Truck Scale Assembly

FEATURES

- Rated capacities of 10,000 to 75,000 pounds
- High quality cast components
- *Unilink*™ "floating" suspension system allows controlled floating of the scale deck
- Incorporates model 65058 double-ended shear beam load cells
- *Sensorgage*™ sealed to IP67 standards
- Trade certified load cells for NTEP Class IIIL: 10000 divisions; Class III: 5000 divisions available
- Factory Mutual System Approved for Classes I, II, III; Divisions 1 and 2; Groups A through G. Also, non-incendive ratings (No barriers!)
- **Optional**
  - ❍ Optional load equalizer pads available
  - ❍ Stainless steel version available

APPLICATIONS

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

DESCRIPTION

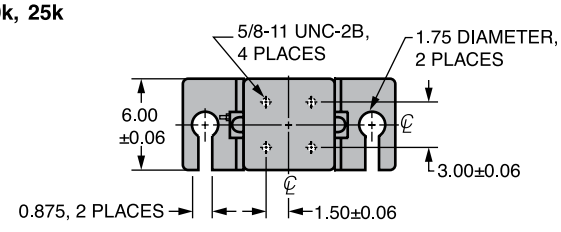
The 65058-TSA is a high capacity truck scale weighing assembly.

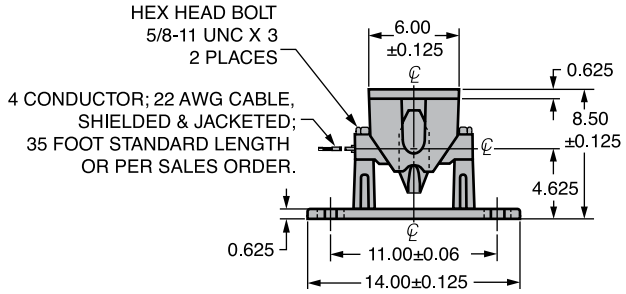
This product is designed to simplify the installation of the 65058 load cell into a certified Legal-for-Trade high capacity weigh bridge. Unilink™ floating suspension allows controlled floating of the scale deck, providing a reliable and accurate weighing system. The load cell is nickel plated or stainless steel and sealed to IP67 standards, assuring reliability. The mount assembly is provided with a primer coat finish to simplify the manufacture of the scale.

This weighing assembly is rated intrinsically safe by the Factory Mutual System (FM); making it suitable for use in potentially explosive environments. This weighing assembly is certified for Legal-for-Trade applications by both American NTEP and International OIML standards.

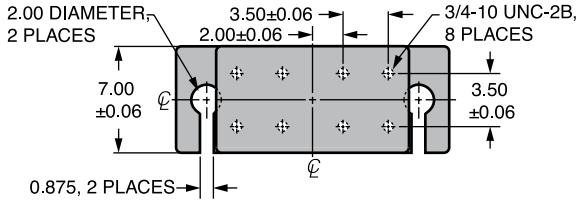
OUTLINE DIMENSIONS in inches

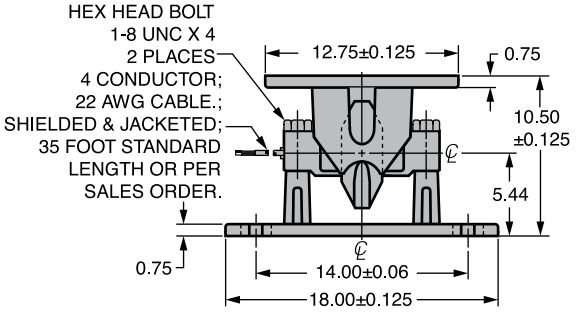
10k, 20k, 25k





50k, 60k, 75k





Wiring

+ Excitation Red + Output Green
– Excitation Black – Output White

Truck Scale Assembly

SPECIFICATIONS					
PARAMETER	**VALUE**				**UNIT**
Rated capacity—R.C. (E_{max})	10k, 25k, 40k, 50k, 60k, 75k				lbs
NTEP/OIML accuracy class	NTEP III	NTEP IIIL	Standard	OIML R60	
Maximum no. of intervals (n)	5000 multiple	10000 multiple		3000	
Y = E_{max}/V_{min}	See NTEP cert. 86-046A3			6667	Maximum available
Rated output—R.O.	3.0				mV/V
Rated output tolerance	0.25				±% mV/V
Zero balance	1.0				±% FSO
Combined error	0.02	0.02	0.03	0.02	±% FSO
Non-repeatability	0.01	0.01	0.015	0.01	±% FSO
Creep error (30 minutes)	0.025	0.030	0.03	0.017	±% FSO
Temperature effect on zero	0.0010	0.0010	0.0015	0.0010	±% FSO/°F
Temperature effect on output	0.0008	0.0008	0.0008	0.0007	±% of load/°F
Compensated temperature range	14 to 104 (–10 to 40)				°F (°C)
Operating temperature range	0 to 150 (–18 to 65)				°F (°C)
Storage temperature range	–60 to 185 (–50 to 85)				°F (°C)
Sideload rejection ratio	500:1				
Safe sideload	100				% of R.C.
Maximum safe central overload	150				% of R.C.
Ultimate central overload	300				% of R.C.
Excitation, recommended	10				VDC or VAC RMS
Excitation, maximum	25				VDC or VAC RMS
Input impedance	686–714				Ω
Output impedance	699–707				Ω
Insulation resistance at 50 VDC	>1000				MΩ
Material	Nickel-plated alloy tool steel*				
Environmental protection	IP67				

* Stainless steel available

FSO—Full Scale Output

All specifications subject to change without notice.

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