

Application

- This mechanical load cell has been designed to provide one or two trip points in lifting systems.
- 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 minimize the lost headroom.

Operating principle

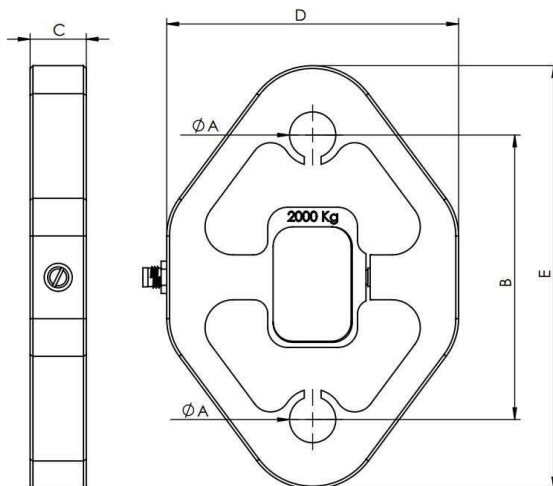
- The load cell operates by the movement of metal within its elastic limit.
- This movement acts on an adjustable switch, giving an "all-or-nothing" signal.
- Movement is limited by the contact of center's parts

Specification



Material	Aluminum 7075
Surface Treatment	Sulphuric acid anodizing
Safety coefficient	1,5
Overload coefficient	5
Repeatability	+/- 0,5 % of full scale
Adjustment	By fine thread screw
Version A	One trip point. 250 V / 5A
Version A2	Two trip points. 250 V / 5A
Hysteresis (ON/OFF/ON)	4 % of full scale
Temperature of use	-20° up to 60°C
Protection rate	IP 63 (NEMA3)
Certification	2006/42/EC

Dimensions



Model	Capacity in daN	Dimensions in mm				
		A	B	C	D	E
HF05/1/A/AL	500	12,5	96	16	103,6	127
HF05/2/A/AL	1000	12,5	96	16	109,2	132,5
HF05/3/A/AL	2000	16,5	101,5	20	104	151
HF05/4/A/AL	3200	20,5	101,5	24	109	156
HF05/5/A/AL	5000	26	108	30	117	164
HF05/6/A/AL	8000	30	112	39	117	178