

ITCM - Isolated Tension Cell Mount Hardware Kits



Mount only - does not include load cell

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, reducing the overall length to less than half of 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 load cell safety.

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/9,071.9 kg version)
- Completely isolates load cell from stray currents
- Grounding strap for electrical continuity
- Zinc plated clevis

Applications

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

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