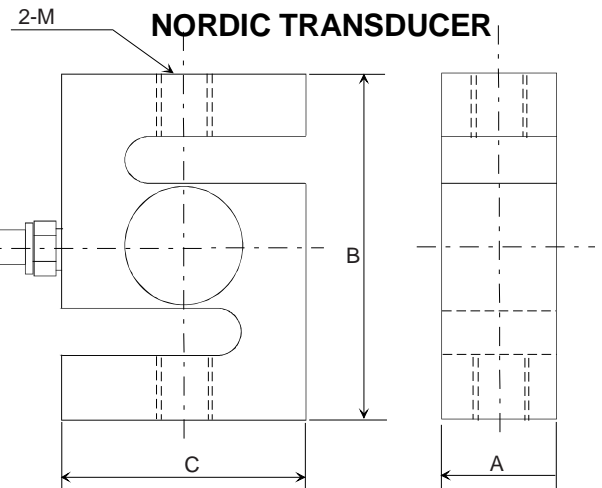
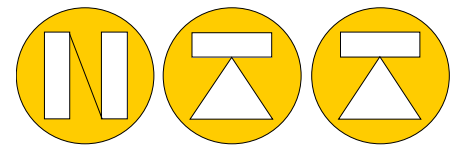


S Beam Model TCTN-9110 50N - 200kN Transducer Tension / Compression



Model **TCTN-9110** is an sealed (5kN-50kN) nickel plated tool steel S beam Transducer. Designed for tension and compression. This cost effective product finds application in a wide range of environments also as high accuracy tension Transducer for usage even in EN ISO 376 based tensile testing machines.

Capacity**	A	B	2M	C
0-50N, 0-100N, 0-200, 0-250N, 0-500N	12.7	64	M8 *1.25	51
0-1kN, 0-2kN, 0-3kN, 0-5kN	19.1	76	M12*1.75	51
0-10kN, 0-15kN	25.4	76	M12*1.75	54
0-20kN (only at special order min. 10 pcs)	25.4	82	M18*1.50	58
0-20kN, 0-30kN, 0-50kN	25.4	108	M20*1.50	76

**Capacities has to be seen as say 0-100N, 0-25kN and so on in all the different capacities shown.

TCTN-9110 SPECIFICATIONS

NOMINAL LOAD	50N ... 50kN	a) minimum load	0%
MINIMUM WORKING RANGE	0-25%	b) service load	100%
COMBINED ERROR	< +/- 0.04%	c) max. permissible load	120%
NON REPEATABILITY FS	< +/- 0.01%	d) breaking load	>300%
Creep % FS 30 min. 20 MIN	< +/- 0.03	e) max. side load	100%
TEMPERATUR EFFECT 10°C		PROTECTION CLASS 50..1kN	IP64
on zero	< +/- 0.05 %	2kN ... 100kN	IP65
on span	< +/- 0.1 %	Potted and seal	50N ... 5000N
NOMINAL SENSITIVITY +/-0.01	3mV/Volt	Potted and metal seal	10kN ... 200kN
INPUT RESISTANCE	385 +/- 10 Ohm	NOMINAL TEMP. RANGE	- 10/+40 °C
OUTPUT RESISTANCE	350 +/- 30hm	SERVICE TEMP. RANGE	-20/+70 °C
ZERO BALANCE FS	+/-1.0%	CELL MATERIAL (Nickel Plated)	Tool Steel
SUPPLY VOLTAGE	5V - 15 Volt	CABLE	Ø5 x 5 meter

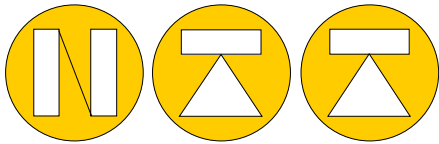
All specifications subject to change without notice

Ref. force: 1 kg = 9.80665N

Please notice: all capacities can be delivered as 2mV/V +/-0.1% at special order

5 point Load Cell Test Report come with all the load cells, showing Non linearity, Repeatability & Hysteresis.

Nordic Transducer Als Oddevej 85 DK-9560 Hadsund Denmark
Phon. +45 98 58 14 44 fax. +45 98 58 18 66 e-mail: ntt@ntt.dk WEB: www.ntt.dk



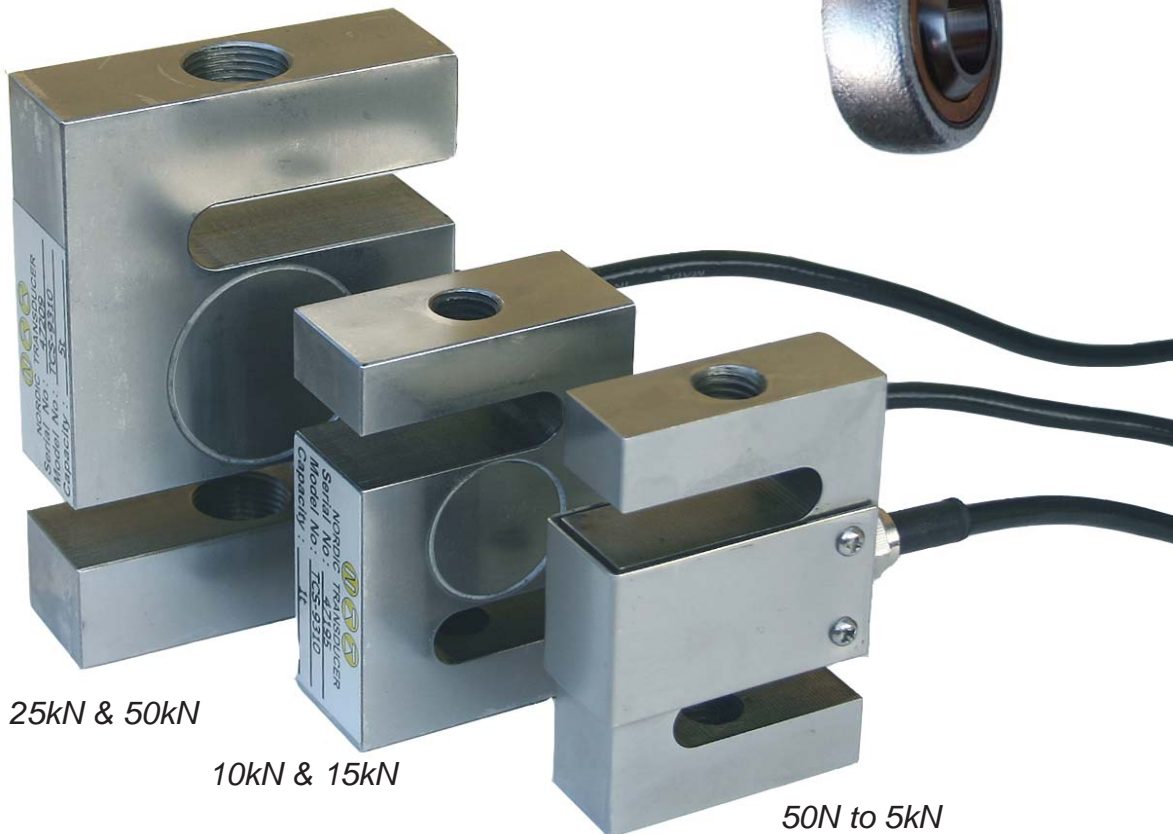
NORDIC TRANSDUCER

S Beam Model TCTN-9110

Rod end bearings can also be supplied for all TCTN-9110 capacities

Cable color code

Red	+ Excitation	Green	+ signal
Black	- Excitation	White	- signal



25kN & 50kN

10kN & 15kN

50N to 5kN

Complete closed by special potting compound and then protected by integrated cover plate as shown

Complete closed by special potting compound and then protected by outside mounted cover plate as shown