# ROPE SYSTEM®

by ind.i.a.

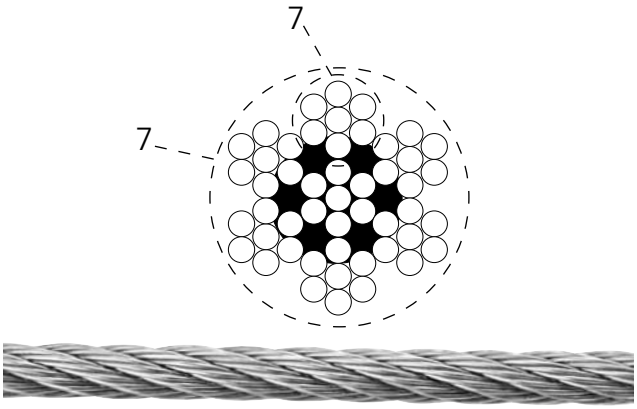
Incredibilmente modulare e semplice da istallare. In origine utilizzata nelle applicazioni navali è ormai da parecchi anni che ricopre il ruolo di protagonista in molte strutture architettonich e moderne. ROPE SYSTEM è incredibilmente facile da montare e garantisce soluzioni estremamente attuali e dalla grandissima capacità di integrazione in qualsiasi ambiente.

Such system is extremely modular and easy to install. At the beginning it was used in the naval field but in recent years it has become the main actor in many architectural and modern structures. The ROPE SYSTEM is extremely easy to assemble and it ensures topical solutions that perfectly fit in every environment.

**42**
NUOVI PRODOTTI
NEW PRODUCTS

## Funi 7 x 7 - Wire Ropes 7 x 7

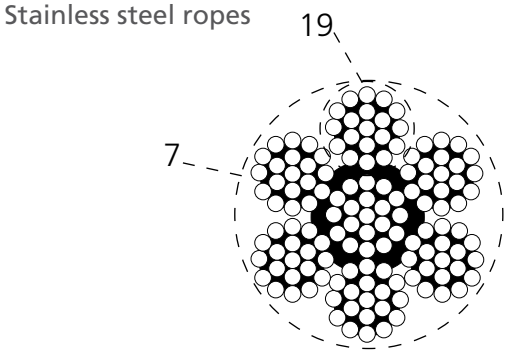
Funi in acciaio Inox
Stainless steel ropes




| AISI 316 | Cod. art. Art. no. | Fune Rope | Forza di rottura minima Min. Brake load |
|---|---|---|---|
| | EF7X704 | Ø 4 mm - 5/32" dia. | 9,00 kN |
| | EF7X705 | Ø 5 mm - 13/64" dia. | 14,00 kN |
| | EF7X706 | Ø 6 mm - 15/64" dia. | 20,00 kN |

## Funi 7 x 19 - Wire Ropes 7 x 19

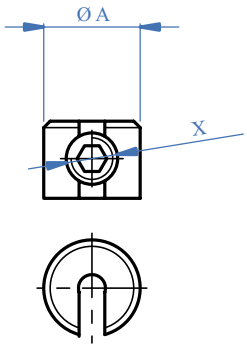
Funi in acciaio Inox
Stainless steel ropes



| AISI 316 | Cod. art. Art. no. | Fune Rope | Forza di rottura minima Min. Brake load |
|---|---|---|---|
| | EF7X1904 | Ø 4 mm - 5/32" dia. | 8,50 kN |
| | EF7X1905 | Ø 5 mm - 13/64" dia. | 14,00 kN |
| | EF7X1906 | Ø 6 mm - 15/64" dia. | 20,00 kN |

## Accessori per Funi - Wire Accessories

### Cilindri di fermo ad un grano
Stopper for wire rope with set screw



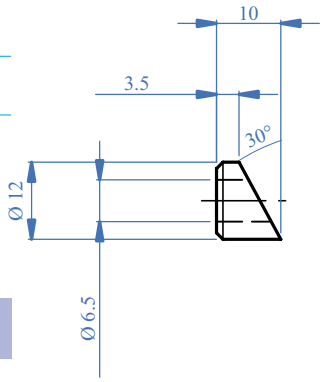
| AISI 303 Cod. art. Art. no. | Fune Rope | x | Ø A |
|---|---|---|---|
| EA04 | Ø 4 mm 5/32" dia. | M8 | Ø 15 mm 19/32" dia. |
| EA05 | Ø 5-6 mm 13/64" - 15/64" dia. | M6 | Ø 20 mm 25/32" dia. |

| AISI 316 Cod. art. Art. no. | Fune Rope | x | Ø A |
|---|---|---|---|
| NEW EA04316 | Ø 4 mm 5/32" dia. | M8 | Ø 15 mm 19/32" dia. |
| NEW EA05316 | Ø 5-6 mm 13/64" - 15/64" dia. | M6 | Ø 20 mm 25/32" dia. |

### Rondella di spessoramento inclinata per terminali filettati
Sloping washers for threaded terminals

| AISI 303 Cod. art. Art. no. | Per tubo For tube | Foro Hole |
|---|---|---|
| EB06 | Ø 33,7 mm 1 1/3" dia. | Ø 6,5 mm 17/64" dia. |
| EB061 | Ø 42,4 mm 1 2/3" dia. | Ø 6,5 mm 17/64" dia. |
| EB062 | Ø 48,3 mm 1 7/8" dia. | Ø 6,5 mm 17/64" dia. |
| EB063 | Superficie piana Flat face | Ø 6,5 mm 17/64" dia. |

| AISI 316 Cod. art. Art. no. | Per tubo For tube | Foro Hole |
|---|---|---|
| NEW EB06316 | Ø 33,7 mm 1 1/3" dia. | Ø 6,5 mm 17/64" dia. |
| NEW EB061316 | Ø 42,4 mm 1 2/3" dia. | Ø 6,5 mm 17/64" dia. |
| NEW EB062316 | Ø 48,3 mm 1 7/8" dia. | Ø 6,5 mm 17/64" dia. |
| NEW EB063316 | Superficie piana Flat face | Ø 6,5 mm 17/64" dia. |

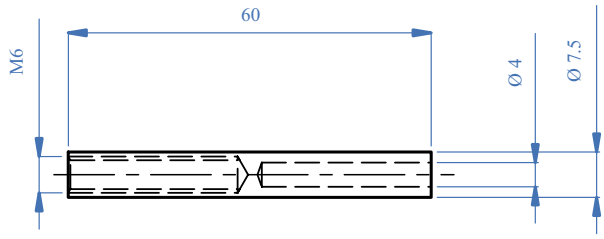


| AISI 303 Cod. art. Art. no. | Per tubo For tube | Foro Hole |
|---|---|---|
| NEW EB07 | Ø 33,7 mm 1 1/3" dia. | Ø 8,5 mm 11/32" dia. |
| NEW EB071 | Ø 42,4 mm 1 2/3" dia. | Ø 8,5 mm 11/32" dia. |
| NEW EB072 | Ø 48,3 mm 1 7/8" dia. | Ø 8,5 mm 11/32" dia. |
| NEW EB073 | Superficie piana Flat face | Ø 8,5 mm 11/32" dia. |

| AISI 316 Cod. art. Art. no. | Per tubo For tube | Foro Hole |
|---|---|---|
| NEW EB07316 | Ø 33,7 mm 1 1/3" dia. | Ø 8,5 mm 11/32" dia. |
| NEW EB071316 | Ø 42,4 mm 1 2/3" dia. | Ø 8,5 mm 11/32" dia. |
| NEW EB072316 | Ø 48,3 mm 1 7/8" dia. | Ø 8,5 mm 11/32" dia. |
| NEW EB073316 | Superficie piana Flat face | Ø 8,5 mm 11/32" dia. |

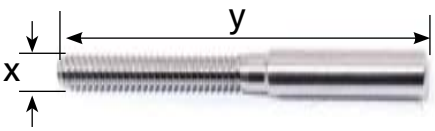
# Accessori per Funi - Wire Accessories

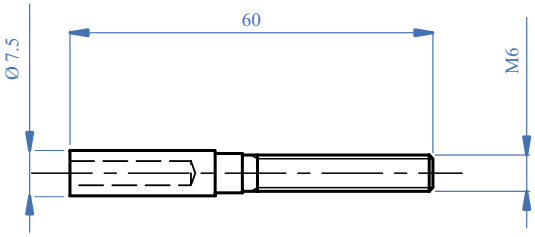
## Terminale filettato femmina
Threaded inside terminal




| AISI 316 | Cod. art. sinistro<br>Art. no. left | Cod. art. destro<br>Art. no. right | Fune<br>Rope | x | y |
|---|---|---|---|---|---|
| | ETF04SX | ETF04DX | Ø 4 mm<br>5/32" dia. | M6 | 60 mm<br>2 23/64" |
| | ETF05SX | ETF05DX | Ø 5 mm<br>13/64" dia. | M6 | 60 mm<br>2 23/64" |
| | ETF06SX | ETF06DX | Ø 6 mm<br>15/64" dia. | M6 | 70 mm<br>2 3/4" |

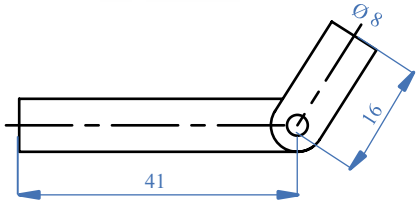
## Terminale filettato maschio
Threaded terminal




| AISI 316 | Cod. art. sinistro<br>Art. no. left | Cod. art. destro<br>Art. no. right | Fune<br>Rope | x | y |
|---|---|---|---|---|---|
| | ETM04SX | ETM04DX | Ø 4 mm<br>5/32" dia. | M6 | 60 mm<br>2 23/64" |
| | ETM05SX | ETM05DX | Ø 5 mm<br>13/64" dia. | M6 | 60 mm<br>2 23/64" |
| | ETM06SX | ETM06DX | Ø 6 mm<br>15/64" dia. | M6 | 70 mm<br>2 3/4" |

## Snodo per funi
Adjustable connector




| AISI 304 | Cod. art.<br>Art. no. | Descrizione<br>Description |
|---|---|---|
| | ED05 | Snodo con 2 filetti interni M6<br>Adjustable ropes with 2 M6 thread |

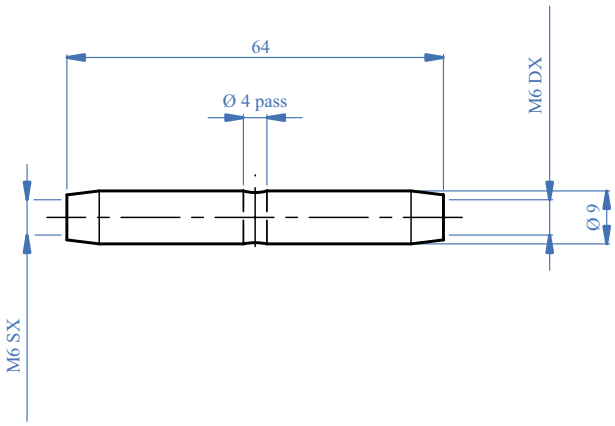
| AISI 316 | Cod. art.<br>Art. no. | Descrizione<br>Description |
|---|---|---|
| NEW | ED05316 | Snodo con 2 filetti interni M6<br>Adjustable ropes with 2 M6 thread |

ARTEFERRO

ARTEFERRO

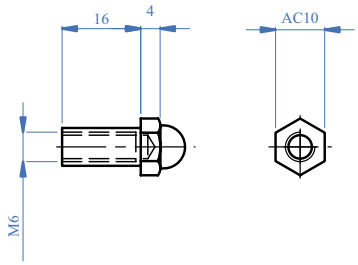
## Accessori per Funi - Wire Accessories

### Tenditore
Coupling nut



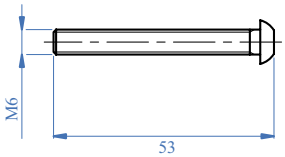

| AISI 316 | Cod. art. Art. no. | Descrizione Description |
|---|---|---|
| | ET06 | Tenditore con filettature interne sinistra/destra M6<br>Domed head nut right hand thread M6 |

### Terminale a testa esagonale
Finial with hexagonal head




| AISI 316 | Cod. art. Art. no. | Descrizione Description |
|---|---|---|
| | ED06 | Dado cieco con gambo prolungato filettatura destra M6<br>Domed head nut right hand thread M6 |
| | ED06SX | Dado cieco con gambo prolungato filettatura sinistra M6<br>Domed head nut left hand thread M6 |

### Vite di fissaggio
Fastening screw

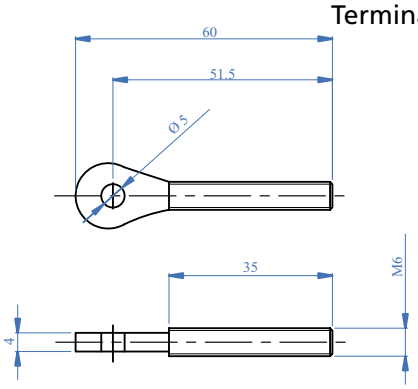



| AISI 316 | Cod. art. Art. no. | Descrizione Description |
|---|---|---|
| | ED07 | Vite a testa bombata M6 filettatura destra<br>Rounded head screw M6 thread right |
| | ED07SX | Vite a testa bombata M6 filettatura sinistra<br>Rounded head screw M6 thread left |

## Accessori per Funi - Wire Accessories

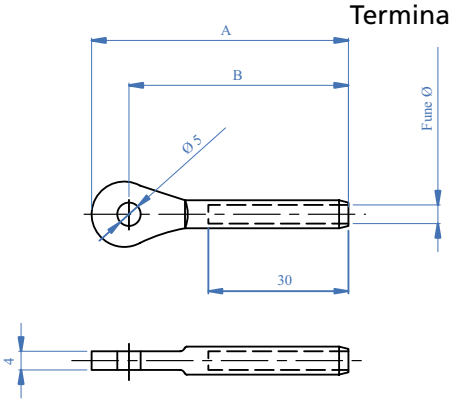
### Terminale ad occhio maschio, filettato M6
Threaded eye stud M6

| AISI 316 | Cod. art. Art. no. | Descrizione Description |
|---|---|---|
| | ETFM06DX | Filettatura a destra Right hand thread |
| | ETFM06SX | Filettatura a sinistra Left hand thread |



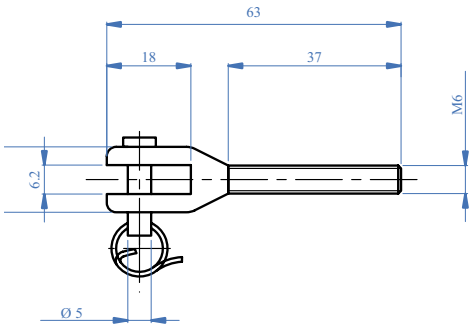
### Terminale ad occhio femmina da pressare
Eye terminal to crimp

| AISI 316 | Cod. art. Art. no. | Fune Rope | A | B |
|---|---|---|---|---|
| | ETFF04 | Ø 4 mm 5/32" dia. | 55 mm 2 7/8" | 48 mm 1 7/8" |
| | ETFF05 | Ø 5 mm 13/64" dia. | 55 mm 2 7/8" | 48 mm 1 7/8" |
| | ETFF06 | Ø 6 mm 15/64" dia. | 89 mm 3 15/32" | 74 mm 2 61/64" |



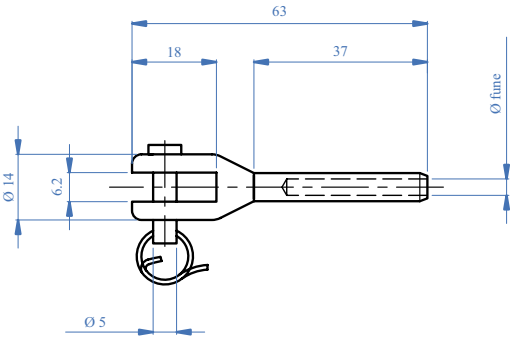
### Terminale a forcella fresato maschio, filettato M6
Threaded fork stud M6

| AISI 316 | Cod. art. Art. no. | Descrizione Description |
|---|---|---|
| | ETMT06DX | Filettatura a destra Right hand thread |
| | ETMT06SX | Filettatura a sinistra Left hand thread |



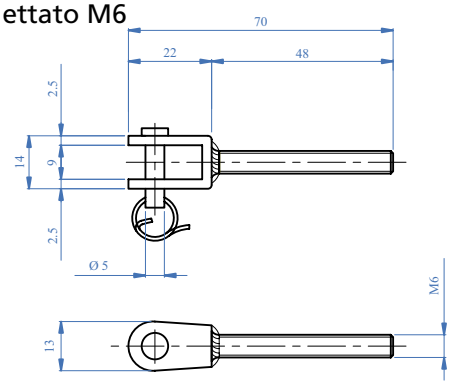
### Terminale a forcella fresato femmina da pressare
Fork terminal to crimp

| AISI 316 | Cod. art. Art. no. | Fune Rope |
|---|---|---|
| | ETFT04 | Ø 4 mm 5/32" dia. |
| | ETFT05 | Ø 5 mm 13/64" dia. |
| | ETFT06 | Ø 6 mm 15/64" dia. |



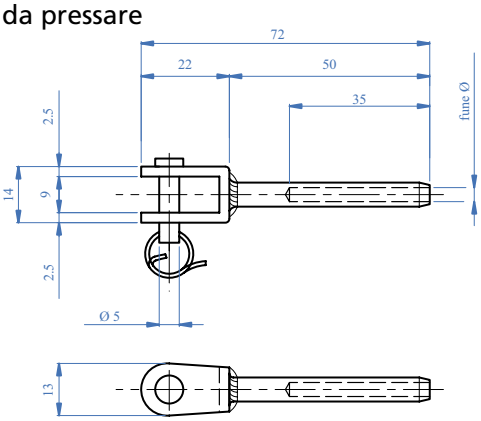
## Accessori per Funi - Wire Accessories

### Terminale a forcella saldato maschio, filettato M6
Threaded welded fork stud M6



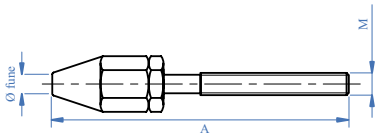

| AISI 304 | Cod. art. Art. no. | Descrizione Description |
|---|---|---|
| | ETMS06DX | Filettatura a destra Right hand thread |
| | ETMS06SX | Filettatura a sinistra Left hand thread |

### Terminale a forcella saldato femmina da pressare
Welded fork terminal to crimp



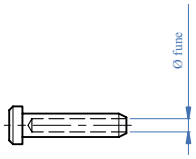

| AISI 304 | Cod. art. Art. no. | Fune Rope |
|---|---|---|
| | ETFS04 | Ø 4 mm 5/32" dia. |
| | ETFS05 | Ø 5 mm 13/64" dia. |
| | ETFT06 | Ø 6 mm 15/64" dia. |

### Terminale filettato swageless maschio M6
Swageless thread terminal M6




| AISI 316 | Cod. art. Art. no. | Fune Rope | Filetto Thread | A |
|---|---|---|---|---|
| | ETSM8 | Ø 4 mm 5/32" dia. | M6-M8 | 90 mm 3 9/16" |
| | ETSM10 | Ø 5 mm 13/64" dia. | M6-M10 | 107 mm 4 11/64" |
| | ETSM12 | Ø 6 mm 15/64" dia. | M6-M12 | 119 mm 4 23/32" |

### Terminale a testa battente per fune, da pressare
Dome head terminal for wire rope, to crimp

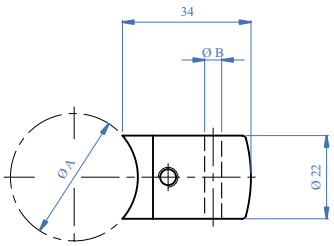



| AISI 303 | Cod. art. Art. no. | Fune Rope |
|---|---|---|
| NEW | ETTB04304 | Ø 4 mm 5/32" dia. |
| | ETTB05304 | Ø 5 mm 13/64" dia. |
| | ETTB06304 | Ø 6 mm 15/64" dia. |

| AISI 316 | Cod. art. Art. no. | Fune Rope |
|---|---|---|
| | ETTB04 | Ø 4 mm 5/32" dia. |
| | ETTB05 | Ø 5 mm 13/64" dia. |
| | ETTB06 | Ø 6 mm 15/64" dia. |

## Accessori per Funi - Wire Accessories

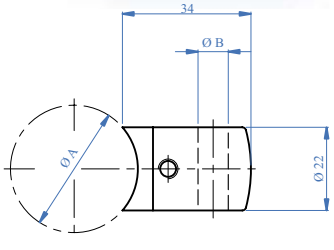
### Supporto per fune esterna
Wire rope support external, passage




| AISI 303 | Cod. art. Art. no. | Per tubo For tube A | Foro Hole B | Fune Rope |
|---|---|---|---|---|
| | ESF04 | Ø 33,7 mm - 1 1/3" dia. | Ø 4,5 mm - 11/64" dia. | Ø 4 mm - 5/32" dia. |
| | ESF05 | Ø 33,7 mm - 1 1/3" dia. | Ø 5,5 mm - 7/32" dia. | Ø 5 mm - 13/64" dia. |
| | ESF06 | Ø 33,7 mm - 1 1/3" dia. | Ø 6,5 mm - 17/64" dia. | Ø 6 mm - 15/64" dia. |
| | ESF041 | Ø 42,4 mm - 1 2/3" dia. | Ø 4,5 mm - 11/64" dia. | Ø 4 mm - 5/32" dia. |
| | ESF051 | Ø 42,4 mm - 1 2/3" dia. | Ø 5,5 mm - 7/32" dia. | Ø 5 mm - 13/64" dia. |
| | ESF061 | Ø 42,4 mm - 1 2/3" dia. | Ø 6,5 mm - 17/64" dia. | Ø 6 mm - 15/64" dia. |
| | ESF042 | Ø 48,3 mm - 1 7/8" dia. | Ø 4,5 mm - 11/64" dia. | Ø 4 mm - 5/32" dia. |
| | ESF052 | Ø 48,3 mm - 1 7/8" dia. | Ø 5,5 mm - 7/32" dia. | Ø 5 mm - 13/64" dia. |
| | ESF062 | Ø 48,3 mm - 1 7/8" dia. | Ø 6,5 mm - 17/64" dia. | Ø 6 mm - 15/64" dia. |
| | ESF043 | Superficie piana - Flat face | Ø 4,5 mm - 11/64" dia. | Ø 4 mm - 5/32" dia. |
| | ESF053 | Superficie piana - Flat face | Ø 5,5 mm - 7/32" dia. | Ø 5 mm - 13/64" dia. |
| | ESF063 | Superficie piana - Flat face | Ø 6,5 mm - 17/64" dia. | Ø 6 mm - 15/64" dia. |

| AISI 316 | Cod. art. Art. no. | Per tubo For tube A | Foro Hole B | Fune Rope |
|---|---|---|---|---|
| NEW | ESF04316 | Ø 33,7 mm - 1 1/3" dia. | Ø 4,5 mm - 11/64" dia. | Ø 4 mm - 5/32" dia. |
| | ESF05316 | Ø 33,7 mm - 1 1/3" dia. | Ø 5,5 mm - 7/32" dia. | Ø 5 mm - 13/64" dia. |
| | ESF06316 | Ø 33,7 mm - 1 1/3" dia. | Ø 6,5 mm - 17/64" dia. | Ø 6 mm - 15/64" dia. |
| | ESF041316 | Ø 42,4 mm - 1 2/3" dia. | Ø 4,5 mm - 11/64" dia. | Ø 4 mm - 5/32" dia. |
| | ESF051316 | Ø 42,4 mm - 1 2/3" dia. | Ø 5,5 mm - 7/32" dia. | Ø 5 mm - 13/64" dia. |
| | ESF061316 | Ø 42,4 mm - 1 2/3" dia. | Ø 6,5 mm - 17/64" dia. | Ø 6 mm - 15/64" dia. |
| | ESF042316 | Ø 48,3 mm - 1 7/8" dia. | Ø 4,5 mm - 11/64" dia. | Ø 4 mm - 5/32" dia. |
| | ESF052316 | Ø 48,3 mm - 1 7/8" dia. | Ø 5,5 mm - 7/32" dia. | Ø 5 mm - 13/64" dia. |
| | ESF062316 | Ø 48,3 mm - 1 7/8" dia. | Ø 6,5 mm - 17/64" dia. | Ø 6 mm - 15/64" dia. |
| | ESF043316 | Superficie piana - Flat face | Ø 4,5 mm - 11/64" dia. | Ø 4 mm - 5/32" dia. |
| | ESF053316 | Superficie piana - Flat face | Ø 5,5 mm - 7/32" dia. | Ø 5 mm - 13/64" dia. |
| | ESF063316 | Superficie piana - Flat face | Ø 6,5 mm - 17/64" dia. | Ø 6 mm - 15/64" dia. |

### Supporto per fune esterna con terminale già pressato
Supports for external wire ropes with crimped terminals

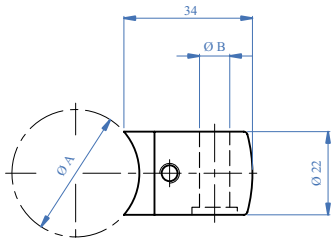



| AISI 303 | Cod. art. Art. no. | Per tubo For tube A | Foro Hole B | Fune Rope |
|---|---|---|---|---|
| | ESF08 | Ø 33,7 mm - 1 1/3" dia. | Ø 8 mm - 5/16" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | ESF081 | Ø 42,4 mm - 1 2/3" dia. | Ø 8 mm - 5/16" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | ESF082 | Ø 48,3 mm - 1 7/8" dia. | Ø 8 mm - 5/16" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | ESF083 | Superficie piana - Flat face | Ø 8 mm - 5/16" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |

| AISI 316 | Cod. art. Art. no. | Per tubo For tube A | Foro Hole B | Fune Rope |
|---|---|---|---|---|
| NEW | ESF08316 | Ø 33,7 mm - 1 1/3" dia. | Ø 8 mm - 5/16" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | ESF081316 | Ø 42,4 mm - 1 2/3" dia. | Ø 8 mm - 5/16" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | ESF082316 | Ø 48,3 mm - 1 7/8" dia. | Ø 8 mm - 5/16" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | ESF083316 | Superficie piana - Flat face | Ø 8 mm - 5/16" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |

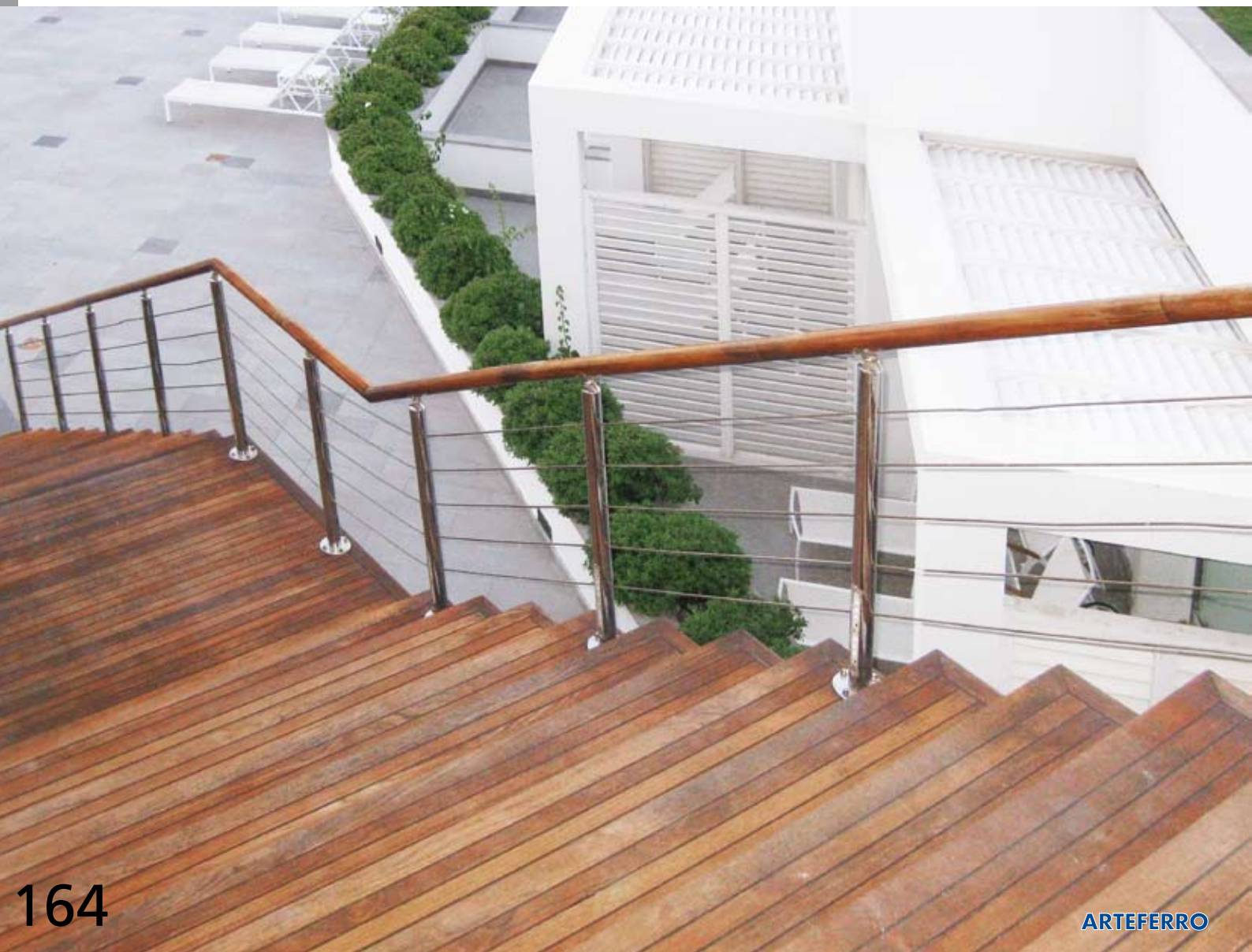
## Accessori per Funi - Wire Accessories

### Supporto terminale per fune esterna
Terminal supports for external wire rope

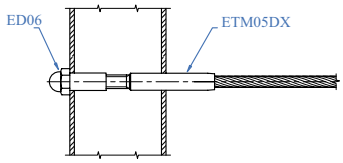


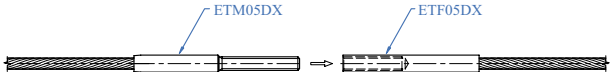

| AISI 303 | Cod. art.<br>Art. no. | Per tubo<br>For tube | Fune<br>Rope |
|---|---|---|---|
| | EST04DX | Ø 33,7 mm - 1 1/3" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | EST04SX | Ø 33,7 mm - 1 1/3" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | EST041DX | Ø 42,4 mm - 1 2/3" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | EST041SX | Ø 42,4 mm - 1 2/3" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | EST042DX | Ø 48,3 mm - 1 7/8" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | EST042SX | Ø 48,3 mm - 1 7/8" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | EST043DX | Superficie piana - Flat face | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | EST043SX | Superficie piana - Flat face | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |

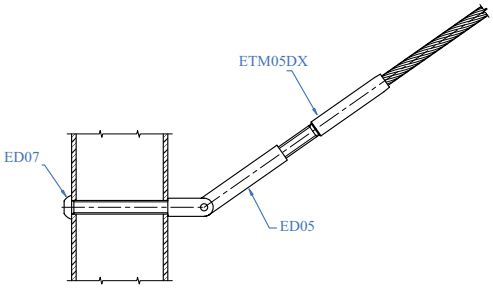
| AISI316 | Cod. art.<br>Art. no. | Per tubo<br>For tube | Fune<br>Rope |
|---|---|---|---|
| NEW | EST05DX | Ø 33,7 mm - 1 1/3" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | EST05SX | Ø 33,7 mm - 1 1/3" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | EST051DX | Ø 42,4 mm - 1 2/3" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | EST051SX | Ø 42,4 mm - 1 2/3" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | EST052DX | Ø 48,3 mm - 1 7/8" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | EST052SX | Ø 48,3 mm - 1 7/8" dia. | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | EST053DX | Superficie piana - Flat face | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |
| | EST053SX | Superficie piana - Flat face | Ø 4-5-6 mm - 5/32"-13/64"-15/64" dia. |

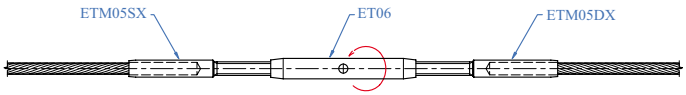


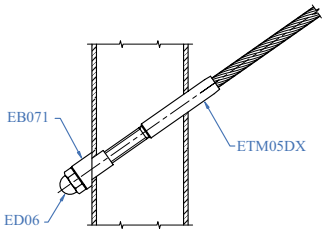
## Esempi di Applicazione - Examples of Applications

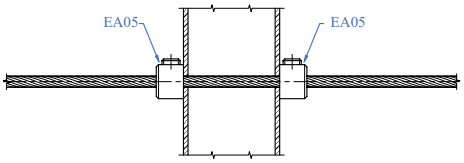


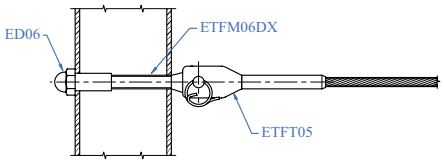



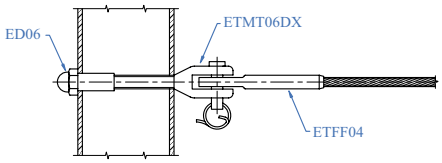



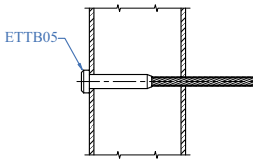



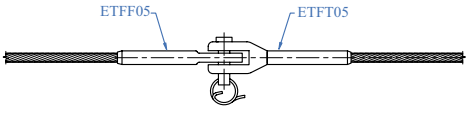



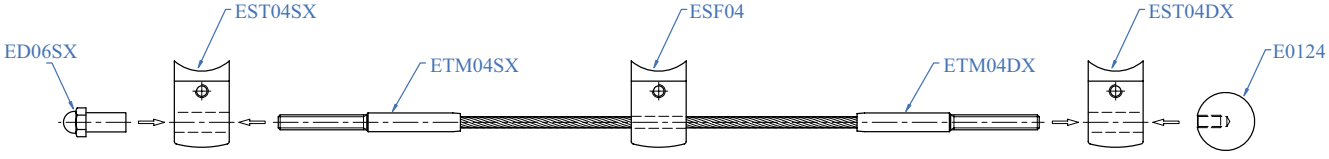



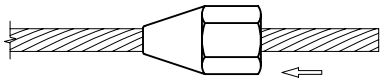



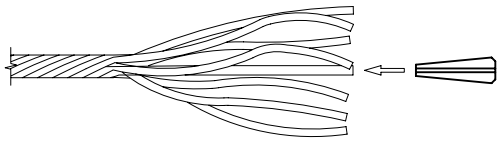
# Come Montare gli art. ETSM8, ETSM10 e ETSM12. Non Necessitano dell'Uso della Pressaterminali

## How to Construct Article Numbers: ETSM8, ETSM10 e ETSM12:Use of the Crimping Tool is Not Necessary



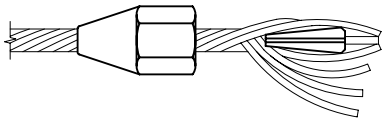
INSERIRE LA FUNE ALL'INTERNO DELLA PUNTA DELL'ART. ETSM8

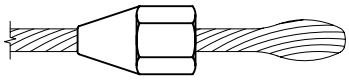
INSERT THE CABLE ON THE INSIDE OF THE POINT OF ARTICLE: ETSM8



SROTOLARE LA FUNE ED INSERIRE L'OGIVA SULLA PARTE CENTRALE DELLA FUNE

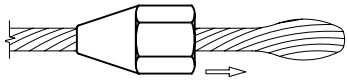
UNROLL HTE CABLE AND INSERT THE NOSE OF THE CENTRAL PART OF THE CABLE

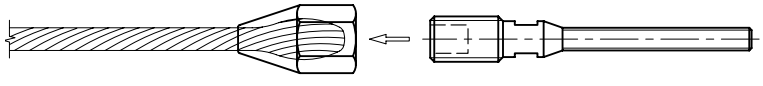




RIAVVOLGERE ATTORNO ALL'OGIVA IN MODO TALE DA FORMARE UN PEZZO UNICO E INSERIRE LA FUNE ALL'INTERNO DELLA PUNTA DELL'ART. ETSM8

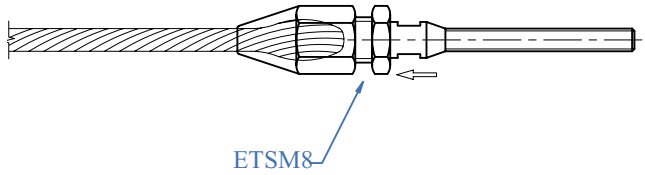
ROLL AROUND TO FORM ONE PIECE AND INSERT CABLE ON THE INSIDE OF THE POINT OF ARTICLE: ETSM8





AVVITARE LA PARTE FINALE DELL'ART. ETSM8

SCREW IN THE FINAL PART OF ARTICLE: ETSM8




BLOCCARE CON IL DADO IN DOTAZIONE

BLOCK WITH THE ENCLOSED NUT