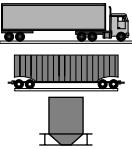
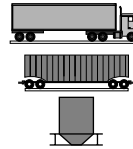
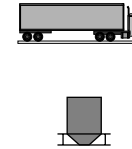
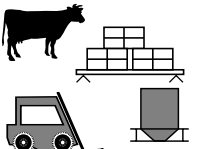
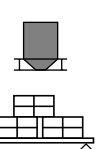





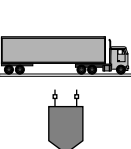
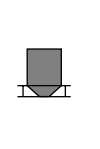


LOAD CELLS

MOUNTING ASSEMBLIES

ACCESSORIES



Type	SCA	SCD	DB	SB	TB	LFB	TSP	TSSP	CB	FX	ZX	TSL
NTEP Approval	89-042A3	89-071	97-133A1	87-059A1	99-018		97-136		96-091		92-192A2	
OIML Approval	R60/1991-DK-96.05		R60/1991-DK-99.01	R60/1991-OK-97.02	R60/1991-DK-97.03	R60/1991-DK-00.02	R60/1991-DK-97.01	R60/1991-NL-00.02	R60/1991-DK-96.04			
Accuracy Class	IIIL 10000 C3	IIIL 10000	IIIL 10000 C3	III 5000 C3 IIIL 10000	III 5000 C3	C3	III 5000 C3/C4	C3	III 4000 C3 C4		III 5000 IIIL 10000	
Nominal Load	23T 45T 54T	23T 45T 54T	23T	1100 kg 2200 kg 4500 kg 9000 kg	1100 kg 2500 kg 4000 kg	125 kg 250 kg 500 kg 1250 kg	10 kg 30 kg 15 kg 50 kg 20 kg 100 kg	200 kg	10 kg 20 kg 50 kg 100 kg 200 kg	3.5 kg	113 kg, 226 kg 226 kg, 450 kg 1134 kg, 1360 kg 2268kg, 4536kg 9072 kg	500 μ E (micro strain)
Rated Output	2mV/V	Digital	2mV/V	2mV/V	2mV/V	2mV/V	2mV/V	2mV/V	2mV/V	2mV/V	3mV/V	0.7mV/V
Protection Class	IP-68	IP-68	IP-68	IP-68	IP-67	IP-67	IP-68	IP-67	IP-68	IP-67	IP-66/68	IP-67
Material	Stainless	Stainless	Stainless	Stainless	Stainless	Stainless	Aluminum	Stainless	Stainless	Aluminum	Stainless	Stainless
Application												
Notes	High performance compression load cell for high capacity weighing	Digital load cell with integral A/D converter	Double ended shear beam load cell for high capacity applications	Rugged high capacity beam cell for heavy-duty use	Smaller profile for high to medium capacity floor scales and hopper scales	Smaller profile for medium capacity floor and bench scales - medical scales	Ideal for small retail scales and bench scales	High performance cell for bench scales	Robust beam cell for medium capacity floor and bench scales. Especially suited for washdown applications	Inexpensive load cell for small bench and retail applications	High performance tension load cell	For content indication in tanks, bins or other material storage containers



Strain gages are produced under strict clean room conditions.



After bonding, strain gages and associated components are checked for proper alignment and adherence to the sensor body.



Specialized equipment and skilled technicians are used to TIG weld environmental seals on load cells.









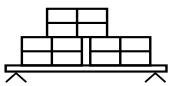



Continuous monitoring of the manufacturing process ensures uniformity among production load cells.



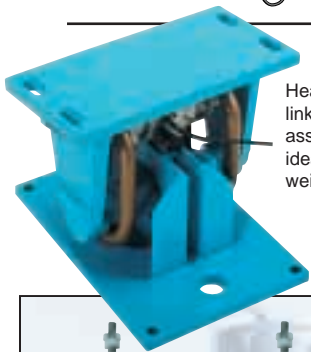
A number of dead weight testers are used to verify load cell performance



Every Cardinal load cell undergoes thorough testing to ensure high performance and cell to cell consistency are maintained.

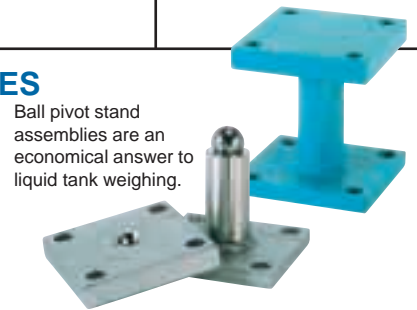
Application	Type of Scale	Scale Capacities		
		1.5 - 500 kg	500 kg - 15t	15t - 250t
	Truck Scale			SCA, SCD, DB
	Railroad Track			SCA
	Suspended Vessel		ZX	
	Vessel Weighing		TB, SB, LFB	
	Vessel Inventory Measurement	TSL	TSL	TSL
	Floor Scales	TB	SB, LFB	
	Large Bench Scales	TB	LFB	
	Small/Medium Bench Scales	TSP, TSSP, CB		
	Livestock Scales		SB	SCA, DB
	Clinical/Physician's Scales	TSSP, LFB TSP		

HARDWARE and MOUNTING ASSEMBLIES



Heavy capacity linkage and stand assemblies are ideal for industrial weighing.

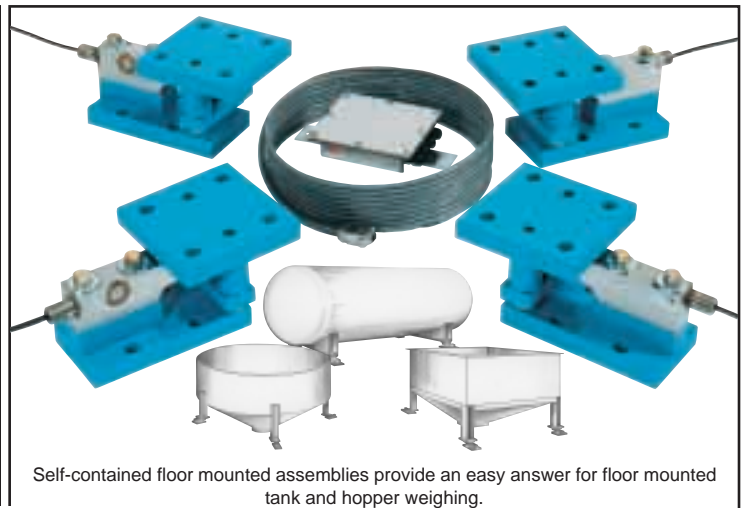
Environmental effects and on-site installation practices are key ingredients to accurate and efficient electronic weighing systems. Our complete line of mounting assemblies and auxiliary hardware packages promote positive results in final installations and continued accurate performance.



Ball pivot stand assemblies are an economical answer to liquid tank weighing.



Tension assemblies are ideally suited for suspended tank and hopper applications.



Self-contained floor mounted assemblies provide an easy answer for floor mounted tank and hopper weighing.

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