

Front Loader Controls





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For over 30 years, **INDEMAR** is the leading manufacturer and supplier of Front Loader Controls.

Over the years, our drop shape grip design became the industry standard.

INDEMAR stands for providing high quality and reliable products to agricultural equipment and Off-Highway machinery throughout the world.

Interesting Facts:

Front loader controls = 40% of total **INDEMAR** sales

Indemar sells & manufactures:

Over 50,000 joysticks per year to front loader manufacturers

Over 100,000 push-pull cables to front loader manufacturers



Control Types:

70% of joysticks are type 6020 - standard duty (with ball joint) and push-pull cable type 431216

30% of joysticks are type 3335 - heavy duty (with swivel joint) and push-pull cable type 731133

Typical cable length = 78" (2m) - 137" (3.5m)

INDEMAR reference customers:



STOLL
The Loader Specialist.



LOVOL **MX**

Fetor

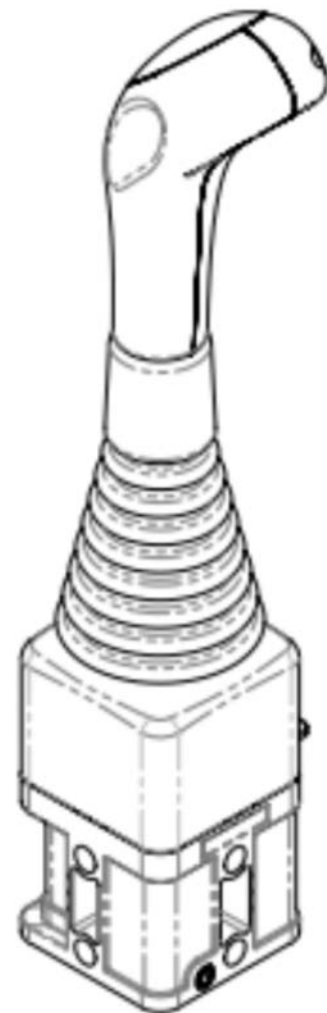
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Front Loader Controls Joysticks



Joysticks:

- 2 Basic Types:
 - Standard Duty (Type LD)
 - Heavy Duty (Type HD)
- Proprietary, heavy duty bell-crank
- Tested duty cycle = up to 600,000 cycles
- Aluminum alloy base
- Powder coated finish
- Various shafts & grip combinations
 - Straight, curved, “S” curved shafts
- With our without integrated locks
- Multiple grips to choose from
- Optional push-button switches (up to 7)



Front Loader Controls Joysticks



The difference between Standard & Heavy Duty Joystick



Both joysticks:

Proprietary, heavy duty bell-crank

Tested duty cycle = up to 600,000 cycles

Aluminum alloy base

Powder coated finish

Operating temperature
-34° ... +176°F (-30°C ... +80°C)

Various shafts & grip combinations

With our without integrated locks

Multiple grips to choose from

Optional push-button switches (up to 7)

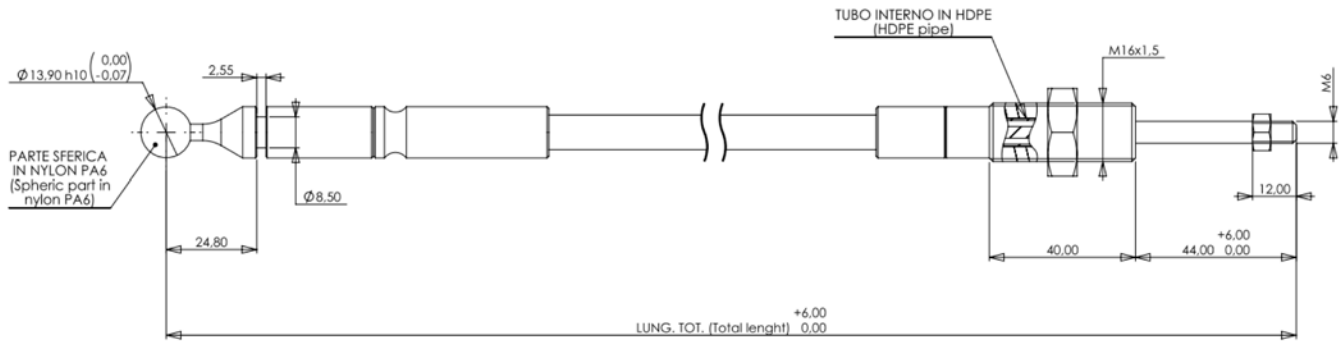
Custom branding

Feature	Standard Duty	Heavy Duty
Cable End Type	Ball joint	Swivel Fork (Clevis)
Typical Stroke	1.34" (34mm)	1.53" (39mm)
Base Dimensions	2.5x2.5" (65x65mm)	2.75x2.75" (70x70mm)
Height	Identical	Identical
Mounting	Identical	Identical
Lock location	Base	Shaft

Front Loader Controls Push-Pull Cables



Standard Cable - 431216:

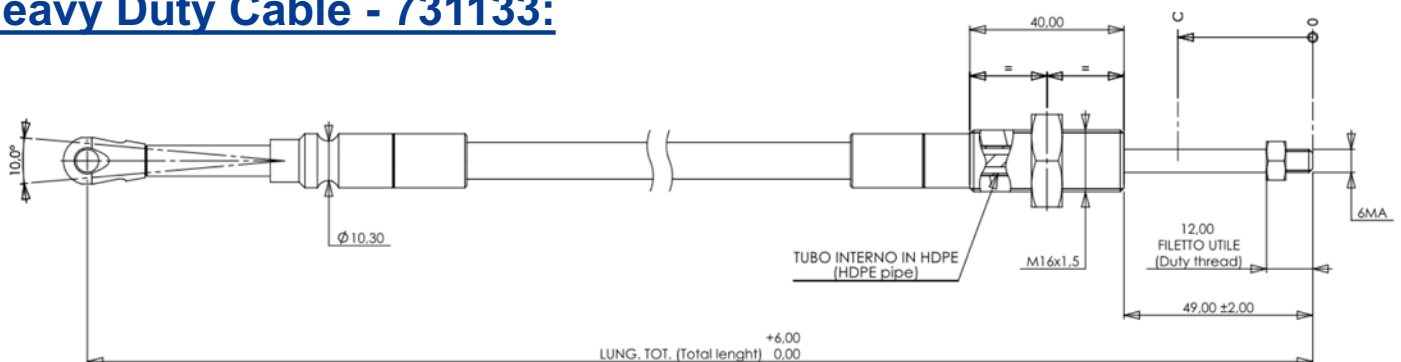


Smooth operation, minimum backlash, top strength, ball joint

Key Specifications:

- Typical Stroke: 1.34" (34mm)
- Max. Load: 674 lbf (3000N)
- Min. Radius: 7.87" (200mm)
- Operating Temperature: -34°...+176°F (-30°C ... +80°C)

Heavy Duty Cable - 731133:



Smooth operation, minimum backlash, top strength, swivel fork (clevis)

Key Specifications:

- Typical Stroke: 1.53" (39mm)
- Max. Load: 674 lbf (3000N)
- Min. Radius: 7.87" (200mm)
- Operating Temperature: -34°...+176°F (-30°C ... +80°C)

Front Loader Controls Valve Adapters



Valve Adapters available for leading manufacturers:

WALVOIL
HYDROCONTROL
DINOIL
AMI
SALAMI
BLB
KONTAK
ROQUET
NIMCO
META
BONDIOLI

BOMFORD
REXROTH
PRILLINGER
BUCHER
SPAREX
GALTECH
VENTURI
SAUER DANFOSS
BADESTNOST
PRINCE
CROSS

