

THV “Lo-Pro” Series Manual Chain Hoist



1/2 – 10 metric ton Lifting Capacity

Features:

Low headroom “Army Style” type trolley hoist

- Utilizes our premium VL2 hoist with a “low profile” trolley.
- All steel construction for external impact resistance.
- Forged steel alloy load hooks with non-slip design have extra wide throat openings for easy rigging.
- Premium grade 100 alloy steel load chain.
- Contour trolley wheel design provides maximum beam contact on flat or tapered beams.
- Thrust bearing bottom block helps prevent chain twisting or kinking.
- Overload Protection to deter and reduce downtime and repair costs resulting from abuse.
- Needle bearings reduce friction and provide low hand chain pull.
- Overload clutch.

Options:

- Spark and corrosion resistant models available.
- Trolley shaft extensions for wider flanges.
- Trolley lugs and rubber bumpers.
- Chain containers.
- Choice of plain or geared trolleys.
- Variable lengths of lift for special requirements.
- Special inquiries invited.
- Bullard bottom hooks for single fall models only.



THV Series Specifications

Model no.	Capacity		Pull to lift rated load lbs	Chain o’hauled to lift load 1 ft	Net wt of chain per ft of lift lbs	No. of chain falls	Load chain size mm	Ship wt w/10 ft of lift lbs in.	Std flange adjustment in.	Shipping wt trolley type lbs	
	metric tons	lbs								Plain	Geared
THV005	1/2	1100	55	25	.95	1	5.0 x 15.0	15	2.5 – 5	35	38
THV010	1	2200	73	39	1.16	1	6.3 x 19.2	29	2.5 – 5	50	54
THV020	2	4400	76	75	1.51	1	8.0 x 24.2	37	3 – 5	90	96
THV030	3	6600	76	116	2.08	2	7.1 x 21.2	44	3 – 5	120	128
THV050	5	11000	85	187	3.00	2	9.0 x 27.2	55	3 – 5	205	255
THV080	8	18000	90	281	4.21	3	9.0 x 27.2	60	4 – 6	385	420
THV100	10	22000	90	375	5.42	4	9.0 x 27.2	60	4 – 6	455	480

Note:

Standard lift 10

Standard hand chain length for hoist and trolley is 2 feet less than lift.

THV Series Dimensions (in.)

Base model	A (min)	C	D	E	F	G	H	I
THV005	10 ⁵ / ₈	10	4 ¹ / ₂	5 ¹ / ₂	³ / ₄	1 ¹ / ₁₆	1 ¹ / ₂	4 ¹ / ₄
THV010	12 ¹¹ / ₁₆	10	4 ¹ / ₂	5 ¹ / ₂	⁷ / ₈	1 ¹ / ₈	1 ¹ / ₂	4 ¹ / ₄
THV020	15 ³ / ₁₆	12 ⁵ / ₈	5 ³ / ₈	7 ¹ / ₈	1 ³ / ₈	1 ¹ / ₂	1 ¹ / ₈	5
THV030	17 ³ / ₈	14	6 ¹ / ₄	7 ⁷ / ₈	1 ¹ / ₂	1 ⁵ / ₈	1 ¹ / ₂	5 ³ / ₄
THV050	21 ¹ / ₂	17 ¹ / ₂	7	10 ¹ / ₂	1 ⁷ / ₈	1 ³ / ₄	1 ⁷ / ₁₆	6 ⁵ / ₈
THV080	26 ³ / ₄	20 ¹ / ₂	7 ³ / ₄	9 ⁷ / ₈	2 ⁷ / ₈	2 ¹ / ₂	1 ³ / ₁₆	7 ³ / ₈
THV100	27 ⁵ / ₈	20 ¹ / ₂	7 ³ / ₄	9 ⁷ / ₈	2 ⁷ / ₈	2 ¹ / ₂	1 ³ / ₁₆	7 ³ / ₈

THV Series Dimensions (in.) continued

Base model	J	K	L	N	P	Q	R	T ¹
THV005	2 ³ / ₄	b + 1 ⁷ / ₈	1 ³ / ₈	b - 1 ⁷ / ₈	2 ³ / ₄	6 ¹ / ₄	1 ¹ / ₂	11 ⁵ / ₈
THV010	2 ³ / ₄	b + 1 ⁷ / ₈	1 ³ / ₈	b - 1 ⁷ / ₈	2 ³ / ₄	6 ³ / ₈	5 ⁵ / ₈	11 ⁵ / ₈
THV020	3 ³ / ₈	b + 2	1 ¹ / ₂	b - 2 ¹ / ₈	3 ¹ / ₂	7 ¹ / ₄	7 ⁷ / ₈	11 ⁵ / ₈
THV030	4	b + 2 ¹ / ₈	1 ⁵ / ₈	b - 2 ³ / ₈	3 ¹ / ₈	6 ³ / ₄	1 ¹ / ₈	12
THV050	4 ³ / ₄	b + 2 ³ / ₄	2 ¹ / ₈	b - 2 ⁷ / ₈	3 ¹ / ₂	7 ¹ / ₂	1 ³ / ₈	14 ¹ / ₂
THV080	6 ¹ / ₈	b + 3 ¹ / ₄	2 ³ / ₈	b - 3 ¹ / ₂	4	8 ¹ / ₄	2 ¹ / ₈	18 ³ / ₄
THV100	6 ¹ / ₈	b + 3 ¹ / ₄	2 ³ / ₈	b - 3 ¹ / ₂	4	8 ¹ / ₄	2 ¹ / ₈	18 ³ / ₄

Note:

(1) Applicable for geared trolleys only.

