

# JDN LOW HEADROOM TROLLEYS



## The trolley solution for restricted headroom areas. Carrying capacities: from 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 horizontally mounted. 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

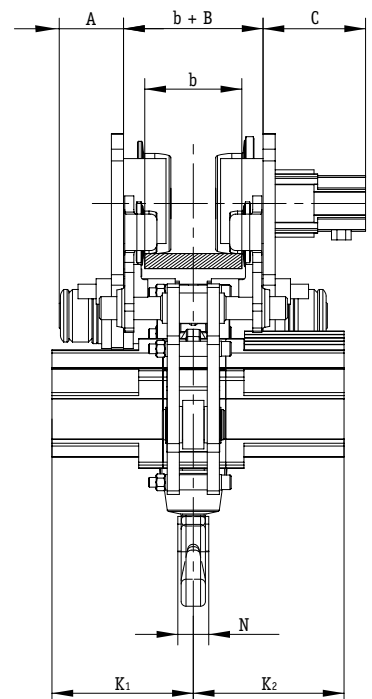
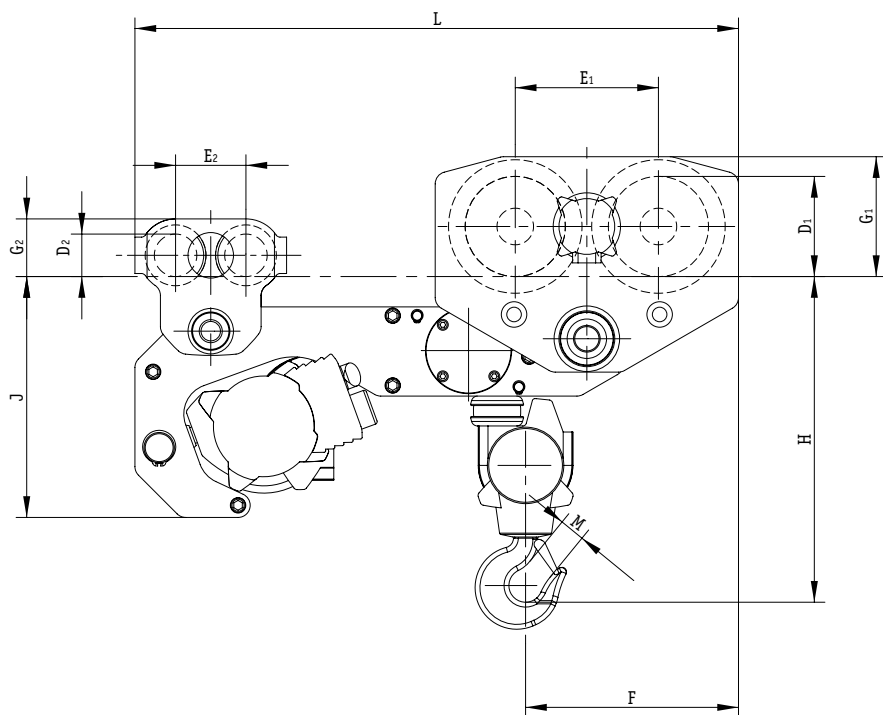
### Technical Data

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
Carrying capacity	mt	0.5	1	2	3.2	6.3
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
Air pressure	PSI bar	85 6	85 6	85 6	85 6	85 6
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 <sup>3</sup> /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 <sup>3</sup> /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 <sup>3</sup> /min	21.19 0.6	21.19 0.6	21.19 0.6	21.19 0.6	21.19 0.6
Air connection		G 1/2	G 1/2	G 1/2	G 3/4	G 3/4
Hose dimension (Ø inside)	inch mm	0.51 13	0.51 13	0.51 13	0.75 19	0.75 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 <sup>1</sup> - lifting	dB(A)	75	76	76	78	78
Noise level at full load <sup>1</sup> - lowering	dB(A)	78	78	78	80	80

\*1st step at F-control with 2-step travelling speed, <sup>1</sup>Measured at 1m distance acc. to DIN 45635 part 20



**J.D. NEUHAUS**  
powered by air!



## 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 mm	4.13 105	4.13 105	4.13 105	4.13 105	4.17 106
B	inch mm	1.42 36	1.42 36	1.42 36	1.42 36	2.76 70
b min.	inch mm	3.15 80	3.15 80	3.15 80	3.15 80	4.92 125
C	inch mm	6.46 164	6.46 164	6.46 164	6.46 164	6.65 169
D <sub>1</sub>	inch mm	2.76 70	2.76 70	2.76 70	2.76 70	6.50 165
D <sub>2</sub>	inch mm	2.76 70	2.76 70	2.76 70	2.76 70	2.76 70
E <sub>1</sub>	inch mm	4.57 116	4.57 116	4.57 116	4.57 116	9.29 236
E <sub>2</sub>	inch mm	4.57 116	4.57 116	4.57 116	4.57 116	4.57 116
F	inch mm	6.77 172	6.77 172	7.68 195	8.98 228	13.82 351
G <sub>1</sub>	inch mm	3.74 95	3.74 95	3.74 95	3.74 95	7.76 197
G <sub>2</sub>	inch mm	3.74 95	3.74 95	3.74 95	3.74 95	3.74 95
H min.	inch mm	12.60 320	12.60 320	15.51 394	16.34 415	21.14 537
J	inch mm	12.60 320	12.60 320	12.60 320	15.63 397	15.63 397
K <sub>1</sub>	inch mm	5.71 145	5.71 145	5.71 145	9.17 233	9.17 233
K <sub>2</sub>	inch mm	5.98 152	5.98 152	5.98 152	9.76 248	9.76 248
L	inch mm	28.15 715	28.15 715	28.15 715	32.48 825	39.17 995
M	inch mm	1.10 28	1.10 28	1.10 28	1.18 30	1.57 40
N	inch mm	1.65 42	1.65 42	1.65 42	1.65 42	2.01 51
t max.	inch mm	0.98 25	0.98 25	0.98 25	1.38 35	1.38 35