

MODEL 65040

DOUBLE-ENDED SHEAR BEAM LOAD CELL

APPLICATIONS

- Truck scales
- Railroad track scales
- "Legal for Trade" tank, bin and hopper weighing

FEATURES

- Rated capacities of 25,000 to 125,000 pounds,
10 to 45 metric tons
- Center supported, end-link loaded
- Integral conduit adaptor
- Trade certified for NTEP Class III L:10,000 divisions and
OIML R60 3,000 divisions
- **Sensorgage™** sealed to IP67 standards
- **Cell Guard™** Two Year Warranty
- Factory Mutual System Approved for Classes I, II, III;
Divisions 1 and 2; Groups A through G.
Also, **Non-Incendive** ratings (No Barriers!).
- ISO 9001 Certified manufacturing facilities



65040W

ISO
9001



Factory
Mutual
System
Approved



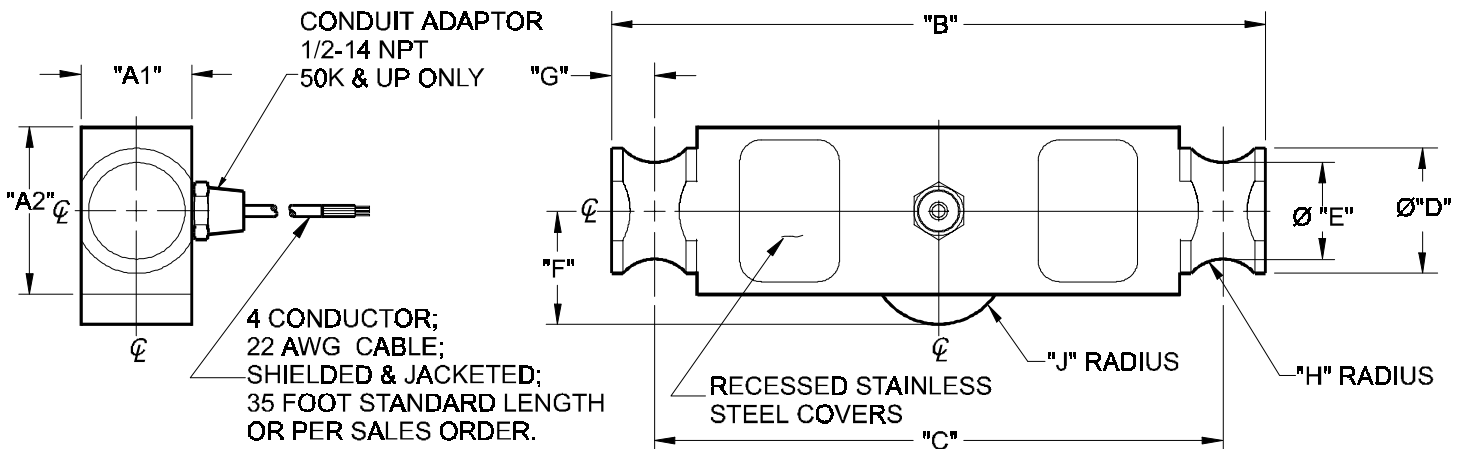
Model 65040 Performance Specifications

Rated Capacities (lbs): 25K, 40K, 50K, 60K, 75K, 100K, 125K

(tons): 10t, 25t, 35t, 45t

Full Scale Output (FSO): 3.0 mV/V ±0.25%

Accuracy Class:	Standard	NTEP IIII	OIML R60
Max. No. Verification Intervals	--	10,000 Multiple	3,000
Combined Error % FSO	≤ .03	--	--
Non-Linearity % FSO	≤ .03	--	--
Hysteresis % FSO	≤ .02	--	--
Creep Error % FSO	≤ .03 in 20 minutes	--	--
Temperature Effect on:			
• Zero % FSO/°F	≤ 0.0015	--	--
• Output % of Load/°F	≤ 0.0008	--	--
Non-Repeatability % FSO		≤ .01	
Zero Balance % FSO		≤ 1.0	
Insulation Resistance		> 1000 Mohms at 50VDC	
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		686-714 Ohms	
Output Resistance		699-707 Ohms	
Recommended Excitation Voltage		10-15 Volts DC	
Maximum Excitation Voltage		25 Volts DC	
Sideloading Rejection Ratio		500:1	
Safe Sideloading		100% of Rated Capacity	
Safe Overload		150% of Rated Capacity	
Ultimate Overload		300% of Rated Capacity	
Sealing		Meets IP67 Standards	
Material		High alloy tool steel	
Finish		Electroless nickel plated	



WIRING

FUNCTION	COLOR
+ Excitation	Red
- Excitation	Black
+ Output	Green
- Output	White

CAPACITY	A1	A2	B	C	D	E	F	G	H	J	Deflection	Weight
25K - 40K (10t)	1.94 (49.3)	2.44 (61.9)	8.25 (209.6)	7.25 (184.2)	2.0 (50.8)	1.63 (41.4)	1.75 (44.5)	0.50 (12.7)	0.50 (12.7)	0.50 (12.7)	0.02 (0.5)	11.0 (5.5)
50K - 75K (25 - 35t)	1.94 (49.3)	2.94 (74.7)	11.50 (292.1)	10.00 (254.0)	2.2 (55.9)	1.70 (43.2)	2.00 (50.8)	0.75 (19.1)	0.75 (19.1)	1.00 (25.4)	0.04 (1.1)	18.0 (8.2)
100K - 125K (45t)	2.90 (73.7)	3.86 (98.0)	14.50 (368.3)	12.50 (317.5)	3.2 (81.3)	2.44 (62.0)	2.75 (69.9)	1.00 (25.4)	1.00 (25.4)	1.50 (38.1)	0.06 (1.5)	42.0 (19.1)

Dimensions are in inches (millimeters). Capacities are in pounds (metric tons). Deflection is ±10%. Specifications are subject to change. Certified drawings are available.