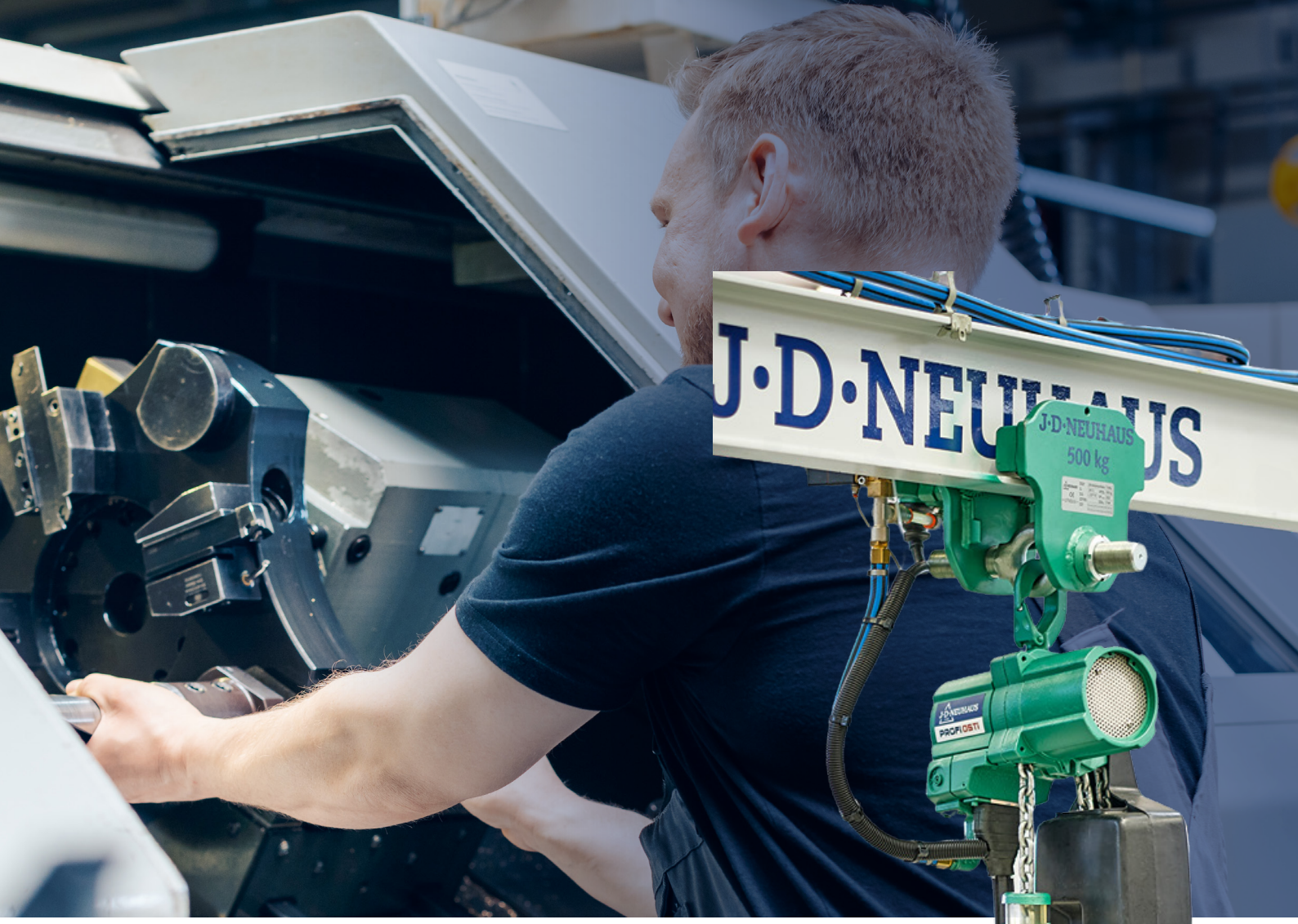


AIR HOISTS

JDN TROLLEYS

Robust – Reliable – Low maintenance
The trolleys for the PROFI series

J·D·NEUHAUS
1745
permanent excellence

JDN TROLLEYS FOR THE PROFI SERIES 0,25T - 20T

JDN-Laufkatzen are available for all hoists of the PROFI series:

- Manual trolleys (LN) for pushing or pulling the trolleys by hand
- Reel chain trolleys (LH) for moving the trolleys by operating the reel chain mechanism
- Motorised trolley (LM) air motor powered

Standard Features:

- Easy to install
- With anti-climb and anti-drop devices
- Robust manufacture requiring little maintenance
- Able to negotiate curves

Options:

- Rack and pinion drive*1
- Spark-resistant package*2
- Offshore paint*2

Energy Feeding Systems
The air supply can be fed by various systems::

- Energy chain
- C-rail
- Square rail
- Spiral hose
- Hose trolleys

[1] From LM 3,2 t upwards
[2] Not available for LN 1 t



J.D. NEUHAUS – MORE THAN PRODUCTS

As a family-run company in its seventh generation, our commitment to clear values helps us achieve the standard of "Permanent Excellence" that we have held ourselves to for over 275 years.

The three value pairs of tradition and innovation, performance and longevity as well as partnership and passion create the foundation for our daily activities. They shape our partnership with the people who work for us, as well as with our partners and customers. They are found in the quality and German engineering of our products, and in the way we work with you and find new solutions thanks to our innovative spirit.

Our thinking is guided by sustainability, which we believe our future urgently needs and, of course, deserves.



TECHNICAL DATA

TYPE		025 TI	05 TI	1 TI	1.5TI	2 TI	3 TI/2	3 TI	6 TI	10 TI	16 TI	20 TI
Capacity of trolley LN	mt		1[6]		2		3.2		6.3	10-16		-
Capacity of trolley LH and LM	mt		2				3.2		6.3	10-16		20
Capacity of hoist with trolley	mt	0.25	0.5	1	1.6	2	3.2		6.3	10	16	20
Weight of Manual Trolley (LN)	lbs kg		23.1 10.5		39.6 18		57.3 26		257.9 117	418.9 190		-
Weight of Reel Chain Trolley (LH)	lbs kg		57.3 26				81.6 37		280 127	485 220		628.3 285
Weight of Motor Trolley (LM)	lbs kg		57.3 26				72.8 33		273.4 124	485 220		628.3 285
Hoist weight, standard lift	lbs kg	59.5 27	59.5 27	61.7 28	123.5 56	75 34	145.5 66	189.6 86	242.5 110	344 156	529 240	628.3 285
Total weight with standard lift Manual Trolley	lbs kg	82.7 37.5	82.7 37.5	84.9 38.5	163.1 74	114.6 52	202.8 92	246.9 112	500.4 227	762.8 346	948 430	-
Total weight with standard lift Reel Chain Trolley	lbs kg	116.8 53	116.8 53	119.1 54	180.8 82	132.3 60	227.1 103	271.1 123	522.5 237	829 376	1014 460	1257 570
Total weight with standard lift Motor Trolley	lbs kg	116.8 53	116.8 53	119.1 54	180.8 82	132.3 60	218.3 99	262.4 119	515.9 234	829 376	1014 460	1257 570
Weight of chain	lbs/ft kg/m		0.67 1		1.2 1.8	0.67 1	1.2 1.8	2.6 3.8		3.9 5.8		
Chain dimension	mm		7x21		9x27	7x21	9x27	13x36		16x45		
Number of chain strands			1			2		1	2		3	4
Air pressure Motor Trolley	psi bar		87 6		60-87 4-6	87 6	60-87 4-6	87 6				
Air consumption Motor Trolley[4]	cfm m³/min				21.2 0.6					45.9 1.3		
Air consumption hoist	cfm m³/min		53 1.5		53-92 1.5-2.6	53 1.5	53-92 1.5-2.6	194.2 5.5				
Motor output Motor Trolley[4]	kW				0.2					0.7		
Motor output hoist	kW		1		1.3-2	1	1.3-2	3.5				
Track reeled off at 10 m hand chain	ft m				4.6 1.4					3.6 1.1		3.3 1.0
Travelling speed Motor Trolley[4]	ft/min m/min				29.5*/45.9 9*/14					16.4*/39.4 5*/12		
Hose connection Motor Trolley			G ½		G ¾	G ½	G ¾					
Minimum radius Manual Trolley	ft m		3.3[1] 1.0[1]		3.9[1] 1.2[1]		2.6[2] 0.8[2]		6.6[2] 2[2]			-
Minimum radius Reel Chain Trolley and Motor Trolley	ft m		2[2] 0,6[2]				2.6[2] 0,8[2]		6.6[2] 2[2]			8.2[2] 2,5[2]
Max. bottom flange thickness t Manual Trolley	inch mm		1.0 25		1.1 28		1.6 40		2.6[5] 65[5]			-
Max. bottom flange thickness t Reel Chain and Motor Trolley	inch mm				1.6 40					2.6[5] 65[5]		
Max. bottom flange width b Manual Trolley	inch mm		8.7 220		12 305			12.2 310				-
Max. bottom flange width b Reel Chain and Motor Trolley	inch mm		11 280				12.2 310					
Min. bottom flange width b Manual Trolley	inch mm		2.3 58		2.6 66		2.3 58	2.1 54	5 128			-
Min. bottom flange width b Reel Chain and Motor Trolley	inch mm		2.2 56				2.3 58	2.1 54	5 128			5.8 148
Noise level at Motor Trolley[3,4]	dB(A)						80					

*1. st speed of F control with two speeds
[1] Measured at the middle of the beam
[2] Measured at the inner edge of the beam
[3] Measured at 1 m distance acc. to DIN 45635 part 20
[4] At 6 bar
[5] 55mm, if hoist is suspended
[6] LN 1 t not available with spark-resistant package

The designation of the trolley is composed of the short code (LN, LH, LM) and the carrying capacity acc. to table, as for example LN 1 t.

- Capacities over 20 t see JDN Monorail Air Hoists on request
- Versions with one and two hooks (e.g. BBH) on request
- Low Headroom Trolleys for restricted headrooms on request

SERVICE-PARTNERSHIP AND DIALOGUE

For all of our customers in a variety of demanding industries and processes, JDN PROFI hoists and trolleys are synonymous with high performance, absolute reliability, maximum availability and minimum maintenance times – all with maximum safety.

Feedback from the market shows us how much our customers value the PROFI series as a reliable tool. However, to continue to develop our products for industries, sectors or special application areas, we remain in close dialogue with our customers. We would like to invite you to join this group. Perhaps you would also like advice on the application or customisation options for our PROFI hoists, such as our largest equipment with a loadcarrying capacity of 25 to 100 t?

Our experienced Global Project Team would be happy to discuss individual enquiries with you.

Please do not hesitate to contact us for more information. Our sales, project management and service staff would be happy to help.

J.D. Neuhaus Group

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