

Application :

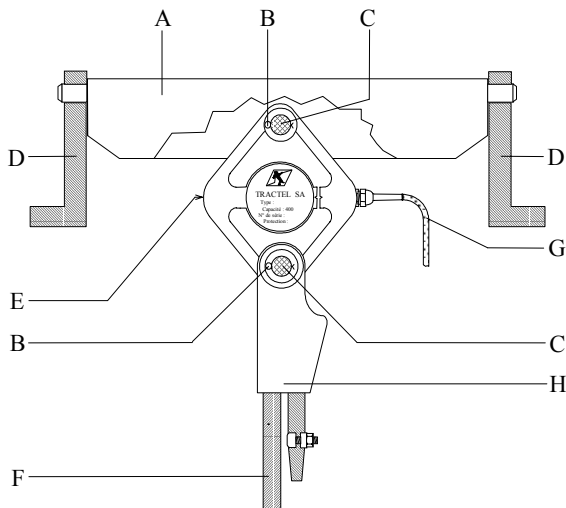
This mechanical load cell has been designed to provide a trip point in lifting systems which have a dead end wire rope. The trip point provide a signal that the user may employ depending on his requirements.

- For a load limiting in lifting systems.
- To limit the speed as a function of the load on traversing.
- To limit the effort applied for pulling.

The load cell is preferable for fitting applications and where it is essential to minimise the lost headroom.

Operating principle :

The load cell operates by the movement of metal within its elastic limit. This movement acts on an adjustable switch, giving an "all-or-nothing" signal. Movement is limited by the contact of centre's parts

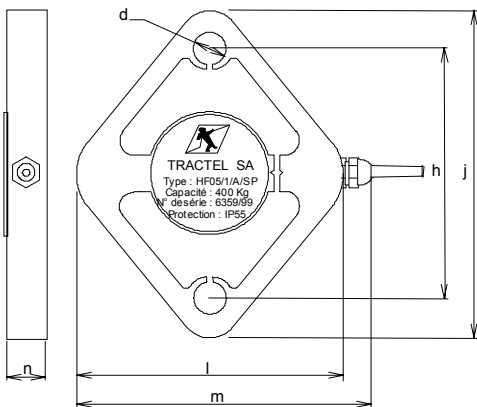


- A – Suspension bar
B – Safety pin
C – Anchor pin
D – Support
E – Adjustment screw
F – Wire rope
G – Lead (2 m)
H – Wedge end fitting

Technical specifications :

Maximum Capacity : see table below
Safety coefficient : 5
Overload coefficient : 2
Adjustment system : Fine thread screw
Measuring cell : switch.
Version 1 trip : 1 inverter switch 220 Vac / 4 A
Version 2 trips : 2 inverters switches 220 Vac / 4 A
Hysteresis (ON / OFF / ON) : 20 daN
Repeatability of cut-out : 1 %
Temperature range : - 30 to 80 °C
Connection : supplied with 2 m lead
Material : stainless steel
Protection class : IP 54

Models and dimensions :



Code	Model	Cap.maxi daN	Dimensions in mm					
			d	h	j	l	m	n
24718	HF 05/1/A	500	12,5	96	125	102	110	16
24728	HF 05/2/A	1250	12,5	96	125	102	110	16
24738	HF 05/3/A	2000	16,5	91	128	106	121	16
58298	HF 05/4/A	3200	20,5	101	146	115	130	20

With two trip points

43508	HF 05/1/A2	500	12,5	96	125	102	110	16
46188	HF 05/2/A2	1250	12,5	96	125	102	110	16
43528	HF 05/3/A2	2000	16,5	91	128	106	116	16