

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

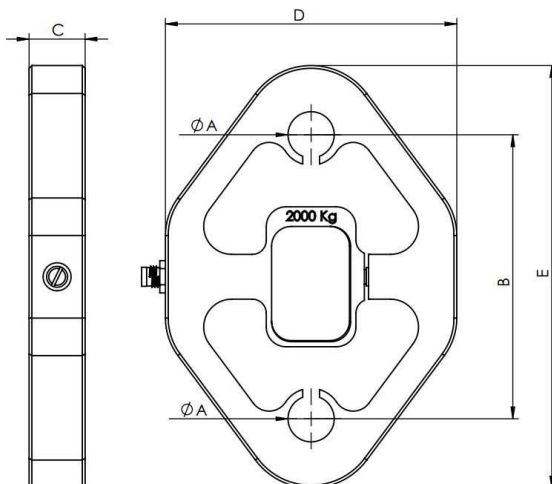
- The load cell operates by the movement of metal within its elastic limit.
- This movement acts on an adjustable switch, giving an "all-or-nothing" signal.
- Movement is limited by the contact of center's parts

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 |