



### Components

- A - Plug.
- B - Washer.
- C - Axle pin.
- D - Locking ring.
- E - Load cell body.
- F - Tare screw Trip point
- G - Locking nut Trip point
- H - Central fixing bracket.
- I - Safety washer.
- J - M6/M8 screw.
- K - Fixing bracket plate.
- L - Rubber compression pad.
- M - Lifting wire rope.
- N - Switch fixing screw ( Do not touch)

### Application

This mechanical load cell has been specially designed to control one safety trip point on low and medium capacity overhead cranes. In combination with the monitor HF 85, it is working like a damper to disregard the overloads due to dynamic effect.

### Operating principle

The load cell operates by the movement of metal within its elastic limits. Deviation of the lifting wire rope around the load cell produces a force proportioned to the load applied. The load cell incorporates a microswitch, to giving an "all-or-nothing" signal to HF 85.

### Technical specification

Installation : directly on the dead end wire rope  
 Load cell : 1 integrated microswitch  
 1 N.C. contact  
 Amperage of trip point : 25 milli Amps  
 Connection : 3 cores electrical cable  
 Length of connecting cable : 2 m with plug  
 Trip point adjustment : fine thread screw  
 Resolution : 5 daN  
 Hysteresis : 25 daN  
 Temperature range : from -30°C to +80° C  
 Protection class : I.P 55 ( I.P 67 option)  
 Material of load cell : aluminium alloy  
 Finish : anodised  
 Maintenance : none required other than keeping it clean.  
 Interface : HF 85

### Options

Nickel coating protection for aggressive surroundings.

### Identification

Type	Code	Wire rope Ø	Capacity daN	Length	Wide	Thickness
HF 32/1/B	38678	from 5 to 16 mm	from 50 to 3000	70 mm	150 mm	40 mm
HF 32/2/B	38688	from 17 to 26 mm	from 100 to 6000	98 mm	200 mm	50 mm
HF 32/3/B	38698	from 27 to 36 mm	from 250 to 12000	138 mm	280 mm	60 mm