

ITCM - Isolated Tension Cell Mount Hardware Kits

The Isolated Tension Cell Mount (ITCM) is a mounting assembly designed for tension mounting s-beam load cells in suspended hopper assemblies and mechanical scale conversions. The ITCM 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, a major cause of load cell failure. To complete the design, a grounding strap connects the two clevis assemblies to further guarantee safety to your load cells.

Applications

- Suspended hoppers
- Mechanical scale conversions
- Replaces traditional eye bolt, isolator configurations

Standard Features

- Provides greater safety than traditional/suspension configurations
- Complete package for ease of installation
- Built-in electrical isolation without having to use isolators (not available on 20,000 lb/9,071.9 kg version)
- Provides correct load cell loading even in difficult installations
- Dramatically reduces overall length
- Capacities from 100 lb to 20,000 lb (45.4 kg to 9,071.9 kg)
- Clevis mounts with nylon insulating washers
- PTFE-lined rod end ball joints (not available on 20,000 lb/9071.9 kg version)
- Completely isolates load cell from stray currents
- Grounding strap for electrical continuity
- Zinc plated clevis

Part Number/Price

PART #	LOAD RATING		CLEVIS THREAD	ROD END THREAD	SAFE LOAD*		PRICE
Mild Steel:							
17968	300 lb	136.1 kg	3/8-16	3/8-24	300 lb	136.1 kg	Consult
17969	300 lb	136.1 kg	1/2-13	3/8-24	300 lb	136.1 kg	Consult
17894	500 lb	226.8 kg	3/8-16	1/4-28	500 lb	226.8 kg	Consult
17895	500 lb	226.8 kg	1/2-13	1/4-28	500 lb	226.8 kg	Consult
17896	2,000 lb	907.2 kg	1/2-13	1/2-20	2,000 lb	907.2 kg	Consult
17897	2,500 lb	1134.0 kg	5/8-11	1/2-20	2,500 lb	1,134.0 kg	Consult
17898	4,000 lb	1814.4 kg	3/4-10	1/2-20	4,000 lb	1,814.4 kg	Consult
17899	5,000 lb	2268.0 kg	3/4-10	3/4-16	5,000 lb	2,268.0 kg	Consult
17900	10,000 lb	4535.9 kg	1-8	3/4-16	10,000 lb	4,535.9 kg	Consult
17958	15,000 lb (RL20000)	6803.9 kg	1 1/4-7	1-12	15,000 lb	6,803.9 kg	Consult
63166	15,000 lb (RL20001)	6803.9 kg	1 1/4-7	1-14	15,000 lb	6,803.9 kg	Consult
17959	20,000 lb**	9071.9 kg	1 1/2-6	1 1/4-12	20,000 lb	9,071.9 kg	Consult
Stainless Steel:							
33630	500 lb	226.8 kg	3/8-16	3/8-24	500 lb	226.8 kg	Consult
33631	300 lb	136.1 kg	1/2-13	3/8-24	300 lb	136.1 kg	Consult
33632	500 lb	226.8 kg	3/8-16	1/4-28	500 lb	226.8 kg	Consult
33633	500 lb	226.8 kg	1/2-13	1/4-28	500 lb	226.8 kg	Consult
33634	2,000 lb	907.2 kg	1/2-13	1/2-20	2,000 lb	907.2 kg	Consult
33635	2,500 lb	1,134.0 kg	5/8-11	1/2-20	2,500 lb	1,134.0 kg	Consult
33636	3,000 lb	1,360.8 kg	3/4-10	1/2-20	3,000 lb	1,360.8 kg	Consult
33637	5,000 lb	2,268.0 kg	3/4-10	3/4-16	5,000 lb	2,268.0 kg	Consult

Hardware kits do not include load cell

*Do not exceed the safe load

** Not electrically isolated

Important: Read "Load Cell Mounting Hardware Safety Guidelines" at the beginning of this section.

Note: Replacement parts for mounts can be found in the Replacement Parts Catalog.



Mount only - does not include load cell