

ITCM SS Stainless Steel Isolated Tension Cell Modules



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. Refer to page 115 for load cell specifications.

Important: Read "Load Cell Mounting Hardware Safety Guidelines" on page 356



STANDARD FEATURES

- Capacities (per module): 100-5,000 lb (45.4-2268.0 kg)
- Clevis mounts with nylon insulating washers
- Teflon®-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 (see page 115)
- 1 JB4SS NEMA 4X stainless steel signal trim junction box
- 25' of our Hostile Environment EL147HE SURVIVOR® load cell cable

LOAD CELL CERTIFICATIONS



NOTE: Check with your local weights & measure officials for suitability in Legal-For-Trade applications.

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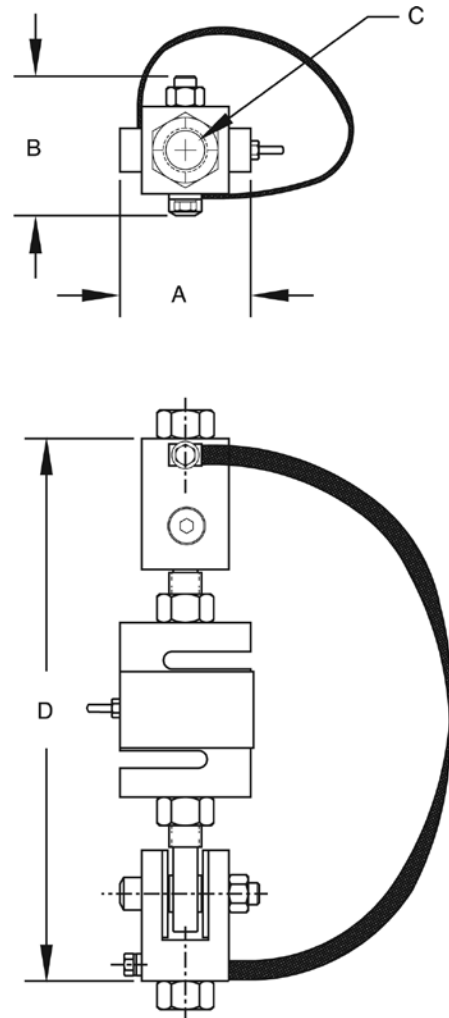
***LOAD RATING DIMENSIONS - INCHES (MM)**

LOAD CELL CAPACITY		A	B	C	D
100 lb	(45.4 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)
100 lb	(45.4 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)
250 lb	(113.4 kg)	2.00 (50.8)	1.81 (46.0)	3/8-16 NC	7.00 (ref) (177.8)
250 lb	(113.4 kg)	2.00 (50.8)	1.81 (46.0)	1/2-13 NC	7.00 (ref) (177.8)
500 lb	(226.8 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)
500 lb	(226.8 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)
750 lb	(340.2 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)
750 lb	(340.2 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)
1000 lb	(453.6 kg)	2.68 (68.1)	2.68 (68.1)	1/2-13 NC	9.50 (ref) (241.3)
1000 lb	(453.6 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)
2500 lb	(1134.0 kg)	2.68 (68.1)	2.68 (68.1)	5/8-11 NC	9.50 (ref) (241.3)
2500 lb	(1134.0 kg)	2.68 (68.1)	2.68 (68.1)	3/4-10 NC	9.50 (ref) (241.3)
3000 lb	(1360.8 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	10.75 (ref) (273.0)
5000 lb	(2268.0 kg)	3.37 (85.6)	3.37 (85.6)	3/4-10 NC	12.00 (ref) (304.8)

* Load Rating is per module

ORDER INFORMATION

SINGLE MODULE		3-MODULE KIT		4-MODULE KIT	
Part #	Price	Part #	Price	Part #	Price
46765	Consult	46735	Consult	46751	Consult
46766	Consult	46736	Consult	46752	Consult
46767	Consult	46737	Consult	46753	Consult
46768	Consult	46738	Consult	46754	Consult
46769	Consult	46739	Consult	46755	Consult
46770	Consult	46740	Consult	46756	Consult
46771	Consult	46741	Consult	46757	Consult
46772	Consult	46742	Consult	46758	Consult
46773	Consult	46743	Consult	46759	Consult
46774	Consult	46744	Consult	46760	Consult
46775	Consult	46745	Consult	46761	Consult
46776	Consult	46746	Consult	46762	Consult
46777	Consult	46747	Consult	46763	Consult
46778	Consult	46748	Consult	46764	Consult



WEIGH MODULES