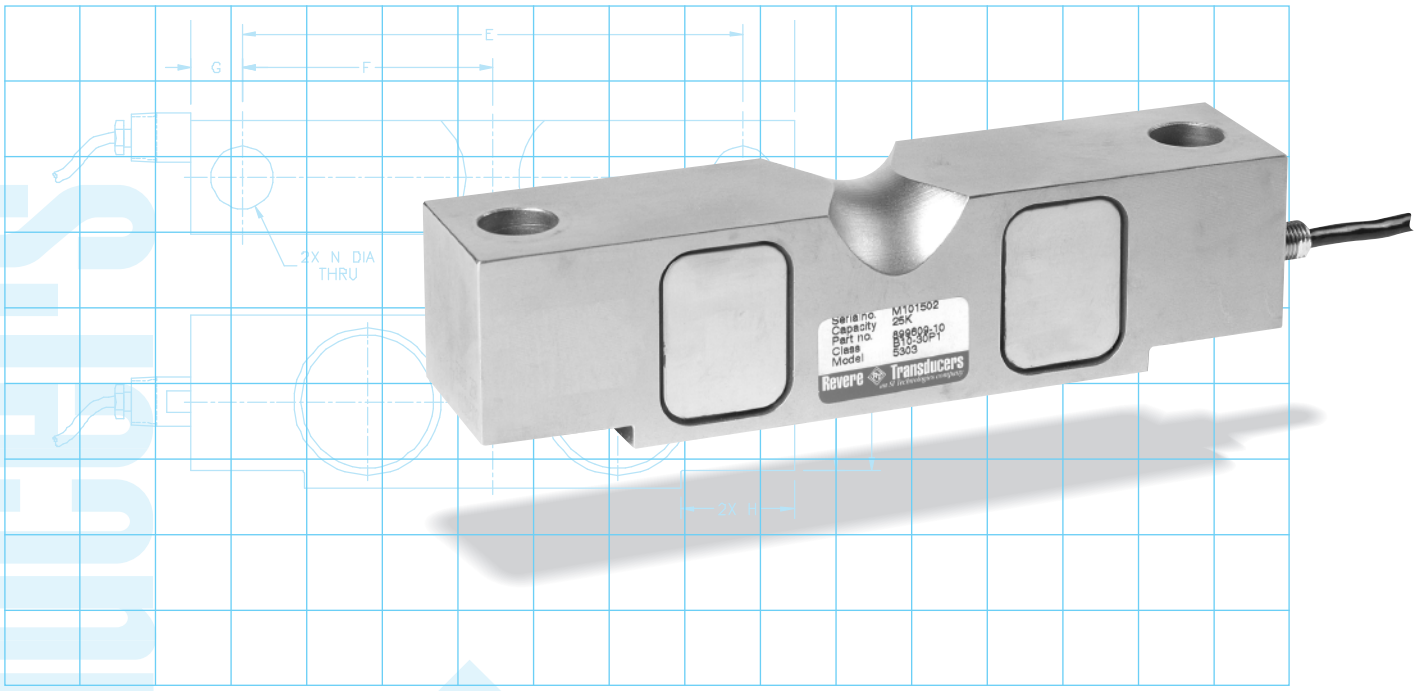
5303 DOUBLE ENDED BEAM LOAD CELL



FEATURES:

- Capacities: 25 to 125 K lbs
- Environmental protection: IP67 (DIN 40.050)
- Material: Nickel Plated Steel

APPLICATIONS:

- Weighbridges
- Silos, Tanks and Hoppers

DESCRIPTION:

The 5303 is a link loaded Double Ended Shear Beam type load cell, specifically designed for truck scales, track scales and high capacity weighing applications.

APPROVALS:

Class IIIL 10000d

Factory Mutual

Revere Transducers
an SI Technologies company

5303: SPECIFICATIONS

Parameter	Symbol	Unit of Measure	Specification
			Imperial
Capacities	E_{max}	lb	25K, 40K, 50K, 60K, 75K, 100K, 125K
Accuracy Class			B10
Accuracy Class According to			NTEP Class IIIL
Potentially Explosive Atmospheres options			Factory Mutual
Maximum number of Verification Intervals	n_{lc}		10000d
Minimum Verification Interval	v_{min}		0.75, 1.20, 1.50, 1.80, 2.25, 3.00, 3.75
Combined Error[1]		±%S	0.02
Creep error (20 minutes)		±%S	0.03
Temperature Effect on Zero	TC_O	±%FS/5°C (/°F)	0.0090 (0.0010)
Temperature Effect on Output	TC_S	±%S/5°C (/°F)	0.0072 (0.0008)
Rated Output	FS	mV/V	3 ± 0.003
Compensated Temperature Range	T_{cps}	°C (°F)	-10 to +40 (+14 to +104)
Operating Temperature Range	T_{opr}	°C (°F)	-53 to +93 (-65 to +200)
Environmental Protection			IP67
Cable Length		m (ft)	9 (30)
Cable Type			4 Wire Shielded, shield is not connected to load cell body
Zero Balance		±%FS	1.0
Safe Load Limit	E_{lim}	$\%E_{max}$	150
Ultimate Load	E_{ult}	$\%E_{max}$	300
Safe Side Load Limit		$\%E_{max}$	100
Excitation Voltage		Volts AC or DC	10 Recommended, 15 Maximum
Input Resistance		Ohms	700.0 ± 7.0
Output Resistance		Ohms	700.0 ± 7.0
Insulation Resistance at 50 VDC		Mega Ohms	>5000
Element Material		ASTM	Nickel Plated Steel

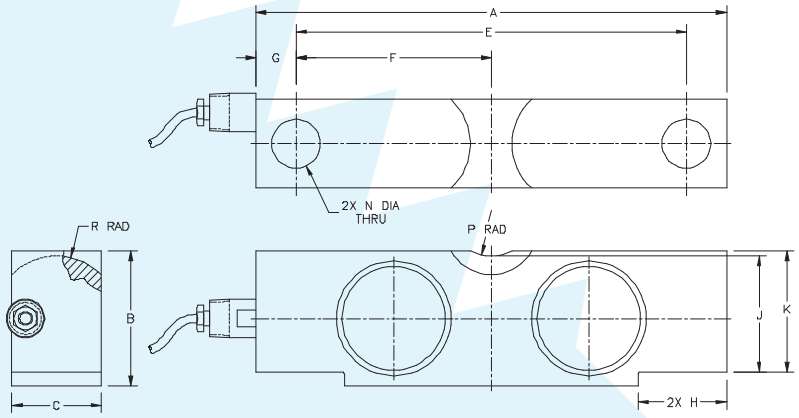
Notes:
- We continually improve our products and therefore specifications are subject to change without notice.
- The accuracy may be affected if 4-wire load cell cables are shortened.

[1] Includes the effects of Non-Linearity and Hysteresis.

Wiring color code:

Excitation +	Red
Excitation -	Black
Output +	Green
Output -	White
Shield	Tranparent

	Dimensions in inches			
Capacity	25K	40K	50-75K	100,125 K
A	7.75	10.25	10.25	15.25
B	6.50	8.50	8.50	12.75
C	0.63	0.88	0.88	1.25
D	1.94	2.44	2.94	3.86
E	1.69	1.94	2.44	2.90
F	1.38	1.94	1.94	3.13
G	1.70	2.10	2.65	3.43
H	1.63	2.00	2.54	3.30
J Ø	0.68	0.81	1.06	1.62
K Rad	0.75	1.00	1.00	1.50
L Rad	0.90	1.12	1.37	1.80



Attention: All dimension tolerances according to ISO 2768m, unless otherwise specified.

Mounting:
Correct mounting of the load cells is essential to ensure optimum accuracy and performance. Further information is available on request.

No Mounts available for 5303.

REVERE TRANSDUCERS EUROPE
Ramshoorn 7
4824 AG Breda
The Netherlands
Tel.: (+11) 76 5412854
Fax:(+31) 76 5480700
E-mail: info@revere.nl
www.revere.nl

REVERE TRANSDUCERS INC.
14192 Franklin Avenue
Tustin, CA 92780-7016
U.S.A.
Tel.: (+1) 714.731.1234
Fax: (+1) 714.731.2019
E-mail: info@reveretransducers.com
www.reveretransducers.com