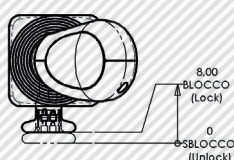
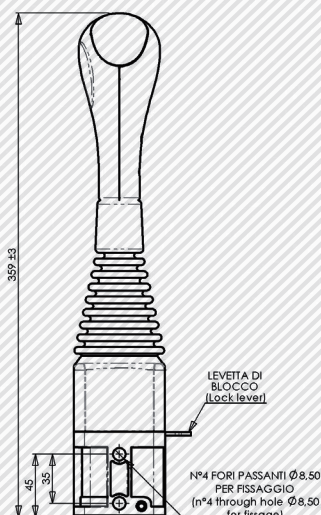


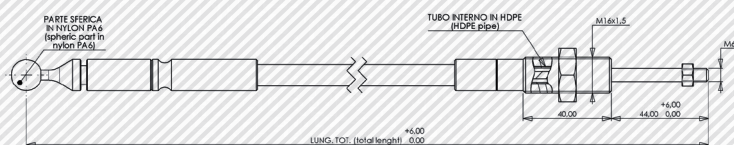
Joystick standard

Joystick con fulcro e collegamento a cavi a sfera, adatto ad una vasta gamma di applicazioni. Utilizza cavi push-pull a sfera e, in combinazione con gli appositi kit di montaggio, può essere accoppiato a tutti i tipi di distributori idraulici delle principali case costruttrici.

Joystick with zinc alloy die-cast fulcrum and cables with ball ending. Together with high efficiency cables, it can be used for any types of spool valves.



CORSA TOT. MAX. (max. total stroke): 14+14 mm
 RAPPORTO DI LEVA (lever ratio): 6,5:1
 MOVIMENTO A CROCE (cross movement)
 BLOCCO DI SICUREZZA LATERALE (lateral safety lock)
 TIPOLOGIA DI CAVI (cables type): A sfere (with spheres)
 TEMPERATURA OPERATIVA (operating temp.): -30° ÷ +80 °C
 LUBRIFICAZIONE (lubrication) : Molikote G72



Cavo per joystick standard (IB-431216)
 Cable for standard joystick (IB-431216)



Impugnatura con 1 pulsante
 Handle with 1 button



Impugnatura con 2 pulsanti
 Handle with 2 buttons



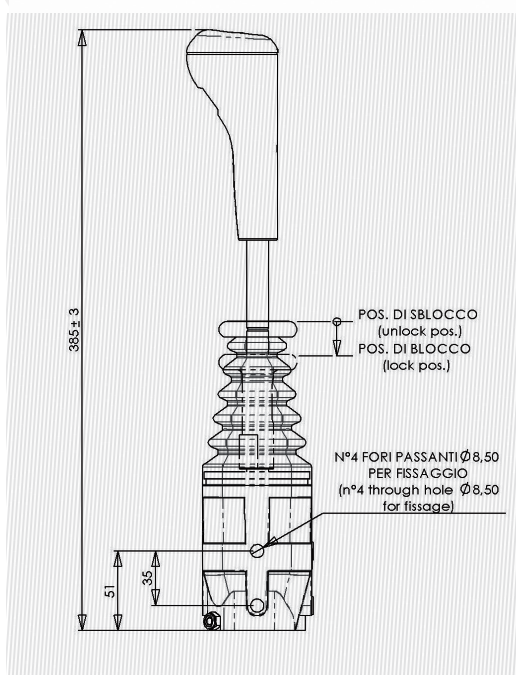
Impugnatura con 3 pulsanti
 Handle with 3 buttons

Joystick Heavy duty

Joystick con crociera in acciaio che assicura la massima affidabilità anche in impieghi gravosi.
Utilizza cavi push-pull e, in combinazione con gli appositi kit di montaggio, può essere accoppiato a tutti i tipi di distributori idraulici delle principali case costruttrici.

*Joystick with steel fulcrum, designed for heavy duty applications.
Together with high efficiency cables, it can be used for any types of spool valves.*

CORSA TOT. MAX. (max. total stroke): 14+14 mm
RAPPORTO DI LEVA (lever ratio): 7,5:1
MOVIMENTO A CROCE (cross movement)
BLOCCO DI SICUREZZA VERTICALE (vertical safety lock)
TIPOLOGIA DI CAVI (cables type): Heavy duty
TEMPERATURA OPERATIVA (operating temp.): -30°÷ +80°C
LUBRIFICAZIONE (lubrication) : Wurth HHS 2000



Impugnatura con 1 pulsante
Handle with 1 button



Impugnatura con 2 pulsanti
Handle with 2 buttons



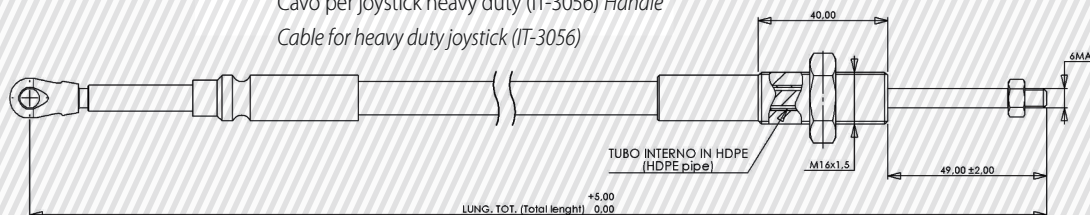
Impugnatura con 3 pulsanti
Handle with 3 buttons



Impugnatura con 6 pulsanti
Handle with 6 buttons



Cavo per joystick heavy duty (IT-3056) Handle
Cable for heavy duty joystick (IT-3056)



Leva singola *Single lever*

Leva singola di disegno compatto, con corpo in pressufusione, per ogni tipo di distributore.

Può essere fornita singolarmente o a gruppi impaccati.

Può essere assemblata con cavi heavy duty che garantiscono alta efficienza e lunga durata.

Sono anche disponibili le versioni:

- con blocco centrale
- con sistema anti-inversione.

Single linear lever with compact design body in alu die cast, suitable for all kind of spool valves.

It can be supplied as single lever or groups, and, together with high efficiency cables, it guarantees long life endurance.

It is also available in two other versions:

- with central lock*
- with anti-inversion system*



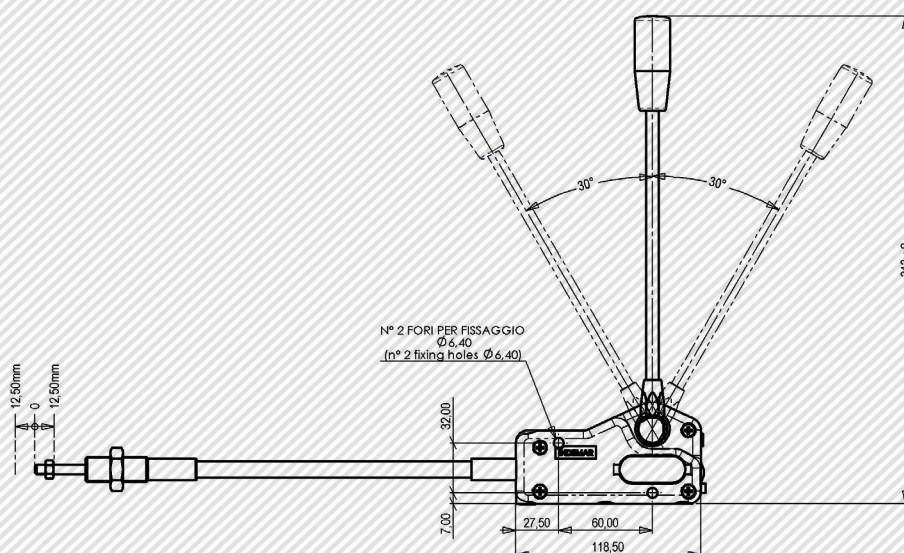
CORSA TOT. MAX. (max. total stroke): 12,5 + 12,5 mm

RAPPORTO DI LEVA STANDARD (standard lever ratio): 9:1

TIPOLOGIA DI CAVI (cables type): Heavy duty

TEMPERATURA OPERATIVA (operating temp.): -30° ÷ +80 °C

LUBRIFICAZIONE (lubrication) : Wurth HHS 2000



Leva singola con blocco centrale o anti-inversione

Single lever with central lock or antireverse lock



Gruppo di leve con cavi

Group of levers with cables

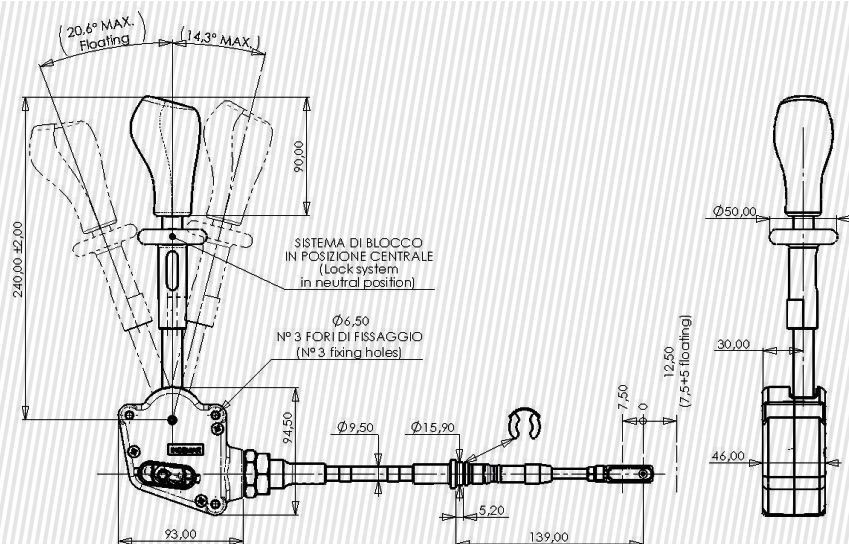


Leva di comando Control lever

Leva singola per comando di distributori idraulici, dotata di blocco centrale a siringa.

Single lever for hydraulic spool valves, with syringe central lock.

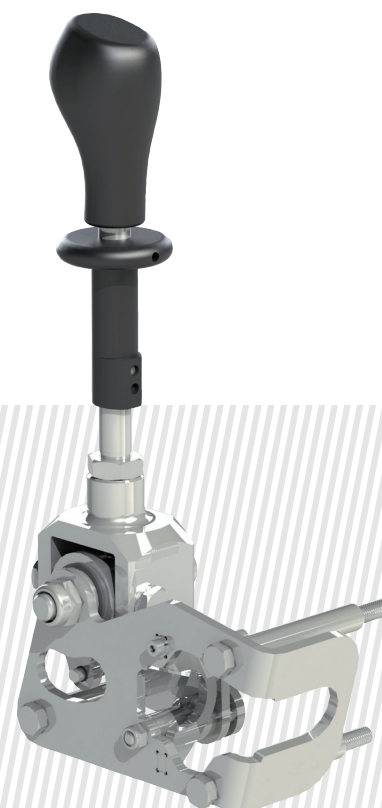
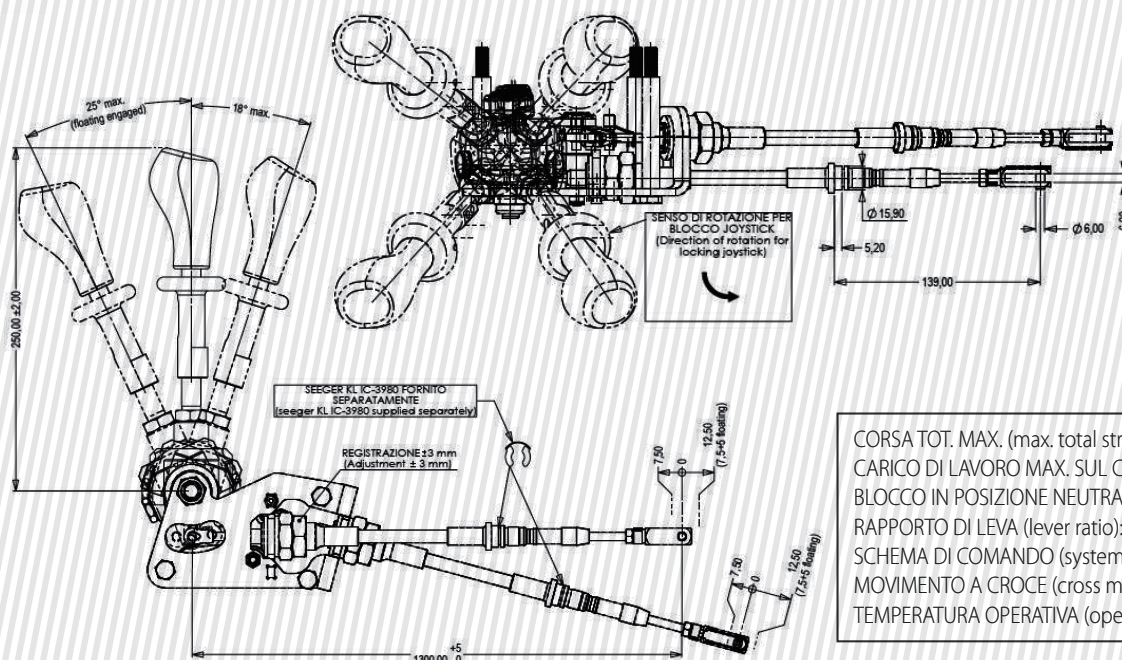
CORSA TOT. MAX. (max. total stroke): 7,5 + 12,5 mm
CARICO DI LAVORO MAX. SUL CAVO (max. working force on cable): 300 N
BLOCCO IN POSIZIONE NEUTRA (lock in neutral position)
RAPPORTO DI LEVA (lever ratio): 5,7 : 1
TEMPERATURA OPERATIVA (operating temp.): -30°÷ +80°C



Joystick con uscita cavi a 90° Joystick with 90° cables

Joystick con uscita cavi perpendicolare all'asta di comando, dotato di blocco centrale a siringa.

Joystick with cables in 90° position, equipped with syringe central lock.



CORSA TOT. MAX. (max. total stroke): 7,5 + 12,5 mm
CARICO DI LAVORO MAX. SUL CAVO (max. working force on cable): 300 N
BLOCCO IN POSIZIONE NEUTRA (lock in neutral position)
RAPPORTO DI LEVA (lever ratio): 7 : 1
SCHEMA DI COMANDO (system scheme):
MOVIMENTO A CROCE (cross movement)
TEMPERATURA OPERATIVA (operating temp.): -30°÷ +80°C

Cavi meccanici per comando a distanza

Mechanical remote control cables

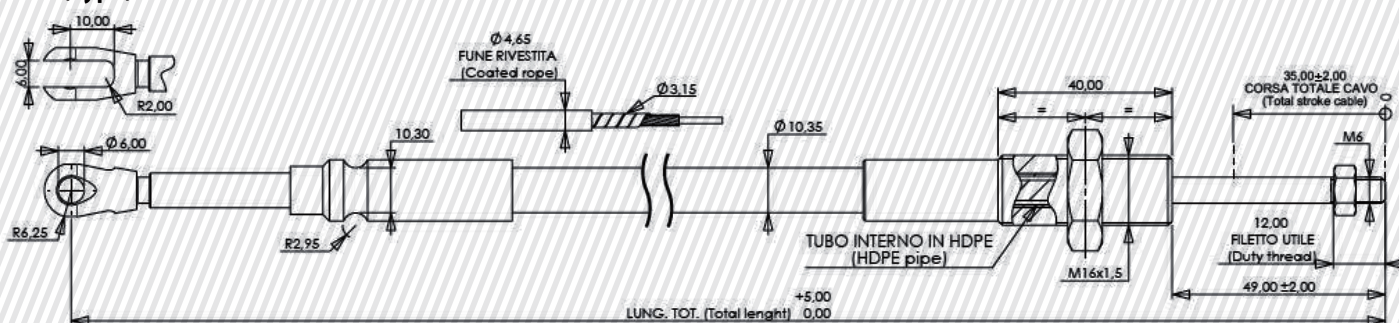
Cavo push-pull heavy-duty per joystick tipo 3335 e leva tipo 3047.

Heavy-duty push-pull cable for joystick type 3335 and lever type 3047.

CORSA TOT. MAX. (max. total stroke): 35 ± 2 mm
CARICO MIN. DI SFILAMENTO TERMINALI FUNE (min. disconnection load of rope terminals): 3000 N

CARICO MIN. DI SFILAMENTO TERMINALI GUAINA (min. disconnection load of conduit terminals): 3000 N
RAGGIO MIN. DI CURVATURA (min. bending radius): 200 mm
TEMPERATURA OPERATIVA (operating temp.): $-30^{\circ} \div +80^{\circ} \text{C}$

TIPO (Type): IT-3056



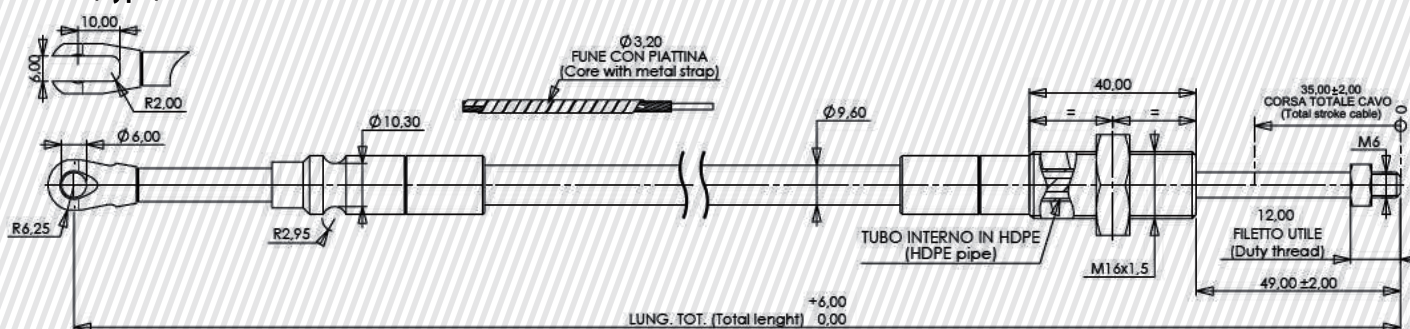
Cavo push-pull standard per joystick tipo 3335 e leva tipo 3047.

Standard push-pull cable for joystick type 3335 and lever type 3047.

CORSA TOT. MAX. (max. total stroke): 35 ± 2 mm
CARICO MIN. DI SFILAMENTO TERMINALI FUNE (min. disconnection load of rope terminals): 3000 N

CARICO MIN. DI SFILAMENTO TERMINALI GUAINA (min. disconnection load of conduit terminals): 3000 N
RAGGIO MIN. DI CURVATURA (min. bending radius): 200 mm
TEMPERATURA OPERATIVA (operating temp.): $-30^{\circ} \div +80^{\circ} \text{C}$

TIPO (Type): IT-731133



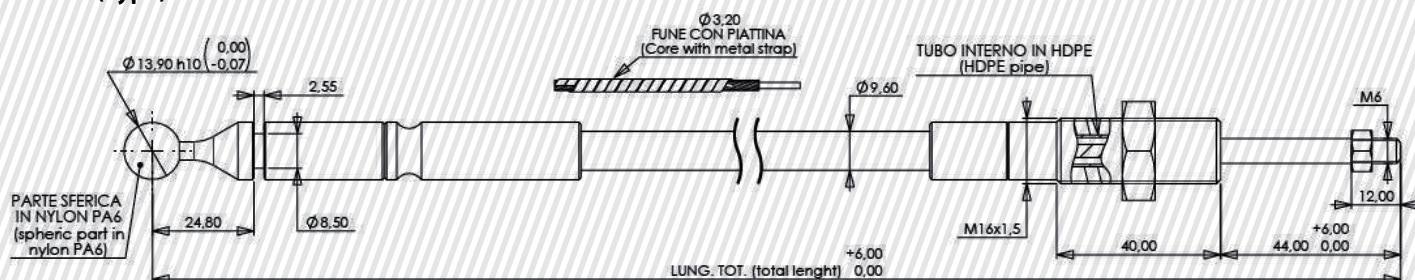
Cavo push-pull per joystick tipo 3371 e 6011.

Push-pull cable for joystick type 3371 and 6011.

CORSA TOT. MAX. (max. total stroke): 30 ± 2 mm
CARICO MIN. DI SFILAMENTO TERMINALI FUNE (min. disconnection load of rope terminals): 3000 N

CARICO MIN. DI SFILAMENTO TERMINALI GUAINA (min. disconnection load of conduit terminals): 3000 N
RAGGIO MIN. DI CURVATURA (min. bending radius): 200 mm
TEMPERATURA OPERATIVA (operating temp.): $-30^{\circ} \div +80^{\circ} \text{C}$

TIPO (Type): IB-431216



Cavi meccanici per comando a distanza

Mechanical remote control cables

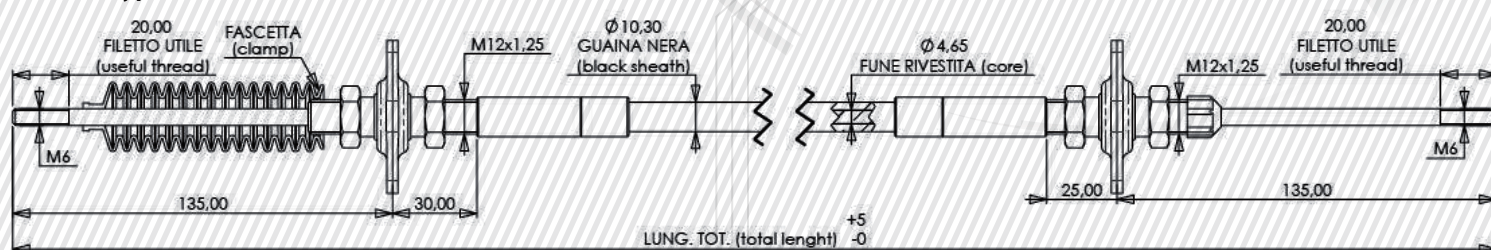
Cavo push-pull.

Push-pull cable.

CORSA TOT. MAX. (max. total stroke): 50 mm
CARICO MIN. DI SFILAMENTO TERMINALI FUNE
(min. disconnection load of rope terminals): 3000 N

CARICO MIN. DI SFILAMENTO TERMINALI GUAINA (min.
disconnection load of conduit terminals): 3000 N
RAGGIO MIN. DI CURVATURA (min. bending radius): 200 mm
TEMPERATURA OPERATIVA (operating temp.): $-30^{\circ} \div +80^{\circ}\text{C}$

TIPO (Type): IB-731251



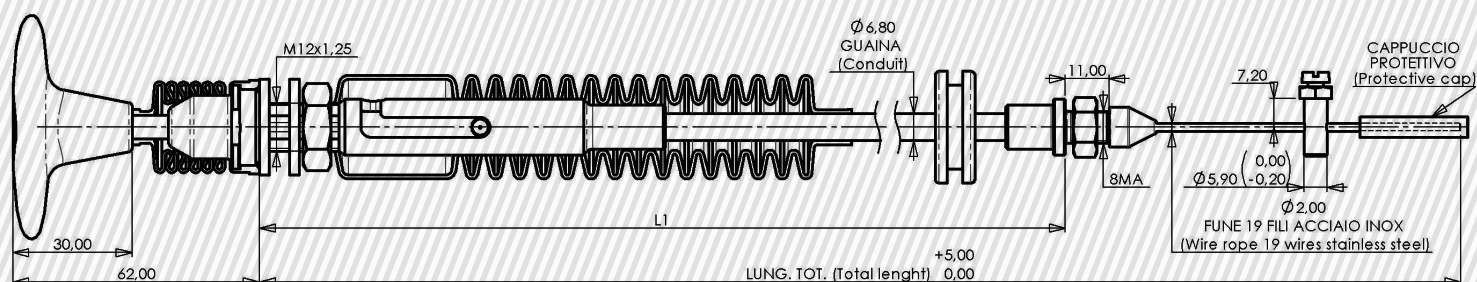
Cavo stop motore.

Stop engine cable.

CORSA TOT. MAX. (max. total stroke): 27 mm
CARICO MIN. DI SFILAMENTO TERMINALI FUNE
(min. disconnection load of rope terminals): 1500 N

CARICO MIN. DI SFILAMENTO TERMINALI GUAINA (min.
disconnection load of conduit terminals): 300 N
RAGGIO MIN. DI CURVATURA (min. bending radius): 200 mm
TEMPERATURA OPERATIVA (operating temp.): $-30^{\circ} \div +80^{\circ}\text{C}$

TIPO (Type): IB-732627



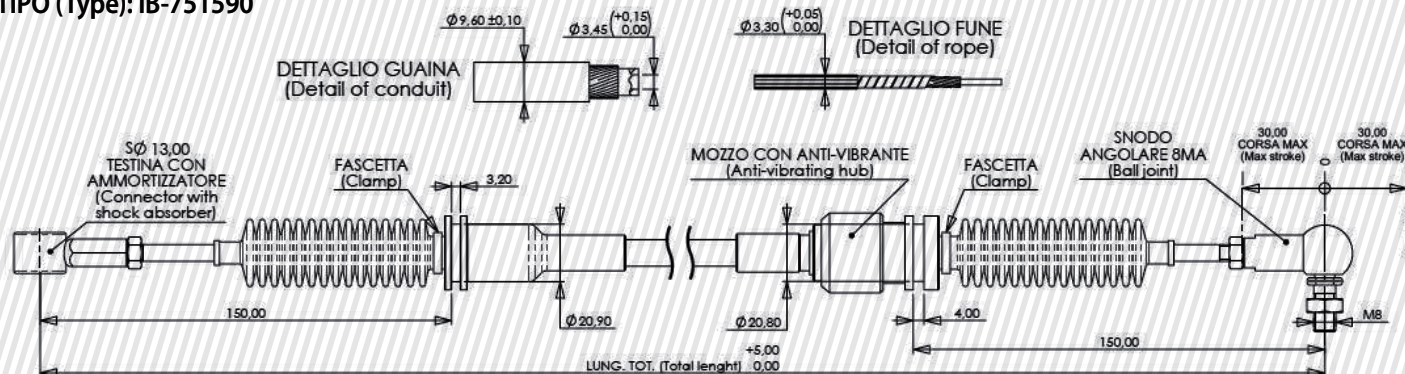
Cavo push-pull ad alta efficienza
per comando cambio.

Low friction push-pull cable for gear shift.

CORSA TOT. MAX. (max. total stroke): 60 mm
CARICO MIN. DI SFILAMENTO TERMINALI FUNE
(min. disconnection load of rope terminals): 3000 N

CARICO MIN. DI SFILAMENTO TERMINALI GUAINA (min.
disconnection load of conduit terminals): 3000 N
RAGGIO MIN. DI CURVATURA (min. bending radius): 200 mm
TEMPERATURA OPERATIVA (operating temp.): $-30^{\circ} \div +80^{\circ}\text{C}$

TIPO (Type): IB-751590



Cavi meccanici per comando a distanza

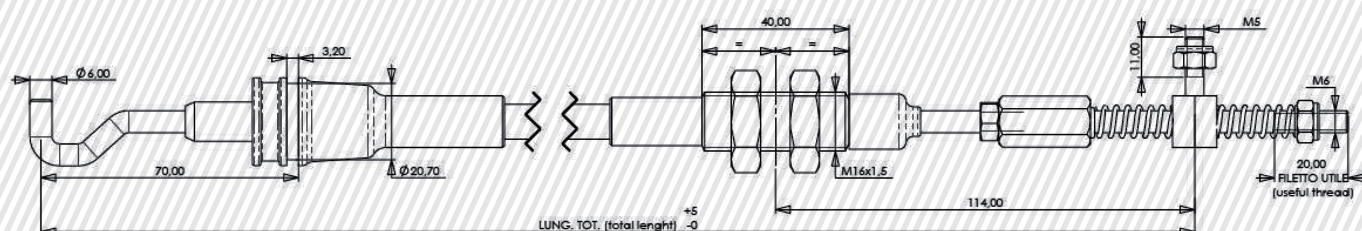
Mechanical remote control cables

Cavo push-pull con compensatore.
Push-pull cable with over-load system.

CORSA TOT. MAX. (max. total stroke): 32 mm
CARICO MIN. DI SFILAMENTO TERMINALI FUNE
(min. disconnection load of rope terminals): 2000 N

CARICO MIN. DI SFILAMENTO TERMINALI GUAINA (min. disconnection load of conduit terminals): 2000 N
RAGGIO MIN. DI CURVATURA (min. bending radius): 200 mm
TEMPERATURA OPERATIVA (operating temp.): $-30^{\circ}\div +80^{\circ}\text{C}$

TIPO (Type): IB-731472

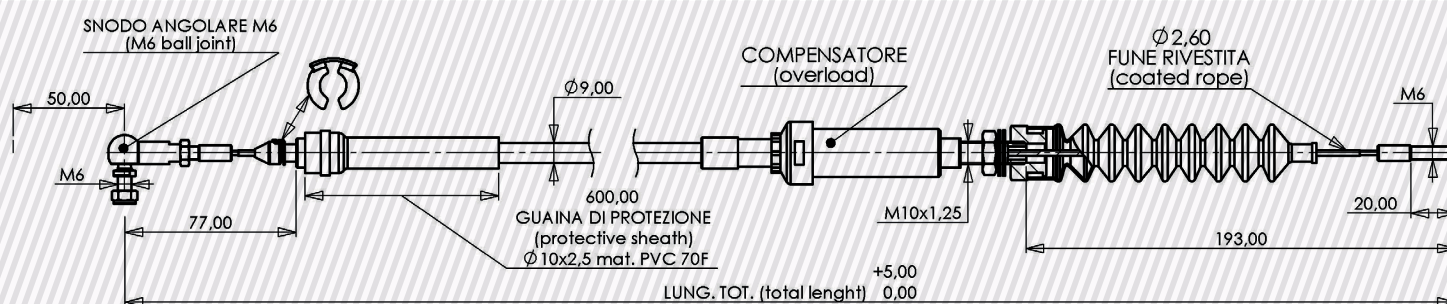


Cavo acceleratore con compensatore.
Throttle cable with over-load system.

CORSA TOT. MAX. (max. total stroke): 40 mm
CARICO MIN. DI SFILAMENTO TERMINALI FUNE
(min. disconnection load of rope terminals): 1500 N

CARICO MIN. DI SFILAMENTO TERMINALI GUAINA (min. disconnection load of conduit terminals): 150 N
RAGGIO MIN. DI CURVATURA (min. bending radius): 100 mm
TEMPERATURA OPERATIVA (operating temp.): $-30^{\circ}\div +80^{\circ}\text{C}$

TIPO (Type): FE-732722

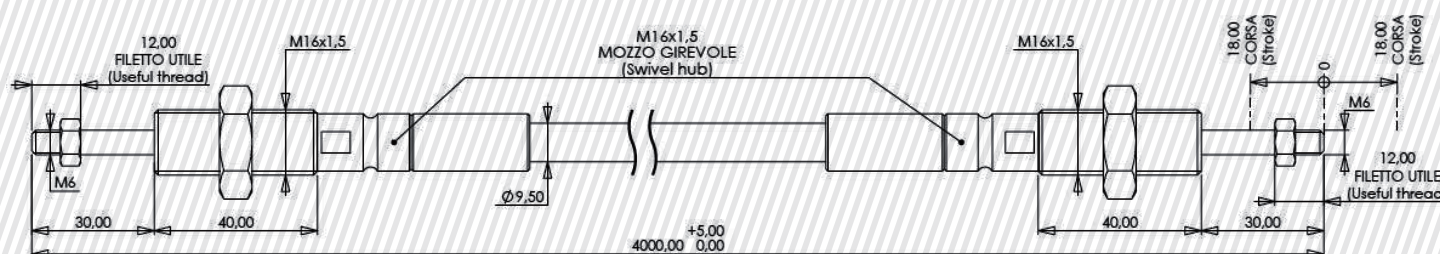


Cavo push-pull con terminali
guaina girevoli.
Push-pull cable with swivelling hubs.

CORSA TOT. MAX. (max. total stroke): 36 mm
CARICO MIN. DI SFILAMENTO TERMINALI FUNE
(min. disconnection load of rope terminals): 3000 N

CARICO MIN. DI SFILAMENTO TERMINALI GUAINA (min. disconnection load of conduit terminals): 3000 N
RAGGIO MIN. DI CURVATURA (min. bending radius): 200 mm
TEMPERATURA OPERATIVA (operating temp.): $-30^{\circ}\div +80^{\circ}\text{C}$

TIPO (Type): IB-741843

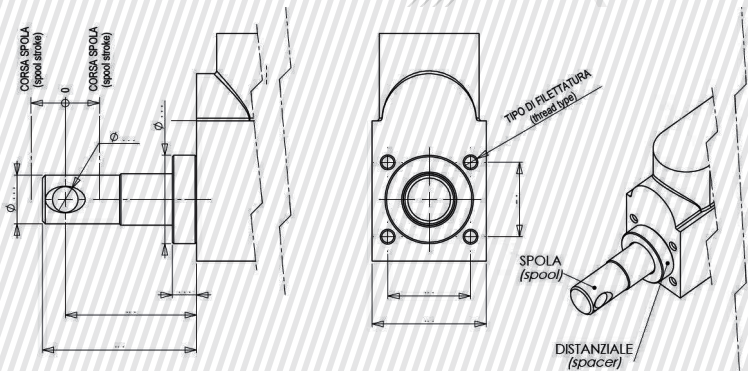


Kit di fissaggio per distributori idraulici

Fitting kits for hydraulic spool valves

Vasta gamma di differenti kit adatti a tutti i tipi di distributori.

Wide range of different kits suitable for all kind of spool valves.



CODICE (PART NUMBER)	DISTRIBUTORE IDRAULICO (HYDRAULIC DISTRIBUTOR)	PRODUTTORE (MANUFACTURER)
FK-211710	HCD2	HYDROCONTROL
FK-212071	HCD4	HYDROCONTROL
FK-212107	TR-55	HYDROCONTROL
FK-211623	SD 4/5/6	WALVOIL
FK-212053	SD 10/11/14	WALVOIL
FK-212059	SD 8	WALVOIL
FK-212056	VD06	SALAMI
FK-212065	BM-70	BLB
FK-212042	DN-BLB	DINOIL

