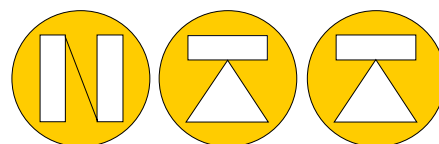


LOAD PIN MB-30/35-XX



NORDIC TRANSDUCER



MB-30/35 Stainless steel measuring bolt in high quality stainless steel made for special force measuring jobs where shape and size make this type ideal.

New model design include higher accuracy than normally seen on this type of force sensor and even still very strong and well protected unit for use in industrial environment.

Custom made types is also possible even at smaller quantities.

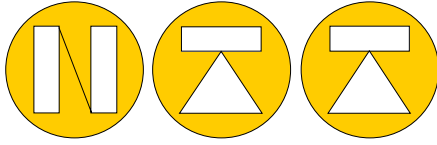
MB-30/35-xx SPECIFICATIONS

| | | | |
|-----------------------------|------------------------|--------------------------|-----------------|
| NOMINAL LOAD | 25kN, 50kN, 100kN | a) minimum load | 0% |
| MINIMUM RANGE | 0-20% | b) service load | 100% |
| COMBINED ERROR | < +/- 0.20% | c) max. permissible load | 120% |
| NON REPEATABILITY F.S. | < +/- 0.05% | d) breaking load | >300% |
| Creep % F.S. 30 min. 20 MIN | < +/- 0.05 | e) max. side load | 100% |
| TEMPERATUR EFFECT | PPM/°C of applied Load | PROTECTION CLASS | IP67 |
| on zero | < 20 PPM/°C | | |
| on span | < 20 PPM/°C | Potted and metal seal | 25kN ... 100kN |
| NOMINAL SENSITIVITY +/-0.1 | * 1 - 1.75mV/Volt | | |
| INPUT RESISTANCE | 385+/- 10 Ohm | NOMINAL TEMP. RANGE | - 10/+40 °C |
| OUTPUT RESISTANCE | 350+/- 3 Ohm | SERVICE TEMP. RANGE | -20/+70 °C |
| ZERO BALANCE F.S. | +/-1.0% | CELL MATERIAL | Stainless steel |
| SUPPLY VOLTAGE DC/AC | 5V - 15 Volt | CABLE | ø4mm x 6 meter |

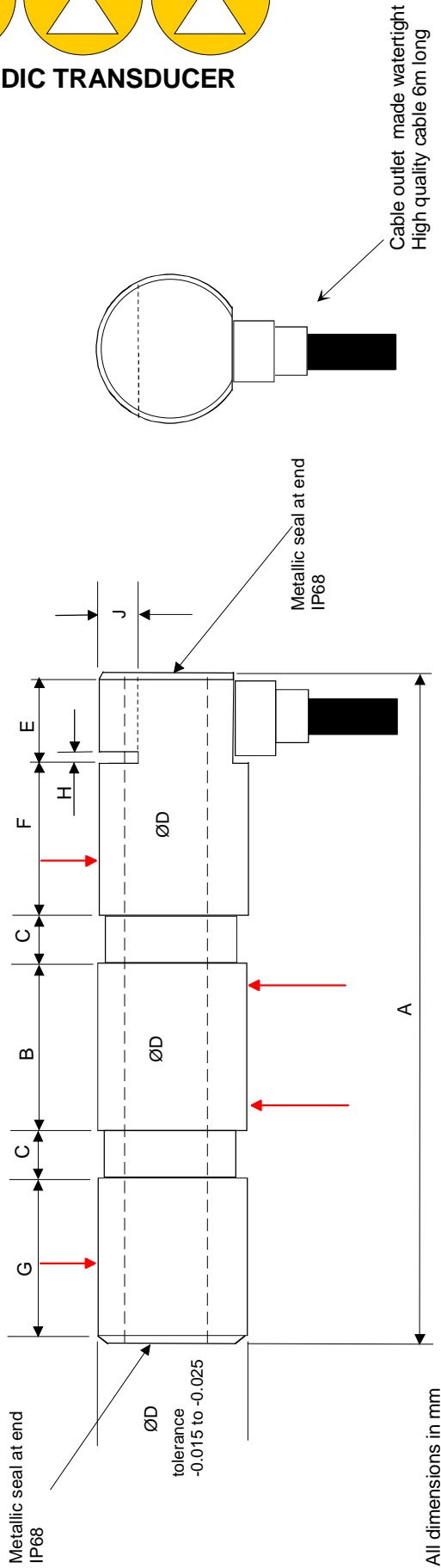
All specifications subject to change without notice

Ref. force: 1 kg = 9.80665N

* Sensitivity: 25kN & 50kN = 1.00mV/V +/-0.1mV
100kN = 1.75mV/V +/-0.1mV



NORDIC TRANSDUCER



Material: High strength stainless steel 2CR13Ni
 Protection degree: Potted and closed by metallic seal at the ends drilled at ends.
 Input Impedance 385 Ohm +/-10 Ohm resistance, 1mV/V +/-0.1
 Output Impedance 350 Ohm +/-3 Ohm
 25kN & 50kN 1.00mV/V +/-0.10
 100kN 1.750 mV/V +/-0.10

| Nominal Load kN | A | B | C | D | E | F | G | H | J |
|-----------------|-----|------|----|----|------|------|------|-----|----|
| 25 | 115 | 34 | 12 | 30 | 18.5 | 19.5 | 18.6 | 8.2 | 10 |
| 50 | 115 | 34 | 12 | 30 | 18.5 | 19.5 | 18.6 | 8.2 | 10 |
| 100 | 119 | 33.8 | 12 | 35 | 17.8 | 20.8 | 22.5 | 8.2 | 10 |

Please notice the ØD minus tolerance which is very important.

Non linearity +/-0.10% FS
 Hysteresis +/-0.10% FS
 Repeatability +/-0.05% FS
 Zero Balance +/- 1.0% FS
 Temp. effect on Zero +/-0.05% FS/10°C
 Temp. effect span +/-0.05% FS/10°C
 Compensated temp. range -10°C --+50°C

| | | |
|------------------|---|---------------------------------|
| OWNER: | Nordic Transducer | Als Odde DK9560 Hadsund Denmark |
| TITLE: | LOAD PIN Type: MB-D-X (D = ØD, X= capacity in kN) | |
| DRAWN BY: | KD | DATE: 24-09-14 |
| ID: | Drawing # LP230605 rev. 05 | SCALE: not scaled |