

## Stainless Steel Multi-Column Compression Load Cell

### FEATURES



- Rated capacities of 50,000 to 200,000 pounds, 23 to 91 metric tons
- Stainless steel, welded seal construction
- Multi-column *monolithic element* design
- 35 feet [10.7m] standard cable length
- Three times side loading tolerance relative to similar competitive products
- Reduced eccentric loading sensitivity
- Integral conduit adaptor
- Replacement for models RTI 792 and BLH C2P1
- Trade certified for NTEP Class III L:10,000 divisions; Class III:5,000 divisions and OIML R60 3,000 divisions
- Welded *Sensorgage™* sealed to IP66/67 standards
- *Cell Guard™* Two Year Warranty
- ISO 9001:2000 Certified manufacturing facilities

### APPLICATIONS

- Truck scales
- Railroad track scales
- Tank, bin and silo weighing applications

RATED CAPACITIES	
lbs	[kgs/metric tons]
50K, 100K, 200K	23t, 45t, 91t

FULL SCALE OUTPUT (FSO)	
lbs	[kgs/metric tons]
2.0 mV/V ± 0.50%	2.0 mV/V ± 0.50%



**ISO**  
**9001:2000**



**Factory**  
**Mutual**  
**System**  
 Approved

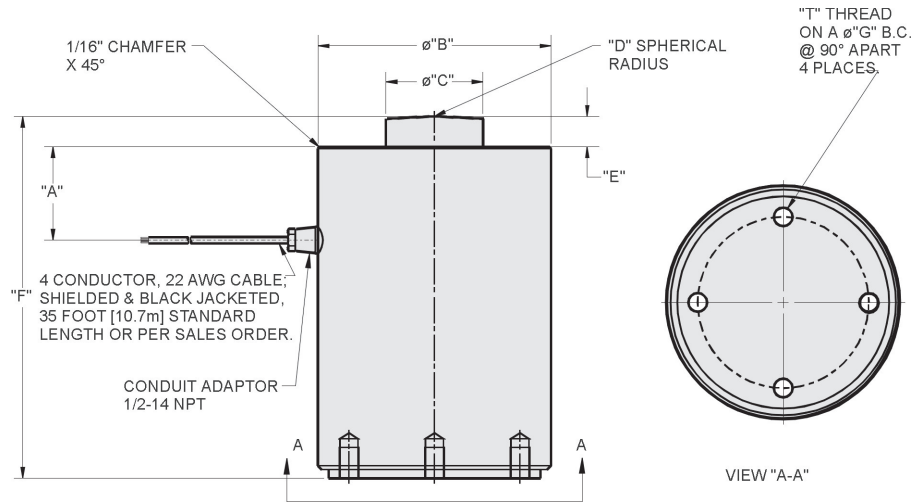
<b>ACCURACY CLASS</b>				
	<b>STANDARD</b>	<b>NTEP III</b>	<b>NTEP IIIIL</b>	<b>OIML R60</b>
Max. No. Verification Intervals	--	5,000 Multiple	10,000 Multiple	3,000
Combined Error % FSO	≤ 0.03	--	--	--
Nonlinearity % FSO	≤ 0.03	--	--	--
Hysteresis % FSO	≤ 0.02	--	--	--
Creep Error % FSO	≤ 0.03 in 20 minutes	--	--	--
Temperature Effect on:				
• Zero % FSO/°F	≤ 0.0015	--	--	--
• Output % of Load/°F	≤ 0.0008	--	--	--

**PERFORMANCE SPECIFICATIONS****Non-Repeatability % FSO:** ≤ 0.1**Zero Balance % FSO:** ≤ 1.0**Insulation Resistance:** >1000 Mohms at 50 VDC**Compensated Temperature Range:** 14° to 104°F [-10° to 40°C]**Operating Temperature Range:** 0° to 150°F [-18° to 65°C]**Storage Temperature Range:** -60° to 185°F [-50° to 85°C]**Input Resistance:** 350 ±3.5 Ohms**Output Resistance:** 350 ±3.5 Ohms**Recommended Excitation Voltage:** 10 Volts DC**Maximum Excitation Voltage:** 25 Volts DC**Safe Sideload:** 30% of Rated Capacity**Safe Overload:** 150% of Rated Capacity**Ultimate Overload:** 300% of Rate Capacity**Sealing:** Meets IP66/67 Standards**Material****Element:** 15-5 PH Stainless Steel**Canister:** 304Stainless Steel

<b>CAPACITY</b>										
	<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>	<b>E</b>	<b>F</b>	<b>G</b>	<b>T</b>	<b>DEFLECTION</b>	<b>WEIGHT</b>
50K	1.17	4.50	1.25	8.00	0.75	7.50	2.38	3/8-24 UNF-2B x .63 DEEP	0.003	15.0
100K	2.00	5.75	1.75	12.00	0.87	9.13	4.00	1/2-20 UNF-2B x .75 DEEP	0.006	35.0
200K	2.93	7.50	2.50	12.00	0.97	11.63	5.50	5/8-18 UNF-2B x 1.00 DEEP	0.006	55.0
[23t]	[29.7]	[114.3]	[31.7]	[203.2]	[19.0]	[190.5]	(60.5)	3/8-24 UNF-2B x .63 DEEP	[0.1]	[6.8]
[45t]	[50.8]	[146.0]	[44.5]	[304.8]	[22.1]	[231.9]	[101.6]	1/2-20 UNF-2B x .75 DEEP	[0.2]	[15.9]
[91t]	[74.4]	[190.5]	[63.5]	[304.8]	[24.6]	[295.4]	[139.7]	3/8-24 UNF-2B x .63 DEEP	[0.2]	[25.0]

Dimensions are in inches [mm]. Capacities are in pounds [kg/t]. Deflection is ±10%. Specifications are subject to change. Certified drawings are available.

**DIMENSIONAL OUTLINE DRAWING**



**WIRING**

+ Excitation = Green; - Excitation = Black; + Output = White; - Output = Red