



25 C-type Trolley

The C-type trolley could be used as a push trolley, a hand-gearred trolley and a motor-driven trolley when modified as such.

25.1 C-type Features & Specifications

When set up for hand-gearred or motor-driven trolley, two drive wheels are pinion-driven. The gear teeth are integrally cut into the wheel flange. When set up for push trolley, all the wheels are idler type.

The trolley crosshead is connected to the hoist through a coupling (LM05, LM10) that is removable from the hoist body or through a lug (LM16, LM20, LM25) that is integral with the hoist body.

- C1, C2 & C3 type trolley - forged steel wheels, C5 type trolley – ductile iron wheels
- Wheels - suitable for Wide Flange beams and tapered flange beams
- Safety lugs
- Permanently lubricated wheel ball bearings
- Negotiate a curved track except C5 type trolley
- Patented track wheel option
- Hand chain is galvanized steel as standard for hand-gearred trolleys. Stainless steel hand chain is also available.

Trolley Type	Max. Capacity	Flange Range	Minimum Radius Curve	Max. Flange Thickness	Wheel ø	Tread width	Wheel Hardness
	lbs [Kg]	inch [mm]	ft [m]	inch [mm]	inch [mm]	inch [mm]	BHN
C1	2205 [1000]	2.28-12.09 [58-307]	6.56 [2.0]	0.79 [20]	2.44 [62]	0.79 [20]	170
C2	4410 [2000]	2.52-12.2 [64-310]	6.56 [2.0]	1 [25]	3.15 [80]	0.83 [21]	170
C3	7055 [3200]	3.23-12.2 [82-310]	6.56 [2.0]	0.79 [20]	3.94 [100]	0.83 [21]	170
C5	11023 [5000]	3.23-12.2 [82-310]	Straight	0.79 [20]	4.92 [125]	0.83 [21]	240-300

25.2 Hoist and Trolley Configuration

This configuration chart applies when the hoist is lug mounted to the C3 or C5 trolley.

Hoist type	Reeving	Capacity	C3 trolley used up to height of lift	C5 trolley used up to height of lift
LM16	1 fall	1 ½ ton [1600 kg]	150 ft [46 m]	NA
	2 falls	3 ton [3200 kg]	75 ft [23 m]	NA
LM20	1 fall	2 ton [2000 kg]	75 ft [23 m]	150 ft [46 m]
	2 falls	4 ton [4000 kg]	NO	75 ft [23 m]
LM25	1 fall	2 ½ ton [2500 kg]	75 ft [23 m]	150 ft [46 m]
	2 falls	5 ton [5000 kg]	NO	75 ft [23 m]