

ITCM SS

Stainless Steel Isolated Tension Cell Modules

Standard Features

- Capacities (per module): 100 lb-5,000 lb (45.4 kg-2,268.0 kg)
- Clevis mounts with nylon insulating washers
- PTFE-lined rod-end ball joints
- Load cell is completely isolated from stray currents
- Grounding strap provides alternative path to ground
- Complete package for ease of installation
- Provides correct load cell loading even in difficult installations
- Lower overall height compared to other isolated tension assemblies

Applications

- Suspended hoppers and tanks
- Mechanical scale conversions
- Use as a single module or in multiples

Complete Kit Includes

- 3 or 4 ITCM assemblies with RL20000 ST NTEP Certified s-beam load cells
- 1 JB4SS NEMA Type 4X stainless steel signal trim junction box
- 25 ft of our hostile environment EL147HE SURVIVOR® load cell cable



Load Cell Certifications



Available in configurations with three or four mounting assemblies.

Picture is a representation of actual product

The ITCM Series utilizes several Rice Lake Weighing Systems components to provide an unmatched level of performance in tank and hopper weighing applications and mechanical scale conversions. The ITCM SS incorporates clevis and unique rod-end ball joint assemblies to reduce the overall length to less than half of the traditional tension cell mounts, while providing correct load alignment. In addition, the load cell is completely electrically isolated from stray currents, which are a major cause of load cell failure. To complete the design, a grounding strap connects the two clevis assemblies to further provide safety to your load cells.



Module with RL20000 ST s-beam load cell.

Important: Read "Load Cell Mounting Hardware Safety Guidelines"

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Load Rating Dimensions - Inches (mm)*

Order Information

LOAD CELL CAPACITY	A	B	C	D	SINGLE MODULE		3-MODULE KIT		4-MODULE KIT	
					Part #	Price	Part #	Price	Part #	Price
100 lb (45.4 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)	46765	\$750.00	46735	\$2,460.00	46751	\$3,115.00
100 lb (45.4 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)	46766	750.00	46736	2,460.00	46752	3,115.00
250 lb (113.4 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)	46767	750.00	46737	2,460.00	46753	3,115.00
250 lb (113.4 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)	46768	750.00	46738	2,460.00	46754	3,115.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46769	750.00	46739	2,460.00	46755	3,115.00
500 lb (226.8 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46770	750.00	46740	2,460.00	46756	3,115.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46771	750.00	46741	2,460.00	46757	3,115.00
750 lb (340.2 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46772	750.00	46742	2,460.00	46758	3,115.00
1,000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)	46773	750.00	46743	2,460.00	46759	3,115.00
1,000 lb (453.6 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46774	750.00	46744	2,460.00	46760	3,115.00
2,500 lb (1,134.0 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)	46775	750.00	46745	2,460.00	46761	3,115.00
2,500 lb (1,134.0 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)	46776	750.00	46746	2,460.00	46762	3,115.00
3,000 lb (1,360.8 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	10.75 (ref) (273.0)	46777	800.00	46747	2,610.00	46763	3,315.00
5,000 lb (2,268.0 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	12.00 (ref) (304.8)	46778	1,390.00	46748	4,455.00	46764	5,775.00

* Load rating is per module

