

5600

CUSTOM MADE LOAD PIN

- Double shear beam axle
- Sturdy design
- Stainless steel
- Easy to install
- Protection IP 65 (IP 67 available)
- A complete range of electronics, load limiters and displays are also offered "CE" certified "EEx" ia II C T4/T6 version available
- Available with integrated amplifier 4-20mA or 1-5 VDC



Model 5600

The SENSY's load pin 5600 is perfectly designed to the following applications :

- Cranes pulley equipment
- Hoisting and crane's security in combination with a load limiter (BRIDGEBOY, CRANEBOY, ...)
- Equipment of shackles, wedge sockets and hydraulic jacks...
- Force measurement on cylinders and others applications

AVAILABLE CAPACITIES :

5600 : 0.5 to 6.3 tons

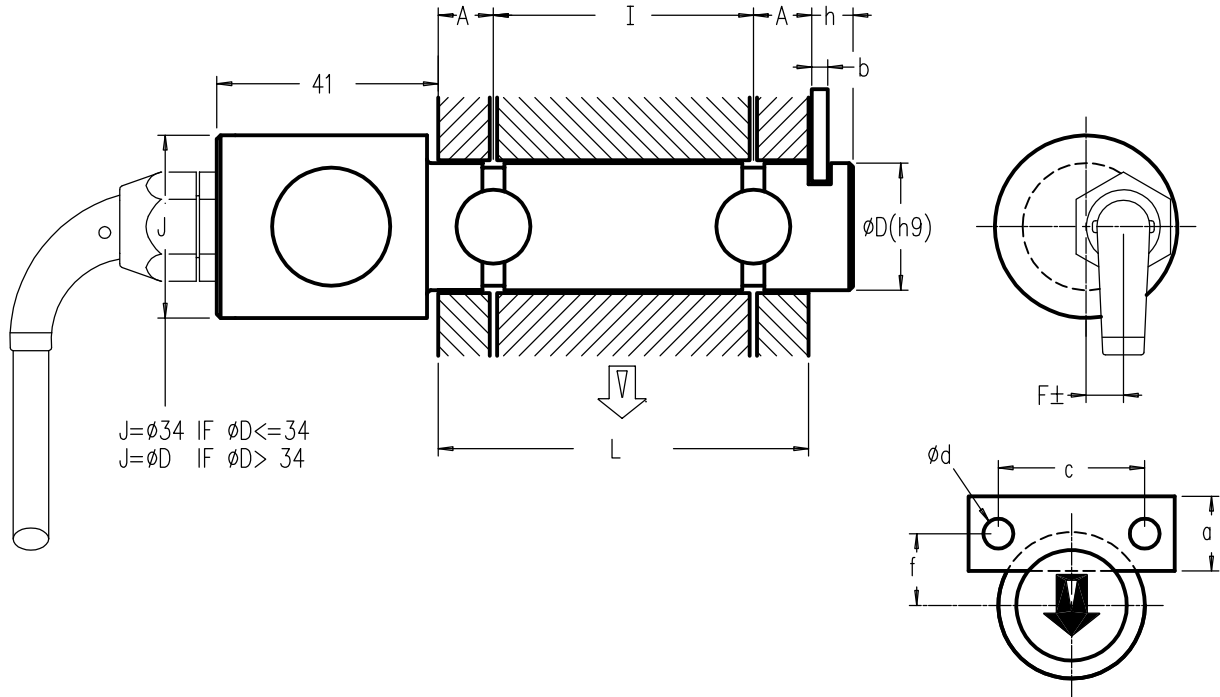
| TECHNICAL DATA | | |
|--|-------------|-------------|
| Accuracy class | | SL |
| Combined error | % F.S. | 1 |
| Non - repeatability | % F.S. | < ± 0.25 |
| Creep error over 30 min. | % F.S. | < ± 0.2 |
| Zero shift after loading | % F.S. | < ± 0,05 |
| Reference temperature | °C | 23 |
| Nominal temperature range | °C | - 10...+ 45 |
| Service temperature range | °C | - 30...+ 70 |
| Storage temperature range | °C | - 50...+ 85 |
| Temperature coefficient of the sensitivity | % /10°C | < ± 0.1 |
| Temperature coefficient of zero signal | % F.S./10°C | < ± 0.1 |
| Nominal sensitivity | mV/V | ± 1 |
| Zero balance | mV/V | ± 0.02 |
| Sensitivity tolerance (g=9,8107 m/s ²) | % | < ± 0.5 |
| Input / Output resistance | Ohm | 350 ± 20 |
| Insulation resistance (50V) | MOhm | > 5000 |
| Nominal excitation voltage | V | 5 to 10 |
| Nominal excitation voltage | V | 2...15 |
| Safe load limit | % F.S. | 200 |
| Breaking load | % F.S. | > 200...500 |
| Static lateral force limit | % F.S. | > 300 |
| Permissible dynamic loading | % F.S. | 70 |

F.S.: full scale Specifications subject to change without notice

LOAD CELLS

CE (Hoisting)

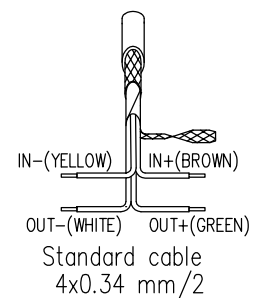
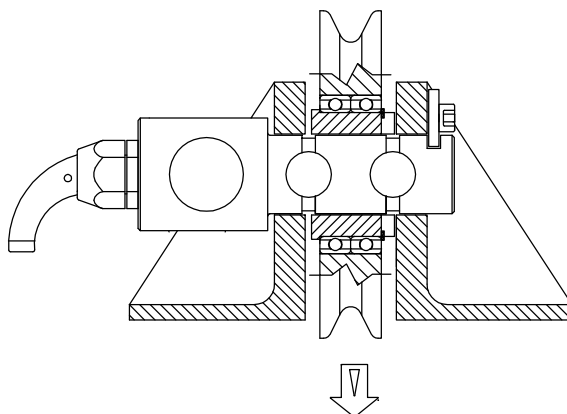
model 5600 stainless steel
 Range 0.5 – 6.3 t. IP65
DOUBLE SHEAR BEAM AXLE
 Cable length : 6 m



| REFERENCE DIMENSIONS | | | | | | | | | | | |
|----------------------|----------|-----------|---|----|--------|---|----|----|----|----|----|
| CAP.(t.) | A min | I min-max | b | h | ØD(h9) | F | f | a | c | Ød | |
| 0.5 | * 7...10 | 20-100 | 6 | 12 | 20 | 6 | 18 | 25 | 50 | 10 | |
| 1.5 | 12 | 25-160 | | | 30 | | | | | | 22 |
| 2 | | 32 | | | 23 | | | | | | |
| 3 | | 36 | | | 24 | | | | | | |
| 4 | | 39 | | | 25.5 | | | | | | |
| 6.3 | | 25.5 | | | | | | | | | |

| STANDARD DIMENSIONS | |
|---------------------|---|
| RANGE ØD | a,b,c,Ød,h,f |
| 18 – 25 | Depending directly on the diameter according to DIN 15058 Complete list with the different parameters available on request |
| 20 – 35 | |
| 24 – 39 | |
| 28 – 39 | |
| 32 – 39 | |
| 36 – 39 | |

* Depend on capacity



Cable screen not connected to transducer
 Option f : Cable screen connected to transducer
 (6 wires cable in option)

Rev.11/03/97 C