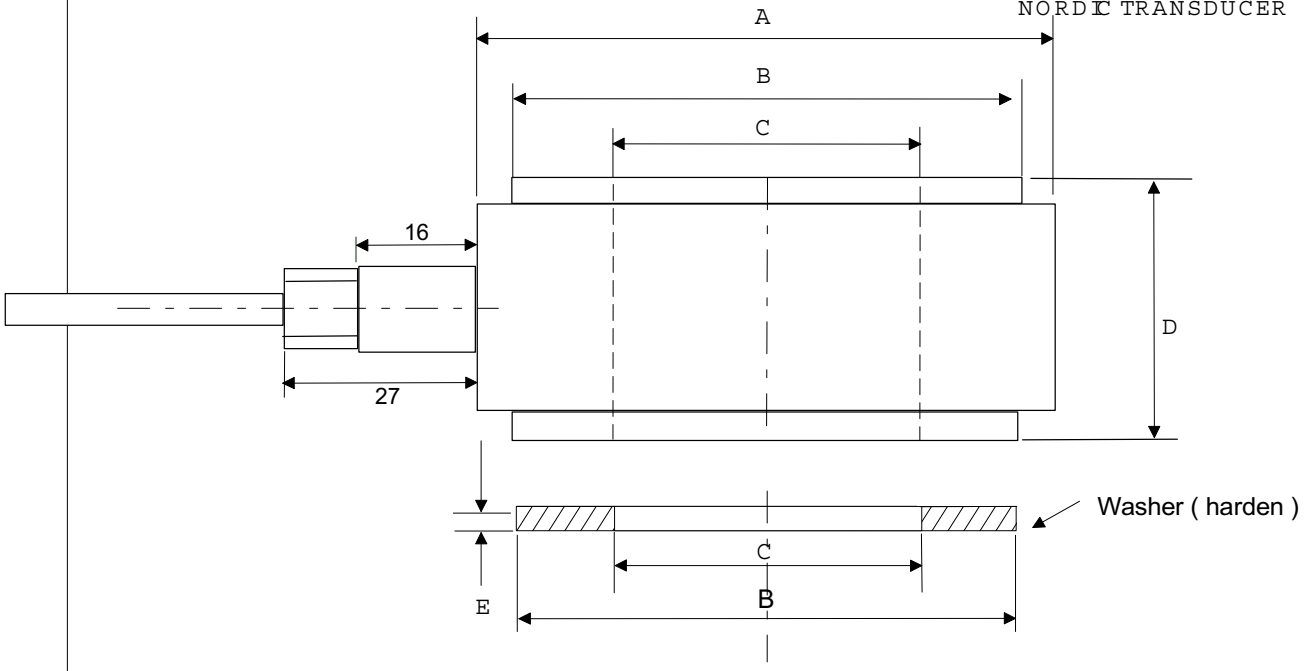
NORDIC TRANSDUCER



Dimensions in mm

Bolt size	Force kN	A	B	C	D	E
M8	30	24	15	8.3	12	2
M10	60	24	17.8	10.3	12	2
M12	80	28	22.5	12.3	15	2.5
M16	120	32	28	16.3	15	2.5
M20	160	46	38	20.3	15	3
M24	300	54	48	24.5	22	3
M30	500	65	60	30.8	27	3
M36	750	79	64	37	27	4

Capacity: 30kN - 750kN Stainless steel
Sensitivity mV/V approx. 2.0 +/- 0.01
Non linearity %FS < +/- 1.0
For compressing measuring app.: <+/-1.0%
For measuring fastner clamping app.:<+/-3.0%
Hysteresis %FS < 0.5 %
Repeatability %FS < 0.2 %
Zero balance %FS +/-1.0
Zero temp. drift %FS/10°C +/-0.2
Span temp. drift %FS/10°C +/-0.2
Supply voltage V max. 12 (AC/DC)
Temp. compensation range -10 - +50 °C
Input Impedance M12-700 Ohm/1800 Ohm M30
Output Impedance M12-700 Ohm/1400 Ohm M30
Safe overload %FS 150
Max. dynamic load S% 70
Cable in high quality
Ø3mm x length 3000mm for M8-M20
Ø5mm x length 5000mm for M24-M36

4 wire
Input+ : Red, Input-: Black
Output+: Green, Output-: White
Cable screen is not connected to load cell body
Protection degree: Potted IP65

Nordic Transducer

(Zul. Abw.) (Oberfl.) Maßstab (Gewicht)

(Compression Load Cell)
Cell Material: Stainless Steel
Finish: Welded/ potted

	Datum	Name
Bearb.	17012024	KD
Gepr.	Rev.02	
Norm		

BTN-Mxx-(M8..M36-AZE)
Bolt Tension Transducer

www.ntt.dk

Ref. force: 1 kg = 9.80665N

Nordic Transducer

Blatt

Blätter

Zust. Änderung Date: 02122023

SHEET: 1 OF 1 REVISION: 04

Nordic Transducer

BTN-Mxx
Bolt Tension Transducer
M8 to M36, 30kN to 750kN

Nordic Transducer

Scope: The bolt tension Load cell can be connected to all of our Amplifiers and instruments.

STAR instrument can be used for up to 7 different load cell capacities, also with option for datalogging ++++,

please call us and ask for our solution to solve your job !!

We do have several options of connections to these sensors.
As 2 Wire 4-20mA, 3 wire 4-20mA, Voltage 0-5V, 0-10VDC,
USB3 with software all to be connect on the cable in line from load cell .

LAB 101.1 2 wire analog
LAB 104.1 4 wire 5VDC or 10VDC
LCV-I4 4-20mA or Voltage
LCVUSB3 direct including free software