JDN LOW HEAD-ROOM TROLLEYS

J·D·NEUHAUS
1745
275 years of excellence

JDN LOW HEADROOM TROLLEYS

THE TROLLEY SOLUTION FOR RESTRICTED HEADROOM AREAS. CAPACITIES: 0.5 T UP TO 6.3 T

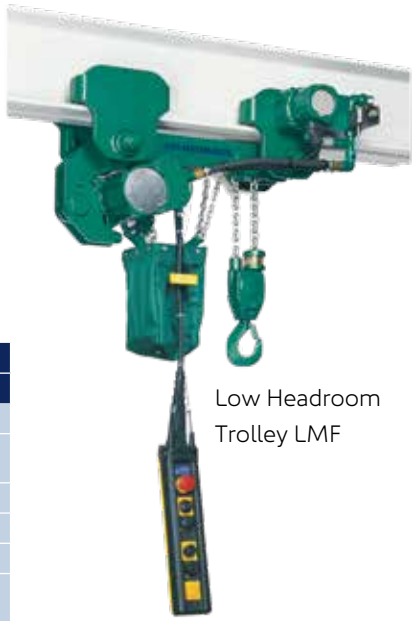
Where headroom is restricted and standard trolleys can't meet the lifting height requirements we recommend **JDN Low Headroom Trolleys** whereby our air hoists are mounted horizontally. When only very low headroom is available we recommend JDN Ultra-Low Monorail Hoist design.

STANDARD FEATURES

- Small number of maintenance/ wear free moving parts
- No additional motor lubrication required
- 2-step travelling speed
- Adjustable trolley widths to suit your requirements

SPECIAL FEATURES

- Able to negotiate curves
- Extended trolley tie bars for bulky or elongated loads



Low Headroom Trolley LMF

TECHNICAL DATA

Hoist Type		PROFI 05 TI	PROFI 1 TI	PROFI 2 TI	PROFI 3 TI	PROFI 6 TI
Trolley Type		**LMF 05-2 t**	**LMF 05-2 t**	**LMF 05-2 t**	**LMF 3.2 t**	**LMF 6.3 t**
Capacity	mt	0.5	1	2	3.2	6.3
Air pressure	psi bar	87 6	87 6	87 6	87 6	87 6
Number of chain strands		1	1	2	1	2
Motor output Hoist	kW	1	1	1	3.5	3.5
Motor output Trolley	kW	0.2	0.2	0.2	0.2	0.2
Lifting speed at full load	ft/min m/min	32.81 10	16.40 5	8.20 2.5	14.76 4.5	7.21 2.2
Lifting speed without load	ft/min m/min	55.77 17	32.81 10	16.40 5	29.52 9	14.76 4.5
Lowering speed at full load	ft/min m/min	55.77 17	36.09 11	18.04 5.5	35.43 10.8	17.72 5.4
Travelling speed at full load	ft/min m/min	29.53*/45.93 9*/14	29.53*/45.93 9*/14	29.53*/45.93 9*/14	29.53*/45.93 9*/14	29.53*/45.93 9*/14
Air consumption at full load – lifting	cfm m^3/min	42.38 1.2	42.38 1.2	42.38 1.2	141.26 4	141.26 4
Air consumption at full load – lowering	cfm m^3/min	52.97 1.5	52.97 1.5	52.97 1.5	194.23 5.5	194.23 5.5
Air consumption trolley motor	cfm m^3/min	21.19 0.6	21.19 0.6	21.19 0.6	21.19 0.6	21.19 0.6
Air connection		G ½	G ½	G ½	G ¾	G ¾
Hose dimension (Ø inside)	inch mm	½ 13	½ 13	½ 13	¾ 19	¾ 19
Weight with standard lift and control	lbs kg	216.05 98	218.26 99	231.59 105	462.97 210	727.53 330
Chain dimension	inch mm	0.28 x 0.83 7 x 21	0.28 x 0.83 7 x 21	0.28 x 0.83 7 x 21	0.51 x 1.42 13 x 36	0.51 x 1.42 13 x 36
Weight of chain	lbs/ft kg/m	0.67 1	0.67 1	0.67 1	2.6 3.8	2.6 3.8
Standard lift	ft m	10 3	10 3	10 3	10 3	10 3
Length of control at standard lift	ft m	6.5 2	6.5 2	6.5 2	6.5 2	6.5 2
Max. bottom flange thickness t	inch mm	0.98 25	0.98 25	0.98 25	1.38 35	1.38 35
Max. bottom flange width b	inch mm	12.20 310	12.20 310	12.20 310	12.20 310	12.20 310
Min. bottom flange width b	inch mm	3.15 80	3.15 80	3.15 80	4.92 125	4.92 125
Noise level at full load[1] – lifting	dB(A)	75	76	76	78	78
Noise level at full load[1] – lowering	dB(A)	78	78	78	80	80

*1st step at F-control with 2-step travelling speed, [1]Measured at 1 m distance acc. to DIN 45635 part 20

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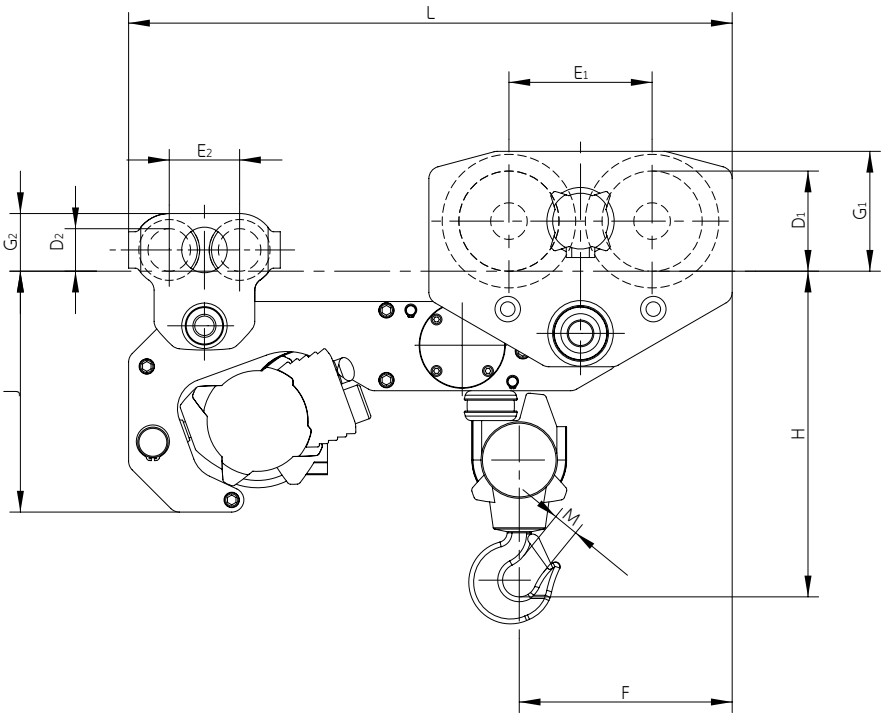

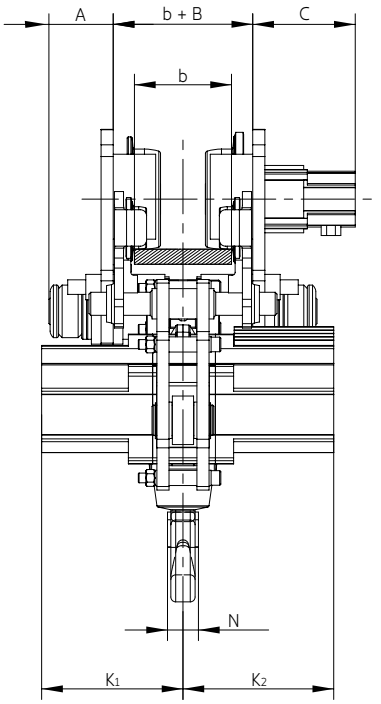

DIMENSIONS

Hoist Type		PROFI 05 TI	PROFI 1 TI	PROFI 2 TI	PROFI 3 TI	PROFI 6 TI
Trolley Type		**LMF 05-2 t**	**LMF 05-2 t**	**LMF 05-2 t**	**LMF 3.2 t**	**LMF 6.3 t**
A max.	inch	4.13	4.13	4.13	4.13	4.17
	mm	105	105	105	105	106
B	inch	1.42	1.42	1.42	1.42	2.76
	mm	36	36	36	36	70
b min.	inch	3.15	3.15	3.15	4.72	4.92
	mm	80	80	80	120	125
C	inch	6.46	6.46	6.46	6.46	6.65
	mm	164	164	164	164	169
D_1	inch	2.76	2.76	2.76	2.76	6.50
	mm	70	70	70	70	165
D_2	inch	2.76	2.76	2.76	2.76	2.76
	mm	70	70	70	70	70
E_1	inch	4.57	4.57	4.57	4.57	9.29
	mm	116	116	116	116	236
E_2	inch	4.57	4.57	4.57	4.57	4.57
	mm	116	116	116	116	116
F	inch	6.77	6.77	7.68	8.98	13.82
	mm	172	172	195	228	351
G_1	inch	3.74	3.74	3.74	3.74	7.76
	mm	95	95	95	95	197
G_2	inch	3.74	3.74	3.74	3.74	3.74
	mm	95	95	95	95	95
H min.	inch	13.98	13.98	16.89	16.34	21.14
	mm	355	355	429	415	537
J	inch	12.60	12.60	12.60	15.63	15.63
	mm	320	320	320	397	397
K_1	inch	5.71	5.71	5.71	9.17	9.17
	mm	145	145	145	233	233
K_2	inch	5.98	5.98	5.98	9.76	9.76
	mm	152	152	152	248	248
L	inch	28.15	28.15	28.15	32.48	39.17
	mm	715	715	715	825	995
M	inch	1.10	1.10	1.10	1.18	1.57
	mm	28	28	28	30	40
N	inch	1.65	1.65	1.65	1.65	2.01
	mm	42	42	42	42	51
t max.	inch	0.98	0.98	0.98	1.38	1.38
	mm	25	25	25	35	35