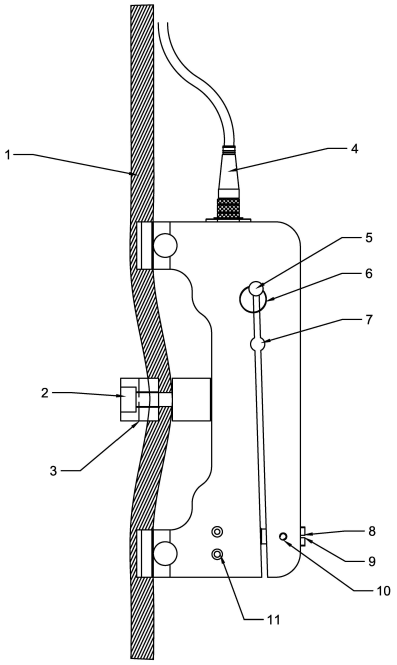
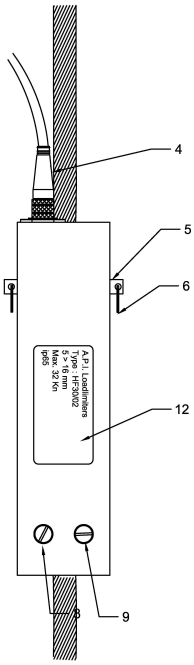
TECHNICAL Data sheet HF Series	UNIVERSEL Mechanical load Limiter	APS Trako srl Load limiters apstrako@outlook.com





Components

1 - Lifting wire rope
2 - M5,M6,M6,M8 Screw
3 - Fixing bracket
4 - Electric connection cable
5 - Axle pin
6 - Locking ring
7 - 2e axle hole
8 - Tare screw
9 - Tare screw
10 - Locking screw
11- Switch fixing screw (do not touch).
12- Identification sticker

Application

This mechanical load limiter has been specially designed to control one or two safety trip points on low and medium capacity overhead cranes.

Operating principle

The loadlimiter operates by the movement of metal within its elastic limits.
Deviation of the lifting wire rope around the loadlimiter produces a force proportioned to the load applied.
The loadlimiter incorporates one ore two microswitches, to giving one ore two "all-or-nothing" signals.

Technical specification

Installation : directly on the dead end wire rope
Loadlimiter : 1 ore 2 integrated microswitches
2 ore 4 contacts : 2 N.O. (normally open)
2 N.C. (normally closed)
Trip point power : max. 220 VAC.
Amperage of trip point : max. 5 amps
Connections : 7 cores electrical cable
Length of connecting cable : 2 m
Tare adjustment : fine thread screw
Resolution : 1 kN
Temperature range : from -30°C to +80° C
Protection class : I.P 65
Material of load cell : aluminium alloy
Finish : red anodised
Maintenance : none required other than keeping it clean.

Identification HF series

Type	Wire rope ∅	Capacity KG	Length	Wide	Thickness
HF 16/01	from 4 to 10 mm	from 250 to 1600	120 mm	59 mm	28 mm
HF 30/02	from 5 to 16 mm	from 500 to 3.200	149 mm	69 mm	39 mm
HF 32/02	from 16 to 26 mm	from 1.000 to 6.000	199 mm	98 mm	49 mm
HF 34/02	from 25 to 36 mm	from 5.000 to 15.000	279 mm	137 mm	69 mm