



# JDN GENERAL CATALOGUE





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## THE COMPANY

At its Witten location, J.D. Neuhaus with 160 employees produces hoists and crane systems which are mainly driven by compressed air.

Thanks to this globally unique specialisation and our more than 50-years of expertise with compressed air as a drive medium, we have become a recognised expert in the field. Today, our share of exports is 80 %. In total, we export to more than 90 countries around the globe. Our sales companies in the USA, Great Britain, France and Singapore support our customers at local level.

J.D. Neuhaus air hoists and hydraulic

hoists are now used in more than 70 different industries. Demand for our products is particularly high in the oil and gas exploration and processing sectors, in the food industry, the chemical industry and heavy plant construction.

The complete JDN production range includes a total of 12 product lines, which are precisely adapted to their respective areas of application and requirements in terms of load capacity. Moreover, we consistently set new standards with customised solutions for exceptional applications.



## ENVIRONMENTAL PROTECTION AND QUALITY

Starting with the development and production of our products, we place great value on ecological compatibility. Long service life and recyclability already make an important contribution towards relieving the environmental burden.

Furthermore, our production has been adapted to minimise energy consumption, emissions, sewage and waste; it also uses environmentally-compatible production processes and materials. Resources are used sparingly and waste is recycled wherever possible.

One of the most important commitments of the J.D. Neuhaus management is to promote awareness, openness and a sense of responsibility among employees in order to establish conditions favourable to the implementation of our environmental guidelines. We have also made environmental protection a permanent feature of our employee training courses.

In December 2009 we received ISO 14001 certification from the TÜV Rheinland Technical Control Association for our extensive environment management system.

Our quality management system covers all our processes, from planning and design through to production and customer service. It is also certified by the TÜV Rheinland according to ISO 9001.



# THE HIGHEST BENCHMARK IN HOISTING TECHNOLOGY

## THE JDN MINI

The JDN Mini is the most compact hoist, with a carrying capacity of up to 980 kg and an integrated NFC Tag with service app that makes it truly unique in the industry. Various innovations came together for the concept.

### **Developed in collaboration with customers**

To make the JDN Mini the best hoist on the market, we have blazed new trails in

development, and it took us straight to the customer. Or rather: to many customers. We asked how the perfect hoist has to work. We studied a wide variety of different conditions of use on-site and had discussions with end-users. Our engineers took this knowledge and used it to get the ball rolling. This unique process allowed us to achieve truly exceptional results! Maximum productivity, occupational safety, and efficiency. A hoist that the customer can flexibly config-

ure as desired to meet the demands of the specific application. A hoist that is unrivalled in its comfort and ease of use. A hoist that offers extensive time savings in maintenance. A hoist that we can truly say: The highest benchmark in hoisting technology.



### **MAXIMUM EFFICIENCY PLEASE.**

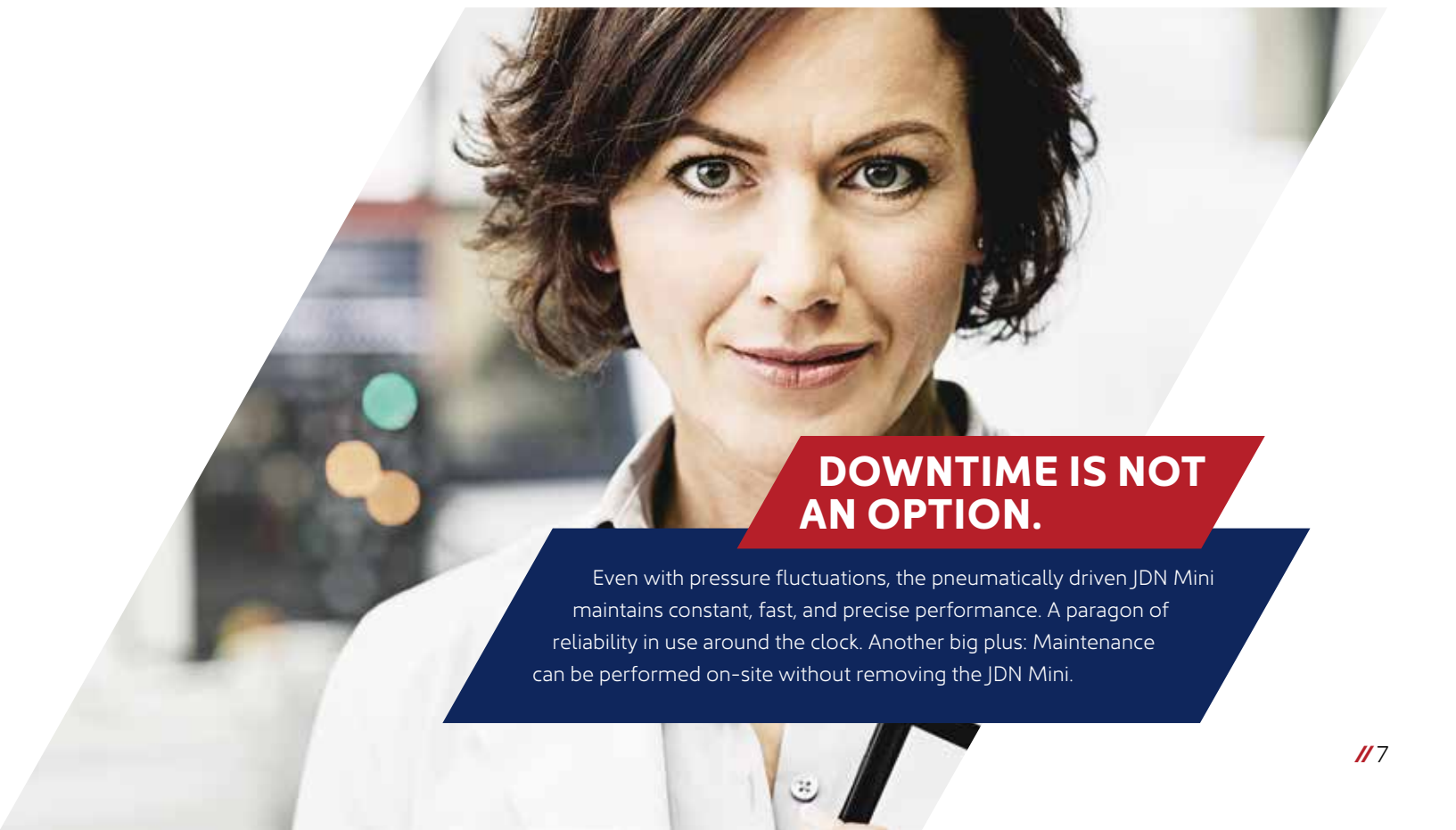
With a higher working speed, considerably longer lifetime, and drastically reduced downtimes for maintenance, the JDN Mini offers the lowest TCO values out there (Total Cost of Ownership).





## **SAFETY? THAT'S OUR TOP PRIORITY!**

Best example: the optional redundant support of the JDN Mini. A brand new innovation on the world market developed to meet demand from specific customer segments. It will react if the structure on which the Mini is mounted fails.



## **DOWNTIME IS NOT AN OPTION.**

Even with pressure fluctuations, the pneumatically driven JDN Mini maintains constant, fast, and precise performance. A paragon of reliability in use around the clock. Another big plus: Maintenance can be performed on-site without removing the JDN Mini.

# THIS IS WHAT MAKES THE MINI THE HIGHEST BENCHMARK IN HO

## MORE SAFETY



When it comes to safety, the JDN Mini offers a new global innovation that meets the needs of a specific customer segment: A redundant optional fall support capable of holding the maximum capacity of a hoist coming free of the supporting structure. The limit switches offer another safety bonus. They will switch off the lifting and lowering movement as soon as the bumper touches the stop valve. This slows the movement and keeps the chain from being overloaded. All of these features enhance occupational safety significantly and minimise safety hazards and wear risks.

Its intelligent construction increases the number of operating hours of the JDN Mini through targeted optimisation to 800 hours, thus doubling the amount of time. This considerably enhances its efficiency in comparison to the previous model. Doubling the lifetime makes a significant contribution to the reduction of the total cost of ownership (TCO), since the extended service life means that new devices are purchased much less frequently to replace units that have reached the end of their service life.



## LONGER LIFETIME

## SENSITIVE CONTROL



J.D. Neuhaus has succeeded in bringing together the advantages of direct and indirect control. So the control is now connected with the casing via a single hose with pull relief, bundling three control lines inside. This enhances operating comfort and flexibility. Added to this are the completely new precision valves, enabling even more precise dosing of the air supply and thus making it possible to lift and lower loads smoothly.

The smartest new development in the area of maintenance is the NFC Tag integrated into the service flap. The user can access the operating instructions and certificates for the hoist by getting on a smartphone and using the JDN service app. Much of the maintenance work such as lubricating the motor chamber, exchanging the chain guide, and even exchanging the motor unit can now be carried out on the JDN Mini "on the hook" – without dismantling the Mini. This also saves an incredible amount of time and increases occupational safety.



## EASY MAINTENANCE







### HIGHER SPEED

The JDN Mini 500 will reach a maximum lifting speed of 12 m/min at full load (500 kg). This makes it up to 20 % faster than its predecessor – even when it is in constant use and with double lifetime! It doesn't get more productive than that. The maximum speed can also be continuously preset, so reduced, without losing power at a given carrying capacity. This can protect loads even more when necessary and, at the same time, the speed can also be more finely managed.



### CUSTOM-FIT CONFIGURATION

The JDN developers have also come up with some innovative ideas when it comes to flexibility: A standardised "interface" for using various types of hooks. Hooks are also available in steel and stainless steel. Together with a load sleeve and chain made of stainless steel as well as a motor housing of uncoated cast aluminium the JDN Mini is perfect for use in fields such as the food industry.



## TECHNICAL DATA

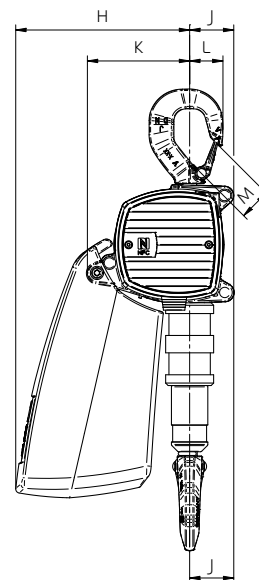
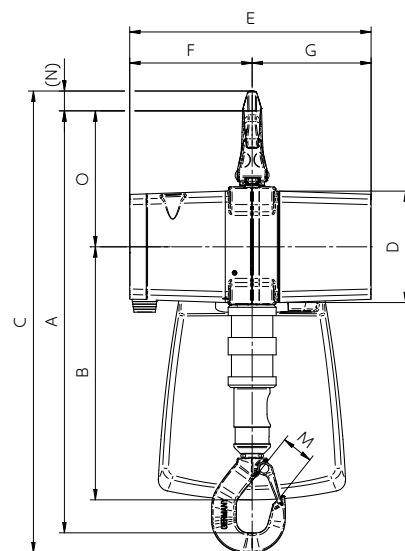
Type		mini 125	mini 250	mini 500	mini 1000
Air pressure	psi bar	87 6	87 6	87 6	87 6
Carrying capacity	lbs kg	275 125	550 250	1100 500	2160 980
Number of chain strands		1	1	1	1
Engine output at full load	kW	0.45	0.45	1	1
Lifting speed at full load	ft/min m/min	65.5 20	32.8 10	41 12.5	20.7 6.3
Lifting speed without load	ft/min m/min	131 40	65.5 20	65.5 20	37.7 11.5
Lowering speed at full load	ft/min m/min	131 40	65.5 20	65.5 20	39.4 12
Lowering speed without load	ft/min m/min	82 25	41 12.5	42.7 13	24.6 7.5
Air consumption at full load – lifting	cfm m³/min	33.5 0.95	33.5 0.95	60 1.7	60 1.7
Air consumption at full load – lowering	cfm m³/min	33.5 0.95	33.5 0.95	60 1.7	60 1.7
Air connection		G ½	G ½	G ½	G ½
Hose dimension (ø inside)	inch mm	½ 13	½ 13	½ 13	½ 13
Weight at 3 m lift/2 m control length	lbs kg	22 10	22 10	45.2 20.5	46.3 21
Chain dimension	mm	4.7 x 14.1	4.7 x 14.1	7.4 x 22	7.4 x 22
Weight of chain	lbs kg/m	1.1 0.48	1.1 0.48	2.6 1.19	2.6 1.19
Height of lift	ft m	10/16/26 3/5/8	10/16/26 3/5/8	10/16/26 3/5/8	10/16/26 3/5/8
Length of control	ft m	6.5/13/23* 2/4/7*	6.5/13/23* 2/4/7*	6.5/13/23* 2/4/7*	6.5/13/23* 2/4/7*
Sound level at full load – lifting¹	dB(A)	78	78	78	78
Sound level at full load – lowering¹	dB(A)	80	80	80	80
ATEX Zone		2/22	2/22	2/22	2/22
Mechanism group/life cycle [h]		1 Am/800	1 Am/800	1 Am/800	1 Am/800

\*Special lengths up to max. 10 m/33 ft on request.

¹Measured in 1 m distance acc. to DIN 45635 part 20. Performance data at room temperature. Alterations reserved.

## DIMENSIONS

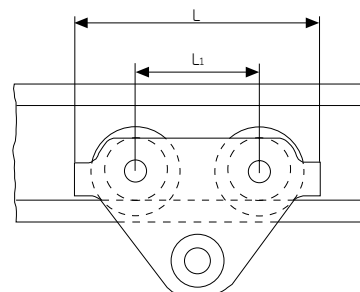
Type	mini 125	mini 250	mini 500	mini 1000
A	14.6 370	14.6 370	x.x 509	x.x 509
B	x.x 236	x.x 236	x.x 306	x.x 306
C	x.x 400	x.x 400	21.9 557	21.9 557
D	3.9 100	3.9 100	5.3 135	5.3 135
E	8.7 220	8.7 220	11.5 292	11.5 292
F	4.4 112	4.4 112	5.8 148	5.8 148
G	4.3 108	4.3 108	5.7 144	5.7 144
H	x.x 159	x.x 159	x.x 210	x.x 210
J	x.x 43	x.x 43	x.x 53	x.x 53
K	x.x 93	x.x 93	x.x 125	x.x 125
L	1.1 28	1.1 28	x.x 40	x.x 40
M	0.7 19	0.7 19	1.1 28	1.1 28
(N)	x.x 15	x.x 15	x.x 24	x.x 24
O	x.x 118	x.x 118	x.x 164	x.x 164



# MANUAL TROLLEYS FOR JDN AIR HOISTS MINI

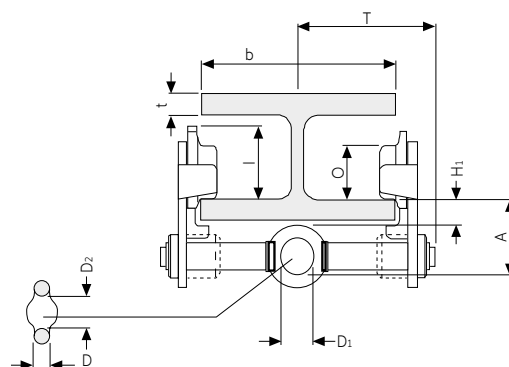
## TECHNICAL DATA

Type		LN 250	LN 1000
Capacity	lbs	550	2200
	kg	250	1000
Beam flange width b	inch	2-8	2-8
	mm	50-220	58-220
max. flange thickness t	inch	1.2	1.0
	mm	30	25
min. curve radius	inch	35.4	39.4
	m	0.9	1.0
Weight	lbs	17	21
	kg	7.7	10.5



## DIMENSIONS

Type		LN 250	LN 1000
A	inch mm	3.1 79	3.1 79
D	inch mm	0.7 17	0.7 17
D1	inch mm	1 25	1.2 30
D2	inch mm	1.2 30	1.4 35
H1	inch mm	1.2 30	1 25
I	inch mm	2.7 67.5	3.2 81.5
L	inch mm	10.2 260	10.2 260
L1	inch mm	5.1 130	5.1 130
O	inch mm	2.2 55	2.7 68
T	inch mm	5.7 144	5.9 151



Learn more about the benchmark in hoisting technology  
on [newgreatmini.com](http://newgreatmini.com)



# JDN AIR HOISTS PROFI



## STRONG, FAST, SILENT.

High performance with more efficiency by reliability plus high lifting and lowering speeds. Low sound emissions.

## OIL-FREE OPERATION.

Patented, permanent motor lubrication during operation, using a high-performance grease. No additional motor lubrication required.

## ALWAYS FIT FOR THE JOB AND RELIABLE.

100% Duty Rating – No Downtime, Ex Classification according to EC Directive on Hazardous Locations 94/9/EEC (ATEX 100a)

## CAPACITIES: 250 KG UP TO 100 T AIR PRESSURE: 4 BAR OR 6 BAR

Proven in practice: JDN Air Hoists **PROFI** Series are superior in all places where safety has priority. The **PROFI** Series scores well with its 100 % duty rating and explosion protection as standard. This important advantage ensures JDN Air Hoists are especially suitable for applications in hazardous areas.

JDN Air Hoists **PROFI** Series are very robust and therefore suitable for tough industrial applications even in continuous working processes. According to your requirements there are various control systems available. For traversing loads there are also different trolley designs to meet your particular demands.

### WHERE THE JDN PROFI EXCELLENCE HAS BEEN PROVEN

Aircraft construction, assembly lines, chemical industry, dairies, electro plating, explosives and pyrotechnics industry, food industry, foundries, furniture industry, glass industry, lacquer and varnish factories, match industry, mechanical engineering, auto industry, oil storage plants, on- and offshore, paint shops, paper industry, power plants, refineries, sawmills, shipyards, space industry, tempering plants, textile industry.





### STANDARD FEATURES

- Suitable for application in hazardous areas
- Sensitive infinitely variable speed control for the precise positioning of loads
- Easy operation
- Suitable for lube-free operation
- 100 % duty rating and unlimited duty cycles
- Low maintenance
- Low headroom, lightweight
- Sound absorption
- Insensitive to dust, humidity and temperatures ranging from -20°C up to +70°C
- From 1 t upwards with overload protection (EC-version)

### TECHNICAL DETAILS

- Fail-safe starting, low maintenance vane motor
- Chain sprocket in the mid section runs in dust-proof maintenance-free ball bearings
- Planetary gear box with long-life grease lubrication, all gears made of tempered or hardened high-grade steel
- Load chain and hooks manufactured from high quality tempered steels with a breaking strength of five times the nominal load

### THE ADVANTAGES AT A GLANCE

- **Strong – Fast – Silent**  
High performance with more efficiency by reliability plus high lifting and lowering speeds. Low sound emissions.
- **High Level of Safety**  
Integrated emergency stop switch from 1 t upwards with overload protection.
- **Oil-Free Operation**  
Patented, permanent motor lubrication during operation, using a high-performance grease. No additional motor lubrication required.
- **Patented Motor-Brake System**  
For operation with low maintenance and little wear. Based on the proven design of the JDN Mini Series.
- **Modern Design – Compact Size**  
Features no protruding control hoses or parts susceptible to damage, making the PROFI also suitable for horizontal pulling.
- **100 % Duty Rating – No Downtime**
- **Ex Classification**  
As standard:  
 II 2G Ex h IIA T4 Gb X  
 II 2D Ex h IIIA T130°C Db X  
With increased spark protection:  
 II 2G Ex h IIC T4 Gb X  
 II 2D Ex h IIIC T130°C Db X

## THE MODULAR SYSTEM AT A GLANCE

### Limit Switch for Trolley Travel Extension Arm for Control



### Special High Performance Grease for oil-free operation



### Service Unit Filter Regulator



### Supply

- Hose Trolleys
- Spiral Hose
- Energy Chain
- C-rail
- Square Bar

### Ex Classification

Standard:

- II 2G Ex h IIA T4 Gb X
- II 2D Ex h IIIA T130°C Db X

With increased spark protection:

- II 2G Ex h IIB T4 Gb X
- II 2D Ex h IIIB T130°C Db X

With increased spark protection  
for explosion group IIC:

- II 2G Ex h IIC T4 Gb X
- II 2D Ex h IIIC T130°C Db X

### Trolleys

- Manual Trolley
- Reel Chain Trolley
- Motor Trolley

### Housing Finish

- Standard JDN Green
- 3-coat offshore paint system

### Filter Silencer

### Chain Container

- Chain Box
- Chain Bagl

### Limit Switch for Lift

### Hook

- Standard
- Copper-plated
- Stainless Steel

### Controls

- Rope Control (sensitive)
- FI Control (sensitive)
- E Control (single speed)
- F Control (multi-function)
- Remote Control
- Electropneumatic Interface



## PROFI 025 TI UP TO 2 TI

### TECHNICAL DATA

Type		025 TI		05 TI		1 TI		2 TI	
Capacity	mt	0.16	0.25	0.32	0.5	0.63	1	1.25	2
Air pressure	psi bar	60 4	87 6	60 4	87 6	60 4	87 6	60 4	87 6
Number of chain strands		1		1		1		2	
Motor output	kW	0.6	1.0	0.6	1.0	0.6	1.0	0.6	1.0
Lifting speed at full load	ft/min m/min	65.6 20	65.6 20	32.8 10	36.1 11	16.4 5	18 5.5	8.2 2.5	8.9 2.7
Lifting speed without load	ft/min m/min	123 37.5	137.8 42	52.5 16	62.3 19	32.8 10	36.1 11	16.4 5	18 5.5
Lowering speed at full load	ft/min m/min	124.7 38	124.7 38	55.8 17	55.8 17	32.8 10	36.1 11	16.4 5	18 5.5
Air consumption at full load – lifting	cfm m <sup>3</sup> /min	24.7 0.7	42.4 1.2	24.7 0.7	42.4 1.2	24.7 0.7	42.4 1.2	24.7 0.7	42.4 1.2
Air consumption at full load – lowering	cfm m <sup>3</sup> /min	28.3 0.8	53 1.5	28.3 0.8	53 1.5	28.3 0.8	53 1.5	28.3 0.8	53 1.5
Air connection		G ½		G ½		G ½		G ½	
Hose dimension (ø inside)	inch mm	½ 13		½ 13		½ 13		½ 13	
Weight with standard lift, rope control	lbs kg	59.5 27	59.5 27	59.5 27	59.5 27	61.6 27.5	61.7 <sup>1</sup> 28 <sup>1</sup>	75 <sup>1</sup> 34 <sup>1</sup>	75 <sup>1</sup> 34 <sup>1</sup>
Chain dimension	mm	7 x 21		7 x 21		7 x 21		7 x 21	
Weight of chain	lbs/ft kg/m	0.67 1.0		0.67 1.0		0.67 1.0		0.67 1.0	
Standard lift	ft m	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	
Noise level at full load <sup>2</sup> – lifting	dB(A)	73	74	74	75	74	76	74	76
Noise level at full load <sup>2</sup> – lowering	dB(A)	77	78	77	78	77	78	77	78

<sup>1</sup>With overload protection

<sup>2</sup>Measured at 1 m distance acc. to DIN 45635 part 20

Group mechanism at 6 bar: PROFi 025 TI M5 (2 m), PROFi 05 TI - PROFi 2 TI M4 (1 Am)

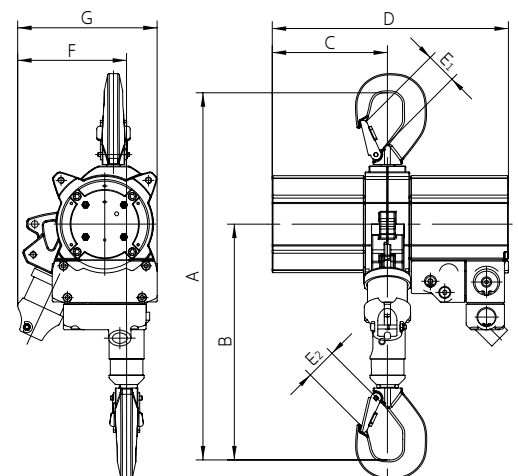


PROFI 1 TI

### DIMENSIONS

Type		025 TI	05 TI	1 TI	2 TI
A min. headroom <sup>1</sup>	inch mm	17.7 450	17.7 450	17.7 450	19.6 498
B	inch mm	11.3 288	11.3 288	11.3 288	13.2 336
C	inch mm	5.7 145	5.7 145	5.7 145	5.7 145
D	inch mm	11.7 297	11.7 297	11.7 297	11.7 297
E <sub>1</sub>	inch mm	1.1 28	1.1 28	1.1 28	1.1 28
E <sub>2</sub>	inch mm	1.1 28	1.1 28	1.1 28	1.1 28
F up to hook centre	inch mm	5.4 137	5.4 137	5.4 137	5.4 137
G maximum width	inch mm	6.9 176	6.9 176	6.9 176	7.2 183

<sup>1</sup>Chain containers increase the hoist headroom

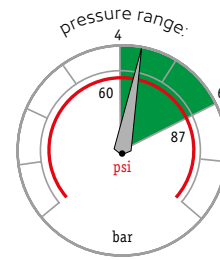


## PROFI 1,5 TI AND 3 TI/2

### TECHNICAL DATA

Type		1.5 TI	3 TI/2
Capacity	mt	1.6	3.2
Air pressure range	psi bar	60-87 4-6	60-87 4-6
Number of chain strands		1	2
Motor output	kW	1.3-2	1.3-2
Lifting speed at full load	ft/min m/min	13.1-19.7 4-6	6.6-9.8 2-3
Lifting speed without load	ft/min m/min	27.6-32.8 8.4-10	13.8-16.4 4.2-5
Lowering speed at full load	ft/min m/min	36.1-39.4 11-12	18.0-19.7 5.5-6
Air consumption at full load – lifting	cfm m <sup>3</sup> /min	53-92 1.5-2.6	53-92 1.5-2.6
Air consumption at full load – lowering	cfm m <sup>3</sup> /min	78-127 2.2-3.6	78-127 2.2-3.6
Air connection		G 3/4	G 3/4
Hose dimension (Ø inside)	inch mm	3/4 19	3/4 19
Weight with standard lift, rope control	lbs kg	123 56	146 66
Chain dimension	mm	9 x 27	9 x 27
Weight of chain	lbs/ft kg/m	1.2 1.8	1.2 1.8
Standard lift	ft m	10 3	10 3
Length of control at standard lift	ft m	6.5 2	6.5 2
Noise level at full load <sup>1</sup> – lifting	dB(A)	73-77	73-77
Noise level at full load <sup>1</sup> – lowering	dB(A)	78-80	78-80

<sup>1</sup>Measured at 1 m distance acc. to DIN 45635 part 20  
Group mechanism: M3 (1 Bm)



PROFI 1,5 TI

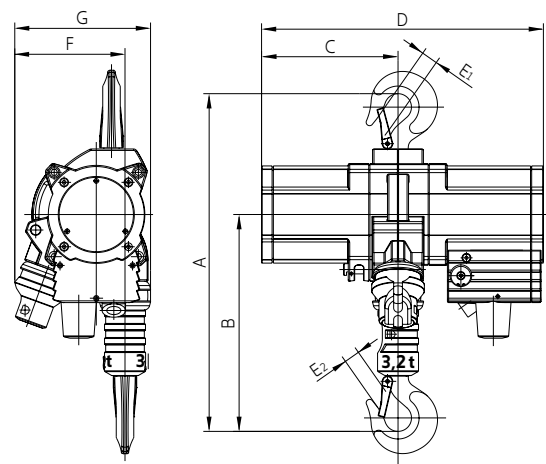


PROFI 3 TI/2

### DIMENSIONS

Type		1.5 TI	3 TI/2
A min. headroom <sup>1</sup>	inch mm	18.9 480	21.4 544
B	inch mm	11.5 293	14.0 356
C	inch mm	7.9 200	7.9 200
D	inch mm	16.2 412	16.2 412
E <sub>1</sub>	inch mm	1.1 28	1.1 28
E <sub>2</sub>	inch mm	1.0 26	1.1 28
F up to hook centre	inch mm	6.7 170	5.5 140
G maximum width	inch mm	8.5 215	8.5 215

<sup>1</sup>Chain containers increase the hoist headroom



## PROFI 3 TI UP TO 20 TI

### TECHNICAL DATA

Type		3 TI		6 TI		10 TI		16 TI		20 TI	
Capacity	mt	3.2		6.3		10		16		20	
Air pressure	psi bar	60 4	87 6	60 4	87 6	60 4	87 6	60 4	87 6	60 4	87 6
Number of chain strands		1		2		2		3		4	
Motor output	kW	1.8	3.5	1.8	3.5	1.8	3.5	1.8	3.5	1.8	3.5
Lifting speed at full load	ft/min m/min	8.2 2.5	16.4 5	3.9 1.2	8.2 2.5	2.6 0.8	5.2 1.6	1.6 0.5	3.3 1	1.3 0.4	2.3 0.7
Lifting speed without load	ft/min m/min	19.7 6	32.8 10	9.8 3	16.4 5	6.6 2	10.5 3.2	4.3 1.3	6.6 2	3.3 1	4.6 1.4
Lowering speed at full load	ft/min m/min	24.6 7.5	35.4 10.8	11.8 3.6	17.7 5.4	8.2 2.5	11.2 3.4	5.3 1.6	6.9 2.1	3.9 1.2	5.3 1.6
Air consumption at full load – lifting	cfm m³/min	71 2	142 4	71 2	142 4	71 2	142 4	71 2	142 4	71 2	142 4
Air consumption at full load – lowering	cfm m³/min	124 3.5	195 5.5	124 3.5	195 5.5	124 3.5	195 5.5	124 3.5	195 5.5	124 3.5	195 5.5
Air connection		G ¾		G ¾		G ¾		G ¾		G ¾	
Hose dimension (Ø inside)	inch mm	¾ 19		¾ 19		¾ 19		¾ 19		¾ 19	
Weight with standard lift, rope control	lbs kg	189.6 86		242.5 110		343.9 156		529.1 240		627 285	
Chain dimension	mm	13 x 36		13 x 36		16 x 45		16 x 45		16 x 45	
Weight of chain	lbs/ft kg/m	2.6 3.8		2.6 3.8		3.9 5.8		3.9 5.8		3.9 5.8	
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	
Noise level at full load¹ – lifting	dB(A)	74	78	74	78	74	78	74	78	74	78
Noise level at full load¹ – lowering	dB(A)	79	80	79	80	79	80	79	80	79	80

¹Measured at 1 m distance acc. to DIN 45635 part 20  
Group mechanism at 6 bar: M3 (1 Bm)

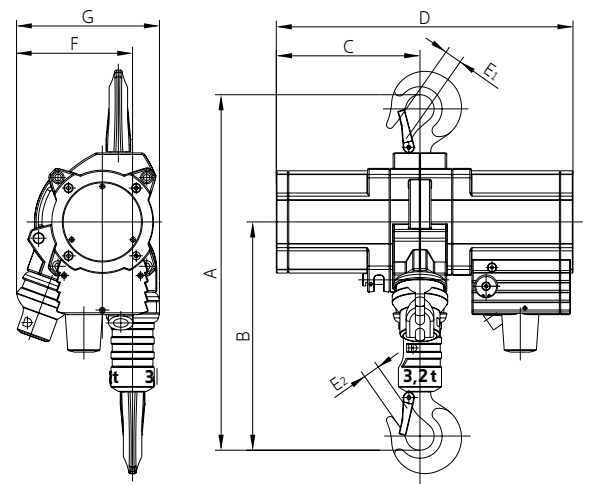


PROFI 6 TI

### DIMENSIONS

Type		3 TI	6 TI	10 TI	16 TI	20 TI
A min. headroom¹	inch mm	23.3 593	26.5 674	32 813	35.4 898	40.6 1030
B	inch mm	14.7 373	17.9 454	21.6 548	23.5 598	26.4 670
C	inch mm	9.2 233	9.2 233	12.1 308	15 382	15 382
D	inch mm	19 483	19 483	22.6 575	27.2 692	27.2 692
E <sub>1</sub>	inch mm	1.6 40	1.6 40	1.7 44	2.1 53	2.8 70
E <sub>2</sub>	inch mm	1.2 30	1.6 40	1.7 44	2.1 53	2.8 70
F up to hook centre	inch mm	7.4 187	6.1 154	7.8 197	7.8 199	7.1 180
G maximum width	inch mm	9.2 233	9.2 233	12 306	12.1 308	12.4 315

¹Chain containers increase the hoist headroom





# JDN AIR HOISTS PROFI

## PROFI 25 TI UP TO 100 TI

### TECHNICAL DATA

Type		25 TI	30 TI	37 TI	40 TI	50 TI	60 TI	75 TI	100 TI
Capacity	mt	25	30	37.5	40	50	60	75	100
Air pressure	psi bar	87 6							
Number of chain strands		2	2	3	3	4	4	3	4
Motor output	kW	6.3						9	9
Lifting speed at full load	ft/min m/min	4.1 1.25	3.3 1.0	2.5 0.75	2.3 0.7	1.8 0.55	1.5 0.45	1.7 0.53	1.3 0.4
Lifting speed without load	ft/min m/min	7.9 2.4	7.9 2.4	5.6 1.7	5.6 1.7	4.3 1.3	4.3 1.3	4.4 1.33	3.3 1
Lowering speed at full load	ft/min m/min	9.2 2.8	9.2 2.8	6.6 2.0	6.6 2.0	5.3 1.6	5.3 1.6	4.1 1.25	3.1 0.95
Air consumption at full load – lifting	cfm m³/min	230 6.5						268.5 7.6	
Air consumption at full load – lowering	cfm m³/min	102 2.9						212 6	
Air connection		G 1 ½							
Hose dimension (Ø inside)	inch mm	1 ½ 35							
Weight with standard lift, rope control	lbs kg	1213 550	1213 550	1874 850	1874 850	2072 940	2072 940	3968 1800	4409 2000
Chain dimension	mm	23.5 x 66						32 x 90	
Weight of chain	lbs/ft kg/m	8.2 12.2						14.3 21.3	
Standard lift	ft m	10 3							
Length of control at standard lift	ft m	6.5 2							
Noise level at full load <sup>1</sup> – lifting	dB(A)	78						77	
Noise level at full load <sup>1</sup> – lowering	dB(A)	82						83	

<sup>1</sup>Measured at 1 m distance acc. to DIN 45635 part 20

Group mechanism at 6 bar: PROFI 25 TI, 37 TI, 50 TI, 75 TI, 100 TI: M3 (1 Bm), PROFI 30 TI, 40 TI, 60 TI: M2 (1 Cm)

4 bar versions on request

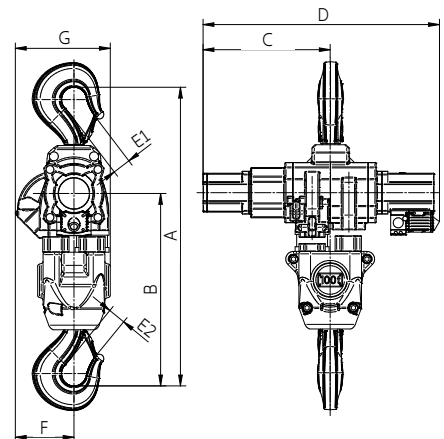


PROFI 100 TI

### DIMENSIONS

Type		25 TI	30 TI	37 TI	40 TI	50 TI	60 TI	75 TI	100 TI
A min. headroom <sup>1</sup>	inch mm	49.6 1260	49.6 1260	57.9 1470	57.9 1470	58.5 1485	58.5 1485	76 1930	76 1930
B	inch mm	32.6 827	32.6 827	36.8 935	36.8 935	37.4 950	37.4 950	49.2 1250	49.2 1250
C	inch mm	17.7 450	17.7 450	21.3 540	21.3 540	21.3 540	21.3 540	32.5 825	32.5 825
D	inch mm	35.4 900	35.4 900	42.5 1080	42.5 1080	42.5 1080	42.5 1080	60.4 1535	60.4 1535
E1	inch mm	2.8 70	2.8 70	3.9 100	3.9 100	3.9 100	3.9 100	4.7 120	4.7 120
E2	inch mm	2.8 70	2.8 70	3.9 100	3.9 100	3.9 100	3.9 100	4.7 120	4.7 120
F up to hook centre	inch mm	10.6 270	10.6 270	11.2 285	11.2 285	9.8 250	9.8 250	15.9 405	14.4 365
G maximum width	inch mm	17.5 445	17.5 445	17.7 450	17.7 450	16.9 430	16.9 430	23.6 600	23.6 600

<sup>1</sup>Chain containers increase the hoist headroom



# JDN AIR HOISTS M SERIES

CAPACITIES: 1/2 T AND 3/6 T  
AIR PRESSURE: 4 BAR

JDN Air Hoists of the **M Series** are the specialists for underground mining operations. Due to their versatility they are nowadays also deployed in many different industrial fields. Generally they have the same features as the hoists of the PROFI series but operate with an air pressure of only 4 bar. Two different control systems are available.

## FURTHER SIGNIFICANT FEATURES AS STANDARD:

- Suitable for use in hazardous areas with risk of explosion
- Two chain falls for alternate working
- Specially designed for horizontal moving of loads



M 63 D

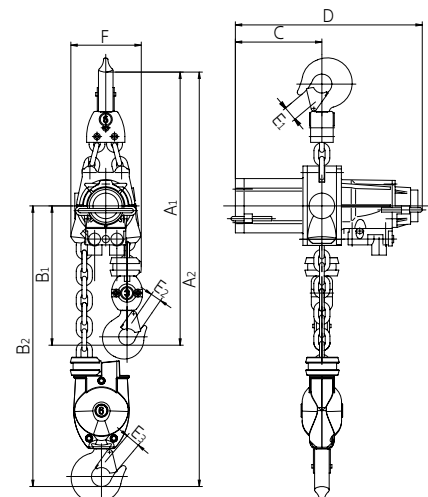
## TECHNICAL DATA

Type		M 64	M 63 D
Capacity	mt	1/2	3/6
Air pressure	psi bar	60 4	60 4
Number of chain strands		1/2	1/2
Motor output	kW	0.77	1.3
Lifting speed at full load	ft/min m/min	9.8/4.9 3/1.5	7.2/3.6 2.2/1.1
Lifting speed without load	ft/min m/min	26.3/13.1 8/4	16.4/8.2 5/2.5
Lowering speed at full load	ft/min m/min	41/21.3 12.5/6.5	19.7/9.8 6/3
Air consumption at full load – lifting	cfm m³/min	35.3 1.0	77.7 2.2
Air consumption at full load – lowering	cfm m³/min	70.6 2.0	113 3.2
Air connection		Rd 32 x 1/8"	Rd 32 x 1/8"
Hose dimension (Ø inside)	inch / mm	0.75 / 19	0.75 / 19
Weight with standard lift	lbs / kg	132.3 / 60	220.5 / 100
Weight without chain, without control	lbs / kg	68.3 / 31	112.4 / 51
Chain dimension	mm	9 x 27	13 x 36
Weight of chain	lbs/ft kg/m	1.2 1.8	2.6 3.8
Heights of lift standard lift	ft m	16.4/8.2 5/2.5	16.4/8.2 5/2.5
Length of control at standard lift	ft / m	6.6 / 2	6.6 / 2
Noise level at full load¹	dB(A)	75-84	79-83

Group mechanism: M3 (1 Bm) ¹Measured at 1 m distance acc. to DIN 45635 part 20

## DIMENSIONS

Type		M 64	M 63 D
A <sub>1</sub> (smallest headroom with 1/1 chain strands)	inch / mm	23.7 / 603	29.5 / 750
A <sub>2</sub> (smallest headroom with 1/2 chain strands)	inch / mm	26 / 660	34.3 / 870
B <sub>1</sub> (with 1/1 chain strands)	inch / mm	12.3 / 313	14.6 / 370
B <sub>2</sub> (with 1/2 chain strands)	inch / mm	14.6 / 370	19.3 / 490
C	inch / mm	6.9 / 175	9.33 / 237
D	inch / mm	14.8 / 375	20 / 507
E <sub>1</sub> (Hook opening)	inch / mm	1.2 / 30	1.6 / 40
E <sub>2</sub> (Hook opening)	inch / mm	1.2 / 30	1.6 / 40
E <sub>3</sub> (Hook opening)	inch / mm	1.2 / 30	1.2 / 30
F (maximum width)	inch / mm	5.7 / 144	7.7 / 195



## CAPACITIES: 0.25 T UP TO 20 T

**JDN Trolleys** are available for all hoists of the PROFI and M 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\*<sup>1</sup>
- Spark-resistant package\*<sup>2</sup>
- Offshore paint\*<sup>2</sup>

### ENERGY FEEDING SYSTEMS

The air supply can be fed by various systems:

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



PROFI 1 TI in  
Manual Trolley



PROFI 1 TI in  
Reel Chain Trolley



PROFI 2 TI in  
Motor Trolley

\*<sup>1</sup>From LM 3.2 t upwards

\*<sup>2</sup>Not available for LN 1 t



## TECHNICAL DATA

JDN Air Hoist PROFI		025 TI	05 TI	1 TI	1.5 TI	2 TI	3 TI/2	3 TI	6 TI	10 TI	16 TI	20 TI	
Capacity of trolley LN	mt	1 <sup>6</sup>			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 <sup>4</sup> (at full load)	cfm m³/min	21.2 0.6								45.9 1.3			
Air consumption hoist (at full load)	cfm m³/min	53 1.5			53-92 15-2.6	53 1.5	53-92 15-2.6	194.2 5.5					
Motor output Motor Trolley <sup>4</sup>	kW	0.2								0.7			
Motor output hoist	kW	1			1.3-2	1	1.3-2	3.5					
Travelling distance Reel Chain Trolley, chain reel off	ft m	4.6 1.4								3.6 1.1		3.3 1.0	
Travelling speed Motor Trolley <sup>4</sup> (at full load)	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 <sup>1</sup> 1.0 <sup>1</sup>			3.9 <sup>1</sup> 1.2 <sup>1</sup>		2.6 <sup>2</sup> 0.8 <sup>2</sup>		6.6 <sup>2</sup> 2 <sup>2</sup>			– –	
Minimum radius Reel Chain Trolley and Motor Trolley	ft m	2 <sup>2</sup> 0.6 <sup>2</sup>					2.6 <sup>2</sup> 0.8 <sup>2</sup>		6.6 <sup>2</sup> 2 <sup>2</sup>			8.2 <sup>2</sup> 2.5 <sup>2</sup>	
Max. bottom flange thickness t Manual Trolley	inch mm	1.0 25			1.1 28		1.6 40		2.6 <sup>5</sup> 65 <sup>5</sup>			– –	
Max. bottom flange thickness t Reel Chain and Motor Trolley	inch mm	1.6 40								2.6 <sup>5</sup> 65 <sup>5</sup>			
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 <sup>3,4</sup>	dB(A)	80											

\*1. st speed of F control with two speeds

<sup>1</sup>Measured at the middle of the beam

<sup>2</sup>Measured at the inner edge of the beam

<sup>3</sup>Measured at 1 m distance acc. to DIN 45635 part 20

<sup>4</sup>At 6 bar

<sup>5</sup>55 mm, if hoist is suspended

<sup>6</sup>LN 1 t not available with spark-resistant package

- Capacities over 20 t see JDN Monorail Air Hoists page 30
- Versions with one and two hooks (e.g. BBH) see page 27
- Low Headroom Trolleys for restricted headrooms see page 25

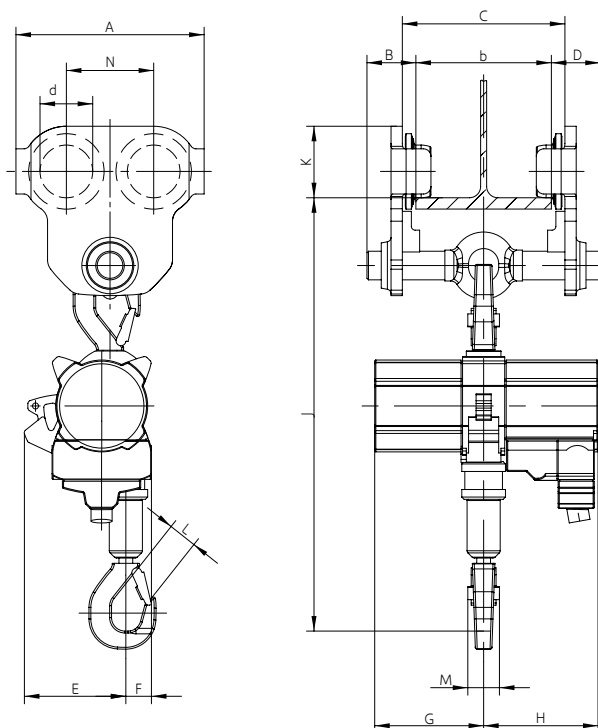
The designation of the trolley is composed of the short code (LN, LH, LM) and the carrying capacity acc. to table, as for example LN 1t.

## PROFI IN MANUAL TROLLEY (LN)

### DIMENSIONS

JDN Air Hoist PROFI		025 TI		05 TI	1 TI	1.5 TI	2 TI	3 TI/2		3 TI	6 TI	10 TI	16 TI	
With Trolley		LN 1 t				LN 2 t		LN 3.2 t			LN 6.3 t	LN 10-16 t		
A	inch mm	10.2 260				12.2 310		11.5 292			19.7 500	19.3 490		
B max.	inch mm	4.8 122				6.4 162		4.5 113			6.2 157	6.4 162		
C	inch mm	b + 1 b + 26						b + 2.4 b + 60			b + 2.8 b + 70			
d	inch mm	2.7 68				3.2 80		3.3 84			6.5 165			
D max.	inch mm	4.8 122				6.4 162		4.5 113			6.2 157	6.4 162		
E	inch mm	5.4 137				5.7 170	5.4 137	5.5 140	7.4 187	6.1 154	7.8 197	7.8 199		
F	inch mm	1.5 39				1.8 45	1.8 46	3.0 75	1.8 46	3.1 79	4.3 109			
G	inch mm	5.7 145				7.9 200	5.7 145	7.9 200	9.2 233			12.1 308	15 382	
H	inch mm	6 152				3.3 212	6 152	3.3 212	9.8 250			10.5 267	12.2 310	
J* (mounted)	inch mm	- -	- -	- -	- -	- -	- -	24.1 613	25 635	30 763	37 929	39 982		
J* (suspended)	inch mm	20.9 530				23.1 588	23.5 597	- -	31.4 798	36.2 919	46.3 1176	49.6 1260		
K	inch mm	2.7 67.5			3.2 81.5	3.7 94		4.2 107			7.4 188			
L	inch mm	1.1 28				1.0 26	1.1 28			1.2 30	1.6 40	1.7 44	2.1 53	
M	inch mm	1.7 42				1.6 40	1.7 42				2 51	2.6 66	3.2 82	
N	inch mm	5.1 130				5.9 150		5.4 136			9.3 236			

\*Chain containers increase the hoist headroom

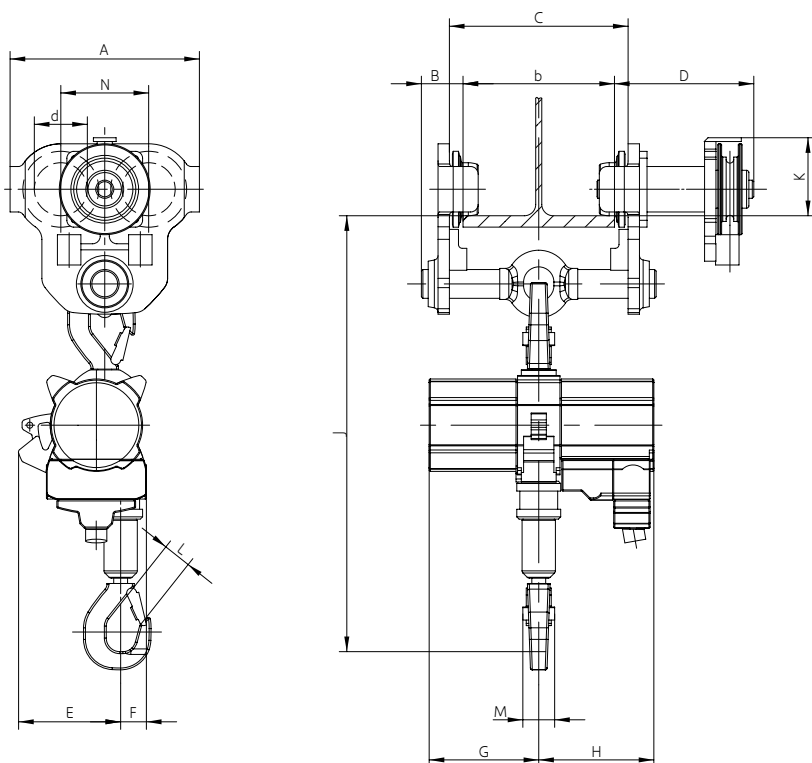


# PROFI IN REEL CHAIN TROLLEY (LH)

## DIMENSIONS

JDN Air Hoist PROFI		025 TI		05 TI	1 TI	1.5 TI	2 TI	3 TI/2		3 TI	6 TI	10 TI	16 TI	20 TI
With Trolley		LH 2 t						LH 3.2 t		LH 6.3 t		LH 10-16 t		LH 20 t
A	inch mm	9.8 250						11.5 292		19.7 500		19.3 490		23.6 600
B max.	inch mm	5.1 130						4.4 113		6.2 157		6.4 162		5.2 132
C	inch mm	b + 1.4 b + 36						b + 2.4 b + 60		b + 2.8 b + 70				b + 2.7 b + 68
d	inch mm	2.8 70						3.3 84		6.5 165				7.3 185
D	inch mm	7.2 184				11.2 284	7.2 184	11.6 294	11.6 294	12.1 307	12.6 320		12.6 320	
E	inch mm	5.4 137				6.7 170	5.4 137	5.5 140	7.4 187	6.1 154	7.8 197	7.8 199	7.1 180	
F	inch mm	1.5 39				1.7 45	1.8 46	3.0 75	1.8 46	3.1 79	4.3 109		5.3 135	
G	inch mm	5.7 145				7.9 200	5.7 145	7.9 200	9.2 233		12.1 308	15 382		
H	inch mm	6 152				3.3 212	6 152	3.3 212	9.8 250		10.5 267	12.2 310		
J* (mounted)	inch mm	– –	– –	– –	– –	– –	24.1 613	25 635	30 763	37 929	39 982	44.3 1125		
J* (suspended)	inch mm	22.2 563				23.7 602	24.1 611	– –	31.4 798	36.2 919	46.3 1176	46.1 1171	58.1 1475	
K	inch mm	4.1 103						4.4 110		8.5 215				8.9 226
L	inch mm	1.1 28				1.0 26	1.1 28	1.2 30		1.6 40	1.7 44	2.1 53	2.9 75	
M	inch mm	1.7 42				1.6 40	1.7 42			2 51	2.6 66	3.2 82	3.4 86	
N	inch mm	4.6 116						5.4 136		9.3 236				10.8 274

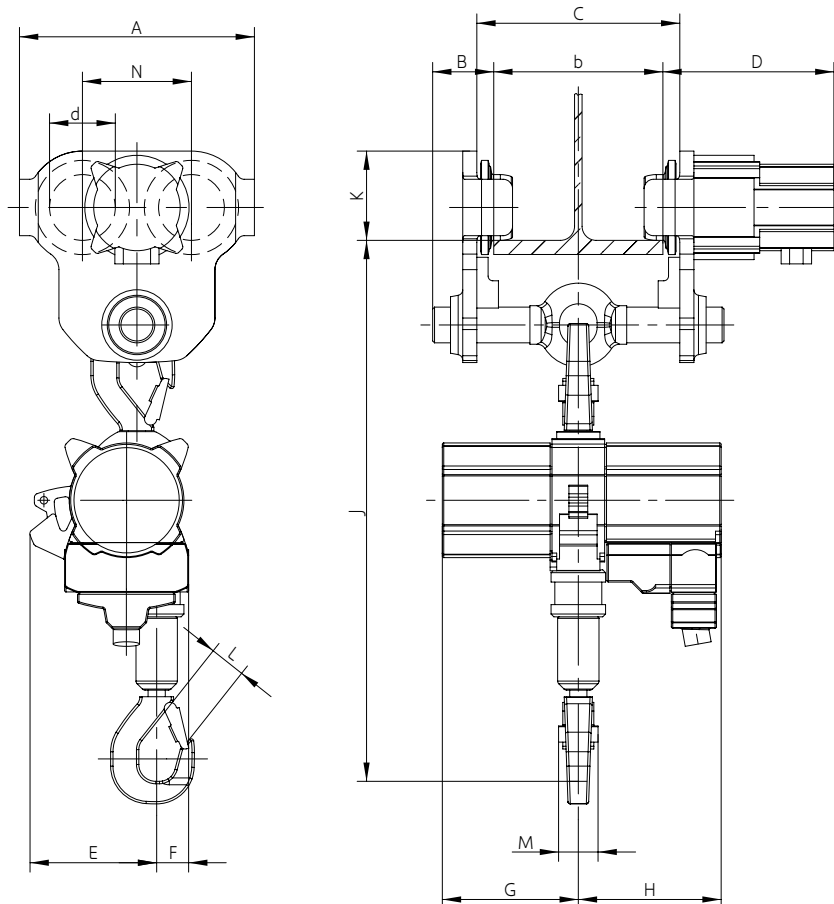
\*Chain containers increase the hoist headroom



## PROFI IN MOTOR TROLLEY (LM)

JDN Air Hoist PROFIL		025 TI	05 TI	1 TI	1.5 TI	2 TI	3 TI/2	3 TI	6 TI	10 TI	16 TI	20 TI
With Trolley		LM 2 t					LM 3.2 t		LM 6.3 t	LM 10-16 t		LM 20 t
A	inch mm	9.8 250					11.5 292		19.7 500	19.3 490		23.6 600
B max.	inch mm	5.1 130					4.4 113		6.2 157	6.4 162		5.3 134
C	inch mm	b + 1.4 b + 36					b + 2.4 b + 60		b + 2.8 b + 70			b + 2.7 b + 68
d	inch mm	2.8 70					3.3 84		6.5 165			7.3 185
D	inch mm	7.3 185			7.3 185	7.3 185	7.5 191		8.1 205	12.5 318		12.9 328
E	inch mm	5.4 137			6.7 170	5.4 137	5.5 140	7.4 187	6.1 154	7.8 197	7.8 199	7.1 180
F	inch mm	1.5 39			1.7 45	1.8 46	3.0 75	1.8 46	3.1 79	4.3 109		5.3 135
G	inch mm	5.7 145			7.9 200	5.7 145	7.9 200	9.2 233		12.1 308	15 382	
H	inch mm	6 152			3.3 212	6 152	3.3 212	9.8 250		10.5 267	12.2 310	
J* (mounted)	inch mm	– –	– –	– –	– –	– –	24.1 613	25 635	30 763	37 929	39 982	44.3 1125
J* (suspended)	inch mm	22.2 563			23.7 602	24.1 611	– –	31.4 798	36.2 919	46.3 1176	46.1 1171	58.1 1475
K	inch mm	3.7 95					4.2 107		7.4 188			8.6 218
L	inch mm	1.1 28			1.0 26	1.1 28		1.2 30	1.6 40	1.7 42	2.1 55	2.9 75
M	inch mm	1.7 42			1.6 40	1.7 42			2 51	2.6 66	3.2 82	3.4 86
N	inch mm	4.6 116					5.4 136		9.3 236			10.8 274

\*Chain containers increase the hoist headroom





# 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

## TECHNICAL DATA

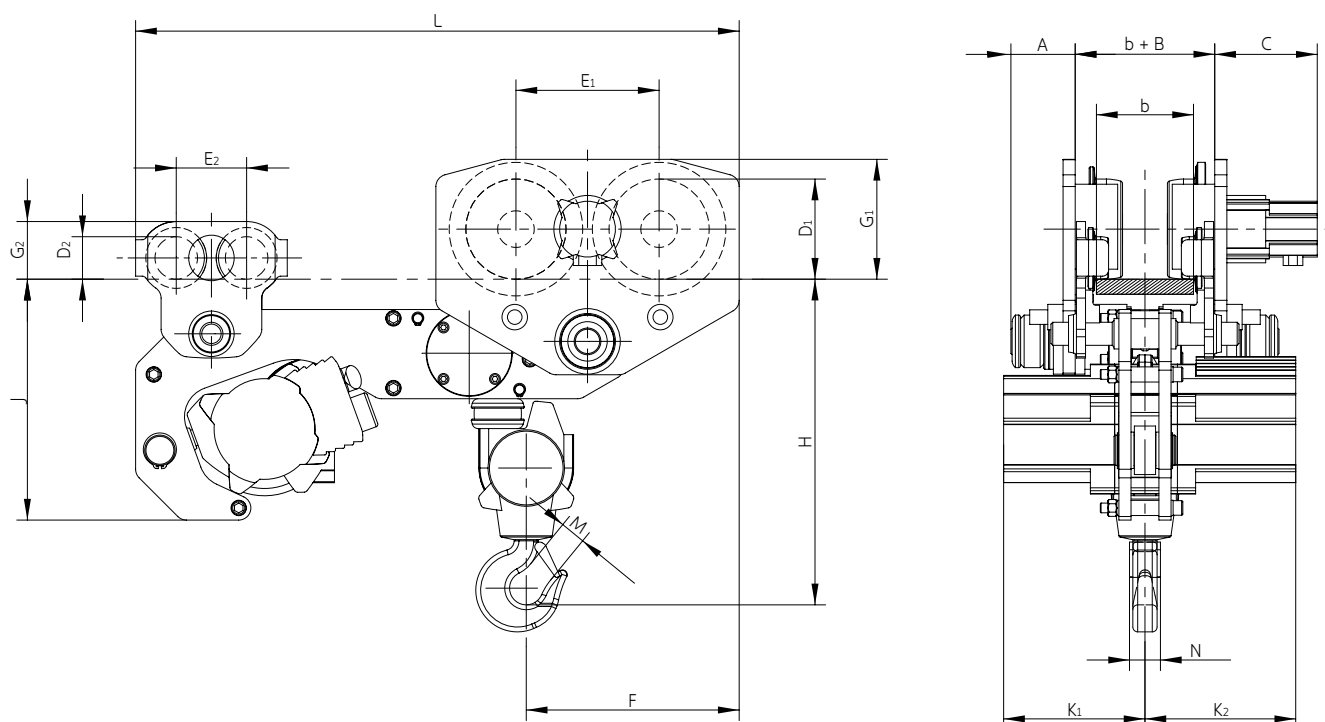
Hoist Type		PROFI 05 TI	PROFI 1 TI	PROFI 2 TI	PROFI 3 TI	PROFI 6 TI
Trolley Type		LMF 05-2 t	LMF 05-2 t	LMF 05-2 t	LMF 3.2 t	LMF 6.3 t
Capacity	mt	0.5	1	2	3.2	6.3
Air pressure	psi bar	87 6	87 6	87 6	87 6	87 6
Number of chain strands		1	1	2	1	2
Motor output Hoist	kW	1	1	1	3.5	3.5
Motor output Trolley	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 m³/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 m³/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 m³/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 load¹ – lifting	dB(A)	75	76	76	78	78
Noise level at full load¹ – lowering	dB(A)	78	78	78	80	80



Low Headroom  
Trolley LMF

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

# JDN LOW HEADROOM TROLLEYS



## 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	4.72 120	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	13.98 355	13.98 355	16.89 429	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

# JDN BIG BAG HANDLING AIR HOISTS

## BBH 1000 AND BBH 2000

### JDN BIG BAG HANDLING AIR HOISTS

For big bag handling J.D. Neuhaus offers innovative design solutions to meet the special requirements of these applications.

#### JDN Big Bag Handling Air Hoists

are available in capacities of 1100 kg and 2200 kg with an air pressure of 6 bar.

#### DESIGNS WITH ONE OR TWO LOAD HOOKS

With one load hook for standard cruciform lifting beam designs. The extended distance between the hook and the chain box is particularly advantageous. This guarantees that there is no risk of collision between the load and the chain box. With twin load hooks for more complex cruciform lifting beam designs or for standard lifting beam designs with two suspension points.

### THE ADVANTAGES AT A GLANCE

- Particularly suited for use as big bag handling hoists and for the movement of all kinds of bulky loads due to the low headroom design.
- Compact, modern design.
- Suitable for use as a synchronised hoist in twin-hook design.
- The use of JDN standard components guarantees reliable operation and cost effective manufacture.
- No additional motor lubrication required.
- Small number of maintenance/wear free moving parts.

### TAKE ADVANTAGE OF THE DRIVING MEDIUM AIR:

- Suitable for use as standard in areas at risk of explosion. Explosion protection classification according to Directive 94/9/EG (Equipment and Protective Systems Intended for use in Potentially Explosive Areas (ATEX)).

The hoists are available for the following explosion protection classifications:

- II 2G Ex h IIA T4 Gb X
- II 2D Ex h IIIA T130°C Db X
- II 2G Ex h IIB T4 Gb X
- II 2D Ex h IIIB T130°C Db X or
- II 2G Ex h IIC T4 Gb X
- II 2D Ex h IIIC T130°C Db X

- 100 % duty rating, and thus no downtimes.



BBH 1000-2

# JDN BIG BAG HANDLING AIR HOISTS

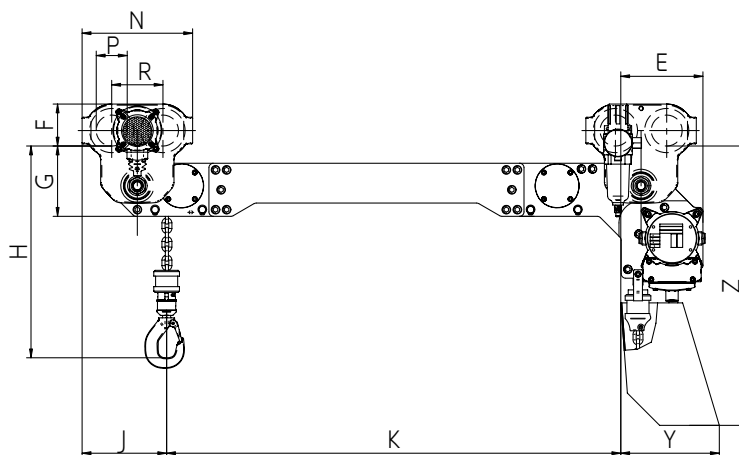
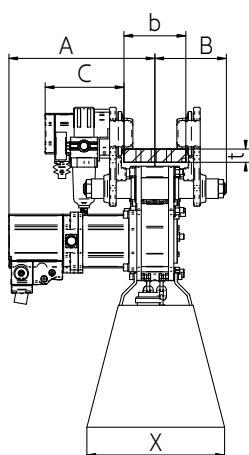
## TECHNICAL DATA

Type		BBH 1000-1	BBH 2000-1
Capacity	mt	1.1	2.2
Air pressure	psi bar	87 6	
Number of hooks		1	
Number of chain strands		1	2
Motor output hoist	kW	0.7	
Motor output trolley	kW	0.2	
Lifting speed at full load	ft/min m/min	12.14 3.7	5.58 1.7
Lifting speed without load	ft/min m/min	24.61 7.5	11.48 3.5
Lowering speed at full load	ft/min m/min	32.81 10	16.40 5
Air consumption at full load – lifting	cfm m <sup>3</sup> /min	49.44 1.4	
Air consumption at full load – lowering	cfm m <sup>3</sup> /min	42.38 1.2	
Air consumption at full load – trolley	cfm m <sup>3</sup> /min	21.19 0.6	
Air connection		G ½	
Hose dimension (Ø inside)	inch mm	½ 13	
Weight at standard lift and minimum k dimension	lbs kg	286.60 130	302.03 137
Chain dimension	mm	7 x 21	
Weight of chain	lbs/ft kg/m	0.67 1	
Standard lift	ft m	10 3	
Length of control at standard load – lift	ft m	6.5 2	
Noise level at full load <sup>1</sup> – lifting	dB(A)	76	
Noise level at full load <sup>1</sup> – lowering	dB(A)	78	
Noise level at full load <sup>1</sup> – trolley	dB(A)	80	

Group mechanism: M4 (1 Am) · <sup>1</sup>Measured at 1 m distance acc. to DIN 45635 part 20

## DIMENSIONS

Type		BBH 1000-1	BBH 2000-1
A	inch mm	13.1 332	
B	inch mm	6.4 163	8.7 220
b min.	inch mm	3.54 90	
b max.	inch mm	12.20 310	
C	inch mm	7.17 182	
E	inch mm	7.68 195	
F	inch mm	3.7 95	
G	inch mm	6.3 159	
H	inch mm	15.3 388	17.24 438
J	inch mm	7.56 192	8.66 220
K min.	inch mm	17.13 435	16.14 410
K max.	inch mm	43.31 1100	
L	inch mm	– –	
M	inch mm	1.10 28	
N	inch mm	9.84 250	
P	inch mm	2.76 70	
R	inch mm	4.57 116	
t max.	inch mm	1.18 30	





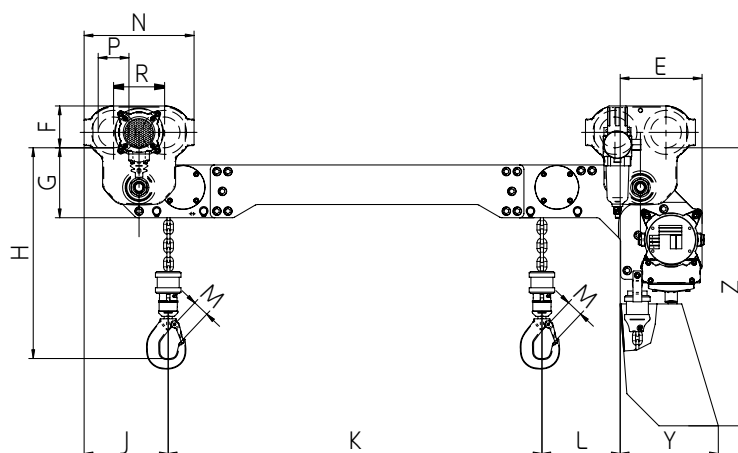
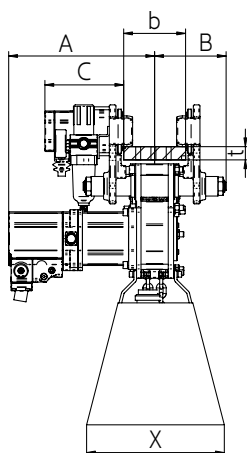
## TECHNICAL DATA

Type		BBH 1000-2	BBH 2000-2
Capacity	mt	1.1	2.2
Air pressure	psi bar	87 6	
Number of hooks		2	
Number of chain strands		2	4
Motor output hoist	kW	0.7	
Motor output trolley	kW	0.2	
Lifting speed at full load	ft/min m/min	12.14 3.7	5.58 1.7
Lifting speed without load	ft/min m/min	24.61 7.5	11.48 3.5
Lowering speed at full load	ft/min m/min	32.81 10	16.40 5
Air consumption at full load – lifting	cfm m³/min	49.44 1.4	
Air consumption at full load – lowering	cfm m³/min	42.38 1.2	
Air consumption at full load – trolley	cfm m³/min	21.19 0.6	
Air connection		G ½	
Hose dimension (Ø inside)	inch mm	½ 13	
Weight at standard lift and minimum k dimension	lbs kg	302.03 137	328.49 149
Chain dimension	mm	7 x 21	
Weight of chain	lbs/ft kg/m	0.67 1	
Standard lift	ft m	10 3	
Length of control at standard load – lift	ft m	6.5 2	
Noise level at full load¹ – lifting	dB(A)	76	
Noise level at full load¹ – lowering	dB(A)	78	
Noise level at full load¹ – trolley	dB(A)	80	

Group mechanism: M4 (1 Am) · ¹Measured at 1 m distance acc. to DIN 45635 part 20

## DIMENSIONS

Type		BBH 1000-2	BBH 2000-2
A	inch mm	3.1 332	
B	inch mm	6.4 163	8.7 220
b min.	inch mm	3.54 90	
b max.	inch mm	12.20 310	
C	inch mm	7.17 182	
E	inch mm	14.69 373	13.62 346
F	inch mm	3.74 95	
G	inch mm	6.26 159	
H	inch mm	15.3 388	17.24 438
J	inch mm	7.56 192	8.66 220
K min.	inch mm	10.24 260	
K max.	inch mm	51.18 1300	
L	inch mm	6.89 175	5.91 150
M	inch mm	1.10 28	
N	inch mm	9.84 250	
P	inch mm	2.76 70	
R	inch mm	4.57 116	
t max.	inch mm	1.18 30	



# JDN MONORAIL AIR HOISTS

CAPACITIES:  
10 T UP TO 115 T PER UNIT

**JDN Monorail Hoists** are available with air or hydraulic drive for the offshore industry, or wherever heavy loads have to be moved in reduced spaces. Depending on the application **JDN Monorail Hoists** can be used in tandem. For example: Working in parallel for BOP handling systems. Working in tandem and connected by a tie bar for handling grinding rollers in the cement industry.

## STANDARD FEATURES

- Ideally suited for working in hazardous areas (explosion risk)
- Insensitive to humidity, dust and temperatures from -20°C up to +70°C.
- Low headroom, compact design
- Low air consumption
- World wide service

## TECHNICAL DETAILS

- Instant starting vane motor requiring low maintenance
- Fail safe disc brake immediately holds load safely in the event of interruption of air supply
- All gearbox components made of tempered or hardened high-grade steel
- Anti-climb and anti-drop devices
- Lateral guiding plates
- Pendant control unit with emergency shut-off valve

## ACCESSORIES

- Increased spark protection
- Rack and pinion drive
- Overload protection
- Two speed trolley travel control
- Filter silencer

Third party acceptance by DNV, ABS or Lloyds Register of shipping etc, available on request.

## SPECIAL EXECUTIONS

If you cannot find the correct hoisting system to suit your application in our standard programme then Non standard designs to suit your particular application are our speciality.



EH 100



EH 20



EH 25

## TECHNICAL DATA

Type		EH 10	EH 16	EH 20	EH 25	EH 30	EH 37	EH 40	EH 50	EH 60
Capacity	mt	10	16	20	25	30	37.5	40	50	60
Air pressure	psi bar	87 6	87 6	87 6	87 6	87 6	87 6	87 6	87 6	87 6
Number of chain strands		2	3	4	2	2	3	3	4	4
Motor output trolley	kW	0.7	0.7	0.7	1.4	1.4	1.4	1.4	1.4	1.4
Motor output hoist	kW	3.5	3.5	3.5	6.3	6.3	6.3	6.3	6.3	6.3
Lifting speed at full load	ft/m m/min	5.3 1.6	3.3 1.0	2.3 0.7	4.1 1.25	3.3 1.0	2.5 0.75	2.3 0.7	1.8 0.55	1.5 0.45
Lifting speed without load	ft/m m/min	10.5 3.2	6.6 2.0	4.6 1.4	7.9 2.4	7.9 2.4	5.6 1.7	5.6 1.7	4.3 1.3	4.3 1.3
Lowering speed at full load	ft/m m/min	11.2 3.4	6.9 2.1	5.3 1.6	9.2 2.8	9.2 2.8	6.6 2.0	6.6 2.0	5.3 1.6	5.3 1.6
Travelling speed at full load	ft/m m/min	39.4 12	39.4 12	39.4 12	39.4 12	39.4 12	39.4 12	39.4 12	39.4 12	39.4 12
Travelling speed without load	ft/m m/min	44.3 13.5	44.3 13.5	44.3 13.5	44.3 13.5	44.3 13.5	44.3 13.5	44.3 13.5	44.3 13.5	44.3 13.5
Air consumption – trolley	cfm m³/min	46 1.3	46 1.3	46 1.3	92 2.6	92 2.6	92 2.6	92 2.6	92 2.6	92 2.6
Air consumption – hoist lifting	cfm m³/min	141.5 4	141.5 4	141.5 4	229.6 6.5	229.6 6.5	229.6 6.5	229.6 6.5	229.6 6.5	229.6 6.5
Air connection		G ¾	G ¾	G ¾	G 1½	G 1½	G 1½	G 1½	G 1½	G 1½
Hose dimension(Ø inside)	inch mm	¾ 19	¾ 19	¾ 19	1½ 35	1½ 35	1½ 35	1½ 35	1½ 35	1½ 35
Weight with standard lift	lbs kg	992.1 450	1267.7 575	1366.3 620	2205 1000	2205 1000	3307 1500	3307 1500	3638 1650	3638 1650
Chain dimension	mm	16 x 45	16 x 45	16 x 45	23.5 x 66	23.5 x 66	23.5 x 66	23.5 x 66	23.5 x 66	23.5 x 66
Weight of chain	lbs/ft kg/m	3.9 5.8	3.9 5.8	3.9 5.8	3.9 12.2	8.2 12.2	8.2 12.2	8.2 12.2	8.2 12.2	8.2 12.2
Standard lift	ft m	10 3	10 3	10 3	10 3	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	6.5 2	6.5 2	6.5 2	6.5 2
Noise level at full load <sup>1</sup> with standard silencer – lifting	dB(A)	78	78	80	78	78	78	78	78	78
Noise level at full load <sup>1</sup> with standard silencer – lowering	dB(A)	80	80	84	82	82	82	82	82	82

<sup>1</sup>Measured at 1 m distance acc. to DIN 45635 part 20, Group mechanism:

EH 10, EH 16, EH 20, EH 25, EH 37, EH 50: M3 (1 Bm), EH 30, EH 40, EH 60: M2 (1 Cm)

4 bar versions on request

# JDN MONORAIL AIR HOISTS

Two versions, for each of the 75 and 100 tonne lifting capacity products in the EH range are now available in both double trolley as well as the previously available 4 trolley traverse drive versions. The new

twin trolley drive versions, which offer more compact units for operation where limited space is available, are designated as EH 75C and EH 100C.

## TECHNICAL DATA

Type		EH 75	EH 100	EH 75 C	EH 100 C
Capacity	mt	75	100	75	100
Air pressure	psi bar	87 6		87 6	
Number of trolleys		4		2	
Number of chain strands		3	4	3	4
Motor output trolley	kW	2.8		1.4	2.8
Motor output hoist	kW	9		9	
Lifting speed at full load	ft/min m/min	1.7 0.53	1.3 0.4	1.7 0.53	1.3 0.4
Lifting speed without load	ft/min m/min	4.4 1.33	3.3 1	4.4 1.33	3.3 1
Lowering speed at full load	ft/min m/min	4.1 1.25	3.1 0.95	4.1 1.25	3.1 0.95
Travelling speed at full load	ft/min m/min	23 7		23 7	
Travelling speed without load	ft/min m/min	26.3 8		26.3 8	
Air consumption trolley	cfm m³/min	184 5.2		92 2.6	184 5.2
Air consumption hoist – lifting	cfm m³/min	283 8		283 8	
Air consumption hoist – lowering	cfm m³/min	212 6		212 6	
Air connection		G 1½		G 1½	
Hose dimension (Ø inside)	inch mm	1 ½ 35		1 ½ 35	
Weight with standard lift	lbs kg	8267 3750	11244 5100	7496 3400	10472 4750
Chain dimension	mm	32 x 90		32 x 90	
Weight of chain	lbs/ft kg/m	14.3 21.3		14.3 21.3	
Standard lift	ft m	10 3		10 3	
Length of control at standard lift	ft m	6.5 2		6.5 2	
Noise level at full load <sup>1</sup> – lifting	dB(A)	77		77	
Noise level at full load <sup>1</sup> – lowering	dB(A)	83		83	

<sup>1</sup>Measured at 1 m distance acc. to DIN 45635 part 20  
Group mechanism: EH 75, EH 100: M3 (1 Bm)

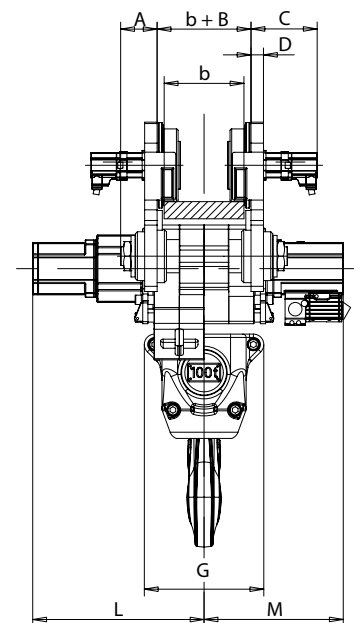
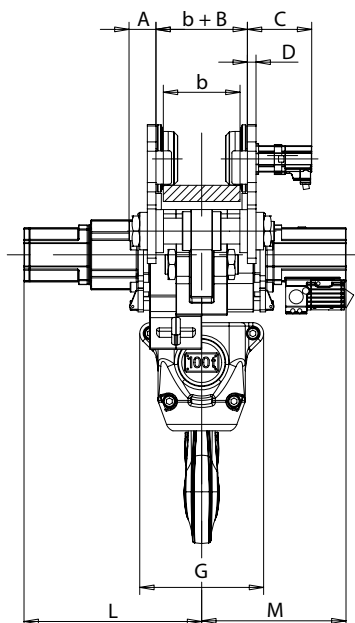
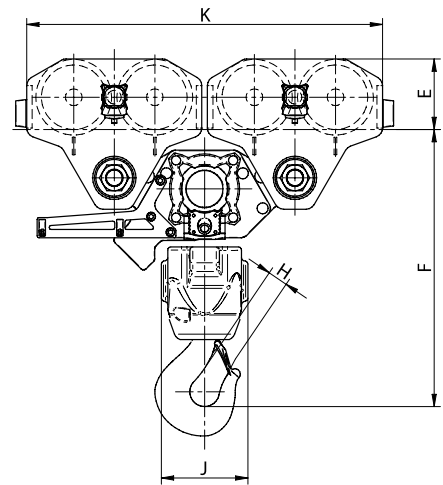
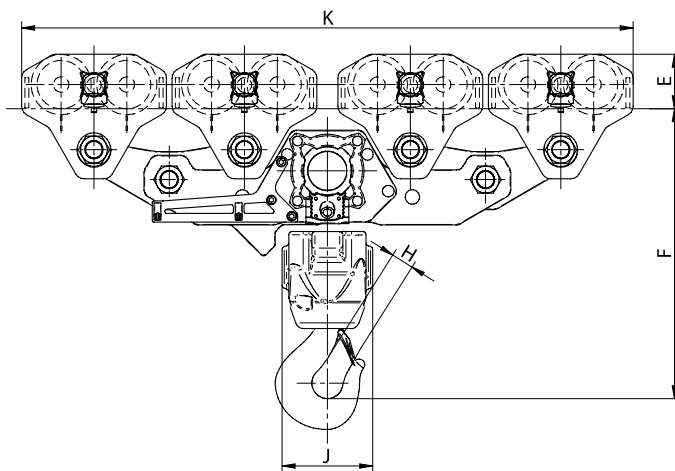


## DIMENSIONS

Type		EH 10	EH 16	EH 20	EH 25	EH 30	EH 37	EH 40	EH 50	EH 60	EH 75	EH 100	EH 75 C	EH 100 C
A	inch mm	4.1 105	5.1 130	5.1 130	3.5-6.8 <sup>1</sup> 90-172 <sup>1</sup>				4.9 125	4.9 125	3.9 100	4.9 125	4.9 125	6.9 176
B	inch mm	2.8 70	2.7 68	2.7 68	2.8 70	2.8 70	2.7 68	2.7 68	2.7 68	2.7 68	2.7 68	2.7 68	2.7 68	2.7 68
C	inch mm	11.2 285	11.6 295	11.6 295	11.6 295	11.6 295	11.6 295	11.6 295	11.8 300	11.8 300	11.6 295	11.8 300	11.8 300	12.6 320
D	inch mm	0.9 25	1.4 35	1.4 35	0.9 25	1.4 35	1.4 35	1.4 35	1.6 40	1.6 40	1.4 35	1.6 40	1.6 40	2.4 60
E	inch mm	7.8 198	8.7 220	8.7 220	7.4 188	7.4 188	8.6 218	8.6 218	11.1 283	11.1 283	8.6 218	11.1 282	11.1 282	15 382
F*	inch mm	27.8 705	29.5 750	32.3 820	39.3 998	39.3 998	43.0 1090	43.0 1090	44.9 1140	44.9 1140	59.2 1500	59.2 1500	59.2 1500	59.2 1500
G	inch mm	5.4 138	8.4 213	7.9 200	6.7 170	6.7 170	12.6 320	12.6 320	16.5 420	16.5 420	18.9 480	22.6 575	18.9 480	22.6 575
H	inch mm	1.7 44	2 53	2.8 70	2.8 70	2.8 70	3.9 100	3.9 100	3.9 100	3.9 100	4.7 120	4.7 120	4.7 120	4.7 120
J	inch mm	7.6 192	7.3 185	10.5 266	13.8 350	13.8 350	13.0 330	13.0 330	13.4 340	13.4 340	17.9 455	18.5 470	17.9 455	18.5 470
K	inch mm	22.8 580	23.6 600	23.6 600	43.3 1100	43.3 1100	55.1 1400	55.1 1400	61.0 1550	61.0 1550	118.9 3020	124.8 3170	68.90 1750	75.98 1930
L	inch mm	12.1 308	14.5 367	14.5 367	17.7 450	17.7 450	21.3 540	21.3 540	21.3 540	21.3 540	32.5 825	32.5 825	32.5 825	32.5 825
M	inch mm	10.5 266	12.8 325	12.8 325	17.7 450	17.7 450	21.3 540	21.3 540	21.3 540	21.3 540	27.8 706	27.8 706	23.4 670	27.8 706

<sup>1</sup>Depending on beam width

\*Chain containers increase the hoist headroom



# JDN ULTRA-LOW MONORAIL HOISTS

## CAPACITIES:

1 T UP TO 100 T

AIR PRESSURE: 6 BAR

Where loads have to be lifted and transported in extremely reduced spaces the **JDN Ultra-Low Monorail Hoists** provide the ideal solution. For example the Ultra-Low Monorail Hoist with a load capacity of 6 t has a headroom of only 230 mm.

## STANDARD FEATURES

- Ideally suited for working in hazardous areas (explosion risk)
- Insensitive to humidity, dust and temperatures from -20°C up to +70°C
- Extremely low headroom
- Low air consumption
- Available with increased spark protection

## TECHNICAL DATA

Type		UH 1	UH 2	UH 4	UH 6	UH 8	UH 12	UH 16	UH 25
Capacity	mt	1	2	4	6	8	12	16	25
Air pressure	psi bar	85 6	85 6	85 6	85 6	85 6	85 6	85 6	85 6
Number of chain strands		2 x 1	2 x 2	2	2	4	4	4	–
Motor output	kW	1	1	2.5	2.5	2.5	2.5	2.5	6.3
Lifting speed at full load	ft/min m/min	16.4 5	8.2 2.5	9.8 3	6.6 2	4.6 1.4	3 0.9	2.1 0.65	4.3 1.3
Lifting speed without load	ft/min m/min	32.8 10	16.4 5	19.7 6	14.8 4.5	9.5 2.9	7.2 2.2	3.9 1.2	8.2 2.5
Lowering speed at full load	ft/min m/min	32.8 10	16.4 5	24.6 7.5	17.1 5.2	11.8 3.6	8.2 2.5	4.9 1.5	8.2 2.5
Air consumption at full load – lifting	cfm m³/min	42.3 1.2	42.3 1.2	141.3 4	141.3 4	141.3 4	141.3 4	141.3 4	229.7 6.5
Air consumption at full load – lowering	cfm m³/min	53 1.5	53 1.5	194.3 5.5	194.3 5.5	194.3 5.5	194.3 5.5	194.3 5.5	102.5 2.9
Air connection		G ½	G ½	G ¾	G ¾	G ¾	G ¾	G ¾	G 1 ½
Hose dimension (Ø inside)	inch mm	½ 13	½ 13	¾ 19	¾ 19	¾ 19	¾ 19	¾ 19	1 ½ 35
Weight with standard lift	lbs kg	min. 364* max. 165*	max. 452* max. 205*	1014 460	1036 470	1190 540	1213 550	1235 560	3307 1500
Chain dimension	mm	7 x 21	7 x 21	13 x 36	13 x 36	13 x 36	13 x 36	13 x 36	16 x 45
Weight of chain	lbs/ft kg/m	0.67 1.0	0.67 1.0	2.6 3.8	2.6 3.8	2.6 3.8	2.6 3.8	2.6 3.8	3.9 5.8
Standard lift	ft m	10 3	10 3	10 3	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	6.5 2	6.5 2	6.5 2
Noise level at full load <sup>1</sup> – lifting	dB(A)	76	76	78	78	78	78	78	80
Noise level at full load <sup>1</sup> – lowering	dB(A)	78	78	80	80	80	80	80	84

<sup>1</sup>Measured at 1 m distance acc. to DIN 45635 part 20

Group mechanism: M3 (1 Bm)

Technical data for higher capacities on request.

\*Depending on beam width

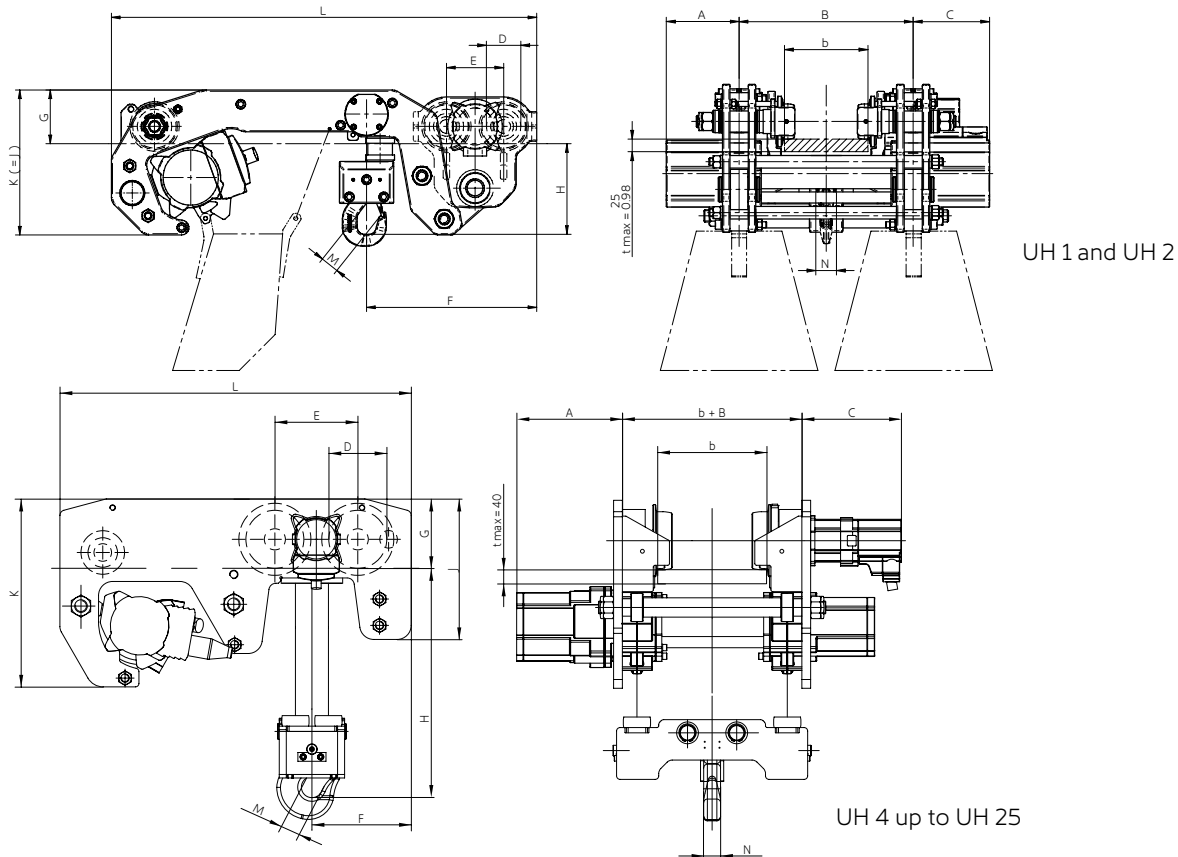


UH 100

## DIMENSIONS

Type		UH 1	UH 2	UH 4	UH 6	UH 8	UH 12	UH 16	UH 25
A	inch	5.7	5.7	7.68	12.01	7.68	12.01	12.01	15.04
	mm	145	145	195	305	195	305	305	382
B	inch	11.3-18.3	11.3-18.3	7.87	7.87	7.87	7.87	7.87	9.06
	mm	286-466	286-466	200	200	200	200	200	230
b	inch	3-12.2	3-12.2	–	–	–	–	–	10.83-14
	mm	76-310	76-310	–	–	–	–	–	275-355
C	inch	5.98	5.98	11.16	11.16	11.16	11.16	11.16	11.81
	mm	152	152	284	284	284	284	284	300
D	inch	2.76	2.76	6.50	6.50	6.50	6.50	6.50	9.84
	mm	70	70	165	165	165	165	165	250
E	inch	4.57	4.57	9.29	9.29	9.29	9.29	9.29	13.39
	mm	116	116	236	236	236	236	236	340
F	inch	12.48	13.58	12.99	12.99	11.14	11.14	11.14	14.96
	mm	317	345	330	330	283	283	283	380
G	inch	4.29	4.29	7.78	7.78	7.78	7.78	7.78	11.1
	mm	109	109	197.5	197.5	197.5	197.5	197.5	282
H	inch	6.85-7.2	7.1-7.56	–	–	–	–	–	18.5
	mm	174-183	180-192	–	–	–	–	–	470
H min. 150 ≤ b ≤ 310	inch	–	–	9.06	9.06	–	–	–	–
	mm	–	–	230	230	–	–	–	–
H min. 150 ≤ b ≤ 230	inch	–	–	–	–	11.61	11.61	13.15	–
	mm	–	–	–	–	295	295	334	–
H min. 230 ≤ b ≤ 310	inch	–	–	–	–	10.87	10.87	12.40	–
	mm	–	–	–	–	276	276	315	–
J	inch	11.57	11.57	15.75	15.75	15.75	15.75	15.75	25.08
	mm	294	294	400	400	400	400	400	637
K	inch	11.57	11.57	21.06	21.06	21.06	21.06	21.06	33.86
	mm	294	294	535	535	535	535	535	860
L	inch	33.94	33.94	39.37	39.37	39.37	39.37	39.37	53.15
	mm	862	862	1000	1000	1000	1000	1000	1350
M	inch	1.1	1.1	1.57	1.57	1.73	1.73	2.09	2.76
	mm	28	28	40	40	44	44	53	70
N	inch	1.61	1.61	2.01	2.01	2.60	2.60	3.23	3.15
	mm	41	41	51	51	66	66	82	80
t max.	inch	0.98	0.98	1.57	1.57	1.57	1.57	1.57	3.54
	mm	25	25	40	40	40	40	40	90

Dimensions for higher capacities on request.



## CAPACITIES: 20 T UP TO 200 T

BOP handling systems from J.D. Neuhaus are recognised for their reliable, robust and efficient operation on land and on jack-up and semi-submersible drilling platforms. The monorail air hoists (EH) in our BOP handling systems feature a compact design with low installation height. They can be used as double hoists in standard BOP handling systems or, when linked together with a coupling rod, can be operated as a 4-point BOP handling system. For extremely low headrooms we recommend our ultra-low hoists from the UH series. Alternatively, all BOP handling systems are available with hydraulic drives.



## OPTIONS

- Offshore version for special corrosion protection under tough weather conditions (salty, moist air) on sea and land
- Offshore paint finish
- Rack and pinion drive
- Delta-P overload protection
- Ultra-low hoists
- Pneumatic, hydraulic or electric remote control
- Load display systems
- Radio remote control
- Articulated trolleys for limited side pulling
- Individual acceptance by the authorised companies of your choice
- Special versions according to your requirements
- Cryogenic versions down to -45°C

Ultra-Flachhubwerk  
BOP Handling System  
BHU 200

## TECHNICAL DATA

Type		BH 20	BH 32	BH 40	BH 50	BH 75	BH 100	BH 150	BH 200
Consisting of 2 units		EH10	EH16	EH20	EH25	EH37	EH50	EH75	EH100
Capacity	mt	20	32	40	50	75	100	150	200
Weight with standard lift	lbs kg	1984 900	2535 1150	2734 1240	4409 2000	6614 3000	7275 3300	17637 8000	25133 11400
Standard lift	ft m	10 3	10 3	10 3	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	6.5 2	6.5 2	6.5 2

# JDN HOISTS FOR USE IN THE TOUGHEST CONDITIONS

## JDN SUBSEA HOISTS



PROFI 6TI Subsea

### THE ULTIMATE TOOL FOR EVERY PROFESSIONAL DIVER

The JDN PROFI Subsea series is available with air or hydraulic drives. As well as a sensitive control system, the PROFI hoists are equipped with an overload protection. PROFI subsea hoists are a versatile and indispensable tool for professional divers and are suitable for horizontal work as well as for oblique pulling.

### ADVANTAGES

- Air or hydraulic drive
- Infinitely variable speeds can be regulated sensitively
- With overload protection
- Very versatile, also suitable for horizontal and oblique pulling thanks to hook suspension

## JDN CRYOGENIC HOISTS

### NOT ONLY SUITABLE FOR BOP HANDLING IN ARCTIC AREAS:

The temperature range of standard JDN hoists is  $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ . JDN has developed hydraulic hoists for applications at temperatures as low as minus  $45^{\circ}\text{C}$ , such as BOP handling in arctic areas. To enable these hydraulic drives to be used under such extreme temperatures, they are fitted with a device that pre-heats the drives to a temperature of  $-25^{\circ}\text{C}$  before being operated. This is achieved directly by means of the standard hydraulic supply. JDN hydraulic hoists are designed to be operated with low-temperature hydraulic fluids and can be operated efficiently at temperatures from  $-45^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$ .

### ADVANTAGES

- Application range  $-45^{\circ}\text{C}$  to  $+40^{\circ}\text{C}$
- Hydraulic drive
- Easy starting thanks to pre-heating device for the drives
- Operation with low-temperature hydraulic fluid
- Tested under real conditions and in use in Siberia



EH 20-H

**Do you need a hoist for toughest conditions? Then contact us.**



## HYDRAULIC HOISTS PROFI / HYDRAULIC MONORAIL HOISTS CAPACITIES: 3 T UP TO 100 T

JDN Hydraulic Hoists and Hydraulic Monorail Hoists are available with capacities from 3 t up to 100 t. Depending on motor size these hoists work with an intake pressure of 130 bar up to 180 bar. Pressure fluid: Oil.

### ADVANTAGES

- Ideally suited for working in hazardous areas (explosion risk)
- Extremely low noise emissions
- Fully enclosed highly robust gear motor
- Integrated overload protection
- Only two supply connections at hoist "P" and "T", leakage oil drained internally
- The drive is hermetically sealed off from the environment

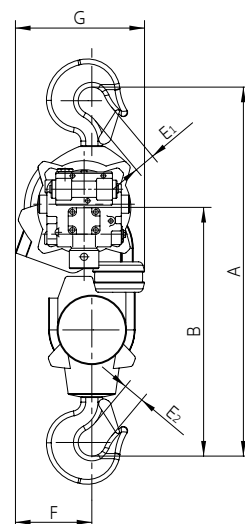


PROFI 6 TI-H

# HYDRAULIC HOISTS PROFI 3 TI-H UP TO 20 TI-H

## TECHNICAL DATA

Type		3 TI-H	6 TI-H	10 TI-H	16 TI-H	20 TI-H
Capacity	mt	3.2	6.3	10	16	20
Intake pressure	psi bar	1885 130	1885 130	1885 130	1885 130	1885 130
Intake volume	cfm l/min	1.7 48	1.7 48	1.7 48	1.7 48	1.7 48
Number of chain strands		1	2	2	3	4
Motor output	kW	3.5	3.5	3.5	3.5	3.5
Motortype		KM 1/16	KM 1/16	KM 1/16	KM 1/16	KM 1/16
Lifting speed at full load	ft/min m/min	13.1 4.0	6.6 2.0	3.9 1.2	2.6 0.8	2.0 0.6
Lifting speed without load	ft/min m/min	14.8 4.5	7.6 2.3	4.1 1.25	2.7 0.82	2.0 0.6
Lowering speed at full load	ft/min m/min	14.8 4.5	7.6 2.3	4.3 1.3	2.8 0.85	2.1 0.65
Lowering speed without load	ft/min m/min	14.8 4.5	7.6 2.3	4.3 1.3	2.8 0.85	2.1 0.65
Connection		G ½	G ½	G ½	G ½	G ½
Hose dimension		DN 12	DN 12	DN 12	DN 12	DN 12
Weight at standard lift with control	lbs kg	198.4 90	251.3 114	352.7 160	538.0 244	637.1 289
Chain dimension	mm	13 x 36	13 x 36	16 x 45	16 x 45	16 x 45
Weight of chain	lbs/ft kg/m	2.6 3.8	2.6 3.8	3.9 5.8	3.9 5.8	3.9 5.8
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

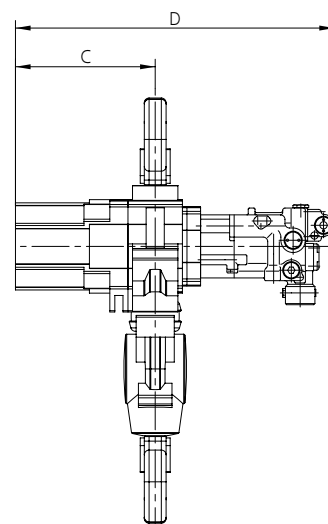


Group mechanism: M3 (1 Bm)

## DIMENSIONS

Type		3 TI-H	6 TI-H	10 TI-H	16 TI-H	20 TI-H
A smallest headroom <sup>1</sup>	inch / mm	23.4 / 593	26.5 / 674	32 / 813	35.4 / 898	40.6 / 1030
B	inch / mm	14.7 / 373	17.9 / 454	21.6 / 548	23.5 / 598	26.4 / 670
C	inch / mm	9.2 / 233	9.2 / 233	12.2 / 308	15 / 382	15 / 382
D	inch / mm	22.8 / 578	22.8 / 578	26.4 / 670	31 / 787	31 / 787
E1	inch / mm	1.6 / 40	1.6 / 40	1.8 / 44	2.1 / 53	2.8 / 70
E2	inch / mm	1.2 / 30	1.6 / 40	1.8 / 44	2.1 / 53	2.8 / 70
F	inch / mm	7.4 / 187	6.1 / 154	7.8 / 197	7.8 / 199	7.1 / 180

<sup>1</sup>Chain containers increase the hoist headroom



# JDN HYDRAULIC HOISTS AND MONORAIL HOISTS

## HYDRAULIC HOISTS PROFI 25 TI-H UP TO 100 TI-H

### TECHNICAL DATA

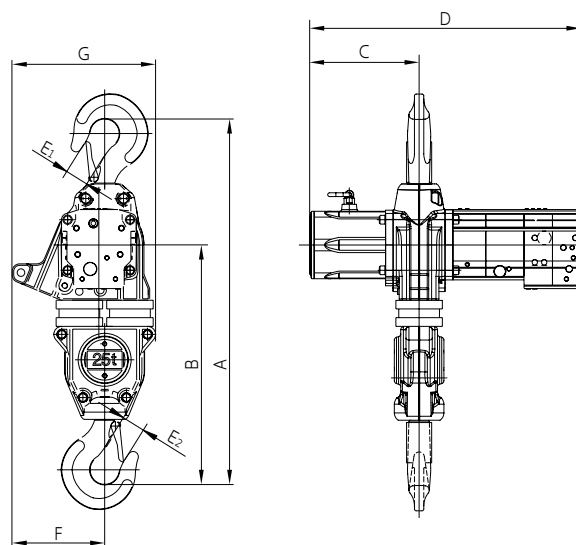
Type		25 TI-H	37 TI-H	50 TI-H	75 TI-H	100 TI-H
Capacity	mt	25	37.5	50	75	100
Intake pressure	psi bar	2176 150	2176 150	2176 150	2611 180	2611 180
Intake volume	cfm l/min	2.8 80	2.8 80	2.8 80	3.0 85	3.0 85
Number of chain strands		2	3	4	3	4
Motor output	kW	6	6	6	9	9
Motor type		KM 2/32	KM 2/32	KM2/32	KM2/32	KM2/32
Lifting speed at full load	ft/min m/min	3.6 1.1	2.3 0.7	1.6 0.5	1.7 0.53	1.3 0.4
Lifting speed without load	ft/min m/min	3.9 1.2	2.6 0.8	1.6 0.5	2.0 0.6	1.5 0.45
Lowering speed at full load	ft/min m/min	3.9 1.2	2.6 0.8	1.6 0.5	2.0 0.6	1.5 0.45
Lowering speed without load	ft/min m/min	3.9 1.2	2.6 0.8	1.6 0.5	2.0 0.6	1.5 0.45
Connection		G ¾	G ¾	G ¾	G ¾	G ¾
Hose dimension		DN 16	DN 16	DN 16	DN 16	DN 16
Weight with standard lift and control	lbs kg	1282 583	2123 965	2068 940	4079 1850	4519 2050
Chain dimension	mm	23.5 x 66	23.5 x 66	23.5 x 66	32 x 90	32 x 90
Weight of chain	lbs/ft kg/m	8.2 12.2	8.2 12.2	8.2 12.2	14.3 21.3	14.3 21.3
Standard lift	ft m	10 3	10 3	10 3	10 3	10 3
Length of control with standard lift	ft m	6.5 2	6.5 2	6.5 2	6.5 2	6.5 2

Group mechanism: PROFI 25 TI-H – PROFI 100 TI-H M3 (1 Bm)

### DIMENSIONS

Type		25 TI-H	37 TI-H	50 TI-H	75 TI-H	100 TI-H
A smallest headroom <sup>1</sup>	inch mm	50.5 1282	57.7 1466	66.9 1700	76.0 1930	76.0 1930
B	inch mm	37.3 948	36.8 935	45 1144	49.2 1250	49.2 1250
C	inch mm	15.5 393	14.8 377	17.4 442	32.5 825	32.5 825
D	inch mm	42.1 1069	40.8 1037	48.6 1235	64.4 1635	64.4 1635
E <sub>1</sub>	inch mm	2.8 70	3.9 100	3.9 100	4.7 120	4.7 120
E <sub>2</sub>	inch mm	2.8 70	3.9 100	3.9 100	4.7 120	4.7 120
F	inch mm	18.4 466	20.4 518	12.2 310	15.9 405	14.4 365
G	inch mm	24 610	29.3 745	21.2 539	23.6 600	23.6 600

<sup>1</sup>Chain containers increase the hoist headroom



# HYDRAULIC MONORAIL HOISTS EH 20-H UP TO EH 100-H

## TECHNICAL DATA

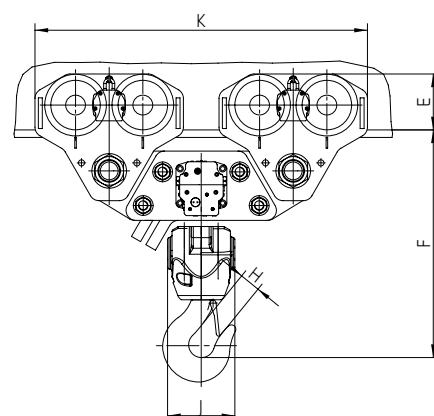
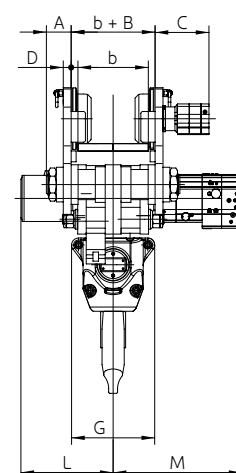
Type		EH 20-H	EH 25-H	EH 37-H	EH 50-H	EH 75-H	EH 100-H
Capacity	mt	20	25	37.5	50	75	100
Intake pressure	psi bar	1885 130	2176 150	2176 150	2176 150	2611 180	2611 180
Intake volume	cfm l/min	1.7 48	2.8 80	2.8 80	2.8 80	3 85	3 85
Number of chain strands		4	2	3	4	3	4
Motor output – Trolley	kW	0.7	1.4	1.4	1.4	2.8	2.8
Motor output – Hoist	kW	3.5	6	6	6	9	9
Motor type – Trolley		KM1/8	KM1/8	KM1/8	KM1/8	KM1/8	KM1/8
Motor type – Hoist		KM1/16	KM2/32	KM2/32	KM2/32	KM2/32	KM2/32
Lifting speed at full load	ft/min m/min	2.0 0.6	3.6 1.1	2.3 0.7	1.6 0.5	1.7 0.53	1.3 0.4
Lifting speed without load	ft/min m/min	2.0 0.6	3.9 1.2	2.6 0.8	2 0.6	2 0.6	1.5 0.45
Lowering speed at full load	ft/min m/min	2.1 0.65	3.9 1.2	2.6 0.8	2 0.6	2 0.6	1.5 0.45
Lowering speed without load	ft/min m/min	2.1 0.65	3.9 1.2	2.6 0.8	2 0.6	2 0.6	1.5 0.45
Travelling speed at full load	ft/min m/min	39.4 12	39.4 12	39.4 12	39.4 12	39.4 12	39.4 12
Connection		G ½	G ¾	G ¾	G ¾	G ¾	G ¾
Hose dimension		DN 12	DN 16	DN 16	DN 16	DN 16	DN 16
Weight with standard lift and control	lbs kg	1584 720	2310 1050	3410 1550	4136 1880	8378 3800	11354 5150
Chain dimension	mm	16 x 45	23.5 x 66	23.5 x 66	23.5 x 66	32 x 90	32 x 90
Weight of chain	lbs/ft kg/m	3.9 5.8	8.2 12.2	8.2 12.2	8.2 12.2	14.3 21.3	14.3 21.3
Standard lift	ft m	10 3	10 3	10 3	10 3	10 3	10 3
Length of control with standard lift	ft m	6.5 2	6.5 2	6.5 2	6.5 2	6.5 2	6.5 2

Group mechanism: EH 20-H – EH 100-H M3 (1 Bm)

## DIMENSIONS

Type		EH 20-H	EH 25-H	EH 37-H	EH 50-H	EH 75-H	EH 100-H
A <sup>1</sup>	inch mm	5.1 130	5.8 146	5.8 146	4.9 125	3.9 100	4.9 125
B	inch mm	2.7 68	2.8 70	2.8 70	2.7 68	2.7 68	2.7 68
C	inch mm	10.5 267	10.1 257	10.5 267	10.7 272	8.9 225	9.1 230
D	inch mm	1.4 35	1 25	1 25	1.6 40	1.4 35	1.6 40
E	inch mm	8.7 220	7.8 198	8.7 220	11.1 283	8.6 218	11.1 282
F <sup>1</sup>	inch mm	32.3 820	39.3 998	42.1 1070	45.3 1150	59.1 1500	59.1 1500
G	inch mm	7.9 200	6.7 170	7.5 190	16.5 420	18.9 480	22.6 575
H	inch mm	2.8 70	2.8 70	3.9 100	3.9 100	4.7 120	4.7 120
J	inch mm	10.5 266	13.8 350	17.9 455	13.4 340	17.9 455	18.5 470
K	inch mm	23.6 600	46.7 1185	68.1 1730	66.1 1680	118.9 3020	124.8 3170
L	inch mm	14.5 367	14.8 377	14.8 377	18.2 462	32.5 825	32.5 825
M	inch mm	16.5 420	22.1 562	22.1 562	27.0 687	31.7 805	31.7 805

<sup>1</sup>Chain containers increase the hoist headroom



EH 25-H



EH 20-H

## THE DELIVERY PROGRAMME COMPRISES EXPLOSION-PROOF

- Top running overhead travelling cranes
- Under hung overhead travelling cranes
- Jib cranes

which can be designed to your individual needs, customised installations are our speciality. Depending on your requirements JDN air hoists in motor trolleys or monorail hoist systems are integrated into the crane design. An ergonomically designed pneumatic pendant control is supplied with two speed control as standard for crane and trolley travel. Infinitely variable hoist and trolley speed control is also available.

## DIFFERENT JDN CRANES IN DETAIL

- Overhead cranes with single or double girder design
- Underhung cranes including low headroom design
- Jib cranes
- Cranes with in line mechanically linked synchronised hoists
- Cranes with parallel operating hoists
- Capacities up to 100 t
- Crane spans up to 36 m

Explosion-protected **JDN Crane Systems** are the right choice for the most challenging environmental conditions, whether onshore or offshore. Available in air drive or hydraulic drive versions.



## JDN CRANE KITS FOR EXPLOSION-PROOF AIR CRANES

### CAPACITIES: UP TO 10 T

J.D. Neuhaus can offer crane manufacturers crane component kits complete with pneumatic crane drives. With these crane kits overhead travelling cranes up to 10 t capacity can be built very simply and economically, especially for applications in hazardous areas.

The crane manufacturer provides the main girder and JDN delivers all the components that are necessary to build an air powered crane of their chosen design:

- End carriages with pneumatic drives
- Energy feeding systems
- Safety accessories
- And of course the appropriate air hoist with trolley

## JDN ACCESSORIES TAILORED TO YOUR INDIVIDUAL NEEDS

We offer a wide range of accessories designed to ensure that JDN standard products are suitable for your specific applications. This means, for example, that you can meet very specific safety requirements, adjust performance capacity or make operations even more convenient.

- Filter silencer
- Filter regulator
- Service unit
- Main air emergency-stop valve
- Chain box
- Special grease cartridge for oil-free operation, volume 250 ml
- Limit switch for lifting and travelling
- Booster valve (control lengths over 12 m)
- Extension arm for control on motorised trolley
- Additional suspension for chain box (for installation in trolley)
- Copper-plated load hook for increased spark protection
- Stainless steel load hook (up to 750 kg capacity)
- Stainless steel chain (reduced capacity) up to 6 TI
- Manual emergency lowering device for PROFI 3 TI–20 TI hoists
- Special paint finishes



# JDN EXPLOSION PROTECTION

## JDN EXPLOSION PROTECTION CLASSIFICATION AND MARKING

Hoists and cranes from J.D. Neuhaus have an unbeatable advantage over electrically-driven lifting equipment: Even the standard versions are suitable for use in explosion-hazardous areas.

If you have any questions about the topic of explosion protection, please contact our sales team. We will be happy to advise you.



## WHAT EXACTLY DO THE MARKINGS MEAN?

 II 3G Ex h IIB T4 Gc X  
II 3D Ex h IIIB T130°C Dc X

### MARKING FROM ATEX

Zone	Mining	0		1		2	
		Gas	Dust	Gas	Dust	Gas	Dust
Equipment group	I	II					
Equipment category	M1 or M2	1G	1D	2G	2D	3G	3D

### IGNITION PROTECTION TYPE

Non-electrical explosion protection is always assigned the marking code "h" irrespective of the version. JDN uses constructive explosion protection.

### EXPLOSION GROUP

Mining	Gas		Dust	
-	IIA	E.g. propane	IIIA	Flammable lint
	IIB	E.g. ethylene	IIIB	Non-conductive dust
	IIC	E.g. hydrogen	IIIC	Conductive dust

### MAXIMUM SURFACE TEMPERATURE

Mining	Gases		Dusts
-	T1	450°C	T...°C
	T2	300°C	
	T3	200°C	
	T4	135°C	
	T5	100°C	
	T6	85°C	

For areas with a risk of dust explosion, the maximum permissible surface temperature of the device is specified explicitly; for areas with a risk of gas explosion, the maximum surface temperature is divided into a temperature class.

### EQUIPMENT PROTECTION LEVEL „EPL“

Zone	Mining	0		1		2	
		Gas	Dust	Gas	Dust	Gas	Dust
EPL	Ma or MB	Ga	Da	Gb	Db	Gc	Dc

### ADDITIONAL MARKING

The additional marking "X" refers to particular operating conditions that are specified in the operating instructions.

JDN AIR HOISTS AND CRANES ARE AVAILABLE WITH VARIOUS CONTROLS TO SUIT YOUR SPECIAL NECESSITIES.



## ROPE CONTROL

### **Suitable for any control length:**

This control type provides infinitely speed control for hoist lifting and lowering motions and is suitable for any required control length. The rope control option is available for all PROFI series hoists up to 25 t capacity. For larger capacity PROFI series hoists 37 TI, 50 TI and 100 TI the rope is replaced by a pull chain for greater strength.



## FI-CONTROL

### **Sensitive control, for easy handling:**

The FI-Control provides precise infinitely variable speed control and the ergonomically designed synthetic housing ensures comfortable handling for the operator. The use of corrosion resistant materials makes it suitable for use in aggressive atmospheres, with the control hoses enclosed in an outer sheath which protects them from external conditions.



## E-CONTROL

### **Low maintenance, corrosion-proof:**

The very robust brass construction distinguishes the E-type pendant control valve. Low weight and ergonomic design ensure ease of handling. Only available in single speed control version.



## F-CONTROL

### Available for multi-function use:

The F-control is manufactured from an unbreakable synthetic material, resistant to external conditions. The ergonomically designed housing ensures ease of handling. Up to 18 different control functions can be incorporated in a single pendant control e.g key switch, two stage travelling speed, klaxon or simultaneous control of two hoist motors. As an option the F-control can also be delivered with infinitely variable speed control of hoisting and trolley travelling motions.

### CONTROLS FOR JDN AIR HOISTS IN MOTOR TROLLEY AND JDN MONORAIL HOISTS

For controlling JDN air hoists in motor trolleys and JDN monorail hoists we recommend the four button version of the E or F-control. The rope control option is also available.

### CONTROLS FOR JDN AIR CRANES

For controlling JDN air cranes the F-control is the most suitable because of its multi-function capability.



JDN transmitter RC-X



JDN transmitter RC-S



JDN transmitter RC-SP

## RADIO REMOTE CONTROLS FOR JDN HOISTS AND CRANE SYSTEMS

### THE INNOVATION: COMPACT RECEIVER JDN-RC STANDARDISES HOIST AND CRANE CONTROL.

JDN has developed a new concept for controlling hoists and crane systems. The biggest advantage of the new JDN receiver is its solid and extreme compact design.

All components are accommodated in a space-saving shock-resistant GRP casing with protection class IP 65.

The well-designed construction facilitates an easy installation. Even existing JDN products can be retrofitted due to the standardised interface of the JDN-RC. The receiver can be mounted on the hoist or the trolley or at separate location side.

JDN radio controls are suitable for use up to ATEX zone 2/22.

A series of supply systems are available for powering JDN Air Hoists in trolleys, monorail hoists and crane systems:

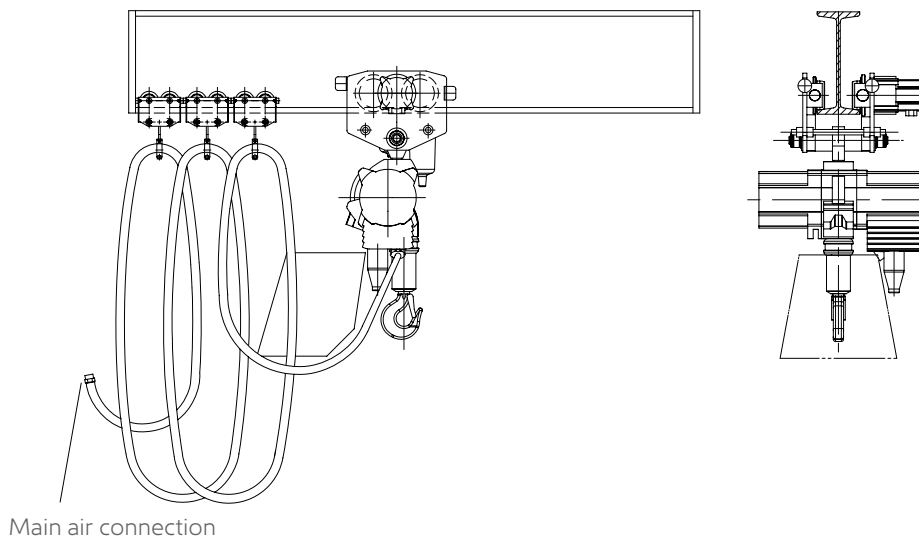
- Hose trolleys
- Spiral hose
- Square bar or C rail
- Energy chain

## HOSE TROLLEYS

The hose is fastened to trolleys, which roll directly on the bottom flange of the beam. With each horizontal move of the hoist along the beam, the hose trolleys make the hose follow suit. The hose trolleys will be used for short distances or if there is not enough space on the side of the beam to install C or square bars.

### YOUR ADVANTAGES:

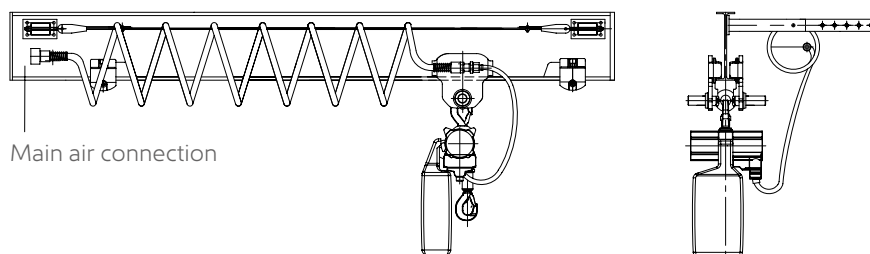
- Easy to install
- Cost-efficient
- Consisting of: Hose carriages and hose



## SPIRAL HOSE

This simple and economical solution is suitable for distances of up to 10 metres. The hose rings are suspended on a plastic-coated rope that runs parallel to the track.

The spiral hose can be used in category 3 (zone 2) with gases in explosion group IIA and IIB. It is not suitable for applications in category 2 (zone 1) or group IIC.



### Practical tip:

Make sure to lay the hose so that its extended length is roughly 1.5 times the required distance.

- Consisting of: Tensioning arms, rope tensioners, hose and rope

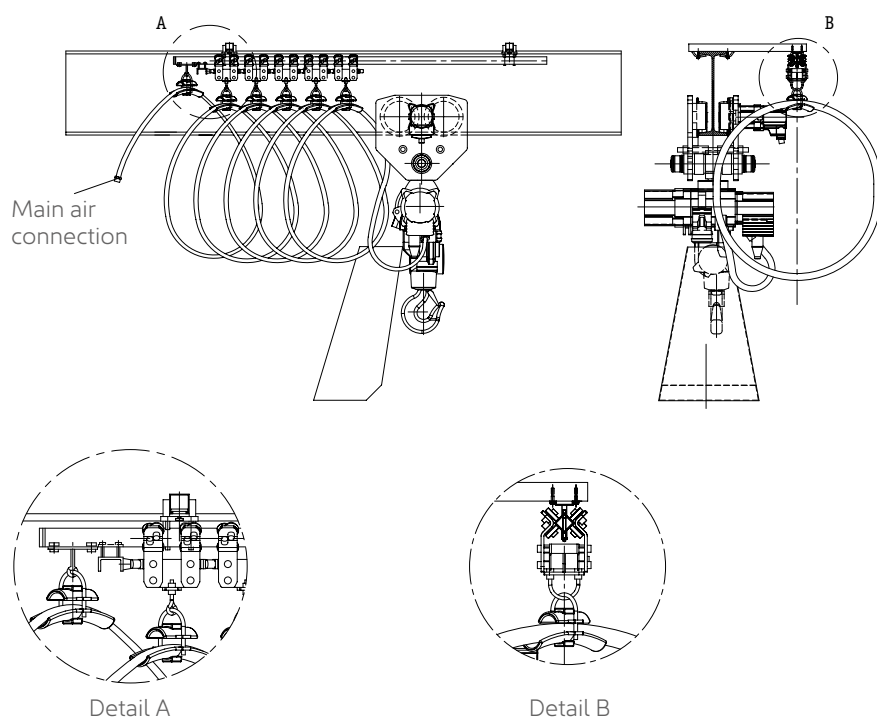
## SQUARE BAR & C RAIL

Galvanised C rails or square bars are installed along the beam to carry the energy supply lines.

### SQUARE BAR

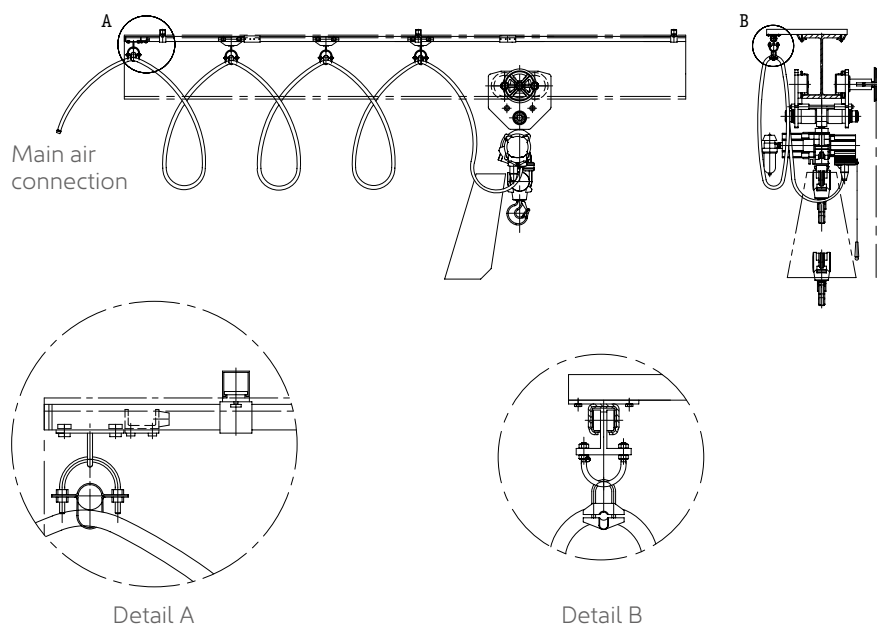
Depending on the local conditions, rails and curved tracks of different lengths are available, as well as an extensive range of installation accessories. The square bar is also suitable for curved tracks.

- Consisting of: Square bars, tensioning arms, hose, hose supports and supply line carriages



### C RAIL

- Consisting of: C rails with support, adapter, antistatic supply hose and hose support. The supports must be attached to the upper flange of the beam.



## ENERGY CHAIN

### **DIE ENERGY CHAIN FOR TROLLEY DRIVE OF OVERHEAD TRAVELLING CRANES**

The energy supply for trolley drive in overhead travelling cranes is realised by a horizontal version of the energy chain. A guide channel is mounted on the girder with the chain gliding inside. Air distribution and the control box are also attached to the guide channel. Usually there are two different types of hoses inside the energy chain: The air hose, which feeds the hoisting motor and the trolley motor, and the control hose for crane control functions.

In case of low headroom requirements choose vertical installed energy chain, like the supply for trolleys in underslung cranes.

### **ENERGY CHAIN FOR CRANE DRIVE OF OVERHEAD TRAVELLING CRANES**

The energy supply for crane drive in overhead travelling cranes is realised by a vertical installation of the energy chain. The necessary guide channel system is mounted with clamped brackets on the bottom flange. If different profile sizes for the bottom flange are used because varying in support spacing, the brackets may be clamped to the top flange. The clamped brackets can be used for all the normal steel girder sections (with flange thickness 7-40 mm (0.28-1.57inch)).

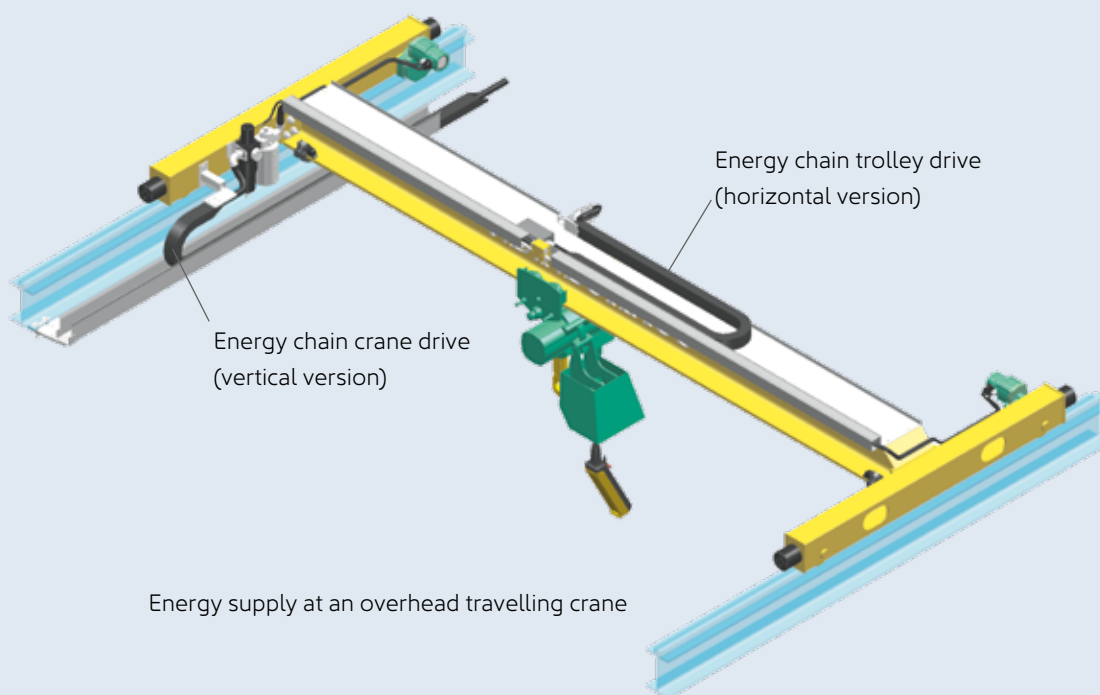
The energy chain carries air hoses inside, which supply the hoisting motor, driving motors as well as the control hoses of the crane. In addition it is possible to install further control hoses and electric cables inside the energy chain.

The main air connection of the energy supply is located midway of the crane travel distance.

### **ENERGY CHAIN FOR TROLLEY AND CRANE DRIVE OF UNDERSLUNG CRANES**

The energy supply for hoists with trolley and for crane drives in underslung cranes is realised by a vertical installation of the energy chain. The guide channel system is mounted with c-consoles, which are clamped by claws on the top flange of the girder. The dimensions of the c-consoles are depending on the used girder.

Supply air hoses for hoisting and travelling as well as control hoses are installed in the energy chain.





## MORE SAFETY FOR YOU, AROUND THE WORLD

### JDN GLOBAL SERVICE

Maximum operating safety results in ensured productivity. That's our promise for your JDN products and systems. As a J.D. Neuhaus hoist or crane system operator, you know thanks to your own experience that our products are exemplary when it comes to reliability and longevity.

### MAXIMISE THE POTENTIAL OF LONGEVITY

Is it possible to increase the profitability of an investment and simultaneously reduce the risk of production downtime? Yes, it is! By carefully planning ahead. With JDN Service at your side, you ensure the continuous operational availability of your JDN hoists. And: With regular maintenance, you simultaneously ensure the maximum longevity of your JDN products.

### BENEFIT FROM THE ADVANTAGES OF THE MANUFACTURER

Long downtimes and a lack of operational safety of a system are absolutely the worst case scenario for every conscientious manager. Your best defence in this case is a service partnership with J.D. Neuhaus, since nobody knows JDN products better than their designer and manufacturer, which means us. Nobody can supply you with original spare parts or replacement products quicker and cheaper than we can.

### USE THE EXPERTISE OF THE WORLD'S MARKET LEADER

So what does it mean to you to purchase products and services from a single provider, the world's market leader in pneumatic and hydraulic hoists? This means one less thing to worry about. We manage your JDN products during their entire life cycle, we are certified according to ISO 9001 and ISO 14001, and we are a master of every export routine. That's quality of service that takes away your fears and helps you relax.

### EXPERIENCE THE STRENGTH OF THE SERVICE TEAM

What if something happens? You can contact JDN Global Service to help you every day, around the clock with experienced JDN technicians, who have the best training and operate around the world. We diagnose, find a solution, and fix the problem. In any remote corner of the world. We're JDN Global Service. We're prepared for extremes.



"SECURE YOUR PRODUCTIVITY,  
MAXIMISE YOUR OPERATING SAFETY!"

## PROJECT MANAGEMENT

We provide you support from planning to on-site installation of your project at your premises.

Our services for you:

- On-site examination to plan the construction site
- Organisation of the construction site and coordination with all participants
- Provision of technicians
- Approval of the hoists and crane systems according to your specifications
- Approval in cooperation with external certification authorities

## REGULAR INSPECTION

To ensure operational readiness, we complete regular maintenance and inspection of your JDN hoist.

Our services for you:

- Annual maintenance according to legal regulations and our specified maintenance plan
- Addition to our maintenance database and reminder about upcoming planned maintenance
- Maintenance contracts for precise cost controls

## TRAINING

To ensure that smaller repairs and annual maintenance are able to be completed by your own personnel, we provide customer-specific training courses.

Our services for you:

- Training courses at the various JDN service centres
- Training courses at your premises that are especially tailored to your needs
- On-the-job training

## SERVICE KITS

For supply of spare parts on-site. With our service kits, you can rest assured that all of the required replacement parts for a particular module will be available to you.

## REPAIRS

Our service technicians possess the best possible training to complete all repairs and modifications involving your JDN hoisting equipment, even in the case of off-shore applications.

Our services for you:

- Repair and modifications in our own workshops
- Repair and modifications at your premises
- Conversion work in cooperation with our R&D department
- Overload tests

## SPARE PARTS

With speedy spare parts supply, we are able to ensure the operational readiness of your JDN hoisting equipment.

Our services for you:

- Support during selection of the right spare parts
- Configuration of spare parts for your own warehouse
- Worldwide delivery

## GENERAL OVERHAULS

After expiry of the theoretical operating time and after 10 years at the latest, all JDN hoists must be overhauled. This enables us to ensure fault-free operation for many more years.

Our services for you:

- General overhaul in our own service centres and with authorised service partners
- Cooperation with surveyor and re-certifiers
- Complete general overhaul kits

## RENTALS

Do you need hoists for the short term? We can deliver.

Our services for you:

- Quickly available
- Hoists in different capacities
- Adjustment of hoisting equipment to your requirements





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With the issue of this edition all previous  
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