

TIR Series

0.25 to 6 metric ton capacities

Features

TIR Series trolleys are supplied as standard equipment for MLK Series, HLK Series, and Palair Series hoists when specified. The TIR trolley may also be used as a hook-on trolley with any hoist.

- Meets ANSI B30.16 for hoisting requirements — 5:1 minimum safety factor
- All-steel construction
- Universal wheels fit both flat and tapered beam flanges
- Rail sweeps are integral with the side plates
- Cast-iron wheels roll easily on permanently greased sealed bearings
- 7' pendent control or 8' hand chain length — other lengths available
- Tight turning radius
- Standard 3-ton trolley fits 3.25" – 6" flange width, 6-ton fits 4.25" – 7.25"
- Modular trolley frame allows hook-on, plain rigid, geared, and motorized configurations in the field
- Motorized trolley has automatic disc brake
- Low air consumption at only 35 scfm on motorized versions

Options

- Solid bronze wheels for maximum spark resistance
- Wide flange kit for 3-ton fits 6" – 12"
- Hook-on adapters
- Lug adapters for rigid-mounting Ingersoll Rand hoist

TIR Series Trolley Specifications

Trolley Type	Capacity		Min. Curve Radius in	Standard Flange Adj. in	Hand Chain/Pendent Drop ft	Trolley Weight lb
	lb	metric tons				
TIR6600 TROLLEY SERIES						
Plain hook-on	550 - 6,600	0.25 - 3	42	3.3 - 6	N/A	31
Plain rigid	550 - 6,600	0.25 - 3	42	3.3 - 6	N/A	34
Geared hook-on	550 - 6,600	0.25 - 3	42	3.3 - 6	7	34
Geared rigid	550 - 6,600	0.25 - 3	42	3.3 - 6	7	37
Motorized	550 - 6,600	0.25 - 3	42	3.3 - 6	7	35
Plain	550 - 6,600	0.25 - 3	42	3.3 - 6	N/A	25
TIR132 TROLLEY SERIES						
Plain hook-on	9,900 - 13,200	4.5 - 6	60	4.3 - 7.3	N/A	154
Plain rigid	9,900 - 13,200	4.5 - 6	60	4.3 - 7.3	N/A	150
Geared hook-on	9,900 - 13,200	4.5 - 6	60	4.3 - 7.3	7	157
Geared rigid	9,900 - 13,200	4.5 - 6	60	4.3 - 7.3	7	153
Motorized	9,900 - 13,200	4.5 - 6	60	4.3 - 7.3	7	155



TIR6600 plain trolley



TIR6600 motorized trolley

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TIR Series Flange and Adapters Kits

Flange Kits	Flange Width (in)	Part Number
Standard	3.3 - 6	49558
Wide	6 - 12	49559
Adapter Kits	Option Code	Part Number
Hook-on	H	TIR-426
90° Trolley Adapter*		43111

*Used to mount any 7790 Series hoist parallel to suspension beam. Adapter increases headroom dimension by 1.625 inches.

Motorized Trolley Specifications

Hoist Capacity lb	metric tons	Trolley Speed On Beam* fpm
550	0.25	95
1,100	0.50	93
2,200	1	88
3,300	1.50	84
4,400	2	80
6,600	3	71
9,900	4.50	60
12,000	6	45

Note:

*Beam in good condition.

► HOW TO ORDER

Example: TIR6600S-G08DP

TIR	6600	S	-	G	08	D	P
Series	Capacity	Standard or S*COR*E	Type	Chain or pendent length	Flange width (in)	Suspension type	
TIR RT	6600 = 6,600 lb/ 3 ton 132 = Standard 010 = 2,200 lb/ 1 ton	S = Standard cast iron wheels B = Standard bronze wheels for S*COR*E features	P = Plain trolley ⁽¹⁾ G = Hand chain gear driven 0 = Vane motor air driven, no pendent 2 = Vane motor air driven, 1 motor pendent ⁽²⁾ 3 = Vane motor air driven, 2 motor pendent ⁽²⁾ 4 = Vane motor air driven, 3 motor pendent ⁽²⁾	07 = 7 ft (standard for pendent) 08 = 8 ft (standard for hand chain) XX = Specify length in feet 00 = No pendent or hand chain or a plain trolley	A = Fits 3 ton (3.3 - 6) 6 ton (4.3 - 7.3) D = Fits 3 ton (6 - 12) 6 ton (N/A)	P = Plain (without lug) ⁽¹⁾ A = 7790 plain, no adapter E = 7700 0.25-1 ton to TIR6600 adapter J = HLK 1 and 1.5 ton lug adapter ⁽¹⁾ K = HLK 2 and 3 ton lug adapter ⁽¹⁾ H = Hook adapter (3 and ton TIR6600 only) M = MLK to TIR6600 lug adapter (TIR6600 only) R = 7700 0.25-1 ton to RT adapter S = Palair to TIR6600 rigid lug adapter T = Palair to RT rigid lug adapter	

NOTE:

(1) Required to install TIR6600 trolley on HLK1-3t hoist with top lug manufactured July 1995 or before, or to convert any hook mount to rigid trolley.

(2) Standard pendants are full flow for the TIR trolley. Pilot and full flow for the second and third function. If control length exceeds 20 ft, quick exhaust valves are required. See table and associated pricing, as with the MTK tractor.

