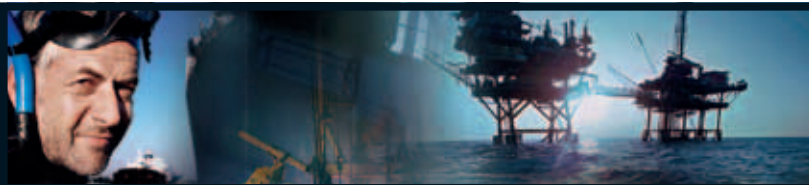


# JDN AIR HOISTS MINI



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

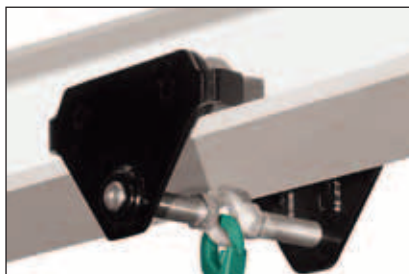
## JDN AIR HOISTS MINI



### The mini series at a glance



Energy supply  
(spiral hose)



Manual trolleys

mini in mani-  
pulator version



Special grease for  
oil-free operation



Galvanised chain  
Corrosion Resistant

Sensitive control  
Precise Positioning

Explosion classification  
 $\text{Ex}$  II 3 GD IIA T4



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

## The JDN mini series for general duty

**Carrying capacities: 275 lbs, 500 lbs, 1,100 lbs, 2,200 lbs**  
**Air pressure: 85 PSI**

The **mini** widens the range of applications as a handy, flexible and universally deployable hoist making it an ideal tool for a wide range of manufacturing and assembly applications.

### mini Manipulator

With the **mini** manipulator loads can be lifted, lowered, manually traversed and positioned with only one hand. Further information on request.

Explosion Classification: II 3 GD IIA T4



mini 250



mini 250  
in manual trolley



mini-  
Manipulator

## The advantages at a glance

- Price competitive alternative when compared to other types of powered hoists.
- Suitable for lube-free operation.
- Suitable for application in hazardous areas.
- Minimum components for ease of maintenance.
- Wear resistant motor braking system.
- Lightweight for easy handling.
- Also suitable for horizontal pulling.
- Extremely sensitive lever control with optional emergency stop, max. control length 20 ft.
- Available lifting heights: up to 26 ft.
- With chain box as standard.
- With manual trolley as option.

## Technical Data

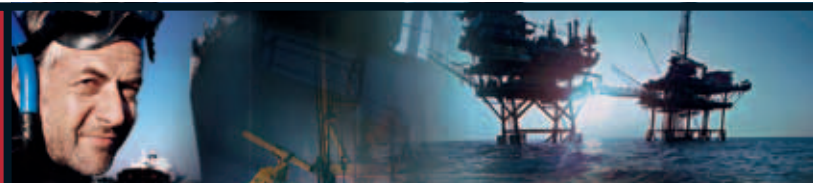
| Type                                             |                     | mini 125           | mini 250 | mini 500 | mini 1000 |
|--------------------------------------------------|---------------------|--------------------|----------|----------|-----------|
| Capacity                                         | lbs                 | 275                | 550      | 1100     | 2160      |
|                                                  | kg                  | 125                | 250      | 500      | 980       |
| Number of chain strands                          |                     | 1                  | 1        | 1        | 1         |
| Motor output                                     | kW                  | 0.4                | 0.4      | 1        | 1         |
| Air pressure                                     | PSI                 | 85                 | 85       | 85       | 85        |
|                                                  | bar                 | 6                  | 6        | 6        | 6         |
| Lifting speed without load <sup>1</sup>          | ft/min              | 130                | 65       | 65       | 33        |
|                                                  | m/min               | 40                 | 20       | 20       | 10        |
| Lifting speed at full load <sup>1</sup>          | ft/min              | 49.5               | 26       | 33       | 16        |
|                                                  | m/min               | 15                 | 8        | 10       | 5         |
| Lowering speed at full load                      | ft/min              | 99                 | 52       | 59       | 33        |
|                                                  | m/min               | 30                 | 16       | 18       | 10        |
| Lowering speed without load                      | ft/min              | 78.7               | 39.4     | 39.4     | 19.7      |
|                                                  | m/min               | 24                 | 12       | 12       | 6         |
| Air consumption at full load – lifting           | cfm                 | 17.5               | 17.5     | 42.5     | 42.5      |
|                                                  | m <sup>3</sup> /min | 0.5                | 0.5      | 1.2      | 1.2       |
| Air consumption at full load – lowering          | cfm                 | 24.7               | 24.7     | 56.5     | 56.5      |
|                                                  | m <sup>3</sup> /min | 0.7                | 0.7      | 1.6      | 1.6       |
| Air connection                                   |                     | G 3/8              | G 3/8    | G 1/2    | G 1/2     |
| Hose dimension (Ø inside)                        | inch                | 3/8                | 3/8      | 1/2      | 1/2       |
|                                                  | mm                  | 9                  | 9        | 13       | 13        |
| Weight with 10 ft / 3 m lift                     | lbs                 | 21                 | 23.1     | 46.2     | 50.6      |
|                                                  | kg                  | 9.5                | 10.5     | 21       | 23        |
| Chain dimension                                  | mm                  | 4 x 12             | 4 x 12   | 7 x 21   | 7 x 21    |
| Weight of chain                                  | lbs/ft              | 0.23               | 0.23     | 0.67     | 0.67      |
|                                                  | kg/m                | 0.35               | 0.35     | 1.0      | 1.0       |
| Height of lift                                   | ft                  | 10/16/26<br>3/5/8  |          |          |           |
|                                                  | m                   |                    |          |          |           |
| Length of control at standard lift               | ft                  | 6.5/13/20<br>2/4/6 |          |          |           |
|                                                  | m                   |                    |          |          |           |
| Noise level at full load <sup>2</sup> – lifting  | dB(A)               | 79                 | 79       | 77       | 77        |
| Noise level at full load <sup>2</sup> – lowering | dB(A)               | 80                 | 80       | 83       | 83        |

Group mechanism: M3 (1 Bm)

<sup>1</sup>Lifting speed at 2 m length of control. Longer control hoses decrease the lifting speeds.

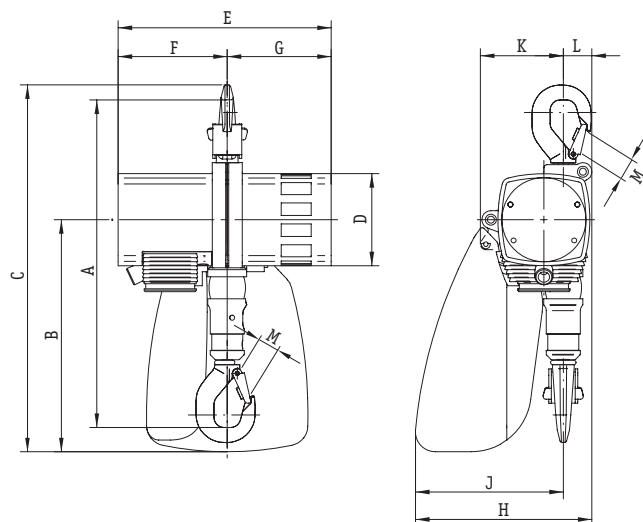
<sup>2</sup>Measured at 1 m distance acc. to DIN 45635 part 20

# JDN AIR HOISTS MINI



## Dimensions

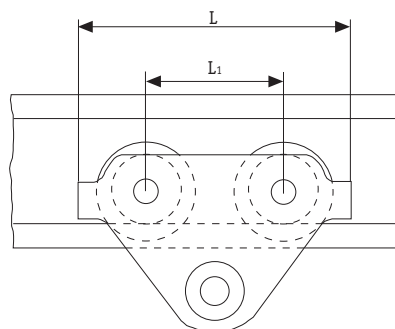
| Type |            | mini 125    | mini 250    | mini 500    | mini 1000   |
|------|------------|-------------|-------------|-------------|-------------|
| A    | inch<br>mm | 12.9<br>328 | 12.9<br>328 | 18.0<br>458 | 18.0<br>458 |
| B    | inch<br>mm | 9.1<br>232  | 9.1<br>232  | 12.4<br>316 | 12.4<br>316 |
| C    | inch<br>mm | 14.4<br>367 | 14.4<br>367 | 19.9<br>505 | 19.9<br>505 |
| D    | inch<br>mm | 3.6<br>92   | 3.6<br>92   | 4.8<br>122  | 4.8<br>122  |
| E    | inch<br>mm | 8.4<br>213  | 8.4<br>213  | 11.5<br>292 | 11.5<br>292 |
| F    | inch<br>mm | 4.3<br>109  | 4.3<br>109  | 5.8<br>148  | 5.8<br>148  |
| G    | inch<br>mm | 4.1<br>104  | 4.1<br>104  | 5.6<br>144  | 5.6<br>144  |
| H    | inch<br>mm | 7<br>177    | 7<br>177    | 9.2<br>234  | 9.2<br>234  |
| J    | inch<br>mm | 5.8<br>148  | 5.8<br>148  | 7.6<br>194  | 7.6<br>194  |
| K    | inch<br>mm | 3.3<br>83   | 3.3<br>83   | 4.7<br>119  | 4.7<br>119  |
| L    | inch<br>mm | 1.1<br>29   | 1.1<br>29   | 1.6<br>40   | 1.6<br>40   |
| M    | inch<br>mm | 0.7<br>19   | 0.7<br>19   | 1.1<br>28   | 1.1<br>28   |



## Manual Trolleys for JDN Air Hoists mini

### Technical Data

| Type                    |            | LN 250        | LN 1000       |
|-------------------------|------------|---------------|---------------|
| Capacity                | lbs<br>kg  | 550<br>250    | 2200<br>1000  |
| Beam flange width b     | inch<br>mm | 2-8<br>50-220 | 2-8<br>58-220 |
| max. flange thickness t | inch<br>mm | 1.3<br>34     | 1.2<br>30     |
| min. curve radius       | inch<br>m  | 35.4<br>0.9   | 39.4<br>1.0   |
| Weight                  | lbs<br>kg  | 17<br>7.7     | 21<br>10.5    |



## Dimensions

| Type           |            | LN 250      | LN 1000     |
|----------------|------------|-------------|-------------|
| A              | inch<br>mm | 3.1<br>79   | 3.1<br>79   |
| D              | inch<br>mm | 0.7<br>17   | 0.7<br>17   |
| D <sub>1</sub> | inch<br>mm | 1<br>25     | 1.2<br>30   |
| D <sub>2</sub> | inch<br>mm | 1.2<br>30   | 1.4<br>35   |
| H <sub>1</sub> | inch<br>mm | 1.2<br>30   | 1<br>25     |
| I              | inch<br>mm | 2.7<br>67.5 | 3.2<br>81.5 |
| L              | inch<br>mm | 10.2<br>260 | 10.2<br>260 |
| L <sub>1</sub> | inch<br>mm | 5.1<br>130  | 5.1<br>130  |
| O              | inch<br>mm | 2.2<br>55   | 2.7<br>68   |
| T              | inch<br>mm | 5.7<br>144  | 5.9<br>151  |

