

ULM2/S “Ultra-Lo” Series Manual Chain Hoist



1/4 – 25 US Ton Lifting Capacity

Features:

Ingersoll-Rand’s ULM2 and ULM2S have been designed to offer our lowest headroom possible, maximizing lifting capacities for areas with height restrictions.

- All steel construction for external impact resistance.
- Forged steel load hooks.
- Chill-hardened, machine tread trolley wheels with 2 precision bearings per wheel.
- Swivel trolleys available to travel extremely tight radius, (as tight as 21 feet) for track without sacrificing headroom for capacities up to 6 ton.
- Custom built for easy installation.
- Low headroom capacities available from 1/4 through 25 ton.
- 2 roller thrust bearings used in trolley capacities 3 tons and larger for longer life and reliability.
- Corrosion resistant zinc plated hand chain.
- Designed and built to ANSI B30.16.

Options:

- Stainless steel and bronze parts available for spark resistant features.
- Corrosion resistant finish.
- Overload clutch for all capacities.
- Chain container for all capacities and all lifts up to 50 feet.
- Track clamps.
- Hand wheel extensions.
- Zinc plated load chain.



ULM2 and ULM2S Series Specifications

Model no.	Capacity		Pull to lift rated load lbs	Chain o’hailed to lift load 1 ft	No. of chain falls per side	Load chain size mm	Straight track flange adj in.	Min curve radius in.	Max width for min curve radius in.	Ship wt trolley type lbs	
	US tons	lbs								Plain	Geared
ULM2 Series											
ULM2-015	1½	3000	41	87	1 x 1	7.14	3.33-8.00	78	–	207	230
ULM2-020	2	4000	54	87	1 x 1	7.14	3.33-8.00	78	–	210	233
ULM2-030	3	6000	42	176	2 x 2	7.14	4.00-8.00	78	–	305	355
ULM2-040	4	8000	56	176	2 x 2	7.14	4.00-8.00	90	–	308	340
ULM2-050	5	10000	79	165	1 x 1	13.49	4.63-8.00	102	–	574	633
ULM2-060	6	12000	94	165	1 x 1	13.49	4.63-8.00	102	–	574	633
ULM2-080	8	16000	64	355	2 x 2	9.53	4.63-8.00	114	–	650	773
ULM2-100	10	20000	87	330	2 x 2	13.49	5.00-8.00	–	–	1022	1105
ULM2-120	12	24000	104	330	2 x 2	13.49	5.00-8.00	–	–	1022	1105
ULM2-160	16	22000	68	710	4 x 2	9.53	5.00-8.00	–	–	1600	1681
ULM2-200	20	40000	87	732	4 x 2	13.49	6.00-8.00	–	–	1950	2110
ULM2-240	24	48000	104	732	4 x 2	13.49	6.00-8.00	–	–	1950	2110
ULM2-250	25	50000	104	732	4 x 2	13.49	6.00-8.00	–	–	1950	2110
ULM2S Series											
ULM2S003	¼	500	17	33	1 x 1	7.14	3.00-5.38	21	3.38	110	127
ULM2S005	½	1000	35	33	1 x 1	7.14	3.00-5.38	21	3.38	127	144
ULM2S010	1	2000	70	33	1 x 1	7.14	3.00-5.38	21	3.38	127	144
ULM2S015	1½	3000	57	66	2 x 2	7.14	3.31-6.00	30	4.00	245	267
ULM2S020	2	4000	76	66	2 x 2	7.14	3.31-6.00	30	4.00	251	270
ULM2S030	3	6000	42	170	2 x 2	7.14	4.00-6.00	42	5.88	345	375
ULM2S040	4	8000	58	170	2 x 2	7.14	4.00-6.00	48	5.88	350	380
ULM2S050	5	10000	73	170	2 x 2	7.14	4.63-8.00	48	7.88	466	496
ULM2S060	6	12000	90	170	2 x 2	7.14	4.63-8.00	48	7.88	466	496

Note:
Standard lift is 8 ft.
Maximum flange thickness for ULM2S003–030 is 1/2 in., ULM2S040–060 is 5/8 in.

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ULM2 and ULM2S Beam Flange Chart (in.)

Plain and geared trolleys for straight and curved track

	Capacity US Tons	Fits flange width for straight track	Max flange width for min curve radius	flange thickness for radius min	max
ULM2 Series					
ULM2-015, ULM2-020	1 1/2, 2	3 3/8 – 8	–	–	–
ULM2-030, ULM2-040	3, 4	4 – 8	–	–	–
ULM2-050, ULM2-060, ULM2-080	5, 6, 8	4 5/8 – 8	–	–	–
ULM2-100, ULM2-120	10, 12	5 – 8	–	–	–
ULM2-160, ULM2-200	16, 20	5 1/2 – 8	–	–	–
ULM2-240, ULM2-250	24, 25	6 – 8	–	–	–
ULM2S Series					
ULM2S003, ULM2S005, ULM2S010	1/4, 1/2, 1	3 – 5 3/8	3 3/8	21	1/2
ULM2S015, ULM2S020	1 1/2, 2	3 3/8 – 6	4	30	1/2
ULM2S030, ULM2S040	3, 4	4 – 6	5 7/8	42	5/8
ULM2S050, ULM2S060	5, 6	4 5/8 – 8	7 7/8	48	7/8

Note:

Contact Technical Sales for wider beam flange applications.

ULM2 Series Dimensions (in.)

Capacity U.S. Tons	A (min)	B	C	D	E	E1	F	G	H	J	L	M	N ¹	P ²	R	S
1 1/2 & 2	6 1/4	20 3/8	10 3/16	10 3/16	5 1/8	5 1/8	8 3/4	8 1/4	5/8	1 1/8	1 1/8	4 1/2	1/2	6" I@ 12.5#	13 1/16	6
3	7 3/8	20 3/8	10 3/16	10 3/16	6 1/2	6 5/8	10 5/8	10 5/8	9/16	1 11/32	1 11/32	6 3/8	1/2	8" I@ 18.4#	13 1/16	8
4	8	20 3/8	10 3/16	10 3/16	6 1/2	6 5/8	10 5/8	10 5/8	9/16	1 11/16	1 11/32	6 3/8	1/2	8" I@ 18.4#	13 1/16	8
5 & 6	8 3/4	26 1/4	13 1/8	13 1/8	7 3/8	7 3/8	12	12	29/32	1 11/16	1 11/32	7 3/16	9/16	10" I@ 25.4#	16 1/2	9
8	11	26 1/4	13 1/8	13 1/8	8 3/8	8 3/8	14	13 1/2	9/16	2 1/16	1 11/16	8 1/4	9/16	10" I@ 25.4#	16 1/2	10
10 & 12	11 1/2	26 1/4	13 1/8	13 1/8	8 1/2	9 3/4	15 5/8	14 3/8	9/16	2 1/4	1 3/4	9 3/4	5/8	12" I@ 31.8#	16 1/2	11 11/16
16	13 5/8	30 3/8	15 3/16	15 3/16	11 7/8	11 7/8	18 5/8	18 5/8	9/16	3	2	11 3/4	3/4	15" I@ 42.9#	18 7/8	13 1/2
20, 24 & 25	17 1/4	30 3/8	15 3/16	15 3/16	12 1/8	12 3/8	19 1/4	19	3/4	3 5/8	2	11 3/4	5/8	18" I@ 54.7#	18 7/16	13 1/2

Note:

(1) At under beam roller

(2) Minimum standard I-Beam for proper wheel running clearance. Contact factory for smaller beams. Customer must verify their beam is adequate for applied loads.

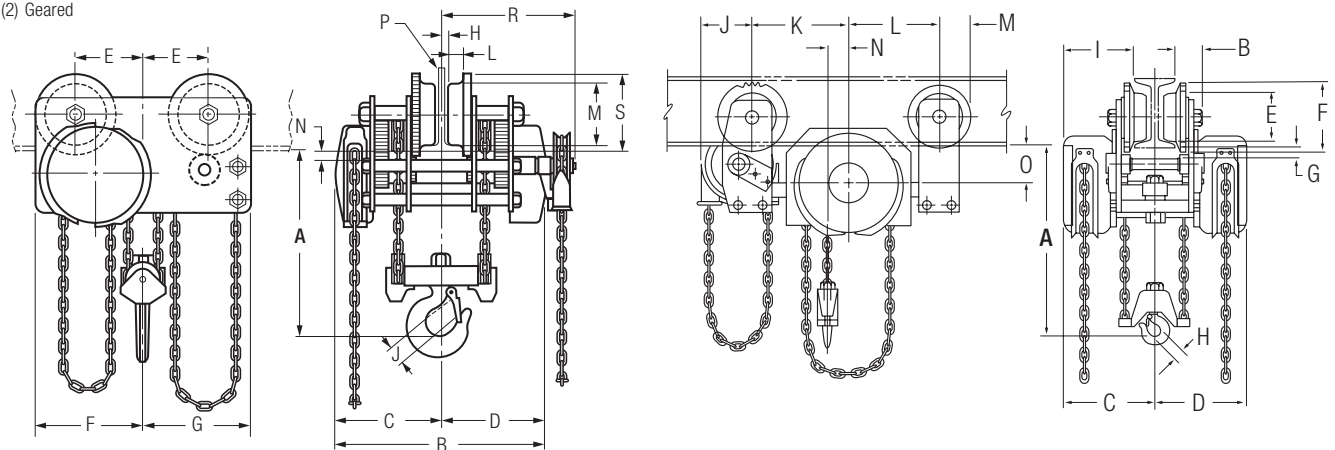
ULM2S series dimensions (in.)

Capacity U.S. Tons	A (min)	B	C	D	E	F	G ¹	G ²	H	I	J	K ²	L ²	M	N	O
1/4 thru 1	6 1/4	2	6 9/16	6 9/16	3 3/4	5	2 3/16	1 1/8	3 1/32	4 11/16	3 3/4	7 1/4	6 1/2	2 1/2	1 3/8	2 15/16
1 1/2 & 2	6 3/4	2 3/16	9 1/8	9 1/8	4 1/2	6	5/8	1 1/8	7 3/16	6 1/4	11 3/8	7 5/8	3	3	3	1 7/8
3	8 3/4	2 9/16	9 7/8	9 7/8	6 3/8	8	1 5/16	1 5/16	11 1/32	8 1/8	6 1/8	11 9/16	7 11/16	4	3	1 7/8
4	9 1/4	2 9/16	9 7/8	9 7/8	6 3/8	8	1 5/16	1 5/16	11 1/16	8 1/8	6 1/8	11 9/16	7 11/16	4	3	3 7/16
5 & 6	9 15/16	2 13/16	10 1/8	10 1/8	7 3/16	9	7/8	7/8	11 1/16	8 1/2	6 15/16	11 9/16	8 13/16	4 1/2	3	3 7/8

Note:

(1) Plain

(2) Geared



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ULM2S