



Shown with optional FI control

## TI Series JDN Flameproof Air Hoists

Capacities: 500kg to 100 tonnes

J.D. Neuhaus (JDN) has been manufacturing lifting equipment since 1745 and its pneumatic hoists are one of the safest and most cost efficient methods of pulling, lifting or lowering above or below ground where explosive atmospheres may occur.

### FEATURES

- Manufactured in Germany under strict quality control and demanding tolerances
- Low maintenance design delivers 100% duty cycle in all environmental conditions
- Only six atmospheres of compressed air required
- Immune to dust, mud, dirt, grit, heat, vapours etc.
- Self-cooling pneumatic motor will not overheat
- Fail safe brake in case of air supply failure
- Ideal or use in mines, chemical plants, paint shops etc.
- Available with push, geared or air trolley



Mini 1000 Air Hoist The JDN economy series also available

Model Code No.		0.5TS	1TS	2TS	3TI	6TI	10TI	16TI	20TI	25TI	37TI	50TI	100TI
Lifting Capacity	tonnes	0.5	1	2	3.2	6.3	10	16	20	25	37.5	50	100
Number of chain strands		1	1	2	1	2	2	3	4	2	3	4	4
Motor output	kW	1.0	1.0	1.0	3.5	3.5	3.5	3.5	3.5	6	6	6	10.0
Weight at standard lift (3m)	kg	27	28	34	86	110	156	240	285	498	880	855	2460
Weight of 1m chain	kg	1.0	1.0	1.0	3.8	3.8	5.8	5.8	5.8	10.8	10.8	10.8	21.3
Chain dimension	mm	7x21	7x21	7x21	13x36	13x36	16x45	16x45	16x45	22x66	22x66	22x66	31.5x90
Air pressure	bar	6	6	6	6	6	6	6	6	6	6	6	6
Air consumption at full load	Lifting	1.2	1.2	1.2	4.0	4.0	4.0	4.0	4.0	5.5	5.5	5.5	11.0
	Lowering	1.5	1.5	1.5	5.5	5.5	5.5	5.5	5.5	6.5	6.5	6.5	12.0
Air Connection		G <sup>1/2</sup>	G <sup>1/2</sup>	G <sup>1/2</sup>	G <sup>3/4</sup>	G <sup>3/4</sup>	G <sup>3/4</sup>	G <sup>3/4</sup>	G <sup>3/4</sup>	G1	G1	G1	G1 <sup>1/2</sup>
Lifting speed at full load	m/min	17	11	5.5	5	2.5	1.6	1	1.6	1.1	0.65	0.45	0.35
Lifting speed without load	m/min	19	11	5.5	10	5	3.2	2	1.4	2.3	1.6	1.3	0.7
Lowering speed at full load	m/min	17	11	5.5	10.8	5.4	3.4	2.1	0.7	1.9	1.5	1.4	0.8
Smallest headroom	mm	395	410	544	593	674	813	893	1090	1282	1466	1700	2200

Other lift heights are available.

**COMPLIES WITH AS1418.2**

**JDN Air Winches**  
also available.



**Profi-Lifter**  
1000-1800kg capacity  
Durable steel structure