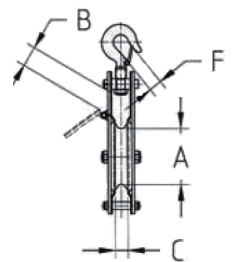
Modello Model	Dimensioni – Dimensions				Portata Capacity daN	Peso weight Kg
	A	B	C	F		
M02427N25	65	20	15	20	250	0,9
M02427N35	80	20	18	20	350	1,4
M02427N50	105	25	22	20	500	1,7
M02427N75	125	25	25	25	750	2,1



ALLUMINIO-ALLUMINIO  
ALUMINIUM-ALUMINIUM



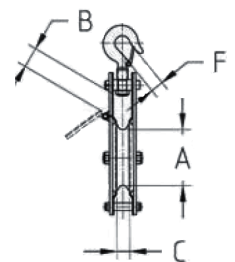
Modello Model	Dimensioni – Dimensions				Portata Capacity daN	Peso weight Kg
	A	B	C	F		
M02427A25	65	20	15	20	250	1,0
M02427N35	80	20	18	20	350	1,5
M02427A50	105	25	22	20	500	2,0
M02427A75	125	25	25	25	750	2,5
M02427NA00	125	25	25	25	1000	2,5



ACCIAIO-NYLON  
STEEL-NYLON

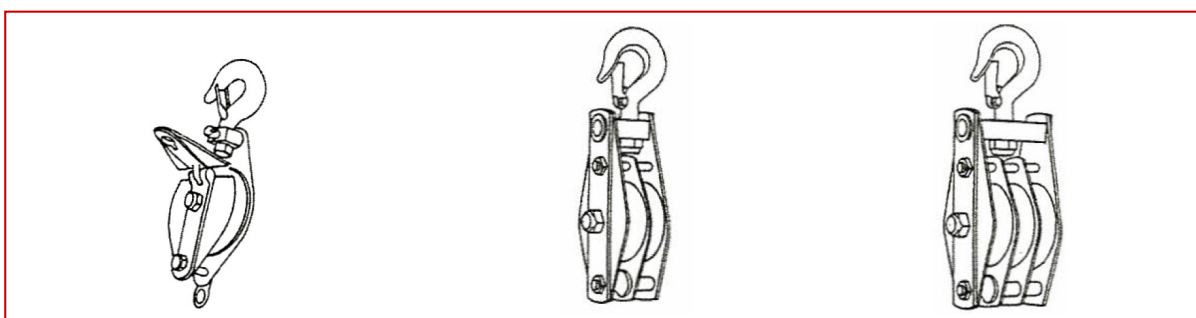


Modello Model	Dimensioni – Dimensions				Portata Capacity daN	Peso weight Kg
	A	B	C	F		
M02428N25	65	20	15	20	250	1,0
M02428N35	80	20	18	20	350	1,6
M02428N50	105	25	22	20	500	1,9
M02428N75	125	25	25	25	750	2,3



Carrucole di sollevamento per funi metalliche o sintetiche, provviste di ruota in acciaio verniciato montata su cuscinetti a fere e telaio in acciaio verniciato di tipo apribile. Disponibili a 1, 2 o 3 ruote con varie portate.

Hoisting blocks for steel or synthetic, provided of steel sheave mounted with ball bearings and steel frame, opening type, painted finishing. Available with 1, 2 or 3 sheaves with different capacities.



Art. M014

Art. M014.2

Art. M014.3

### Dati tecnici / Technical data:

Modello/ Model	Ruota/Sheave mm	Gola/Groove mm	Portata/Capacity daN	Peso/Mass Kg
M014/1000	115	20	1000	4
M014/1500	120	20	1500	6
M014/2000	130	20	2000	8
M014/3000	150	20	3000	13
M014/4000	150	20	4000	24
M014/5000	200	26	5000	28
M014.2/1000	115	20	1000	8
M014.2/1500	120	20	1500	9
M014.2/2000	130	20	2000	10
M014.2/3000	150	20	3000	12
M014.2/4000	150	20	4000	28
M014.2/5000	200	26	5000	45
M014.3/1000	115	20	1000	9
M014.3/1500	120	20	1500	10
M014.3/2000	130	20	2000	11
M014.3/3000	150	20	3000	16
M014.3/4000	150	20	4000	35
M014.3/5000	200	26	5000	55

## Pulling ropes • Zugseile • Cables de tiro • Câbles de traction • Funi di tiro

### EN

Pulling ropes for different applications as underground cable laying and stringing of aerial conductors and cables.

These ropes with high breaking load, flexibility and easy to handle, are suitable to be used with our winches, available in different diameters and length to be chosen according to the pulling capacity of the winch and the length of cable or conductor to be installed.

The round section galvanized steel ropes are suitable for the winches fit for the underground cable installations. They are supplied complete of pulling eye made by Talurit pressed sleeve.

The antitwisting galvanized steel ropes type with square section, are especially designed for stringing operations of overhead transmission lines as well as for

underground cable installations due to the antitwisting propriety, they guarantee an optimal installation avoiding any possible dangerous torsion of the cable. Supplied with spliced eyes at the ends, hand made.

The nylon ropes are synthetic ropes made of simple braid with high tenacity polyester external sock with double torsion, anti-wear and UV rays high resistance.

Internal core made of high tenacity parallel and twisted nylon strands or DYNEEMA® internal braided core.

Supplied with clamped pulling eyes at the ends, made of steel collars.

(NOTE: clamped eyes perform a 30-35% lower breaking load than the rope)

All of the proposed ropes are supplied wound directly on the winch drum or wound on standard dimensions steel reels or wooden drums.

### D

Zugseile für verschiedene Anwendungen, wie unterirdische Kabelverlegung und Freileitungszüge. Diese Seile eignen sich mit ihrer hohen Bruchkraft, Flexibilität und Handlichkeit hervorragend für unsere Winden und stehen in verschiedenen Durchmessern und Längen zur Verfügung, die sowohl nach Zugkapazität der Maschine als auch der zu installierenden Kabel- oder Leiterlänge festzusetzen sind.

Die runden verzinkten Stahlseile eignen sich für die Winden der unterirdischen Kabelverlegung. Sie werden komplett mit Zugöse mit Talurit-Pressklemmen geliefert.

Die verzinkten Flechtseile eignen sich besonders für Freileitungszüge und, da sie sich nicht verdrehen, auch für die unterirdische Kabelverlegung, wobei eine

perfekte Installation ohne mögliche Kabelverdrehungen gewährleistet wird. Sie werden komplett mit Zugöse an jedem Ende mit einer manuell realisierten Spleißverbindung geliefert.

Die Nylonseile sind einfach geflochtene Synthetikseile mit einer Außenumflechtung aus hochfestem Doppeldrahtpolyester mit hohem Verschleißwiderstand und UV-Strahlenbeständigkeit, Kern aus parallel und gedreht gelitzten, hochfestem Nylon oder mit innerem verflochtenen DYNEEMA® Kern. Sie werden komplett mit Zugöse an jedem Ende mit Metallschellen geliefert. (ANMERKUNG: die Öse hat eine 30-35% geringere Bruchlast als das Seil)

Alle Seile können entweder direkt auf der Spule der Winde oder auf Metallspulen mit Einheitsmaßen oder Holzspulen geliefert werden.

### E

Cables de tiro adecuados para las diferentes aplicaciones como la colocación de cables subterráneos y el tensado de cables conductores y cables aéreos. Estos cables con elevada carga de rotura, flexibilidad y maniobrabilidad son idóneos para ser utilizados con nuestros cabrestantes; están disponibles en varios diámetros y longitudes a establecer tanto en función de la capacidad de tiro de la máquina como de la longitud del cable o del conductor a instalar.

Los cables en acero zincado de sección redonda están indicados para los cabrestantes idóneos para la colocación de cables subterráneos. Se suministran dotados de ojal de tiro realizado con manguito Talurit.

Los cables de tracción de acero zincado de sección cuadrada antirrotación son especialmente aptos para las operaciones de tensado de conductores o de cables aéreos, dada su propiedad antirrotación son idóneos



también para la colocación de cables subterráneos, garantizando una perfecta instalación sin torsiones en el cable. Se suministran dotados de ojal de tiro en cada extremo, realizados con ajuste a mano.

Los cables de nylon son cables sintéticos de trenza simple, realizados con malla externa de poliéster de alta resistencia de doble torsión con alta resistencia al desgaste y a los rayos UV, núcleo interno de nylon de alta resistencia de hilos paralelos y retorcidos o y el núcleo trenzado DYNEEMA®. Se suministran dotados de ojal de tiro en cada extremo, realizados con abrazaderas metálicas.

(NOTA: el ojal tiene una carga de rotura del 30-35% inferior respecto a la del cable).

Todos los cables pueden suministrarse enrollados directamente en la bobina del cabrestante o enrollados en bobinas metálicas con dimensiones unificadas o bobinas de madera.

**F** Câbles de traction adaptés pour les différentes applications comme la pose de câbles souterrains et la tension de conducteurs et câbles aériens. Ces câbles à charge limite, flexibilité et maniabilité élevées, conviennent pour être utilisés sur nos treuils. Ils sont disponibles en plusieurs diamètres et longueurs à choisir en fonction de la capacité de traction de la machine et de la longueur de câble ou conducteur à installer. Les câbles en acier galvanisé à section ronde sont indiqués pour les treuils adaptés pour la pose de câbles souterrains. Ils sont livrés avec œillet de traction fabriqué avec un manchon Talurit. Les câbles tendeurs en acier galvanisé à section carrée anti-entortillement sont particulièrement adaptés pour les opérations de tension de conducteurs ou de câbles aériens. Vu leur propriété anti-entortillement, ils conviennent également pour la pose de

câbles souterrains en garantissant une parfaite installation sans risque de torsion du câble. Ils sont livrés avec œillet de traction à chaque bout, et fabriqués avec épissure à main. Les câbles en nylon sont des câbles synthétiques à tresse simple, fabriqués avec une tresse extérieure en polyester à haute ténacité, double torsion et haute résistance à l'usure et aux rayons UV, une âme en nylon à haute ténacité à torsions parallèles et retors ou noyau interne tresse DYNEEMA®. Ils sont livrés avec œillet de traction à chaque bout, et sont fabriqués avec des colliers métalliques.

(REMARQUE: l'œillet à une charge limite de 30-35% inférieure par rapport à celle du câble). Tous les câbles peuvent être livrés enroulés directement sur la bobine du treuil, enroulés sur des bobines métalliques de dimensions unifiées ou sur des bobines en bois.

**I** Funi di tiro adatte per le differenti applicazioni quali la posa di cavi sotterranei e la tesatura di conduttori e cavi aerei. Queste funi con elevato carico di rottura, flessibilità e maneggevolezza sono idonee per essere utilizzate con i nostri argani, sono disponibili in diversi diametri e lunghezze da stabilire sia in funzione della capacità di tiro della macchina che alla lunghezza di cavo o conduttore da installare.

Le funi in acciaio zincato a sezione tonda sono indicate per gli argani idonei per la posa di cavi sotterranei. Vengono fornite complete di asola di tiro realizzata con manicotto Talurit.

Le funi traenti in acciaio zincato a sezione quadra antigiro sono particolarmente adatte per le operazioni di tesatura di conduttori o di cavi aerei, data la loro proprietà antigiro sono idonee anche per la posa di cavi sotterranei, garantendo

una perfetta installazione senza possibili torsioni sul cavo stesso. Vengono fornite complete di asola di tiro a ciascuna estremità, realizzate con impalmatura a mano.

Le funi in nylon sono funi sintetiche a treccia semplice, realizzate con calza esterna in poliester ad alta tenacità a doppia torsione con alta resistenza all'antiusura e ai raggi UV, anima interna in nylon ad alta tenacità a trefoli paralleli e ritorti oppure con anima interna in DYNEEMA® intrecciata. Vengono fornite complete di asola di tiro a ciascuna estremità, realizzate con fascette metalliche.






(NOTA: l'asola ha un carico di rottura del 30-35% inferiore rispetto a quello della fune).

Tutte le funi possono essere fornite oltre che avvolte direttamente sulla bobina dell'argano oppure avvolte su bobine metalliche con dimensioni unificate o bobine in legno.







# Funi di tiro • Pulling ropes • Zugseile • Cables de tiro • Câbles de traction





Galvanized steel ropes with round section • Verzinkte Stahlseile, rund • Cables de acero zincado de sección redonda  
Câbles en acier galvanisé à section ronde • Funi in acciaio zincato a sezione tonda

art.	Ø mm	 7 x 19	 6x36	 daN	 kg/m	 L Standard/Standard/Standard/Estándar/Standard
J50400000	4	7 x 19		1025	0,061	1000
J50500000	5	7 x 19		1600	0,095	750
J50600000	6	7 x 19		2300	0,137	300
J50650000	6,5	7 x 19		2700	0,161	300
J50800000	8	7 x 19		4200	0,244	500 - 1000
J51000000	10	7 x 19		6700	0,381	500 - 1000
J51100000	11	6 x 36		7650	0,506	500 - 1000
J51200000	12	6 x 36		9100	0,602	500 - 1000
J51400000	14	6 x 36		12350	0,820	500 - 1000
J51600000	16	6 x 36		16130	1,071	500 - 1000
J51800000	18	6 x 36		20400	1,355	500 - 1000
J52000000	20	6 x 36		25200	1,673	500 - 700
J52200000	22	6 x 36		30500	2,024	500 - 700
J52400000	24	6 x 36		36300	2,409	500 - 1000
J52800000	28	6 x 36		49400	3,279	500 - 800
J53200000	32	6 x 36		64550	4,283	500 - 800





Galvanized steel antitwisting ropes with square section • Verzinkte Flechtseile, drehfest • Cables de acero zincado antirrotación de sección cuadrada  
Câbles en acier galvanisé anti-entortillement à section carrée • Funi in acciaio zincato antigiro a sezione quadra

art.	Ø mm		 daN	 kg/m	 L Standard/Standard/Standard/Estándar/Standard
MQ08000	8	12	4400	0,225	1000 - 1600
MQ090000	9	12	5500	0,267	500 - 1000
MQ100000	10	12	7200	0,355	500 - 1000
MQ110000	11	12	8000	0,457	500 - 1000
MQ130000	13	12	12000	0,579	500 - 1000
MQ160000	16	12	15800	0,828	1000
MQ180000	18	12	21000	1,038	1000
MQ200000	20	12	25000	1,296	800
MQ220000	22	12	32000	1,478	800
MQ240000	24	12	36000	1,602	800

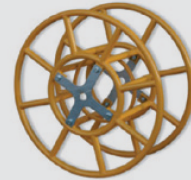
NY

Nylon ropes • Nylonseil • Cables de nylon • Câbles en nylon • Funi in nylon						
art.	Ø mm	Elongation with load Dehnung mit Belastung Alargamiento con carga Allongement avec charge Allungamento con carico				L Standard/Standard/Standard/Estándar/Standard
		10% 	30% 			
M0600000	6	4,0 %	7,5 %	750	0,027	500 - 1000 - 1500 - 2000 - 3000
M0800000	8	4,0 %	7,5 %	1200	0,045	500 - 1000 - 1500 - 2000 - 3000
M1000000	10	4,0 %	7,5 %	2000	0,073	500 - 1000 - 1500 - 2000 - 3000
M1200000	12	4,0 %	7,5 %	3500	0,115	500 - 1000 - 1500 - 2000 - 3000
M1400000	14	4,0 %	7,5 %	4300	0,142	500 - 1000 - 1500 - 2000
M1600000	16	4,0 %	7,5 %	5000	0,195	500 - 1000 - 1500 - 2000
M1800000	18	4,0 %	7,5 %	5800	0,240	500 - 1000 - 1500
M2000000	20	4,0 %	7,5 %	6500	0,295	500 - 1000 - 1500
M2200000	22	4,0 %	7,5 %	8300	0,350	500 - 1000

DY

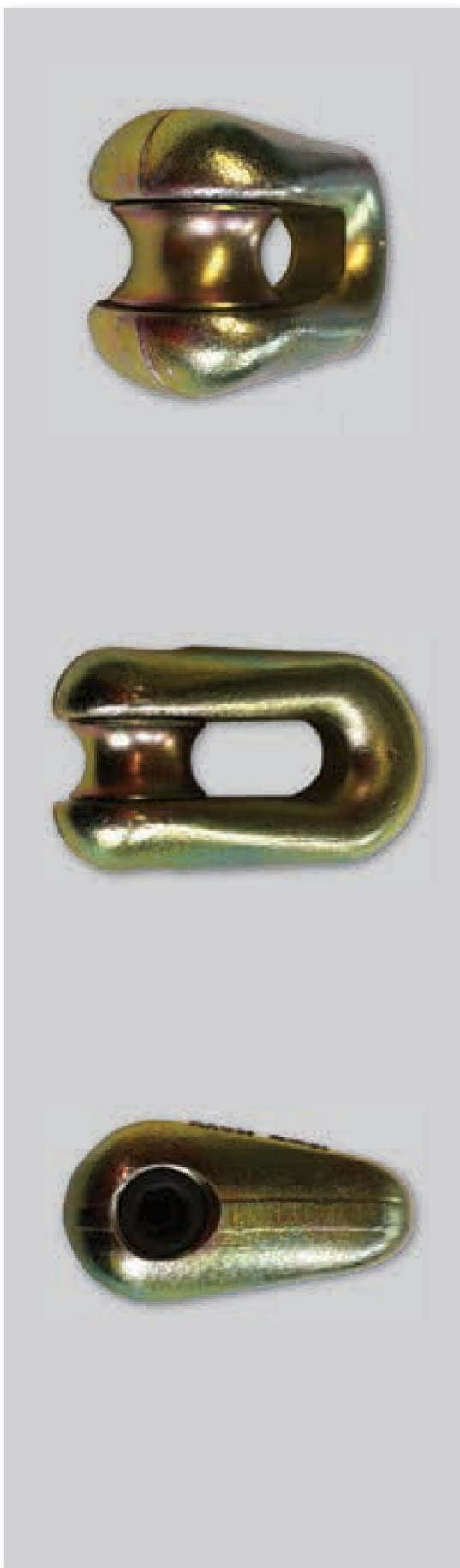
DYNEEMA® SK75 synthetic ropes • Synthetikseil • cables sintéticas • câbles synthétiques • funi sintetiche						
art.	Ø mm	Elongation with load Dehnung mit Belastung Alargamiento con carga Allongement avec charge Allungamento con carico				L Standard/Standard/Standard/Estándar/Standard
		20% 	100% 			
MDY500000	5	0,50 %	4,0 %	850	0,020	500 - 1000 - 1500 - 2000 - 3000
MDY600000	6	0,50 %	4,0 %	1500	0,030	500 - 1000 - 1500 - 2000 - 3000
MDY800000	8	0,50 %	4,0 %	2400	0,050	500 - 1000 - 1500 - 2000 - 3000
MDY100000	10	0,50 %	4,0 %	3500	0,070	500 - 1000 - 1500 - 2000 - 3000
MDY120000	12	0,50 %	4,0 %	5000	0,100	500 - 1000 - 1500 - 2000
MDY140000	14	0,50 %	4,0 %	6500	0,120	500 - 1000 - 1500 - 2000
MDY160000	16	0,50 %	4,0 %	8800	0,160	500 - 1000 - 1500

Standard steel reel • Einheitsspule aus Stahl • Bobina tipo unificado, en acero • Bobine type unifié en acier • Bobina tipo unificato, in acciaio			
art.	art.	Dimensions/Maße/dimensiones/ dimensions/dimensioni	
Fixed type Fester Typ Tipo fijo Type fixe Tipo fisso	One side open type Auf einer Seite zu öffnen Tipo abrible Type ouvrable Tipo apribile	Ø outside x Ø inside x external width Ø Außen x Ø Innen x Außenbreite Ø externo x Ø interno x ancho externo Ø extérieur x Ø intérieur x largeur extérieure Ø esterno x Ø interno x larghezza esterna	
MBF0625756	MBF0625756AP	620 mm x 570 mm x 56 mm	
MBF1105756	MBF1105756AP	1100 mm x 570 mm x 56 mm	
MBF1405756	MBF1405756AP	1400 mm x 570 mm x 56 mm	



Standard reels capacity • Trommelkapazität • Capacidad de la bobina standard • Capacité de la bobine standard • Capacità bobina standard			
Ø mm	Reel • Spule • Bobina • Bobine • Bobina MBF0625756	Reel • Spule • Bobina • Bobine • Bobina MBF1105756	Reel • Spule • Bobina • Bobine • Bobina MBF1405756
6	2100	7500	13000
8	1200	4200	7400
9	900	3300	5900
10	750	2700	4700
11	600	2200	3900
12	500	1850	3300
13	400	1600	2800
14	350	1350	2400
16	300	1000	1800
18	230	800	1400
20	180	650	1150
22	150	550	950
24	120	450	800

## GIUNTI FISSI E GIREVOLI – FIXED AND SWIVEL JOINTS




**[EN]** Fixed joint suitable for joining both steel pulling ropes and synthetic pilot ropes, made of galvanized high tensile steel, with a design fit for easy and safe passage through the bullwheels grooves of winches, screwed pin closing device provided of concave spacer to facilitate the loop of rope position.

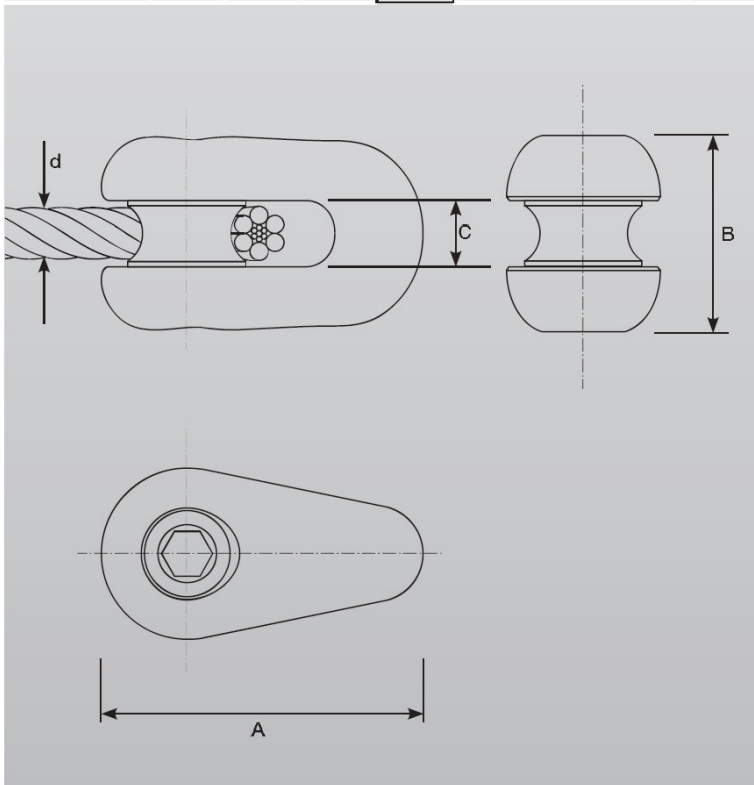
**[D]** Seilverbinder (starr) als Verbindungselement von Windenseil und Zugseil aus Kunststoff oder verzinktem Flechtseil, hergestellt aus hochwertigem verzinktem Stahl, geeignet zum Überfahren der Rillenräder von Kabelspilwinden. Verschluss mittels Nimbusschraube und Rolle zur Aufnahme der Kausche oder Schlaufe des Seiles.

**[E]** Fija conjunta propicio para la unión de transporte de acero y el piloto cuerdas sintéticas, construido en acero de alta resistencia galvanizado, el diseño único permite el paso fácil y segura en las ranuras de los tornos del cabrestante, cerradura estudios equipados con separador cóncava la ranura para la cuerda de la vivienda.

**[F]** Connecteur fixe pour rejoinde des cordes en acier et des cordages synthétiques pilote, construit en acier galvanisé à haute résistance, avec un ajustement de conception pour le passage facile et sûr dans les cabestans rainures des treuils, vissé dispositif de fermeture broches fourni de l'entretoise concave pour faciliter la boucle de corde position.

**[I]** Giunto fisso adatto per la giunzione di funi traenti in acciaio e funi pilota in materiale sintetico, realizzato in acciaio zincato ad alta resistenza, il particolare disegno permette un facile e sicuro passaggio nelle gole dei cabestani degli argani, chiusura con perno filettato provvisto di distanziale concavo per l'alloggiamento dell'asola della fune.

art.	A mm	B mm	C mm	d mm		kg
JZ-SVD10	60	28	11	10	7.000 daN	0,14
JZ-SVD13	72	41	14	13	11.000 daN	0,35
JZ-SVD16	90	49	19	16	16.000 daN	0,55
JZ-SVD18	100	55	19	18	22.000 daN	0,75
JZ-SVD24	120	60	26	24	36.000 daN	1,05
JZ-SVD28	175	77	30	30	75.000 daN	3,00
JZ-SVD32	184	77	34	32	90.000 daN	3,25





## GIUNTI FISSI E GIREVOLI – FIXED AND SWIVEL JOINTS

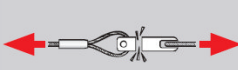
**[EN]** Antitorsion swivel joint suitable for joining both steel and synthetic pilot and pulling ropes, with the pulling stocking grips; made of chrome plated high tensile steel, provided of thrust-resistant pad, with screwed pins closing device provided of concave spacer to facilitate the loop of rope positioning.

**[D]** Drallfänger mit Ausgleichswirbel für Windenseite, hergestellt aus hochwertigem verzinktem Stahl. Der Drallfänger wird zwischen Windenseil und Kabeleinziehstrumpf zum Ausgleich der beim Zug entstehenden Verdrehung eingesetzt.

**[E]** Junta giratoria antitorsión apta para la unión de cables pilotos y de tracción en acero y material sintético en la trenza de tracción, realizado en acero de alta resistencia cromado, con cojinete de empuje, cierre con pernos roscados, cada uno provisto de distanciador cóncavo para el alojamiento del ojal del cable.

**[F]** Émerillon tournant anti-torsion utile pour la jonction de câbles pilote et tractifs en acier et matériau synthétique au niveau de la chaussette de traction, réalisé en acier à haute résistance chromé, avec roulement rigide, fermeture avec broches à trou fileté, chacune pourvue d'écarteur concave pour l'emplacement de l'anneau câble.

**[I]** Giunto girevole antitorsione adatto per la giunzione di funi pilota e traenti in acciaio e materiale sintetico alla calza di trazione, realizzato in acciaio ad alta resistenza cromato, con cuscinetto reggispinta, chiusura con perni filettati ciascuno provvisto di distanziale concavo per l'alloggiamento dell'asola della fune.

art.	D ø mm	L mm	d ø mm	A mm		kg
JZ-D00850	12	50	4	4,5	850 daN	0,05
JZ-D01200	18	60	9	9,2	1.200 daN	0,08
JZ-D06000	32	142	13	13,5	8.000 daN	0,55
JZ-D12000	45	182	19	20	18.000 daN	1,50
JZ-D22000	60	225	25	26	36.000 daN	3,50
JZ-D90000	80	350	35	36,5	90.000 daN	9,50

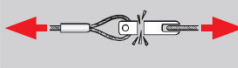
**[EN]** Antitorsion swivel joint articulated type, suitable for joining both steel and synthetic pilot and pulling ropes, with the pulling stocking grips; made of galvanized high tensile steel, provided swivel ball-joint, with screwed pins closing device provided of concave spacer to facilitate the loop of rope positioning.

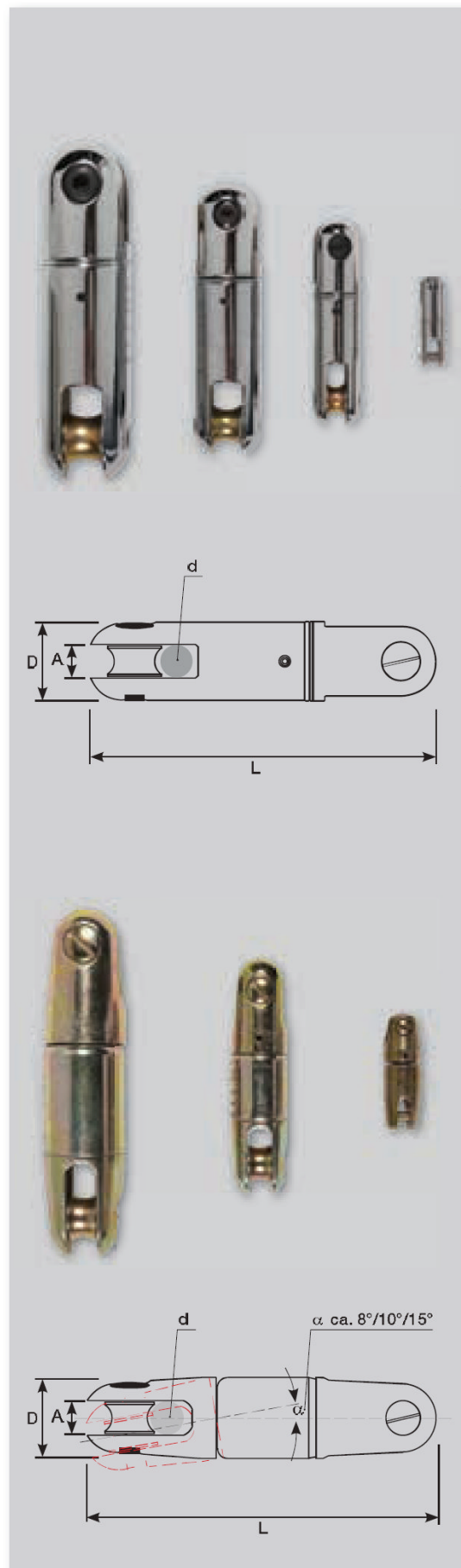
**[D]** Drallfänger mit Ausgleichswirbel und Kugelgelenk für Windenseite, hergestellt aus hochwertigem verzinktem Stahl. Der Drallfänger wird zwischen Windenseil und Kabeleinziehstrumpf zum Ausgleich der beim Zug entstehenden Verdrehung eingesetzt.

**[E]** Junta giratoria antitorsión articulada, apta para la unión de cables pilotos y de tracción en acero y material sintético en la trenza de tracción, realizada en acero de alta resistencia zincado, con elemento de unión articulado, cierre con pernos roscados, cada uno provisto de distanciador cóncavo para el alojamiento del ojal del cable.

**[F]** Émerillon tournant anti-torsion articulé, utile pour la jonction de câbles pilote et tractifs en acier et matériau synthétique au niveau de la chaussette de traction, réalisé en acier à haute résistance galvanisé, avec élément de jonction articulé, fermeture avec broches à trou fileté, chacune pourvue d'écarteur concave pour l'emplacement de l'anneau câble.

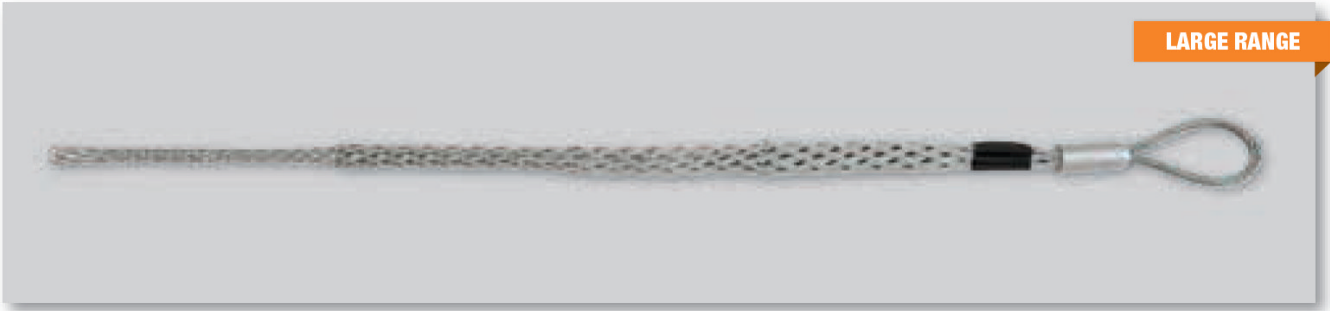
**[I]** Giunto girevole antitorsione snodato, adatto per la giunzione di funi pilota e traenti in acciaio e materiale sintetico alla calza di trazione, realizzato in acciaio zincato ad alta resistenza cromato, con elemento di giunzione snodato, chiusura con perni filettati ciascuno provvisto di distanziale concavo per l'alloggiamento dell'asola della fune.

art.	D ø mm	L mm	d ø mm	A mm		kg
X96059160	20	62	6	7	2.500 daN	0,09
M250A0000	32	130	11	13	8.000 daN	0,50
M250B0000	45	185	14	16	18.000 daN	1,40



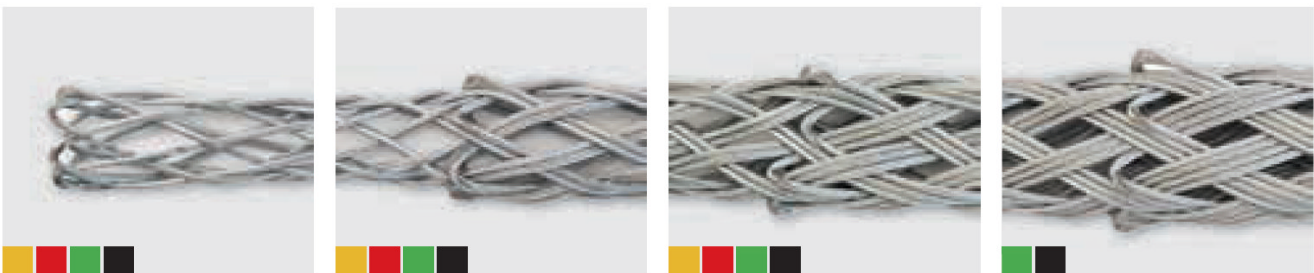
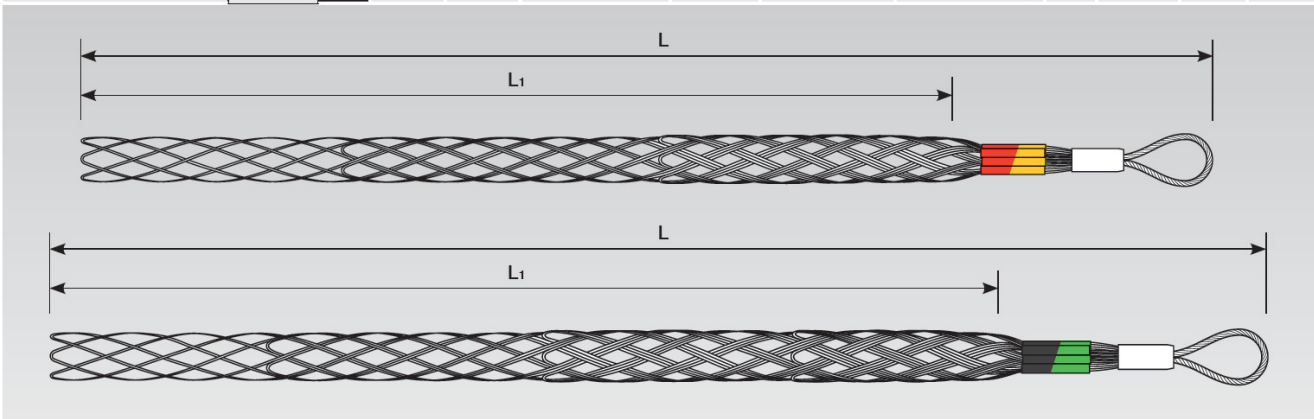
# CALZE PER CONDUTTORI AEREI – OVERHEAD CONDUCTORS PULLING GRIPS

LARGE RANGE



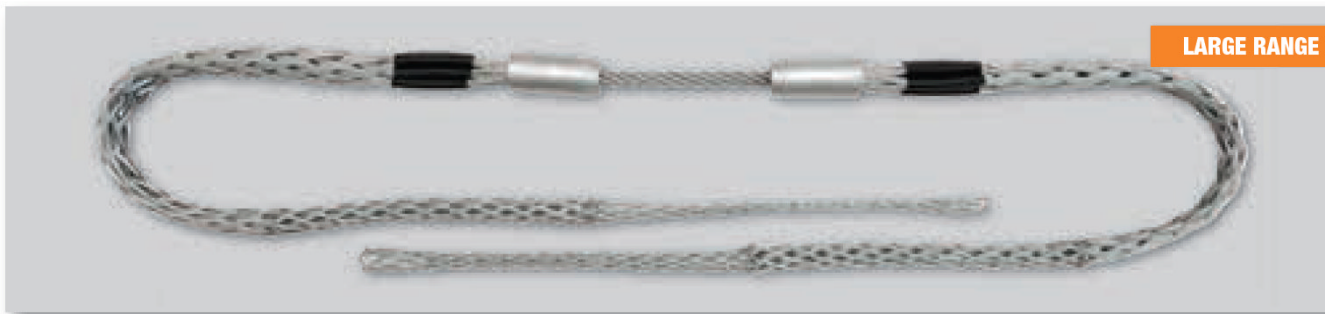
[EN] Cable pulling grip, head type, for stringing of aerial conductors [D] Freileitungsziehstrumpf zum Ziehen von Freileitungen [E] Malla tiracables para el tendido de conductores de líneas eléctricas aéreas [F] Tire-câbles pour la tension des câbles aériens [I] Calza di testa per la tesatura di conduttori aerei

art.	ø mm	ID	L mm	L <sub>1</sub> mm			[mm] ø x L		Sez.		Comp.	kg	
JCT1400817KN35	8-17		1400	1100	3.500 daN	5	7 x 150	1,25-1,25-1,5	3		19	30	0,60
JCT1701729KN85	17-29		1700	1350	8.500 daN	5	10 x 150	2,0-2,0-2,0	3		19	30	1,20
JCT1902938KN135	29-38		1900	1470	13.500 daN	6	12 x 180	2,0-2,0-2,0-2,0	4		19	48	1,80
JCT2263850KN185	38-50		2260	1810	18.500 daN	6	14 x 200	2,0-2,5-2,5-2,5	4		19	48	2,80



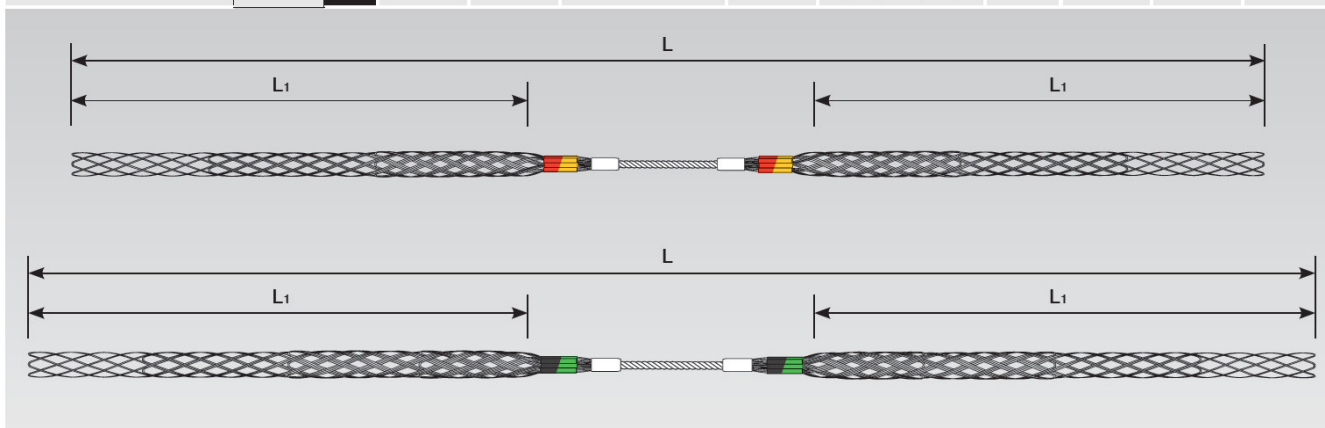
# CALZE PER CONDUTTORI AEREI – OVERHEAD CONDUCTORS PULLING GRIPS

LARGE RANGE



[EN] Cable pulling grip for temporary junction, for stringing of aerial conductors [D] Freileitungsverbindungsstrumpf zum Ziehen von Freileitungen  
 [E] Malla tiracables de unión para el tendido de conductores de líneas eléctricas aéreas [F] Tire-câbles de jonction pour la tension des câbles aériens  
 [I] Calza di giunzione per la tesatura di conduttori aerei

art.	ø mm	ID	L mm	L <sub>1</sub> mm				Sez.		Comp.	kg
JCG2680817KN35	8-17		2680	1100	3.500 daN	5	1,25-1,25-1,5	3	19	30	1,10
JCG3251729KN85	17-29		3250	1350	8.500 daN	5	2,0-2,0-2,0	3	19	30	2,10
JCG3552938KN135	29-38		3550	1470	13.500 daN	6	2,0-2,0-2,0-2,0	4	19	48	3,30
JCG4253850KN185	38-50		4250	1810	18.500 daN	6	2,0-2,5-2,5-2,5	4	19	48	5,00


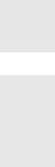








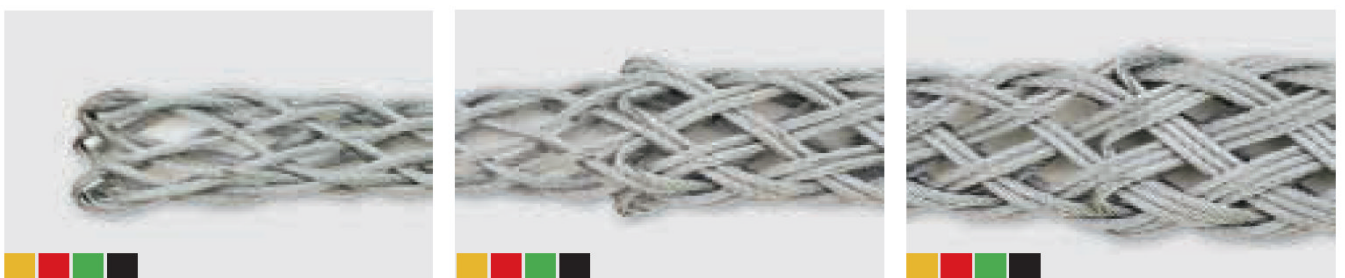
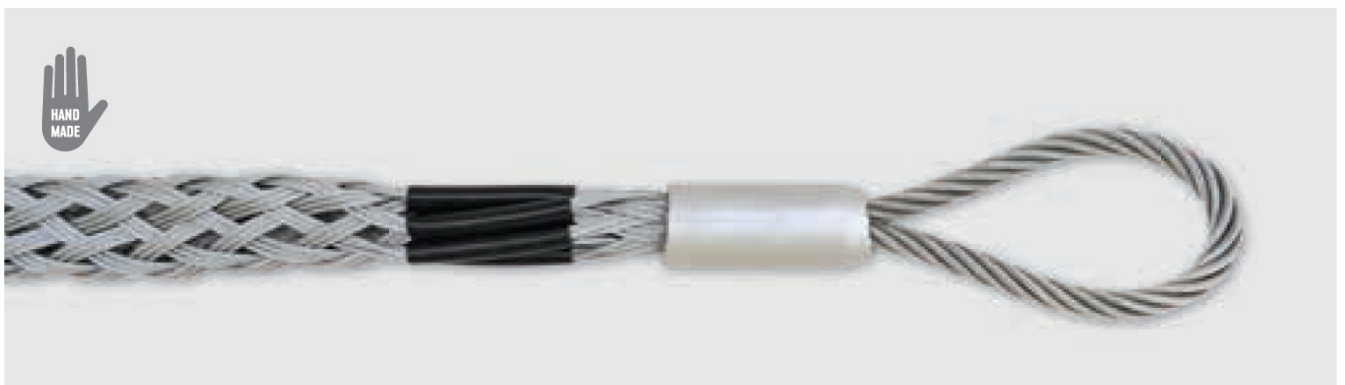
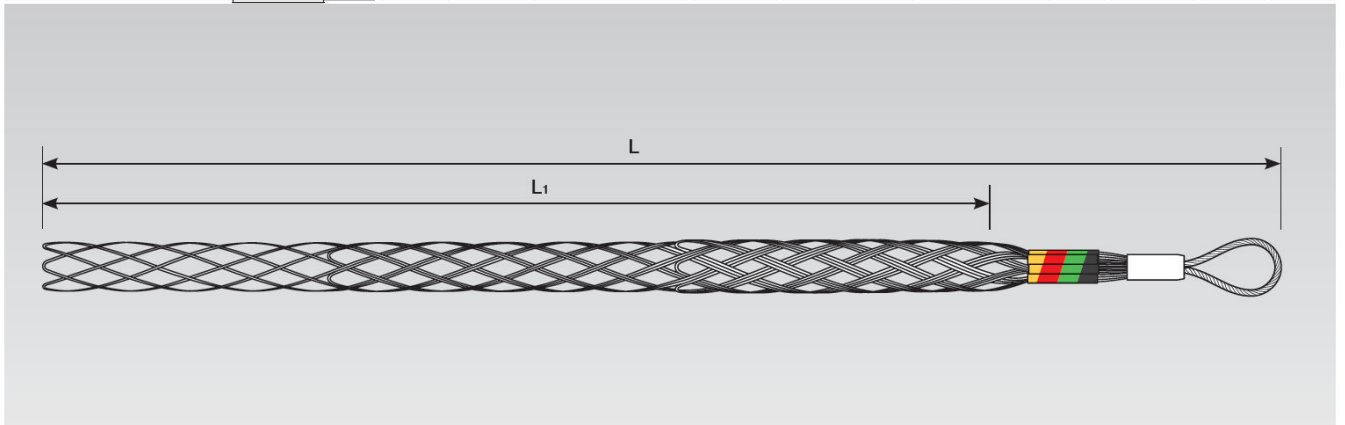
# CALZE PER CONDUTTORI AEREI – OVERHEAD CONDUCTORS PULLING GRIPS

LARGE RANGE, REINFORCED



[EN] Reinforced cable pulling grip, head type, for stringing of aerial conductors [D] Freileitungsziehstrumpf zum Ziehen von Freileitungen, verstärkte Ausführung [E] Malla tiracables para el tendido de conductores de líneas eléctricas aéreas, versión reforzada [F] Tire-câbles pour la tension des câbles aériens, version renforcée [I] Calza di testa per la tesatura di conduttori aerei, esecuzione rinforzata









art.	ø mm	ID	L mm	L <sub>1</sub> mm			[mm] 		Sez.		Comp.	kg
JCT1400817KN50	8-17		1400	1100	<b>5.000 daN</b>	5	8 x 150	1,5-1,5-2,0	3	49	30	0,70
JCT1701729KN100	17-29		1700	1350	<b>10.000 daN</b>	5	10 x 150	2,0-2,5-2,5	3	49	30	1,30
JCT1902938KN150	29-38		1900	1470	<b>15.000 daN</b>	6	12 x 200	2,0-2,5-3,2	3	49/133	36	1,90
JCT2263850KN200	38-50		2260	1810	<b>20.000 daN</b>	6	14 x 200	3,0-3,0-3,2	3	133	36	2,90

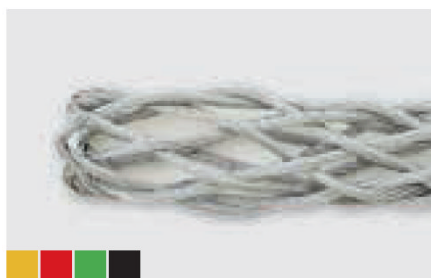
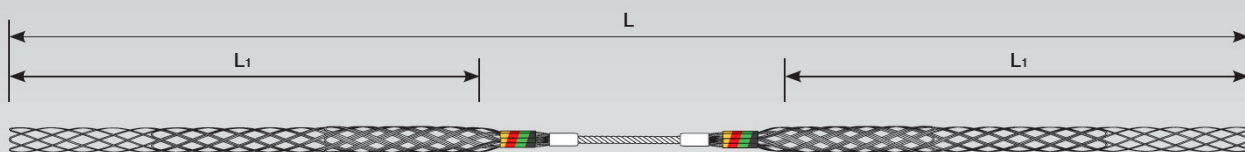


# CALZE PER CONDUTTORI AEREI – OVERHEAD CONDUCTORS PULLING GRIPS

LARGE RANGE, REINFORCED

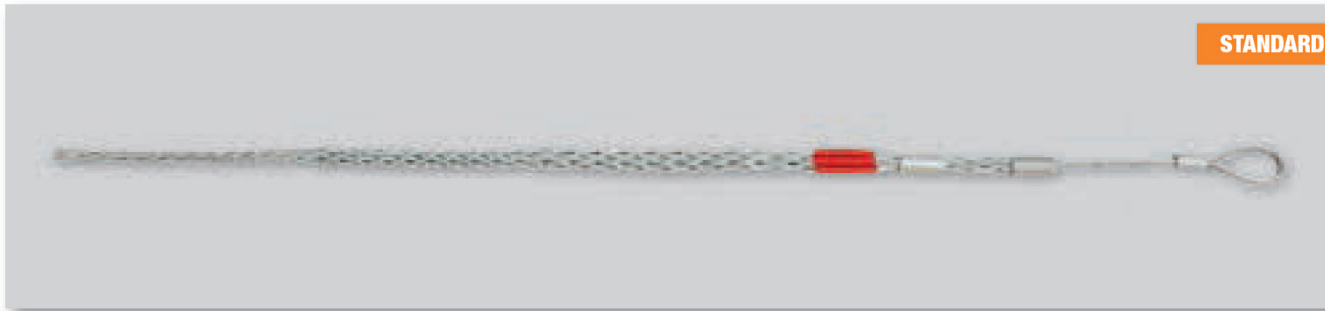
**[EN]** Reinforced cable pulling grip, for temporary junction, for stringing of aerial conductors **[D]** Freileitungsverbindungsstrumpf zum Ziehen von Freileitungen, verstärkte Ausführung **[E]** Malla tiracables de unión para el tendido de conductores de líneas eléctricas aéreas, versión reforzada **[F]** Tire-câbles de jonction pour la tension des câbles aériens, version renforcée **[I]** Calza di giunzione per la tesatura di conduttori aerei, esecuzione rinforzata

art.	ø mm	ID	L mm	L <sub>1</sub> mm				Sez.		Comp.	kg
JCG2680817KN50	8-17		2680	1100	<b>5000 daN</b>	5	1,25-1,5-2,0	3	49	30	1,15
JCG3251729KN100	17-29		3250	1350	<b>10.000 daN</b>	5	2,0-2,5-2,5	3	49	30	2,20
JCG3552938KN150	29-38		3550	1470	<b>15.000 daN</b>	6	2,0-2,5-3,2	3	49/133	36	3,40
JCG4253850KN200	38-50		4250	1810	<b>20.000 daN</b>	6	3,0-3,0-3,2	3	133	36	5,10



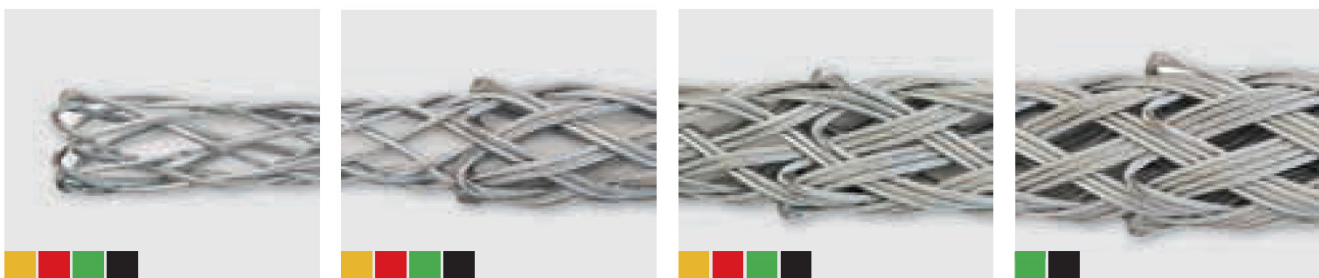
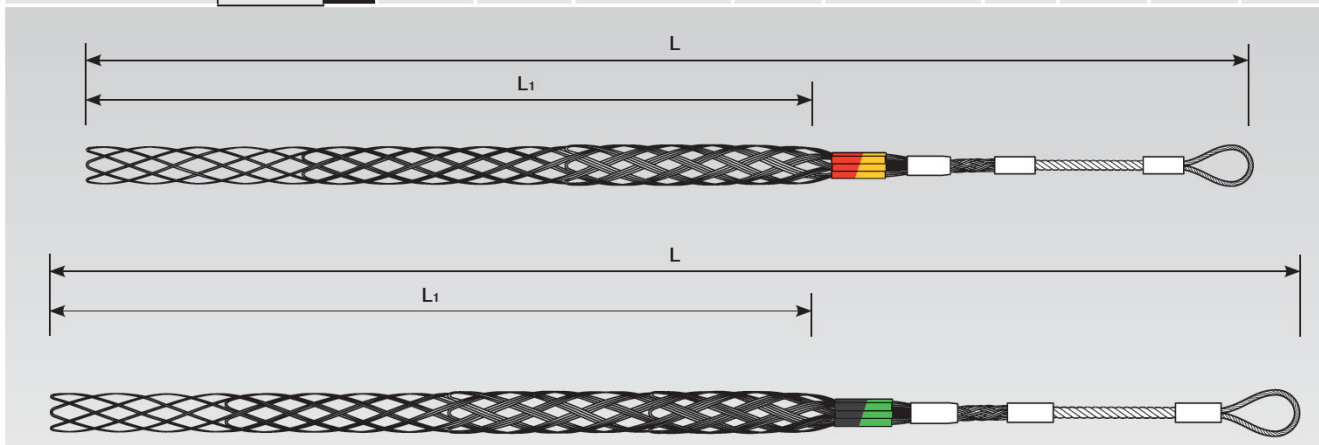
# CALZE PER CONDUTTORI AEREI – OVERHEAD CONDUCTORS PULLING GRIPS

STANDARD



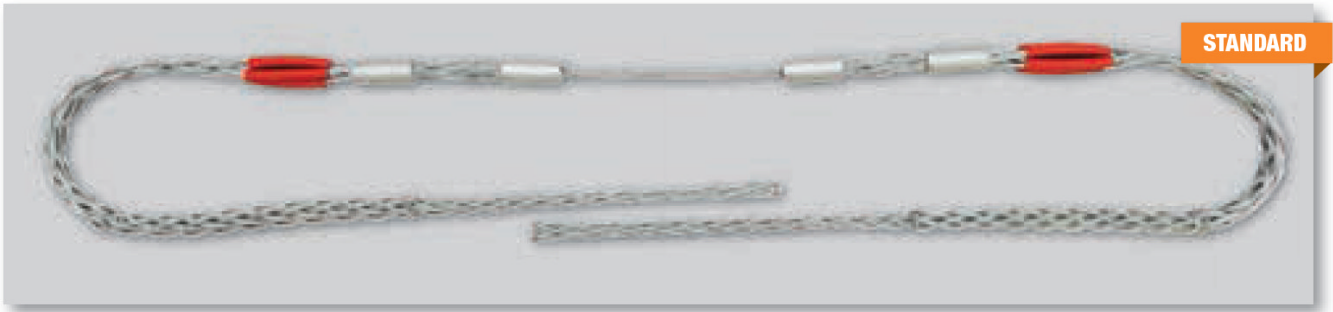
**[EN]** Cable pulling grip, head type with long eye, for stringing of aerial conductors **[D]** Freileitungsziehstrumpf zum Ziehen von Freileitungen mit langer Schlaufe **[E]** Malla tiracables para el tendido de conductores de líneas eléctricas aéreas con un lazo largo **[F]** Tire-câbles pour la tension des câbles aériens avec une longue boucle **[I]** Calza di testa per la tesatura di conduttori aerei con asola lunga

art.	ø mm	ID	L mm	L <sub>1</sub> mm				Sez.		Comp.	kg
JCT130/11	7-11	Yellow	1300	800	2.500 daN	5	1,25-1,25-1,25	3	19	30	0,90
JCT160/14	11-14	Yellow	1600	1000	3.500 daN	5	1,25-1,25-1,50	3	19	30	0,95
JCT170/17	14-17	Yellow	1700	1050	3.500 daN	5	1,25-1,25-1,50	3	19	30	1,10
JCT180/23	17-23	Red	1800	1150	5.000 daN	5	1,25-1,50-1,50	3	19	30	1,20
JCT220/29	23-29	Red	2200	1300	8.000 daN	5	2,0-2,0-2,0	3	19	30	1,45
JCT240/38	29-38	Green	2400	1550	13.000 daN	6	2,0-2,0-2,0-2,0	4	19	48	1,60
JCT290/50	38-50	Black	2900	1800	15.000 daN	6	2,0-2,0-2,5-2,5	4	19	48	1,95















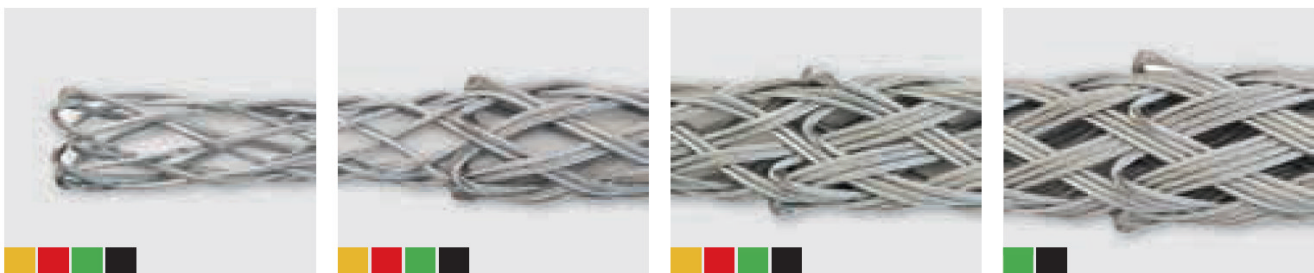
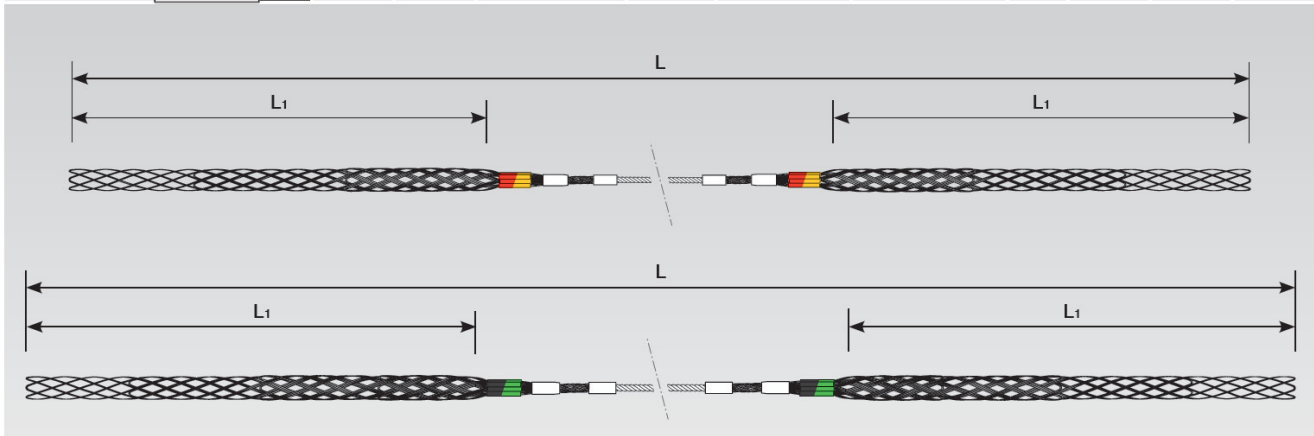
# CALZE PER CONDUTTORI AEREI – OVERHEAD CONDUCTORS PULLING GRIPS

STANDARD



[EN] Cable pulling grip for temporary junction with 4 central sleeves for stringing of aerial conductors [D] Freileitungsverbindungsstrumpf mit 4 Verbindungsmuffen zum Ziehen von Freileitungen [E] Malla tiracables de unión con 4 manguitos central para el tendido de conductores de líneas eléctricas aéreas [F] Tire-câbles de jonction avec 4 machons pour la tension des câbles aériens [I] Calza di giunzione con 4 manicotti centrali per la tesatura di conduttori aerei

art.	ø mm	ID	L mm	L <sub>1</sub> mm			[mm] 		Sez.		Comp.	kg
JCG130/11	7-11		2400	800	2.500 daN	5	8 x 200	1,25-1,25-1,25	3	19	30	1,70
JCG160/14	11-14		2600	1000	3.500 daN	5	8 x 200	1,25-1,25-1,50	3	19	30	1,80
JCG170/17	14-17		2700	1050	3.500 daN	5	8 x 200	1,25-1,25-1,50	3	19	30	2,10
JCG180/23	17-23		3000	1150	5.000 daN	5	10 x 200	1,25-1,50-1,50	3	19	30	2,30
JCG220/29	23-29		3500	1300	8.000 daN	5	12 x 200	2,0-2,0-2,0	3	19	30	2,80
JCG240/38	29-38		4100	1550	13.000 daN	6	14 x 200	2,0-2,0-2,0-2,0	4	19	48	3,00
JCG290/50	38-50		4900	1800	15.000 daN	6	16 x 250	2,0-2,0-2,5-2,5	4	19	48	3,70



## MORSETTI AUTOSERRANTI Serie Leggera - DRAW-TONG CLAMPS Light Series

Product information: long, parallel tension clamping jaws manufactured from hardened and high-grade steel

Corrosion protection: galvanized and burnished components

Extremely durable and long-lasting: reliable, sophisticated process of cold-forming technology for the manufacturing of the jaws

Easy handling: ergonomic

Self-acting holding: spring loading effect on the tensioned cable

Slip-resistant holding of the cable even at maximum traction



ARTICLE CODE	SECTION SIZE mmq.	DIEMETER SIZE mm.	SAFE WORKING LOAD daN	MAX BREAKING LOAD daN	WEIGHT Kg.
MMTC03/08	6 - 35	3 - 9	1000	2500	0,90
MMT4/5-10	16 - 70	5 - 10	1700	4500	1,30
MMTC08/16	50 - 150	8 - 16	3000	7000	1,85
MMTC14/238	100 - 400	14- 23	3500	8000	4,00

### CAUTION

As with all wire/conductor grips, proper maintenance and field inspection is necessary before each use.

Check to be sure there is no accumulation of foreign material in the jaws, which might cause slippage.

Check mechanical condition of entire grip.

Clean and lubricate. Do NOT lubricate gripping surfaces of jaws.

Check grip to be sure it is the correct size and type for the application.

Check all parts for distortion or misalignment.

**! WARNING: DO NOT EXCEED LOAD CAPACITY**





**MORSETTONE AUTOMATICO**

Morsettone autoserrante adatto per serrare conduttori in alluminio, alluminio-acciaio, rame e fune acciaio da 41 mm a 57 mm. Prodotto su richiesta con diametro esatto del conduttore.

È costruito con acciaio legato ad alta resistenza, stampato a caldo, trattato termicamente, accuratamente lavorato e cadmiato.

Le spine sono munite di ingrassatore.

Carico massimo di sicurezza	165 kN
Carico minimo di rottura	400 kN
Peso	kg 25
Unificazione ENEL LST	Tab. AF1/A3

Disponibile su richiesta.

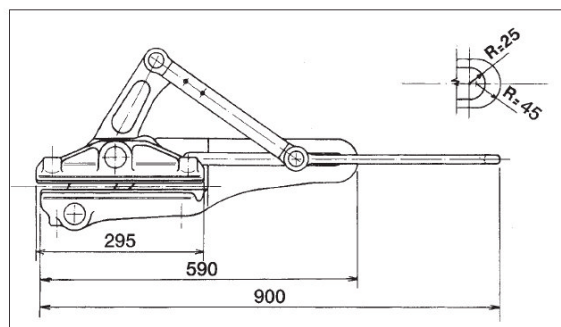
**SELF-GRIPPING CLAMP**

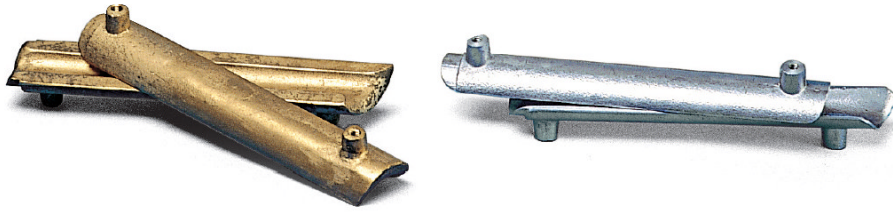
Suitable for aluminium, A.C.S.R., steel earthwire, antitwisting rope and copper conductors from 41 mm to 57 mm. Supplied on request with exact diameter of conductor.

Made of high tensile alloy steel, hot forged, heat-treated, precision machined and zinc-plated.

Maximum safety load	165 kN
Minimum breaking load	400 kN
Weight	kg 25

Can be supplied on request.





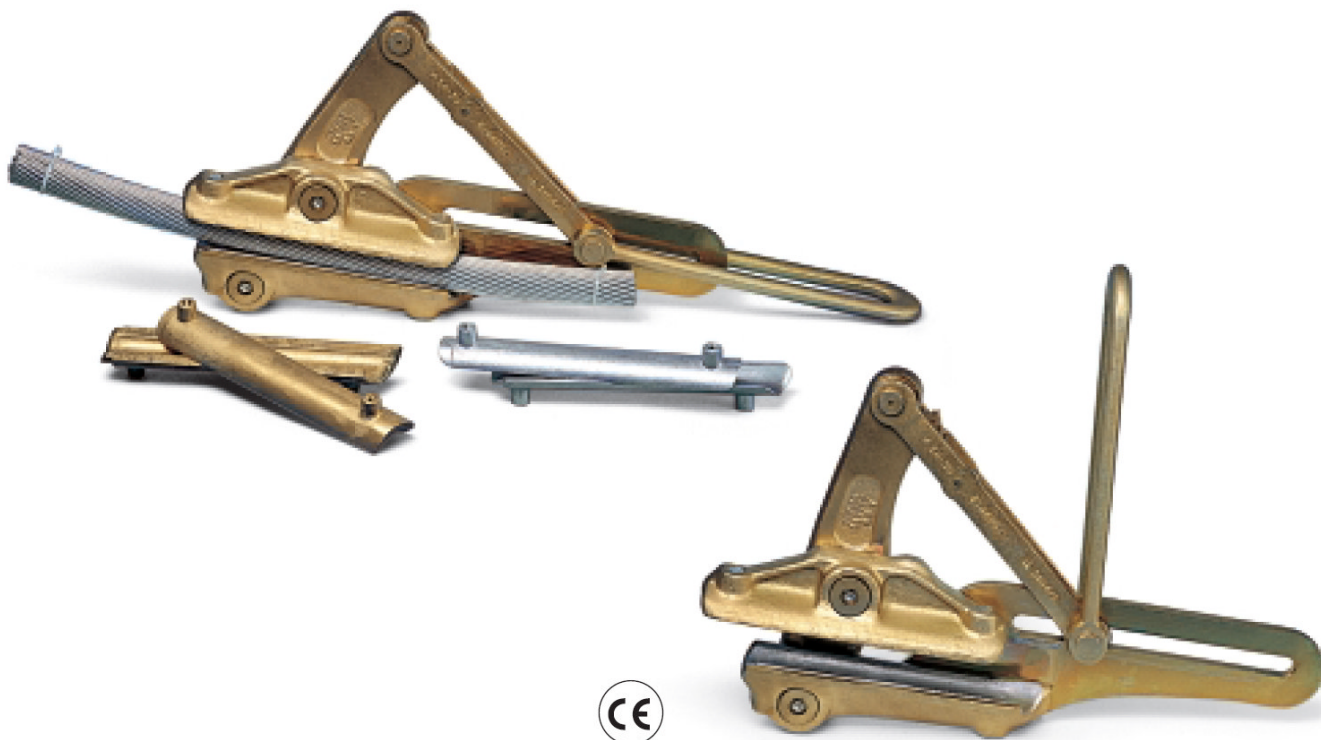
**GUAINE INTERCAMBIABILI**

Le guaine intercambiabili per morsettoni IR 3103 Raptor sono costruite in alluminio per conduttori alluminio, ACSR etc... e in bronzo per funi acciaio tonde.

**INTERCHANGEABLE LINERS**

IR 3103 Raptor liners are available in aluminium for aluminium or aluminium/steel conductors and bronze for round steel rope.

GUAINA - LINER - FOURRURE	
<p><b>M GA 03</b></p> <p>GUAINA PER CONDUTTORI ALLUMINIO LINERS FOR ALUMINIUM CONDUCTORS FORRURES POUR CONDUCTEURS EN ALUMINIUM</p>	<p><b>M GV 03</b></p> <p>GUAINA PER FUNI ACCIAIO TONDE LINERS FOR ROUND STEEL WIRES FORRURES POUR CÂBLES RONDES EN ACIER</p>
<p>PRODOTTE SU RICHIESTA CON DIAMETRO ESATTO COMPRESO TRA 45 mm E 57 mm</p>	<p>PRODOTTE SU RICHIESTA CON DIAMETRO ESATTO COMPRESO TRA 34 mm E 57 mm</p>
<p>SUPPLIED ON REQUEST WITH EXACT DIAMETER FROM 45 mm TO 57 mm</p>	<p>SUPPLIED ON REQUEST WITH EXACT DIAMETER FROM 34 mm TO 57 mm</p>
<p>FABRIQUEES SUR DEMANDE AVEC DIAMETRE PRECIS DE 45 mm A 57 mm</p>	<p>FABRIQUEES SUR DEMANDE AVEC DIAMETRE PRECIS DE 34 mm A 57 mm</p>



**MORSETTONE AUTOMATICO**

Morsettone autoserrante a guaine intercambiabili, adatto per serrare conduttori in alluminio, alluminio-acciaio, rame e fune acciaio da 8 mm a 44 mm.

È costruito con acciaio legato ad alta resistenza, stampato a caldo, trattato termicamente, accuratamente lavorato e cadmiato.

Le spine sono munite di ingrassatore.

Carico massimo di sicurezza	117 kN
Carico minimo di rottura	285 kN
Peso	kg 17
Unificazione ENEL LST	Tab. AF1/A3

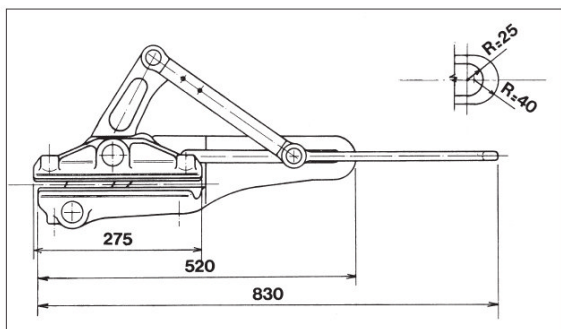
Guaine speciali possono essere fornite su richiesta.

**SELF-GRIPPING CLAMP**

Suitable for aluminium, A.C.S.R., steel earthwire, antitwisting rope and copper conductors. Made of high tensile alloy steel, hot forged, heat-treated, precision machined and zinc-plated with a complete range of interchangeable liners. The liners are available in aluminium for aluminium or aluminium/steel conductors and bronze for copper conductors, steel antitwisting rope and steel earth wire from Ø 8 mm to 44 mm

Maximum safety load	117 kN
Minimum breaking load	285 kN
Weight	kg 17

Special liners can be supplied on request.



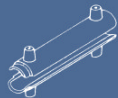
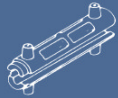
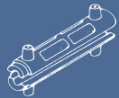


**GUAINE INTERCAMBIABILI**

Guaine intercambiabili per morsettoni IR 3104 sono costruite in alluminio per conduttori alluminio, ACSR etc... e in bronzo per conduttori in rame, funi acciaio tonde o quadre.

**INTERCHANGEABLE LINERS**

The liners are available in aluminium for aluminium or aluminium/steel conductors and bronze for copper conductors, steel antitwisting rope and steel earth wire.

	TIPO GUAINA	LINER MODEL	TYPE FOURRURE		
<b>GAMMA CONDUTTORI</b>	<b>M GA 04</b>	<b>M GB 04</b>	<b>M GV 04</b>		
<b>RANGE CONDUCTORS</b>					
<b>GAMME CONDUCTEURS</b>	GUAINA PER CONDUTTORI ALLUMINIO LINERS FOR ALUMINIUM CONDUCTORS FORRURES POUR CONDUCTEURS EN ALUMINIUM	GUAINA PER CONDUTTORI RAME LINERS FOR COPPER CONDUCTORS FORRURES POUR CONDUCTEURS EN CUIVRE	GUAINA PER FUNI ACCIAIO TONDE LINERS FOR ROUND STEEL WIRES FORRURES POUR CABLES RONDES EN ACIER		
<b>8</b>	PRODOTTE SU RICHIESTA CON DIAMETRO ESATTO  SUPPLIED ON REQUEST WITH EXACT DAMETER  FABRIQUEES SUR DEMANDE AVEC DIAMETRE PRECIS		PRODOTTE SU RICHIESTA CON DIAMETRO ESATTO COMPRESI TRA TRA 10 MM. E 34 MM.  SUPPLIED ON REQUEST WITH EXACT DIAMETER FROM 10 MM. TO 34 MM.		
<b>10</b>					
<b>12</b>					
<b>13</b>					
<b>14</b>					
<b>15</b>					
<b>16</b>					
<b>18</b>					
<b>20</b>	FABRIQUEES SUR DEMANDE AVEC DIAMETRE PRECIS		SUPPLIED ON REQUEST WITH EXACT DIAMETER FROM 8 MM. TO 26 MM.  FABRIQUEES SUR DEMANDE AVEC DIAMETRE PRECIS DE 8 MM. A 26 MM.		
<b>22,5 ÷ 24</b>				<b>G4A 225F</b>	<b>G4B 225F</b>
<b>24 ÷ 25,5</b>				<b>G4A 240F</b>	<b>G4B 240F</b>
<b>25,5 ÷ 27</b>				<b>G4A 255F</b>	<b>G4B 255F</b>
<b>27 ÷ 28,5</b>				<b>G4A 270F</b>	<b>G4B 270F</b>
<b>28,5 ÷ 30</b>				<b>G4A 285F</b>	<b>G4B 285F</b>
<b>30 ÷ 31,5</b>				<b>G4A 300F</b>	<b>G4B 300F</b>
<b>31,5 ÷ 33</b>				<b>G4A 315F</b>	<b>G4B 315F</b>
<b>33 ÷ 34,5</b>				<b>G4A 330F</b>	<b>G4B 330F</b>
<b>34,5 ÷ 36</b>				<b>G4A 345F</b>	<b>G4B 345F</b>
<b>36 ÷ 37,5</b>	<b>G4A 360F</b>	<b>G4B 360F</b>			
<b>37,5 ÷ 39</b>	<b>G4A 375F</b>	<b>G4B 375F</b>			
<b>39 ÷ 40,5</b>	<b>G4A 390F</b>	<b>G4B 390F</b>			
<b>41</b>	<b>G4A 410F</b>	<b>G4B 410F</b>			



**MORSETTONE AUTOMATICO**

Morsettone autoserrante a guaine intercambiabili, adatto per serrare conduttori in alluminio, alluminio-acciaio, rame e fune diam. da 8 mm a 35,2 mm.

È costruito con acciaio legato ad alta resistenza, stampato a caldo, trattato termicamente, accuratamente lavorato e cadmiato.

Le spine sono munite di ingrassatore.

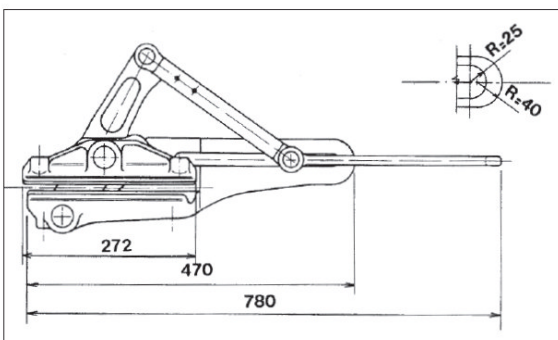
**SELF-GRIPPING CLAMP**

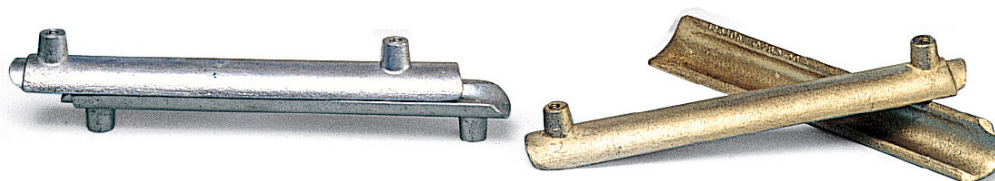
Suitable for aluminium, A.C.S.R., steel earthwire, antitwisting rope and copper conductors. Made of high tensile alloy steel, hot forged, heat-treated, precision machined and zinc-plated with a complete range of interchangeable liners.

The liners are available in aluminium for aluminium or aluminium/steel conductors and bronze for copper conductors, steel antitwisting rope and steel earth wire from 8 mm to 35,2 mm.

Carico massimo di sicurezza	88 kN
Carico minimo di rottura	275 kN
Peso	13,5 kg
Unificazione ENEL LST	Tab. AF1/A2

Maximum safety load	88 kN
Minimum breaking load	275 kN
Weight	13,5 kg



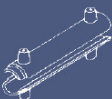
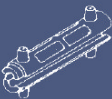
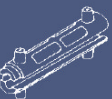


**GUAINA INTERCAMBIABILI**

Guaine intercambiabili per morsettoni IR 3105 - S sono costruite in alluminio per conduttori alluminio, ACSR etc... e in bronzo per conduttori in rame, funi acciaio tonde o quadre.

**INTERCHANGEABLE LINERS**

The liners are available in aluminium for aluminium or aluminium/steel conductors and bronze for copper conductors, steel antitwisting rope and steel earth wire.

	TIPO GUAINA	LINER MODEL	TYPE FOURRURE
<b>GAMMA CONDUTTORI</b>	<b>M GA 05</b>	<b>M GB 05</b>	<b>M GV 05</b>
<b>RANGE CONDUCTORS</b>			
<b>GAMME CONDUCTEURS</b>	GUAINA PER CONDUTTORI ALLUMINIO LINERS FOR ALUMINIUM CONDUCTORS FORRURES POUR CONDUCTEURS EN ALUMINIUM	GUAINA PER CONDUTTORI RAME LINERS FOR COPPER CONDUCTORS FORRURES POUR CONDUCTEURS EN CUIVRE	GUAINA PER FUNI ACCIAIO TONDE LINERS FOR ROUND STEEL WIRES FORRURES POUR CABLES RONDES EN ACIER
<b>8 ÷ 9</b>	<b>G5A 080F</b>	<b>G5B 080F</b>	Prodotte su richiesta con diametro esatto compresi tra 8 mm e 22 mm  SUPPLIED ON REQUEST WITH EXACT DIAMETER FROM 8 mm TO 22 mm  FABRIQUEES SUR DEMANDE AVEC DIAMETRE PRECIS DE 8 mm A 22 mm
<b>9 ÷ 10,5</b>	<b>G5A 090F</b>	<b>G5B 090F</b>	
<b>10,5 ÷ 12</b>	<b>G5A 105F</b>	<b>G5B 105F</b>	
<b>12 ÷ 13,5</b>	<b>G5A 120F</b>	<b>G5B 120F</b>	
<b>13,5 ÷ 15</b>	<b>G5A 135F</b>	<b>G5B 135F</b>	
<b>15 ÷ 16,5</b>	<b>G5A 150F</b>	<b>G5B 150F</b>	
<b>16,5 ÷ 18</b>	<b>G5A 165F</b>	<b>G5B 165F</b>	
<b>18 ÷ 19,5</b>	<b>G5A 180F</b>	<b>G5B 180F</b>	
<b>19,5 ÷ 21</b>	<b>G5A 195F</b>	<b>G5B 195F</b>	
<b>21 ÷ 22,5</b>	<b>G5A 210F</b>	<b>G5B 210F</b>	
<b>22,5 ÷ 24</b>	<b>G5A 225F</b>	<b>G5B 225F</b>	
<b>24 ÷ 25,5</b>	<b>G5A 240F</b>	<b>G5B 240F</b>	
<b>25,5 ÷ 27</b>	<b>G5A 255F</b>	<b>G5B 255F</b>	
<b>27 ÷ 28,5</b>	<b>G5A 270F</b>	<b>G5B 270F</b>	
<b>28,5 ÷ 30</b>	<b>G5A 285F</b>	<b>G5B 285F</b>	
<b>30 ÷ 31,5</b>	<b>G5A 300F</b>	<b>G5B 300F</b>	
<b>31,5 ÷ 35,2</b>	<b>ON SPECIFIC Ø</b>	<b>ON SPECIFIC Ø</b>	



**MORSETTONE AUTOMATICO**

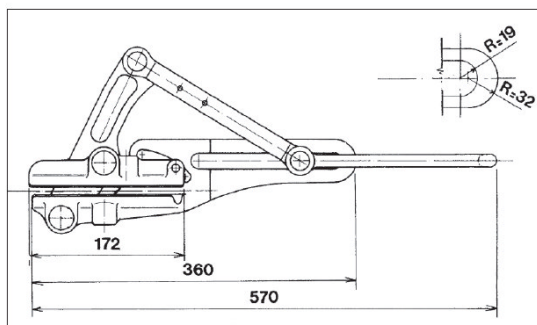
Morsettone autoserrante a guaine intercambiabili, adatto per serrare conduttori in alluminio, alluminio-acciaio, rame e fune acciaio da 6 mm a 23 mm. È costruito con acciaio legato ad alta resistenza, stampato a caldo, trattato termicamente, accuratamente lavorato e cadmiato.

**SELF-GRIPPING CLAMP**

Suitable for aluminium, A.C.S.R., steel earth wire, antitwisting rope and copper conductors. from 6 to 23 mm. Made of high tensile alloy steel, hot forged, heat-treated, precision machined and zinc-plated with a complete range of interchangeable liners. The liners are available in aluminium for aluminium or aluminium/steel conductors and bronze for copper conductors, steel antitwisting rope and steel earth wire.

Carico massimo di sicurezza 49 kN  
 Carico minimo di rottura 180 kN  
 Peso 7 kg  
 Unificazione ENEL LST Tab. AF1/A1

Maximum safety load 49 kN  
 Minimum breaking load 180 kN  
 Weight 7 kg









**GUAINE INTERCAMBIABILI**

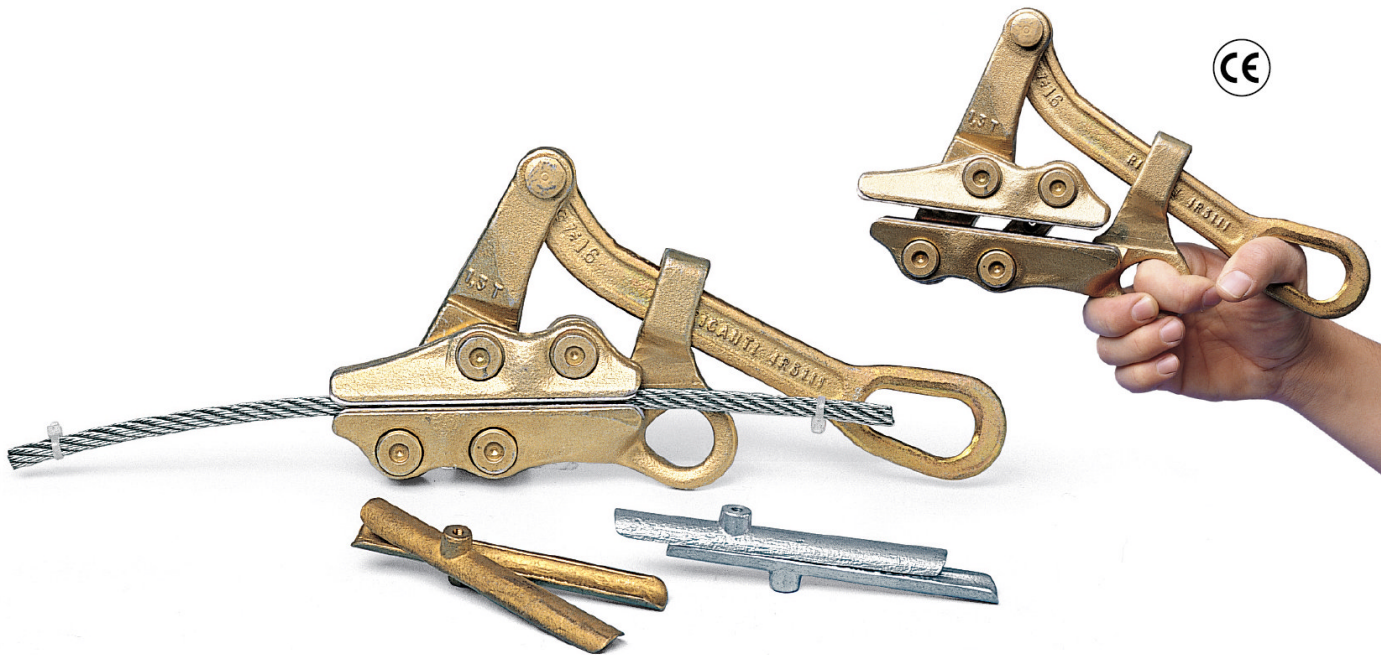
Guaine intercambiabili per morsettoni IR 3107 sono costruite in alluminio per conduttori alluminio, ACSR etc... e in bronzo per conduttori in rame, funi acciaio tonde o quadre.

**INTERCHANGEABLE LINERS**

The liners are available in aluminium for aluminium or aluminium/steel conductors and bronze for copper conductors, steel antitwisting rope and steel earth wire.

	TIPO GUAINA	LINER MODEL	TYPE FOURRURE
GAMMA CONDUTTORI RANGE CONDUCTORS GAMME CONDUCTEURS	M GA 07  GUAINE PER CONDUTTORI ALLUMINIO LINERS FOR ALUMINIUM CONDUCTORS FOURRURES POUR CONDUCTEURS EN ALUMINIUM	M GB 07  GUAINE PER CONDUTTORI RAME LINERS FOR COPPER CONDUCTORS FOURRURES POUR CONDUCTEURS EN CUIVRE	M GV 07  GUAINE PER FUNI ACCIAIO TONDE LINERS FOR ROUND STEEL WIRES FOURRURES POUR CABLES RONDES EN ACIER
			M GQ 07  GUAINE PER FUNI ACCIAIO QUADRE LINERS FOR SQUARE STEEL WIRES FOURRURES POUR CABLES CARRÉS EN ACIER
6 ÷ 6,5	G7A 060F	G7B 060F	Prodotte su richiesta con diametro esatto compresi tra 6 mm e 16 mm  SUPPLIED ON REQUEST WITH EXACT DIAMETER FROM 6 mm TO 16 mm  FABRIQUEES SUR DEMANDE AVEC DIAMETRE PRECIS DE 6 mm A 16 mm
6,5 ÷ 8	G7A 065F	G7B 065F	
8 ÷ 9,5	G7A 080F	G7B 080F	
9,5 ÷ 11	G7A 095F	G7B 095F	
11 ÷ 12,5	G7A 110F	G7B 110F	
12,5 ÷ 14	G7A 125F	G7B 125F	
14 ÷ 15,5	G7A 140F	G7B 140F	
15,5 ÷ 17	G7A 155F	G7B 155F	
17 ÷ 18,5	G7A 170F	G7B 170F	
18,5 ÷ 20	G7A 185F	G7B 185F	
20 ÷ 21,5	G7A 200F	G7B 200F	Prodotte su richiesta con diametro esatto compresi tra 6 mm e 16 mm  SUPPLIED ON REQUEST WITH EXACT DIAMETER FROM 6 mm TO 16 mm  FABRIQUEES SUR DEMANDE AVEC DIAMETRE PRECIS DE 6 mm A 16 mm
21,5 ÷ 23	G7A 215F	G7B 215F	





**MORSETTONE AUTOMATICO**

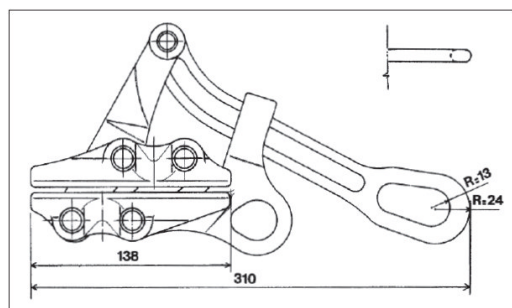
**SELF-GRIPPING CLAMP**

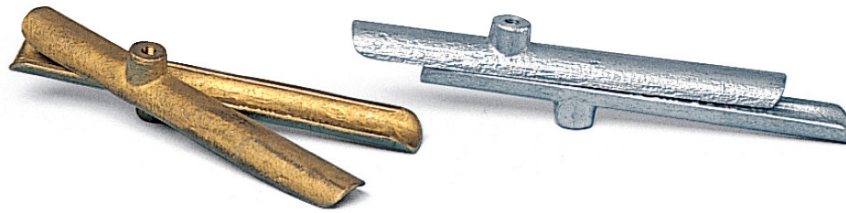
Morsettone autoserrante a guaine intercambiabile adatto per serrare conduttori in alluminio, alluminio-acciaio, rame e fune acciaio da 7 mm a 16 mm. È costruito con acciaio legato ad alta resistenza, stampato a caldo, trattato termicamente, accuratamente lavorato e cadmiato.

Self gripping clamp with changeable liners suitable for gripping aluminium, aluminium-steel, copper conductors and steel wires from 7 mm to 16 mm. This clamp is made of high tensile alloy steel, hot forged, heat-treated, precision machined and cadmium plated.

Carico massimo di sicurezza	21,2 kN
Carico minimo di rottura	64 kN
Peso	2,5 kg
Unificazione ENEL LST	Tab. AF1/B1

Maximum safety load	21,2 kN
Minimum breaking load	64 kN
Weight	2,5 kg








**GUAINE INTERCAMBIABILI**

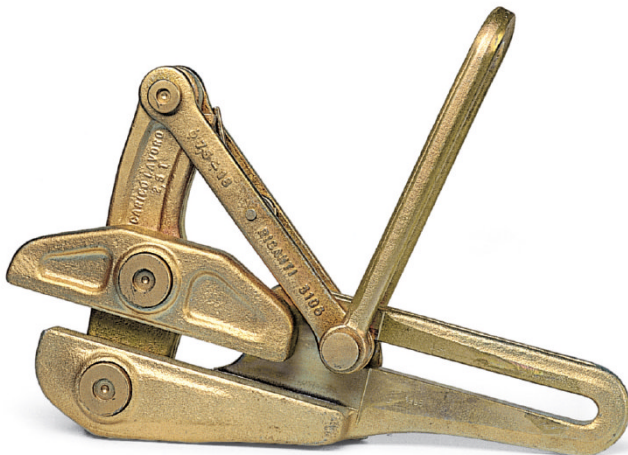
Guaine intercambiabili per morsettoni IR 3111 sono costruite in alluminio per conduttori alluminio, ACSR etc... e in bronzo per conduttori in rame, funi acciaio tonde o quadre.

**INTERCHANGEABLE LINERS**

The liners are available in aluminium for aluminium or aluminium/steel conductors and bronze for copper conductors, steel antitwisting rope and steel earth wire.

	TIPO GUAINA	LINER MODEL	TYPE FOURRURE
<b>GAMMA CONDUTTORI</b>	<b>M GA 11</b>	<b>M GB 11</b>	<b>M GV 11</b>
<b>RANGE CONDUCTORS</b>			
<b>GAMME CONDUCTEURS</b>	GUAINA PER CONDUTTORI ALLUMINIO LINERS FOR ALUMINIUM CONDUCTORS FOURRURES POUR CONDUCTEURS EN ALUMINIUM	GUAINA PER CONDUTTORI RAME LINERS FOR COPPER CONDUCTORS FOURRURES POUR CONDUCTEURS EN CUIVRE	GUAINA PER FUNI ACCIAIO TONDE LINERS FOR ROUND STEEL WIRES FOURRURES POUR CABLES RONDES EN ACIER
<b>7 ÷ 8,5</b>	<b>G1A 070F</b>	<b>G1B 070F</b>	Prodotte su richiesta con diametro esatto compresi tra 7 mm e 13 mm SUPPLIED ON REQUEST WITH EXACT DIAMETER FROM 7 mm TO 13 mm FABRIQUEES SUR DEMANDE AVEC DIAMETRE PRECIS DE 7 mm A 13 mm
<b>8,5 ÷ 10</b>	<b>G1A 085F</b>	<b>G1B 085F</b>	
<b>10 ÷ 11,5</b>	<b>G1A 100F</b>	<b>G1B 100F</b>	
<b>11,5 ÷ 13</b>	<b>G1A 115F</b>	<b>G1B 115F</b>	
<b>13 ÷ 14,5</b>	<b>G1A 130F</b>	<b>G1B 130F</b>	
<b>14,5 ÷ 16</b>	<b>G1A 145F</b>	<b>G1B 145F</b>	
			Prodotte su richiesta con diametro esatto compresi tra 7 mm e 13 mm SUPPLIED ON REQUEST WITH EXACT DIAMETER FROM 7 mm TO 13 mm FABRIQUEES SUR DEMANDE AVEC DIAMETRE PRECIS DE 7 mm A 13 mm

**Guaine speciali per conduttori ricoperti in PVC sono disponibili su richiesta**  
**Special liners for PVC covered conductors are available on demand**  
**Fourrures spéciales pour conducteurs couverts en PVC sont disponibles sur demande**



**MORSETTONE AUTOMATICO**

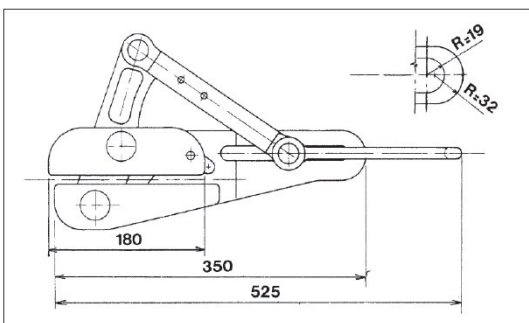
Morsettone autoserrante, adatto per serrare funi in acciaio da 7,5 mm a 18 mm. È costruito con acciaio legato ad alta resistenza, stampato o caldo, trattato termicamente, accuratamente lavorato e cadmiato.

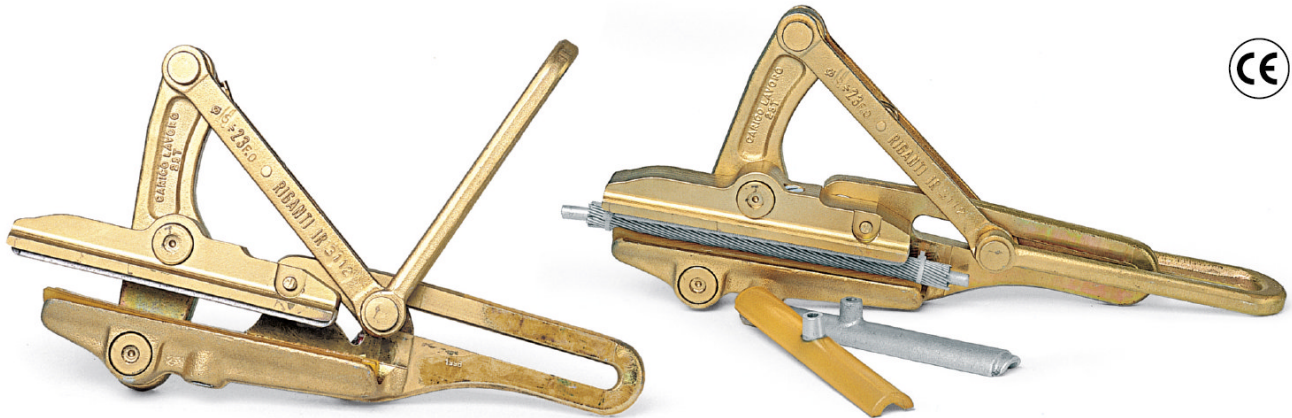
Carico massimo di sicurezza	50 kN
Carico minimo di rottura	125 kN
Peso	7 kg
Unificazione ENEL LST	Tab. AF1/A5

**SELF-GRIPPING CLAMP**

Suitable for steel earth wire, antitwisting rope and copper conductor from 7,5 mm to 18 mm. Made of high tensile alloy steel, hot forged, heat-treated, precision machined and zinc-plated.

Maximum safety load	50 kN
Minimum breaking load	125 kN
Weight	7 kg





**MORSETTONE AUTOMATICO**

Morsettone autoserrante a guaine intercambiabili, adatto per serrare funi di guardia con anima in fibra ottica Ø esterno da 6 mm a 23 mm. È costruito con acciaio legato ad alta resistenza, stampato a caldo trattato termicamente, accuratamente lavorato e cadmiato.

Carico massimo di sicurezza 49 kN  
 Carico minimo di rottura 180 kN  
 Peso 7 kg  
 Unificazione ENEL LST Tab AF 1/A6

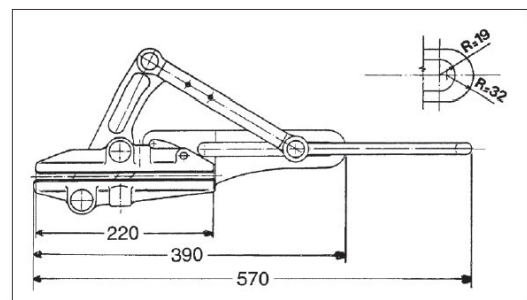
**SELF-GRIPPING CLAMP**

Suitable for OPGW conductors outer Ø 6-23 mm  
 Made of high tensile alloy steel, hot forged, heat-treated, precision machined and zinc-plated with a complete range of interchangeable liners.

Maximum safety load 49 kN  
 Minimum breaking load 180 kN  
 Weight 7 kg

**GUAINE PER MORSETTO – LINERS FOR CLAMP**

**Model MIR3112**

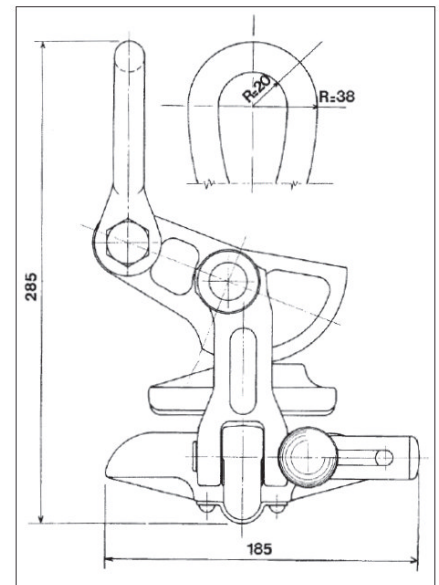
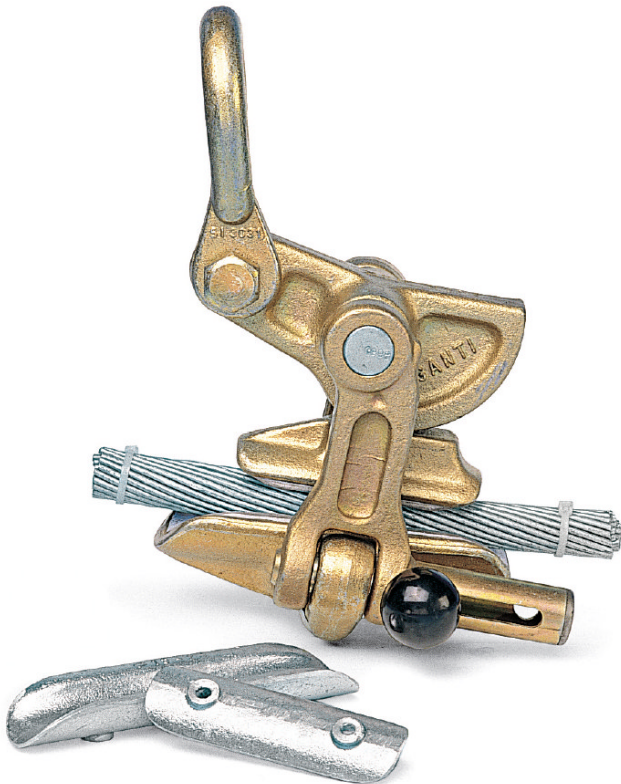


**GUAINE INTERCAMBIABILI**

La guaina inferiore è in Adiprene, mentre quella superiore è in alluminio. Occorrono le guaine specifiche per ciascun diametro di conduttore.

**INTERCHANGEABLE LINERS**

The lower liner is made of Adiprene whereas the upper one is made of aluminium. You need suitable liners for each conductor diameter.



### MORSETTONE AUTOMATICO

Morsettone autoserrante a guaine intercambiabili, adatto per serrare conduttori in sospensione da 7 mm a 38 mm. È costruito con acciaio legato ad alta resistenza, stampato a caldo, trattato termicamente, accuratamente lavorato e cadmiato.

Carico massimo di sicurezza	39,2 kN
Carico minimo di rottura	110 kN
Peso	5,5 kg
Unificazione ENEL LST	Tab. AF4/1 Tab. LST AF4/2


### SELF-GRIPPING CLAMP

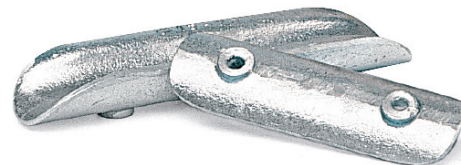
Self-gripping clamps suitable for lifting conductors in suspension. Suitable for aluminium, A.C.S.R. from 7 mm to 38 mm.

Made of high tensile alloy steel, hot forged, heat-treated, precision machined and zinc-plated with a complete range of interchangeable liners.

The liners are available in aluminium for aluminium or aluminium/steel conductors.

Maximum safety load	39,2 kN
Minimum breaking load	110 kN
Weight	5,5 kg

	TIPO GUAINA	LINER MODEL	TYPE FOURRURE
GAMMA CONDUTTORI	M GA 08		
RANGE CONDUCTORS			
GAMME CONDUCTEURS	GUAINA PER CONDUTTORI ALLUMINIO LINERS FOR ALUMINIUM CONDUCTORS FOURRURES POUR CONDUCTEURS EN ALUMINIUM		
7 ÷ 11	G8A 070F		
9 ÷ 12	G8A 090F		
12 ÷ 16	G8A 120F		
15 ÷ 23	G8A 150F		
22 ÷ 36	G8A 220F		
30 ÷ 38	G8A 300F		



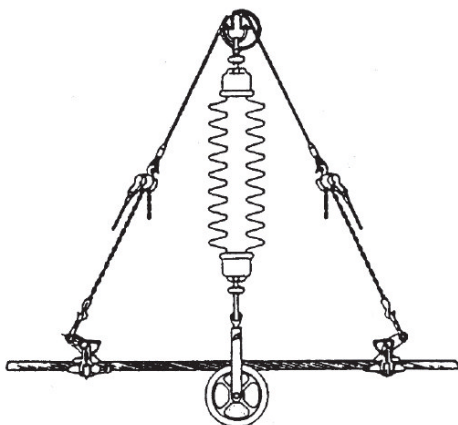
**GUAINE INTERCAMBIABILI**

Guaine intercambiabili per morsettoni IR 3108 sono costruite in alluminio per conduttori alluminio, A.C.S.R.

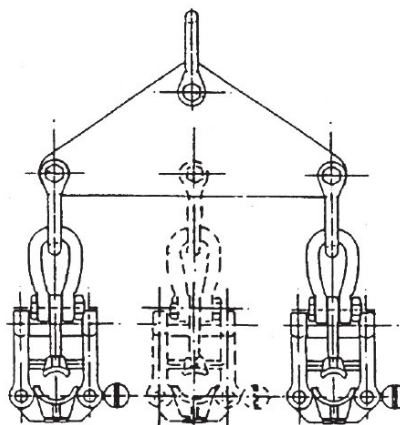
**INTERCHANGEABLE LINERS**

The liners for clamps IR 3108 are available in aluminium for aluminium or aluminium/steel conductors.

**ESEMPIO DI UTILIZZO**



**TYPICAL USE EXAMPLE**





**MORSETTONE AUTOMATICO**

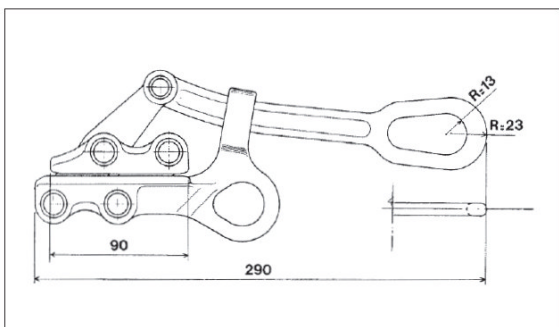
Morsettone autoserrante, adatto per serrare funi in acciaio e conduttori in rame da 2,5 mm a 15 mm. È costruito con acciaio legato ad alta resistenza, stampato a caldo, trattato termicamente, accuratamente lavorato e cadmiato.

**SELF-GRIPPING CLAMP**

Suitable for steel rope and copper conductors from 2,5 mm to 15 mm. Made of high tensile alloy steel, hot forged, heat-treated, precision machined and zinc-plated.

Carico massimo di sicurezza	19,6 kN
Carico minimo di rottura	49 kN
Peso	1,5 kg
Unificazione ENEL LST	Tab. AF1/B2

Maximum safety load	19,6 kN
Minimum breaking load	49 kN
Weight	1,5 kg



## PRESSAGIUNTI IDRAULICHE – JOINTS HYDRAULIC PRESSES

La gamma di presse idrauliche con differente potenza, è stata progettata per ottimizzare il lavoro di compressione di giunti e morse su conduttori e su funi d'acciaio durante la tesatura delle linee elettriche aeree. Il peso ridotto, la facilità d'uso e la velocità del ciclo di pressate sono le caratteristiche più apprezzate. Inoltre la totale intercambiabilità di tutti i componenti della gamma di presse e dei relativi accessori costituiscono un apprezzabile vantaggio.

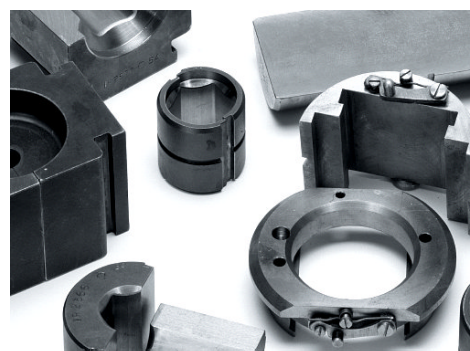
Tutte le presse possono essere comandate da una centralina oleodinamica con motore a scoppio, elettrico o da una pompa a mano, tramite il collegamento con tubi idraulici muniti di giunti rapidi e di lunghezza variabile da 1,5m. a 60m.

Tutte le presse sono conformi alle normative CE di riferimento.

The range of hydraulic presses with different capacity, have been designed to optimize the works of compress of joints and dead ends on conductors and steel wires during OHTL stringing operations. Easy to operate, low weight and fastest work cycles speed are the most appreciated characteristics. Besides, the complete interchangeability of the components of the full range of the presses give and valuable advantage.

All the presses can be operated by means of a separate hydraulic power pack provided of gasoline engine or electric motor or hand operated pump, with hydraulic connection hoses provided of quick couplings and different lengths from 1, m to 60m.

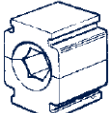
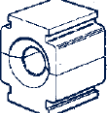
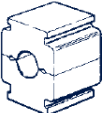



All the presses are comply to EC safety standards.



Modello Model	MIRP60	MIRP65	MIRP100	MIRP110	
Potenza Capacity	Ton (kN)	60 (600)	65 (650)	100 (1000)	110 (1100)
Pressione esercizio Max. Max. working pressure	Bar	700	700	700	700
Esagono max. Max. hexagon	mm	57	57	57	65
Corsa max. Max. stroke	Mm	18	26	26	25
Peso Weight	Kg	24	33	32	46
Dimensioni con imballo Dimensions with case	mm	500x700x620h			



## STAMPI E ACCESSORI PER PRESSAGIUNTI IDRAULICHE DIES AND ACCESSORIES FOR HYDRAULIC PRESSES

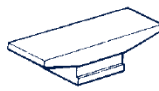

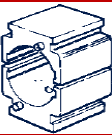
PRESSA PRESS	Tipo giunto Joint type	Tipo di compressione Type of compression					
		Esagonale Hex.	Rotonda Round	Tallurit	Esagonale Hex.	Rotonda Round	Tallurit
							
MIRP55 MIRP60	Acciaio - Rame Steel - Copper Alluminio Aluminium				MIRP2569 MIRP2565	MIRP2557 MIRP2553	MIRP4648P
MIRP65	Acciaio - Rame Steel - Copper Alluminio Aluminium				MIRP2585 MIRP2586	MIRP2587 MIRP2588	MIRP4649A
MIRP100	Acciaio - Rame Steel - Copper Alluminio Aluminium				MIRP2580 MIRP2581	MIRP2583 MIRP2584	MIRP4648A
MIRP110	Acciaio - Rame Steel - Copper Alluminio Aluminium	MIRP2564 MIRP2568	MIRP2552 MIRP2556		MIRP2570* MIRP2566*	MIRP2558* MIRP2554*	MIRP4648T*

\* necessita di porta stampi adattatore MIRPST90

It is needed the adaptor dies holder MIRPST90

NOTA BENE: in caso di ordine è necessario specificare la chiave esagonale per ciascun stampo

REMARKS: in case of order it is necessary to specify the hexagonal key for each die

PRESSA PRESS	Raddrizzagiunti Joints straightening	Raddrizzagiunti Joint strightening	Adattatore porta stampi Dies holder adapter
			
MIRP55 MIRP60		MIRP2574	
MIRP65		MIRP2582	
MIRP100		MIRP2582	
MIRP110	MIRP2572	MIRP2573*	MIRPST90

\* necessita di porta stampi adattatore MIRPST90

It is needed the adaptor dies holder MIRPST90

## POMPE IDRAULICHE E ACCESSORI PER PRESSAGIUNTI IDRAULICHE HYDRAULIC PUMPS AND ACCESSORIES FOR HYDRAULIC PRESSES



Pompa idraulica a due stadi disponibile nelle versioni monotubo o bitubo, con funzionamento manuale o a pedale, con valvola di sicurezza, manometro e raccordi rapidi di collegamento ai tubi idraulici.

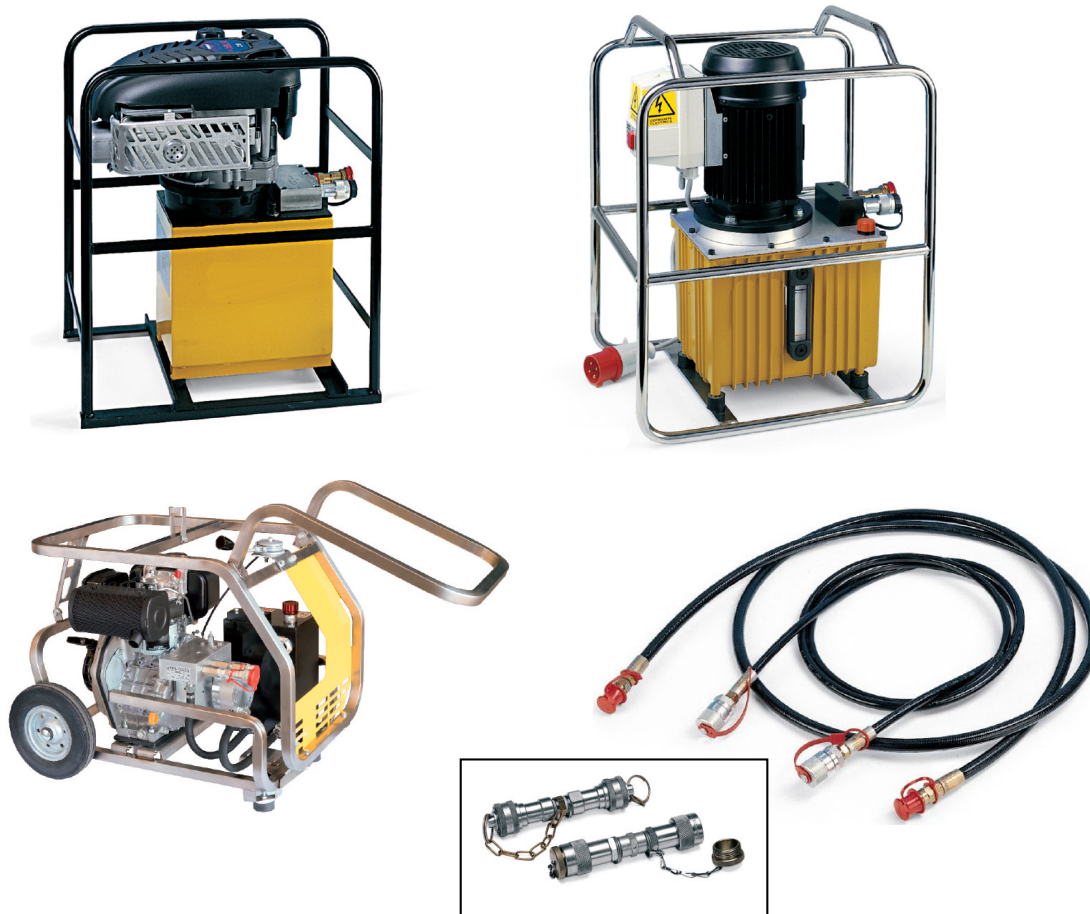
Coppia di tubi idraulici flessibili per il collegamento tra la pompa - pressa idrauliche, completi di raccordi rapidi, composta da: tubo di mandata ad alta pressione, rinforzato con spirale in acciaio e rivestimento esterno in gomma; tubo di scarico a bassa pressione. Disponibili con lunghezze variabili da 1,5m a 60m.

Two-stages hydraulic pump available in single pipe or double pipes versions, manual or foot operating, provided of safety valve, dial manometer and quick couplings to the hydraulic hoses.

Pair of flexible hydraulic hoses fit for the pump – press connections, complete of quick couplings, composed by: High-pressure oil delivery hose, reinforced with steel spiral wires and rubber outer coating; low-pressure release hose. Available in different lengths from 1,5m to 60m.

Modello <i>Model</i>	MPMM	MPMB	MPMP	
Pressione esercizio Max. <i>Max. working pressure</i>	Bar	700	700	700
Capacità olio <i>Oil capacity</i>	Lt	2,2	2,2	2,2
Peso <i>Weight</i>	Kg	9,5	10	10
Dimensioni con imballo <i>Dimensions with case</i>	mm	700x350x250h		

## CENTRALINE IDRAULICHE E ACCESSORI PER PRESSAGIUNTI IDRAULICHE HYDRAULIC POWER PACKS AND ACCESSORIES FOR HYDRAULIC PRESSES



Pompe idrauliche motorizzate, disponibili in tre versioni con motore a scoppio, diesel o elettrico; ciascuna completa di valvola di sicurezza e raccordi rapidi di collegamento ai tubi idraulici, telaio in acciaio di protezione e trasporto.

Coppia di tubi idraulici flessibili per il collegamento tra la pompa - pressa idrauliche, completi di raccordi rapidi, composta da: tubo di mandata ad alta pressione, rinforzato con spirale in acciaio e rivestimento esterno in gomma; tubo di scarico a bassa pressione. Disponibili con lunghezze variabili da 1,5m a 60m.

Hydraulic power packs available in three versions with gasoline or diesel engine, or electric motor; each model provided of safety valve, quick couplings to the hydraulic hoses, protection and handling steel frame.

Pair of flexible hydraulic hoses fit for the pump – press connections, complete of quick couplings, composed by: High-pressure oil delivery hose, reinforced with steel spiral wires and rubber outer coating; low-pressure release hose. Available in different lengths from 1,5m to 60m.

Modello (motore) Model (engine-motor)	CMS14012 (benzina) (gasoline)	CME16083 (elettrico) (electric)	CMD18144 (diesel)
Potenza motore Engine-motor power	5 HP	2.2 kW	4,5 HP
Pressione esercizio Max. Max. working pressure	700	700	700
Portata olio max. Max. oil flow	1,3	1,3	1,3
Capacità olio Oil capacity	12	12	10
Peso Weight	45	44	66
Dimensioni con imballo Dimensions with case	500x700x750h	500x700x750h	800x1000x2800h

