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ABOUT US

Development
To be constantly at the leading edge of developments the AC product developers seek to improve the current product range as well as develop new products to meet market demands and needs.

We have therefore been able to build a strong market position and create a high level of customer satisfaction. AC has been successfully developed into a brand known for high quality and innovative solutions.

Production
Our products are “MADE IN DENMARK” in a modern high-tech production plant to a wide extent consisting of robots, laser cutting machines and state-of-the-art CNC machinery.

AC Hydraulic A/S employs 130 experienced and well-trained people that make it a point of honour to produce the best and most innovative quality products on the market.

We develop, produce and market our products in a modern 12.500 m² plant and we invest regularly in new machines and production methods.

History
AC Hydraulic A/S is a family owned company situated in Viborg, Denmark.

The company was established in 1958 by master smith Anker Christensen (AC). Shortly after launching his handicraft and repair shop Anker Christensen was inspired to design and develop high quality lorry and workshop cranes.

His original concept became the base of production and the AC crane was soon known in all of Denmark for its high quality.

Development of a wide range of lifting equipment soon took place and with the extended product range the company was ready to move into export.

Today AC Hydraulic A/S is a medium-sized, financially sound company exporting more than 80% of its production. The company is managed by the 3rd generation, sole owners, Søren and Claus Anker Christensen.
Quality
We make it a point of honour always to supply the best quality.
To ensure a constant high quality every product is being tested before shipment. This and many other points appear from our quality management system certified according to ISO 9001:2000.

Markets
AC Hydraulic A/S is market leader within most of its product areas. Our range is being distributed world wide to more than 50 countries.
Our distribution network consists of carefully chosen dealers and partners, all of them dedicated as well as highly professional.
In most workshops all over Europe you can find an AC product – your guarantee for a thoroughly tested quality product you can rely on.

Vision
Our overall vision is to be one of the best and most respected hydraulic companies in Europe within our field of expertise. Nothing less.
We are constantly striving to improve on the original concepts of our values:

EXCELLENCE IN QUALITY, SAFETY, DESIGN & SERVICE

INNOVATION AND AVAILABILITY

It is an everlasting pursuit of perfection and maybe we will never be able to live 100% up to all of our goals…. but we try!
INGROUND LIFTS

A future-proof and flexible lift that can handle all lifting tasks
Up to 8 movable lifting columns, each column has a capacity of 15 t
Wireless remote control as standard
Lifts with 3 columns or more can be divided in groups and work as separate lifts
Cassette or frame solution
Customized length
The cross beams can be stored at floor level over the full pit length
The rolling cover can withstand up to 7 t load
Particularly suitable for workshops servicing many different vehicle types

For further information please visit our website or contact us for a leaflet
INGROUND LIFTS

Wireless remote control as standard

- Fully automated and easily operated using a wireless remote control
- Quick and easy inspection of the lifting points
- Adjust each column individually with the wireless remote control
- The control panel allows full view of the vehicle whilst lifting
- Information on screen about the operation of the lift, column positions as well as safety and maintenance updates
- The rolling cover follows the column movement and eliminates the need to handle cover plates manually
CASSETTE OR FRAME, CHOOSE THE OPTIMUM SOLUTION FOR YOUR PROJECT

Cassette solution
Delivered completely assembled, pre-tested and ready to be plugged in

Frame solution
Frame delivered separate, lifting columns and circuits retrofitted
INGROUND LIFTS

**Accessories**

Supplied standard with various lifting saddles for the cross beams which ensures lifting of practically all types of vehicles.

Customized lifting saddles and other accessories are optional.

The accessory trolley carries 36 adapters and/or extensions (not standard).

For details and full range of accessories please visit our website or contact us for a leaflet.

**Lifting columns**

Up to 8 movable lifting columns, each column has a capacity of 15 t.

Optimum safety with 2 independent hydraulic circuits in each lifting column.

The hydraulic circuits are fully protected inside the square lifting columns.

CE-marked: comply with European Standard EN 1493.
HYDRAULIC JACKS

**DK20 / DK20Q**

Jack for passenger cars and vans

- Very low minimum height of only 80 mm
- Wide and robust frame made of high-strength steel
- Precise and safe control whilst lowering
- Manual dead man’s release for optimum safety when lowering
- Built-in safety overload valve
- Noiseless wheels incorporating a polyurethane central O ring offers maximum surface protection
- Ergonomically designed handle ensuring positive and safe operation
- DK20Q is fitted with quick-lift pedal for easy reach of lifting point

**DK13HLQ**

High lifter with long reach, ideal for cars with low clearance

- Very low minimum height of only 80 mm
- Wide and robust frame made of high-strength steel
- Fitted with quick-lift pedal for easy reach of lifting point
- Precise and safe control whilst lowering
- Manual dead man’s release for optimum safety when lowering
- Built-in safety overload valve
- Noiseless wheels incorporating a polyurethane central O ring offers maximum surface protection
- Ergonomically designed handle ensuring positive and safe operation

**Capacity**

<table>
<thead>
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<th>DK20</th>
<th>DK20Q</th>
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<td>2.0 t</td>
<td>2.0 t</td>
<td>1.3 t</td>
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**Min. height**

|        | 80 mm | 80 mm | 80 mm   |

**Max. height**

|        | 495 mm | 495 mm | 735 mm |

**Frame length**

|        | 660 mm | 660 mm | 940 mm |

**Handle length**

|        | 950 mm | 950 mm | 950 mm |

**Frame height**

|        | 160 mm | 160 mm | 160 mm |

**Width**

|        | 410 mm | 410 mm | 480 mm |

**Weight**

|        | 31 kg  | 31 kg  | 39 kg  |

**DK20 / DK20Q**

- Capacity: 2.0 t
- Min. height: 80 mm
- Max. height: 495 mm

**DK13HLQ**

- Capacity: 1.3 t
- Min. height: 80 mm
- Max. height: 735 mm
## HYDRAULIC JACKS

### DK20HLQ

- **High lifting jack ideal for SUVs and vans**
- Very low minimum height of only 80 mm
- Wide and robust frame made of high-strength steel
- Fitted with quick-lift pedal for easy reach of lifting point
- Precise and safe control whilst lowering
- Manual dead man’s release for optimum safety when lowering
- Built-in safety overload valve
- Noiseless wheels incorporating a polyurethane central O ring offers maximum surface protection
- Ergonomically designed handle ensuring positive and safe operation

**Capacity:** 2.0 t  
**Max. height:** 795 mm

### DK50HLQ

- **High lifting jack for trucks, agricultural machinery & contractors’ machines**
- Low minimum height of only 140 mm
- Can be fitted with pneumatic tyres for easy manoeuvring (option)
- Wide and robust frame made of high-strength steel
- Fitted with quick-lift pedal for easy reach of lifting point
- Precise and safe control whilst lowering
- Manual dead man’s release for optimum safety when lowering
- Built-in safety overload valve
- Ergonomically designed handle ensuring positive and safe operation

**Capacity:** 5.0 t  
**Max. height:** 975 mm

### Specifications Table

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<td>Weight</td>
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<td>170 kg</td>
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</table>
Jack for trucks, agricultural machinery & contractors’ machines

Low minimum height of only 140 mm
Can be fitted with pneumatic tyres for easy manoeuvring (option)
Wide and robust frame made of high-strength steel
Fitted with quick-lift pedal for easy reach of lifting point
Precise and safe control whilst lowering
Manual dead man’s release for optimum safety when lowering
Built-in safety overload valve
Ergonomically designed handle ensuring positive and safe operation

DK40Q / DK60Q

Capacity: 4.0 / 6.0 t
Max. height: 600 mm

DK100Q / DK120Q

Jack for trucks, agricultural machinery & contractors’ machines

Low minimum height of only 150 mm
Can be fitted with pneumatic tyres for easy manoeuvring (option)
Wide and robust frame made of high-strength steel
Fitted with quick-lift pedal for easy reach of lifting point
Precise and safe control whilst lowering
Manual dead man’s release for optimum safety when lowering
Built-in safety overload valve
Ergonomically designed handle ensuring positive and safe operation

Capacity: 10.0 / 12.0 t
Max. height: 585 mm

<table>
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<th>DK100Q</th>
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<td>12.0 t</td>
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<tr>
<td>Weight</td>
<td>95 kg</td>
<td>95 kg</td>
<td>118 kg</td>
<td>118 kg</td>
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</tbody>
</table>
FJ40

Capacity:  4.0 / 5.0 t
Max. height:  455 / 730 mm

**Jack for fork lifts – also suitable for agriculture and industry**

- Extremely low minimum height of only 55 mm
- With 2 lifting heights (scissors 55-455 mm, cylinder 410-730 mm)
- Scissor capacity: 4 tonnes, cylinder capacity: 5 tonnes
- Foldable and therefore also convenient for service trucks
- Wide and robust frame made of high-strength steel
- Precise and safe control by lowering
- Built-in safety overload valve

**FJ40**

- Capacity (scissor/cylinder): 4.0 / 5.0 t
- Min. height (scissor/cylinder): 55 / 410 mm
- Max. height (scissor/cylinder): 455 / 730 mm
- Frame length: 810 mm
- Handle length: 830 mm
- Frame height: 100 mm
- Width: 250 mm
- Weight: 43 kg
OPTION - HYDRAULIC JACKS

**GS1**

Rubber cushion
For protection of car body

Fits:
- DK20
- DK20Q
- DK13HLQ
- DK20HLQ
- T3

**G4**

High quality pneumatic tyres
For easy transport and extra manoeuvrability – also on uneven floors

Fits:
- DK40Q
- DK60Q
- DK100Q
- DK120Q
- DK50HLQ

**T3**

Cross beam adaptor
Lifts the car for change of both wheels at the same time
With telescopic arms, reach from 745 – 1150 mm

Fits:
- DK20
- DK20Q
- DK13HLQ
- DK20HLQ

Capacity: 1.0 t

**FDK1 / FDK2**

Extension FDK1
Extension for cars with high clearance (100 mm)

Fits:
- DK20 / DK20Q
- DK13HLQ / DK20HLQ

Extension FDK2
Extension for cars with high clearance (125 mm)

Fits:
- DK40Q / DK60Q
- DK100Q/DK120Q/DK50HLQ
Portable air hydraulic jack – ideal for service vans etc.

Low minimum height of only 160 mm and low weight of only 28 kg

Handy design - no loose tubes, handles or valves

Easy to operate – handle can be used for carrying, lifting, lowering and manoeuvring

Hard chromium plated piston rod for long life

Built-in safety overload valve

Hand-operated dead-man’s control for optimum safety whilst lifting and lowering

Transport locking device / wall bracket for both van and workshop (Option)

With 2 extensions (50/100 mm)
AIR HYDRAULIC JACKS

**25-I**

Single stage air hydraulic jack for heavy plant machinery and trucks

- Minimum height of 220 mm
- Designed for heavy-duty, intensive commercial use
- Hard chromium plated piston rod for long life
- Built-in safety overload valve
- Hand-operated dead-man's control for optimum safety whilst lifting and lowering
- Ergonomic handle with push buttons
- With 2 extensions (50/100 mm)

**Capacity:** 25 t  
**Max. height:** 345 mm

---

**25-1H**

Single stage air hydraulic jack for agricultural and contractors' machinery, trailers and other high clearance applications

- Minimum height of 360 mm
- Maximum height of 610 mm, the F250 (optional) extension offers a total extended height of 860 mm
- Hard chromium plated piston rod for long life
- Built-in safety overload valve
- Hand-operated dead-man's control for optimum safety whilst lifting and lowering
- Ergonomic handle with push buttons
- With 2 extensions (50/100 mm)

**Capacity:** 25 t  
**Max. height:** 610 mm

---

**25-I**

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<tr>
<td>Width</td>
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<tr>
<td>Width (with wheels)</td>
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<td>310 mm</td>
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<tr>
<td>Air supply</td>
<td>9 - 12 bar</td>
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<tr>
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<td>Weight</td>
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<td>71 kg</td>
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</table>
**AIR HYDRAULIC JACKS**

### 25-2

- **Versatile 2-stage air hydraulic jack for buses and trucks**
- Minimum height of 180 mm
- Designed for heavy-duty, intensive commercial use
- Hard chromium plated piston rod for long life
- Built-in safety overload valve
- Hand-operated dead-man's control for optimum safety whilst lifting and lowering
- Ergonomic handle with push buttons
- With 2 extensions (50/100 mm)

**Capacity:** 25 / 10 t  
**Max. height:** 275 / 380 mm

### 50-2

- **2-stage air hydraulic jack for heavy buses and trucks**
- Minimum height of 220 mm
- Designed for heavy-duty, intensive commercial use
- Hard chromium plated piston rod for long life
- Built-in safety overload valve
- Hand-operated dead-man's control for optimum safety whilst lifting and lowering
- Ergonomic handle with push buttons
- With 2 extensions (50/100 mm)

**Capacity:** 50 / 25 t  
**Max. height:** 340 / 450 mm

### Specifications

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<td>340 / 450 mm</td>
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<td>80 kg</td>
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AIR HYDRAULIC JACKS

**50-3**

3-stage air hydraulic jack for high clearance vehicles

Minimum height of 220 mm and high maximum height of 560 mm

Designed for heavy-duty, intensive commercial use

Hard chromium plated piston rod for long life

Built-in safety overload valve

Hand-operated dead-man’s control for optimum safety whilst lifting and lowering

Ergonomic handle with push buttons

For safety reasons extensions are not included

Capacity: 50 / 25 / 10 t
Max. height: 210 / 265 / 335 mm

**50-3H**

3-stage air hydraulic jack for low buses and other low clearance vehicles

Minimum height of only 150 mm combined with a high lifting capacity

Telescopic cylinders ensure an excellent maximum lift together with a low closed height

Designed for heavy-duty, intensive commercial use

Built-in safety overload valve

Hand-operated dead-man’s control for optimum safety whilst lifting and lowering

Ergonomic handle with push buttons

With 2 extensions (50/100 mm)

Capacity: 50 / 25 / 10 t
Max. height: 340 / 450 / 560 mm

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<td>Width (with wheels)</td>
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<td>Air supply</td>
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<tr>
<td>Weight</td>
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<td>77 kg</td>
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AIR HYDRAULIC JACKS

40-4

4-stage air hydraulic jack for low buses and other low clearance vehicles

The lowest jack on the market with a minimum height of only 100 mm
Telescopic cylinders ensure a fast and safe 4-stage lift
Compact and short chassis for even the lowest vehicles
Hand-operated dead-man’s control for optimum safety whilst lifting and lowering
Ergonomic handle with push buttons
With 2 extension (50/100 mm)

Capacity: 40 / 27 / 16 / 10 t
Max. height: 145 / 180 / 230 / 275 mm

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<th>40 / 27 / 16 / 10 t</th>
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**AIR HYDRAULIC JACKS**

### 65-I

- **Capacity:** 65 t
- **Max. height:** 380 mm

**Air hydraulic jack for heavy duty applications with high clearance**

- Minimum height of 245 mm with an extremely high capacity of 65 t
- Designed for heavy-duty, intensive commercial use
- Hard chromium plated piston rod for long life
- Built-in safety overload valve
- Hand-operated dead-man’s control for optimum safety whilst lifting and lowering
- Ergonomic handle with push buttons
- Supplied with 2 extensions (100/200 mm) and pneumatic tyres

### 65-1H

- **Capacity:** 65 t
- **Max. height:** 725 mm

**Air hydraulic jack for heavy contractors’ machinery**

- Minimum height of 425 mm
- Maximum height of 725 mm and with extensions up to 1025 mm
- Designed for heavy-duty, intensive commercial use
- Hard chromium plated piston rod for long life
- Built-in safety overload valve
- Hand-operated dead-man’s control for optimum safety whilst lifting and lowering
- Ergonomic handle with push buttons
- With 2 extensions (100/200 mm)

<table>
<thead>
<tr>
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<tbody>
<tr>
<td><strong>Capacity</strong></td>
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<tr>
<td><strong>Weight</strong></td>
<td>95 kg</td>
</tr>
</tbody>
</table>

Air supply: 9 - 12 bar
Air consumption: 350 l/min
Weight: 95 kg (65-I) / 138 kg (65-1H)
OPTION - AIR HYDRAULIC JACKS

**SBB**

*Transport locking device and wall bracket for B25-2*
Safe storage in service vans. Prevents damages in cases of emergency stops. Neat and practical wall mounting in the workshop.

Fits: B25-2

**F250**

*Extension*
Increase the maximum height by 250 mm

*Cannot be used together with other extensions*

Fits:
- B25-2
- 25-1
- 25-1H
- 25-2
- 50-2
- 50-3

**FW**

*Jack saddle*
Ø 145 mm
Suitable for lifting under bolts, differential gear etc.

Fits:
- B25-2
- 25-1
- 25-1H
- 25-2
- 40-4
- 50-2
- 50-3

**FW1**

*V-saddle*
For lifting under different types of axles

Fits:
- B25-2
- 25-1
- 25-1H
- 25-2
- 40-4
- 50-2
- 50-3

Capacity: 10 t
HEAVY DUTY JACKS

100-IL

Capacity: 100 t
Max. height: 570 mm

Heavy duty jacks for low clearance machinery in mining and construction industries
Min/max height at 435/570 mm
All steel, heavy duty chassis build to fit harsh environment
Large rubber tires allow easy positioning on challenging surfaces
Innovative chassis construction facilitates jack repair and even wheel changing on site
High ground clearance for clearing rail and rough terrain
Multiple position handle for easy tilt back and moving
Handle with dead-man’s release for optimum safety during lifting and lowering

150-IL

Capacity: 150 t
Max. height: 570 mm

<table>
<thead>
<tr>
<th></th>
<th>100-IL</th>
<th>150-IL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>100 t</td>
<td>150 t</td>
</tr>
<tr>
<td>Min. height</td>
<td>435 mm</td>
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<td>Width</td>
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<tr>
<td>Width (with wheels)</td>
<td>465 mm</td>
<td>465 mm</td>
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<tr>
<td>Air supply</td>
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<tr>
<td>Air consumption</td>
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<td>1200 l/min</td>
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<tr>
<td>Weight</td>
<td>332 kgs</td>
<td>332 kgs</td>
</tr>
<tr>
<td>Ground clearance</td>
<td>40 mm</td>
<td>40 mm</td>
</tr>
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</table>
HEAVY DUTY JACKS

100-I

Heavy duty jacks for mining and construction industries
Min/max height at 700/1100 mm
All steel, heavy duty chassis build to fit harsh environment
Large rubber tires allow easy positioning on challenging surfaces
Innovative chassis construction facilitates jack repair and even wheel changing on site
High ground clearance for clearing rail and rough terrain
Multiple position handle for easy tilt back and moving
Handle with dead-man’s release for optimum safety during lifting and lowering

Capacity: 100 t
Max. height: 1100 mm

150-I

Capacity: 150 t
Max. height: 1100 mm

<table>
<thead>
<tr>
<th></th>
<th>100-I</th>
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<tbody>
<tr>
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<td>100 t</td>
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<tr>
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<tr>
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<td>685 mm</td>
<td>685 mm</td>
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<tr>
<td>Air supply</td>
<td>10 bar</td>
<td>10 bar</td>
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<tr>
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<tr>
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</table>
**HEAVY DUTY JACKS**

### 100-1H

- **Capacity:** 100 t
- **Max. height:** 1600 mm

**Heavy duty jacks for high clearance machinery in mining and construction industries**

- Min/max height at 950/1600 mm
- All steel, heavy duty chassis build to fit harsh environment
- Large rubber tires allow easy positioning on challenging surfaces
- Innovative chassis construction facilitates jack repair and even wheel changing on site
- High ground clearance for clearing rail and rough terrain
- Multiple position handle for easy tilt back and moving
- Handle with dead-man’s release for optimum safety during lifting and lowering

### 150-1H

- **Capacity:** 150 t
- **Max. height:** 1600 mm

**Specifications**

<table>
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<tr>
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<tr>
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<td>950 mm</td>
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<tr>
<td>Max. height</td>
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<td>1600 mm</td>
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<tr>
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<td>1740 mm</td>
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<tr>
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<tr>
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<td>546 kgs</td>
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<tr>
<td>Ground clearance</td>
<td>65 mm</td>
<td>65 mm</td>
</tr>
</tbody>
</table>
ACCESSORIES - HEAVY DUTY JACKS

**FHD100 / FHD200**

**Extension - FHD100**
Increases lifting height by 100 mm

**Extension - FHD200**
Increases lifting height by 200 mm

Fits: All models

**HHD**

**Extension holder**
Allows for extensions to be stored on the side of the jack

Fits: All models

**SB65 / SB100 / SB150**

**Locking ring - SB65**
65 mm height
Fits: All models

**Locking ring - SB100**
100 mm height
Fits: 100-1 / 150-1
      100-1H / 150-1H

**Locking ring - SB150**
150 mm height
Fits: 100-1 / 150-1
      100-1H / 150-1H

**SBS**

**SBS2**
Set of 2 locking rings incl. holder for model 100-1L / 150-1L

**SBS4**
Set of 4 locking rings incl. holder for model 100-1 / 150-1

**SBS6**
Set of 6 locking rings incl. holder for model 100-1H / 150-1H
Hand hydraulic jacking beam for passenger cars and vans

Quick and efficient lifting due to manual double acting pump
Low closed height of only 180 mm makes it suitable for vehicles with a low clearance
Flexible top support beam can be extended up to 1610 mm
Unique height adjustable support arm system – designed to fit all current lifts and pits
Request list/fill out spec. form p.64/65
Two-hand lowering operation with dead man’s release, automatic safety locking device and overload valve for optimum safety
Supplied with 3 extension sets (10/40/85 mm) and rubber cushion for protection of car body

Air hydraulic jacking beam for passenger cars and vans

Quick and efficient lifting due to reliable and noiseless pump
Low closed height of only 180 mm makes it suitable for vehicles with a low clearance
Flexible top support beam can be extended up to 1610 mm
Unique height adjustable support arm system – designed to fit all current lifts and pits
Request list/fill out spec. form p.64/65
Two-hand lowering operation with dead man’s release, automatic safety locking device and overload valve for optimum safety
Supplied with 3 extension sets (10/40/85 mm) and rubber cushion for protection of car body

<table>
<thead>
<tr>
<th></th>
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<th>SD26L</th>
<th>SD20PHL</th>
<th>SD26PHL</th>
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<tr>
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<td>2.0 t</td>
<td>2.6 t</td>
<td>2.0 t</td>
<td>2.6 t</td>
</tr>
<tr>
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<td>250 mm</td>
<td>250 mm</td>
<td>250 mm</td>
</tr>
<tr>
<td>Min. height</td>
<td>180 mm</td>
<td>180 mm</td>
<td>180 mm</td>
<td>180 mm</td>
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<tr>
<td>Telescopic arms</td>
<td>780 - 1610 mm</td>
<td>780 - 1610 mm</td>
<td>780 - 1610 mm</td>
<td>780 - 1610 mm</td>
</tr>
<tr>
<td>Width (+ support arms)</td>
<td>780 - 1180 mm</td>
<td>780 - 1180 mm</td>
<td>780 - 1180 mm</td>
<td>780 - 1180 mm</td>
</tr>
<tr>
<td>Lifting frame (height)</td>
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<td>120 mm</td>
<td>120 mm</td>
<td>120 mm</td>
</tr>
<tr>
<td>Lifting frame (depth)</td>
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<td>250 mm</td>
<td>250 mm</td>
<td>250 mm</td>
</tr>
<tr>
<td>Air supply</td>
<td>7 - 12 bar</td>
<td>7 - 12 bar</td>
<td>7 - 12 bar</td>
<td>7 - 12 bar</td>
</tr>
<tr>
<td>Air consumption</td>
<td>350 l/min</td>
<td>350 l/min</td>
<td>350 l/min</td>
<td>350 l/min</td>
</tr>
<tr>
<td>Weight (+ support arms)</td>
<td>105 kg</td>
<td>105 kg</td>
<td>110 kg</td>
<td>110 kg</td>
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</tbody>
</table>
**JACKING BEAMS**

**SD20PHL-A / SD26PHL-A**

Automatic air hydraulic jacking beam for inspections centres and workshops with many lifting operations

- Individual joysticks control of lifting arms to avoid time consuming working operations
- Remote control activates lowering and retraction of lifting arms to closed position
- Placing the remote control next to the lift control panel ensures safe operation and prevents unnecessary steps
- Unique height adjustable support arm system – designed to fit all current lifts and pits

Request list/fill out spec. form p.64/65

Supplied with 3 extension sets (10/40/85 mm) and rubber cushion

<table>
<thead>
<tr>
<th>Parameter</th>
<th>SD20PHL-A</th>
<th>SD26PHL-A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>2.0 t</td>
<td>2.6 t</td>
</tr>
<tr>
<td>Stroke</td>
<td>250 mm</td>
<td>250 mm</td>
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<tr>
<td>Min. height</td>
<td>200 mm</td>
<td>200 mm</td>
</tr>
<tr>
<td>Telescopic arms</td>
<td>780 - 1500 mm</td>
<td>780 - 1500 mm</td>
</tr>
<tr>
<td>Width (without support arms)</td>
<td>780 - 1180 mm</td>
<td>780 - 1180 mm</td>
</tr>
<tr>
<td>Lifting frame (height)</td>
<td>120 mm</td>
<td>120 mm</td>
</tr>
<tr>
<td>Lifting frame (depth)</td>
<td>250 mm</td>
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<tr>
<td>Air supply</td>
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<tr>
<td>Air consumption</td>
<td>350 l/min</td>
<td>350 l/min</td>
</tr>
<tr>
<td>Weight (without support arms)</td>
<td>120 kg</td>
<td>120 kg</td>
</tr>
</tbody>
</table>
JACKING BEAMS

SD32PHL

Air hydraulic jacking beam for passenger cars, vans and trucks

Strong and robust design makes it ideal for lifting heavy vehicles

Low closed height of only 230 mm

Flexible top support beam can be extended up to 1610 mm

Unique height adjustable support arm system – designed to fit all current lifts and pits

Request list/fill out spec. form p.64/65

Two-hand lowering operation with dead man’s release, automatic safety locking device and overload valve for optimum safety

Supplied with 3 extension sets (10/40/85 mm) and rubber cushion

SD32PHL

Capacity: 3.2 t
Stroke: 250 mm

SD40PHL

Air hydraulic jacking beam for passenger cars, vans and trucks

Strong and robust design makes it ideal for lifting heavy vehicles

Low closed height of only 230 mm

Flexible top support beam can be extended up to 1500 mm

Unique height adjustable support arm system – designed to fit all current lifts and pits

Request list/fill out spec. form p.64/65

Two-hand lowering operation with dead man’s release, automatic safety locking device and overload valve for optimum safety

Supplied with 2 extension sets (50/100 mm)

<table>
<thead>
<tr>
<th>SD32PHL</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>3.2 t</td>
</tr>
<tr>
<td>Stroke</td>
<td>250 mm</td>
</tr>
<tr>
<td>Min. height</td>
<td>230 mm</td>
</tr>
<tr>
<td>Telescopic arms</td>
<td>780 - 1610 mm</td>
</tr>
<tr>
<td>Width (without support arms)</td>
<td>780 - 1220 mm</td>
</tr>
<tr>
<td>Lifting frame (height)</td>
<td>160 mm</td>
</tr>
<tr>
<td>Lifting frame (depth)</td>
<td>345 mm</td>
</tr>
<tr>
<td>Air supply</td>
<td>6 - 12 bar</td>
</tr>
<tr>
<td>Air consumption</td>
<td>350 l/min</td>
</tr>
<tr>
<td>Weight (without support arms)</td>
<td>175 kg</td>
</tr>
</tbody>
</table>
### OPTION - JACKING BEAMS

#### HSD / HSD-A
- **Air-line connection - HSD**
  - Set for jacking beam
  - Fits:
    - SD20PHL
    - SD26PHL
    - SD32PHL
    - SD40PHL
- **Air-line connection - HSD-A**
  - Set for automatic jacking beam
  - Fits:
    - SD20PHL-A
    - SD26PHL-A

#### FSD1
- **Extension**
  - Increases the lifting height by 130 mm
  - (Order 2 units)
  - Fits:
    - SD20L
    - SD26L
    - SD20PHL
    - SD26PHL
    - SD32PHL
    - SD20PHL-A
    - SD26PHL-A

#### FSD2 / FSD3
- **Rubber support - FSD2**
  - Block for protection of car body (40 mm)
  - (Order 2 units)
  - Fits:
    - All jacking beams
- **Rubber support - FSD3**
  - Block for protection of car body (80 mm)
  - (Order 2 units)
  - Fits:
    - All jacking beams

#### FSD5
- **Saddle with spindle**
  - Increases the lifting height by 106-235 mm.
  - (Order 2 units)
  - Fits:
    - SD20L
    - SD26L
    - SD20PHL
    - SD26PHL
    - SD20PHL-A
    - SD26PHL-A

**Capacity:** 2.0 t
### OPTION - JACKING BEAMS

#### FSD6 / FSD7
- **Adjustable saddle - FSD6**
  - Increases the lifting height by 32-92 mm
  - (Order 2 units)
- **Extension - FSD7**
  - For FSD6 increases the lifting height by 60 mm
  - (Order 2 units)
  - Fits:
    - SD20L / SD26L
    - SD20PHL / SD26PHL
    - SD32PHL
- **Capacity:** 2.0 t

#### GS1
- **Rubber cushion**
  - Can be used in combination with FSD5 and FSD6
  - For protection of car body
  - (Order 2 units)
  - Fits:
    - FSD5
    - FSD6

#### GS2
- **Rubber cushion**
  - For 10 mm standard extension
  - (Order 2 units)
  - Fits:
    - SD20L
    - SD26L
    - SD20PHL
    - SD26PHL
    - SD32PHL
    - SD20PHL-A
    - SD26PHL-A

#### FW / FW1
- **Saddle - FW**
  - Suitable for lifting over drain plugs, differential gear etc.
  - (Ø 145 mm)
  - (Order 2 units)
- **V-saddle - FW1**
  - For lifting under various axles
  - (Order 2 units)
  - Fits:
    - SD40PHL
HEAVY DUTY JACKING BEAMS FOR LIFTS

**FL60-1 / FL120-1**
**FL160-1 / FL200-1**

Standard air hydraulic single ram jacking beam
- Rapid and precise air hydraulic unit with high speed ram travel
- Simple modern design with control panel at ergonomical working height
- Can be made to fit all lifts due to its adjustable frame
- Frame height is adjusted and set to the customers individual specifications
- Transversely sliding ram
- Dead man’s release and safety overload valve for optimum safety
- Supplied with 1 x 100 mm extension

<table>
<thead>
<tr>
<th>FL60-1</th>
<th>FL120-1</th>
<th>FL160-1</th>
<th>FL200-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>6 t</td>
<td>12 t</td>
<td>16 t</td>
</tr>
<tr>
<td>Stroke</td>
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<td>305 mm</td>
<td>380 mm</td>
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<tr>
<td>Max. height</td>
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<td>580 mm</td>
<td>580 mm</td>
</tr>
<tr>
<td>Width(^1)</td>
<td>590-1410 mm</td>
<td>590-1410 mm</td>
<td>590-1410 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>665 mm</td>
<td>665 mm</td>
<td>665 mm</td>
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<tr>
<td>Air supply</td>
<td>8 - 12 bar</td>
<td>8 - 12 bar</td>
<td>8 - 12 bar</td>
</tr>
<tr>
<td>Air consumption</td>
<td>350 l/min</td>
<td>350 l/min</td>
<td>350 l/min</td>
</tr>
<tr>
<td>Weight</td>
<td>200 kg</td>
<td>200 kg</td>
<td>200 kg</td>
</tr>
</tbody>
</table>

\(^1\) Framewidth: 590-890 mm / 850-1150 mm / 1110-1410 mm

- The capacity of the jacking beam cannot exceed 0.66 x the lift capacity

When ordering fill out spec. form (page 64)
HEAVY DUTY JACKING BEAMS FOR LIFTS

**FL60-2 / FL120-2**
**FL160-2 / FL200-2**

- Air hydraulic twin ram jacking beam
- 2 individually controlled rams offer safe and balanced lifting
- Transversely sliding rams
- Rapid and precise air hydraulic unit with high speed ram travel
- Simple modern design with control panel at ergonomical working height
- Can be made to fit all lifts due to its adjustable frame
- Frame height is adjusted and set to the customers individual specifications
- Dead man's release and safety overload valve for optimum safety
- Supplied with 2 x 100mm extensions

When ordering fill out spec. form (page 64)

<table>
<thead>
<tr>
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<th>FL60-2</th>
<th>FL120-2</th>
<th>FL160-2</th>
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<td>Depth</td>
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<td>200-1160 mm</td>
<td>200-1160 mm</td>
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<tr>
<td>Air supply</td>
<td>8 - 12 bar</td>
<td>8 - 12 bar</td>
<td>8 - 12 bar</td>
<td>8 - 12 bar</td>
</tr>
<tr>
<td>Air consumption</td>
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<td>350 l/min</td>
<td>350 l/min</td>
<td>350 l/min</td>
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<tr>
<td>Weight</td>
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<td>202 kg</td>
<td>202 kg</td>
<td>202 kg</td>
</tr>
</tbody>
</table>

1. Framewidth: 590-890 mm / 850-1150 mm / 1110-1410 mm
2. Distance between lifting points: 200-640 mm / 200-990 mm / 200-1160 mm

- The capacity of the jacking beam cannot exceed 0.66 x the lift capacity
PIT JACKS

**Standard air hydraulic single ram pit jack**

- Rapid and precise air hydraulic unit with high speed ram travel
- Simple modern design with control panel at ergonomical working height
- Can be made to fit all pits due to its adjustable frame
- Frame height is adjusted and set to the customers individual specifications
- Fitted with leaf spring support bearings for easy glide transversing ram
- Comprehensive option range: cross beam, gearbox saddle, support bridge etc.

When ordering fill out spec. form (page 65)

**GD100-1 / GD150-1 / GD200-1**

<table>
<thead>
<tr>
<th>Capacity</th>
<th>GD100-1</th>
<th>GD150-1</th>
<th>GD200-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 t</td>
<td>10 t</td>
<td>15 t</td>
<td>20 t</td>
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</table>

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<tr>
<td>Max. height</td>
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<td>Width</td>
<td>590-1410 mm</td>
<td>590-1410 mm</td>
<td>590-1410 mm</td>
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<tr>
<td>Depth</td>
<td>665 mm</td>
<td>665 mm</td>
<td>665 mm</td>
</tr>
<tr>
<td>Air supply</td>
<td>8 - 12 bar</td>
<td>8 - 12 bar</td>
<td>8 - 12 bar</td>
</tr>
<tr>
<td>Air consumption</td>
<td>350 l/min</td>
<td>350 l/min</td>
<td>350 l/min</td>
</tr>
<tr>
<td>Weight</td>
<td>220 kg</td>
<td>220 kg</td>
<td>220 kg</td>
</tr>
</tbody>
</table>

1. Framewidth: 590-890 mm / 850-1150 mm / 1110-1410 mm
Air hydraulic twin ram pit jack

2 individually controlled rams offer safe and balanced lifting
Rapid and precise air hydraulic unit with high speed ram travel
Simple modern design with control panel at ergonomical working height
Transversely sliding rams
Can be made to fit all pits due to its adjustable frame
Frame height is adjusted and set to the customers individual specifications
Comprehensive option range: cross beam, support bridge etc.
Supplied with 2 x100 mm extensions

When ordering fill out spec. form (page 65)
Telescopic air hydraulic pit jack

- Lowered design doubles usability compared to standard pit jacks
- Low construction height with a long stroke
- Rapid and precise air hydraulic unit with high speed ram travel
- Simple modern design with control panel at ergonomic working height
- Adjustable frame designed to fit all pits
- Transversal sliding ram – locking at 800 kg
- Dead man’s release and safety overload valve for optimum safety

When ordering fill out spec. form (page 65)

---

**GDT150-1**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>15 / 15 t</td>
</tr>
<tr>
<td>Stroke</td>
<td>1280 mm</td>
</tr>
<tr>
<td>Min. height</td>
<td>900 mm</td>
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<tr>
<td>Max. height</td>
<td>2180 mm</td>
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<tr>
<td>Width</td>
<td>725-1410 mm</td>
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<tr>
<td>Depth</td>
<td>735 mm</td>
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<tr>
<td>Air supply</td>
<td>8 - 12 bar</td>
</tr>
<tr>
<td>Air consumption</td>
<td>350 l/min</td>
</tr>
<tr>
<td>Weight</td>
<td>250 kg</td>
</tr>
</tbody>
</table>

---

1 Frame width: 725-890 mm / 850-1150 mm / 1110-1410 mm
PIT JACKS

GGD150F

**Capacity:** 15 / 15 t
**Stroke:** 1285 mm

**Air hydraulic floor pit jack with telescopic cylinder**

- Flexible pit jack for use both in pits and under vehicle lifts
- Suitable for all traditional lifting jobs
- Ideal for dismounting and remounting of gearboxes
- Built-in manual foot pump for easy and precise adjustment
- Rapid and precise air hydraulic unit with high speed ram travel up and down
- Spring loaded wheel support prevents unintended movements when lifting more than 800 kg
- Dead man’s release and safety overload valve for optimum safety

| GGD150F |
|------------------|------------------|
| **Capacity**   | 15 / 15 t |
| **Stroke**     | 1285 mm |
| **Min. height** | 920 mm |
| **Max. height** | 2205 mm |
| **Baseframe width** | 845 mm |
| **Baseframe depth** | 1005 mm |
| **Cylinder diameter** | Ø 60 mm |
| **Air supply**   | 8.5 - 12 bar |
| **Air consumption** | 350 l/min |
| **Weight**       | 220 kg |

- 36
PIT JACKS

**GGD150U**

- **Capacity:** 15 / 15 t
- **Stroke:** 1285 mm

**Air hydraulic floor pit jack with traversing telescopic cylinder**

Flexible pit jack for use in pit or under a lift

Traversing cylinder ensures a wide reach under the vehicle and enables the mechanic to move freely back and forth in the pit.

Ideal for dis- and remounting of gearboxes due to telescopic cylinder.

Built-in manual foot pump for easy and precise adjustment.

Rapid and precise air hydraulic unit with high speed ram travel up and down.

Base frame wheels fitted with bearings for optimum manoeuvrability.

Spring loaded wheel support prevents unintended movements when lifting more than 800 kg.

**GGD150U**

- **Capacity:** 15 / 15 t
- **Stroke:** 1285 mm
- **Min. height:** 920 mm
- **Max. height:** 2205 mm
- **Traversing cylinder:** 250 mm
- **Basewidth / Basedepth:** 845 / 1075 mm
- **Cylinder diameter:** Ø 60 mm
- **Air supply:** 8.5 - 12 bar
- **Air consumption:** 350 l/min
- **Weight:** 250 kg
PIT JACKS

GGD150S

Air hydraulic floor pit jack running in rails. Slim and compact design with traversing cylinder

- Traversing cylinder ensures a wide reach under the vehicle and enables the mechanic to move freely back and forth in the pit
- Base frame wheels fitted with bearings for optimum manoeuvrability
- Ideal for dismounting and re-mounting of gearboxes
- Rapid and precise air hydraulic unit with high speed ram travel
- Built-in manual foot pump for easy and precise adjustment
- Foot operated leaving hands free
- Dead man’s release and overload valve for optimum safety

When ordering fill out spec. form (page 65)

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>15 / 15 t</td>
</tr>
<tr>
<td>Stroke</td>
<td>1285 mm</td>
</tr>
<tr>
<td>Min. height</td>
<td>905 mm</td>
</tr>
<tr>
<td>Max. height</td>
<td>2190 mm</td>
</tr>
<tr>
<td>Baseframe width</td>
<td>According to pit width</td>
</tr>
<tr>
<td>Baseframe depth</td>
<td>940 mm</td>
</tr>
<tr>
<td>Cylinder diameter</td>
<td>Ø 60 mm</td>
</tr>
<tr>
<td>Air supply</td>
<td>8.5 - 12 bar</td>
</tr>
<tr>
<td>Air consumption</td>
<td>350 l/min</td>
</tr>
<tr>
<td>Weight</td>
<td>285 kg</td>
</tr>
</tbody>
</table>

- The pit must be equipped with rails (100 x 100 x 10 mm)
### OPTION – HEAVY DUTY JACKING BEAMS & PIT JACKS

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>AB</strong></td>
<td>Support bridge</td>
<td>For safe and stable support of the vehicle. The open frame offers optimum traversing cylinder mobility. With leaf spring wheels for easy transport along the pit. Usable with various extensions and saddles: FG100, FG200, FW2 and US. Capacity: 20 t. When ordering fill out spec. form (page 65).</td>
</tr>
<tr>
<td><strong>ABT</strong></td>
<td>Telescopic support bridge</td>
<td>Flexible support bridge can be used in different pits because of the adjustable width. Opening in the middle for optimum flexibility when manoeuvring the jack. With leaf spring wheels for easy transport along the pit. Usable with various extensions and saddles: FG100, FG200, FW2 and US. Capacity: 15 t. When ordering fill out spec. form (page 65).</td>
</tr>
<tr>
<td><strong>S200</strong></td>
<td>Integrated safety stand</td>
<td>Mechanical locking of the load prevents unintended lowering. Adjustable in 6 positions. Increases the minimum height of the pit jack by 65 mm. Capacity: 20 t. Fits: GD100-1 / GD150-1 / GD200-1.</td>
</tr>
<tr>
<td><strong>AS3</strong></td>
<td>Gearbox saddle</td>
<td>10° tilt in all directions for accurate dismounting and re-mounting of gearboxes. Low minimum height for wide range of applications. Fitted with 2 straps and 4 rubber cushions with magnets. Weight: 24 kg. Fits: GDxxx-1 / GDT150-1 / GGD150F / GGD150U / GGD150S.</td>
</tr>
</tbody>
</table>
OPTION – HEAVY DUTY JACKING BEAMS & PIT JACKS

**T6-1 / T6-2 / T6-1W / T6-2W**

**Cross beam adaptor**
- Ideal for supporting axle, whilst allowing work to be done on the differential gear
- Offers increased safety – divides the load over 2 lifting points
- Usable with various extensions and saddles: FG100, FG200, FW2, US
- T6-1W Increases min. height by 100 mm
- T6-2W Increases min. height by 145 mm

**Capacity:** 20 t  
**Length:**  
**T6-1 / T6-2**  920 mm  
**T6-1W / T6-2W**  1020 mm

**LB**

**Cross beam adaptor**
- Hand wheel on the cross beam for easy and precise adjustment of lifting saddles without moving from the pit – ideal for inspection centres
- Usable with various extensions and saddles: FG100, FG200, FW2, US
- T6-1W Increases min. height by 55 mm
- T6-2W Increases min. height by 90 mm

**Capacity:** 20 t  
**Length:**  
**T6-1 / T6-2**  850-1350 mm  
**T6-1W / T6-2W**  1120-1720 mm

**T5-1 / T5-2**

**Flexible cross beam adaptor with extra long reach**
- Ideal for supporting axle, whilst allowing work to be done on the differential gear
- Offers increased safety – divides the load over 2 lifting points
- Usable with various extensions and saddles: FG100, FG200, FW2, US
- T5-1 Increases min. height by 95 mm
- T5-2 Increases min. height by 140 mm

**Capacity:** 15-11.5 t  
**Length:**  
**T6-1 / T6-2**  1060-1635 mm

**T4-1/W**

**Cross beam adaptor**
- Ideal for supporting axle, whilst allowing work to be done on the differential gear
- Offers increased safety – divides the load over 2 lifting points
- Usable with various extensions and saddles: FG100, FG200, FW2, US
- T4-1W Increases min. height by 100 mm
- T4-2W Increases min. height by 145 mm

**Capacity:** 20 t  
**Length:**  
**T4-1 / T4-2**  920 mm  
**T4-1W / T4-2W**  1020 mm

**T4-1/W**

**Cross beam adaptor**
- Hand wheel on the cross beam for easy and precise adjustment of lifting saddles without moving from the pit – ideal for inspection centres
- Usable with various extensions and saddles: FG100, FG200, FW2, US
- T4-1W Increases min. height by 100 mm
- T4-2W Increases min. height by 145 mm

**Capacity:** 13 t  
**Length:**  
**T6-1 / T6-2**  850-1350 mm  
**T6-1W / T6-2W**  1120-1720 mm

**LB**

**Cross beam adaptor**
- Hand wheel on the cross beam for easy and precise adjustment of lifting saddles without moving from the pit – ideal for inspection centres
- Usable with various extensions and saddles: FG100, FG200, FW2, US
- T6-1W Increases min. height by 55 mm
- T6-2W Increases min. height by 90 mm

**Capacity:** 20 t  
**Length:**  
**T6-1 / T6-2**  850-1350 mm  
**T6-1W / T6-2W**  1120-1720 mm

**Diff beam**
- Allows use of both rams to lift at one point

**Fits:**  
- FL60-2 / FL120-2
- FL160-2 / FL200-2
- FL60-2M / FL120-2M
- FL160-2M / FL200-2M
- GD100-2 / GD150-2 / GD200-2
- GD100-2M / GD150-2M / GD200-2M
OPTION – HEAVY DUTY JACKING BEAMS & PIT JACKS

**FLTR**

Trolley
- Practical trolley – designed for mounting and dismounting of heavy duty jacking beams on lifts
- Fitted with revolving wheels for easy manoeuvrability

Fits:
- FL60-1 / FL120-1
- FL160-1 / FL200-1
- FL60-2 / FL120-2
- FL160-2 / FL200-2

---

**FW2 / US**

**V-saddle - FW2**
- Suitable for lifting under various axles

**U-saddle - US**
- Suitable for lifting various chassis profiles

Capacity: 10 t

Fits: All models

---

**FG100 / FG200**

**Extension - FG100**
- Increases the lifting height by 100 mm

**Extension - FG200**
- Increases the lifting height by 200 mm

Capacity: 10 t

Fits:
- FL60-2 / FL120-2
- FL160-2 / FL200-2
- GD100-1 / GD150-1 / GD200-1
- GD100-2 / GD150-2 / GD200-2

---

**VB1 / VB2**

**Wall bracket - VB1**
- Robust wall bracket for storage of extensions and saddles (4 pcs.)

**Wall bracket - VB2**
- Robust wall bracket for storage of extensions and saddles (8 pcs.)
### OPTION – HEAVY DUTY JACKING BEAMS & PIT JACKS

**GR**

<table>
<thead>
<tr>
<th>Handle</th>
</tr>
</thead>
<tbody>
<tr>
<td>Extra handle makes it easier to push the jacking beam or pit jack in a wide pit</td>
</tr>
</tbody>
</table>

**Fits:**

- FL All models
- GD All models
- GDT
### FOLD-AWAY WORKSHOP CRANES

#### WJN5 / WJN10

- **Hydraulic workshop crane for auto workshops and service vans**
- Foldable within seconds for quick and easy storage
- When folded the crane takes up a minimum of space on the workshop floor
- Jib arm with large lifting capacity – even in 5th position
  - *See capacity table*
- Hard chromium plated piston rod and pump piston for long life
- Built-in safety overload valve
- Fitted with 2 castors and 2 fixed wheels for easy manoeuvrability even with maximum load
- Lifting hook pivots 360°
- Hand operated dead man’s release for optimum safety whilst lowering

**Capacity:** 0.55 / 1.10 t

---

#### WJN5EUR / WJN10EUR

- **Hydraulic workshop crane with parallel legs for pallets**
- Foldable within seconds for quick and easy storage
- When folded the crane takes up a minimum of space on the workshop floor
- Jib arm with large lifting capacity – even in 5th position
  - *See capacity table*
- Hard chromium plated piston rod and pump piston for long life
- Built-in safety overload valve
- Fitted with 2 castors and 2 fixed wheels for easy manoeuvrability even with maximum load
- Lifting hook pivots 360°
- Hand operated dead man’s release for optimum safety whilst lowering

**Capacity:** 0.55 / 1.10 t

---

#### Specifications

<table>
<thead>
<tr>
<th>WJN5</th>
<th>WJN10</th>
<th>WJN5EUR</th>
<th>WJN10EUR</th>
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</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>0.55 t</td>
<td>1.10 t</td>
<td>0.55 t</td>
</tr>
<tr>
<td>Lifting height</td>
<td>2020 - 2340 mm</td>
<td>2020 - 2340 mm</td>
<td>2020 - 2340 mm</td>
</tr>
<tr>
<td>Jib arm</td>
<td>955 - 1375 mm</td>
<td>955 - 1375 mm</td>
<td>955 - 1375 mm</td>
</tr>
<tr>
<td>Frame height</td>
<td>125 mm</td>
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<tr>
<td>Frame length</td>
<td>1420 mm</td>
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<tr>
<td>Height</td>
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<td>Inner width</td>
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<td>1100 mm</td>
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<tr>
<td>Weight</td>
<td>75 kg</td>
<td>95 kg</td>
<td>75 kg</td>
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</table>
HEAVY DUTY COMMERCIAL CRANES

WN11 / WN15

**Hydraulic workshop crane for auto workshops and industry**

Commercial crane fitted with hard chromium plated piston rod and pump piston for longer life
Jib arm with large lifting capacity – even in 5th position
" See capacity table
Pump rotates 360° for excellent operation in all working conditions
Built-in safety overload valve
Wheels revolve 360° for easy manoeuvrability even with maximum load
Lifting hook pivots 360°
Hand operated dead man’s release for optimum safety whilst lowering
Inner frame width enables use with Euro pallets

Capacity: 1.1 / 1.5 t

<table>
<thead>
<tr>
<th>WN11</th>
<th>WN15</th>
<th>WN20</th>
<th>WN25</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>1.1 t</td>
<td>1.5 t</td>
<td>2.0 t</td>
</tr>
<tr>
<td>Lifting height</td>
<td>2260 - 2540 mm</td>
<td>2260 - 2540 mm</td>
<td>2340 - 2630 mm</td>
</tr>
<tr>
<td>Jib arm</td>
<td>1210 - 1630 mm</td>
<td>1210 - 1630 mm</td>
<td>1210 - 1630 mm</td>
</tr>
<tr>
<td>Frame height</td>
<td>160 mm</td>
<td>160 mm</td>
<td>160 mm</td>
</tr>
<tr>
<td>Frame length</td>
<td>1750 mm</td>
<td>1750 mm</td>
<td>1750 mm</td>
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<tr>
<td>Height</td>
<td>1690 mm</td>
<td>1690 mm</td>
<td>1850 mm</td>
</tr>
<tr>
<td>Inner width</td>
<td>820 mm</td>
<td>820 mm</td>
<td>840 mm</td>
</tr>
<tr>
<td>Frame width</td>
<td>1000 mm</td>
<td>1000 mm</td>
<td>1020 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>168 kg</td>
<td>175 kg</td>
<td>250 kg</td>
</tr>
</tbody>
</table>

WN20 / WN25

**Hydraulic workshop crane for auto workshops and industry**

Commercial crane fitted with hard chromium plated piston rod and pump piston for long life
Jib arm with large lifting capacity – even in 5th position
" See capacity table
Pump rotates through 360° for excellent operation in all working conditions
Built-in safety overload valve
Wheels revolve 360° for easy manoeuvrability even with maximum load
Lifting hook pivots 360°
Hand operated dead man’s release for optimum safety whilst lowering
Inner frame width enables use with Euro pallets

Capacity: 2.0 / 2.5 t

<table>
<thead>
<tr>
<th>WN11</th>
<th>WN15</th>
<th>WN20</th>
<th>WN25</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>1.1 t</td>
<td>1.5 t</td>
<td>2.0 t</td>
</tr>
<tr>
<td>Lifting height</td>
<td>2260 - 2540 mm</td>
<td>2260 - 2540 mm</td>
<td>2340 - 2630 mm</td>
</tr>
<tr>
<td>Jib arm</td>
<td>1210 - 1630 mm</td>
<td>1210 - 1630 mm</td>
<td>1210 - 1630 mm</td>
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<tr>
<td>Frame height</td>
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<tr>
<td>Inner width</td>
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<td>820 mm</td>
<td>840 mm</td>
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<tr>
<td>Frame width</td>
<td>1000 mm</td>
<td>1000 mm</td>
<td>1020 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>168 kg</td>
<td>175 kg</td>
<td>250 kg</td>
</tr>
</tbody>
</table>
TRANSMISSION JACKS

**VL3 / VL6 / VL10**

Capacity: 0.3 / 0.6 / 1.0 t  
Max. height: 1965 / 1965 / 2000 mm

**Hydraulic transmission jack**

- Pedal operated pump leaving both hands free for working  
- Precise adjustment for positioning of transmission  
- Hand operated dead man’s release for optimum safety whilst lowering  
- Galvanised support saddle and base frame  
- Built-in safety overload valve  
- Sturdy swivel castors for optimum stability and manoeuvrability  
- Hard chromium plated piston rod and pump piston for long life  
- Also suitable for many other lifting operations such as mounting of springs, fuel tanks, exhaust pipes etc.

**VLT12**

Capacity: 1.2 t  
Max. height: 1920 mm

**Hydraulic transmission jack with telescopic cylinder**

- Especially for lifting heavy truck transmissions  
- Ideal for workshop pits due to low minimum height and long stroke  
- Pedal operated pump with built-in quick lift leaving both hands free for working  
- Precise adjustment for positioning of transmission  
- Hand operated dead man’s release for optimum safety whilst lowering  
- Galvanised support saddle and base frame  
- Built-in safety overload valve  
- Sturdy swivel castors (2 lockable) for optimum stability and manoeuvrability

<table>
<thead>
<tr>
<th></th>
<th>VL3</th>
<th>VL6</th>
<th>VL10</th>
<th>VLT12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>0.3 t</td>
<td>0.6 t</td>
<td>1.0 t</td>
<td>1.2 t</td>
</tr>
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<td>Max. height</td>
<td>1965 mm</td>
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<td>2000 mm</td>
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<tr>
<td>Width</td>
<td>530 mm</td>
<td>530 mm</td>
<td>550 mm</td>
<td>720 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>33 kg</td>
<td>33 kg</td>
<td>40 kg</td>
<td>65 kg</td>
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<tr>
<td>Wheel diameter</td>
<td>Ø 80 mm</td>
<td>Ø 80 mm</td>
<td>Ø 125 mm</td>
<td>Ø 125 mm</td>
</tr>
</tbody>
</table>
VLT6

Transmission jack with pneumatically controlled high speed

The 3 stage telescopic cylinder ensures a very low minimum height
5 legs offers the best stability on the market
Simple operation by use of 3 pedals leaving both hands free for working
Pneumatically controlled high speed guarantees quick and efficient lifting
Large and robust swiveling wheels (2 with locks) offer optimum manouevrability
Built-in safety overload valve

<table>
<thead>
<tr>
<th>VLT6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
</tr>
<tr>
<td>Stroke</td>
</tr>
<tr>
<td>Min. height</td>
</tr>
<tr>
<td>Max. height</td>
</tr>
<tr>
<td>Height step 1/2/3</td>
</tr>
<tr>
<td>Air capacity step 1/2/3 (10 bar)</td>
</tr>
<tr>
<td>Width</td>
</tr>
<tr>
<td>Wheel size</td>
</tr>
<tr>
<td>Air supply</td>
</tr>
<tr>
<td>Weight</td>
</tr>
</tbody>
</table>
| **AS1** | **Gearbox saddle for passenger vehicles**  
10° tilt in all directions for precise dismounting and re-mounting of gearboxes  
Fitted with 2 straps and 2 rubber cushions with magnets  
Weight: 18 kg | Capacity: 0.5 t  
Dimension: 352x307x118 mm  
Fits: All models |
|---|---|
| **AS3** | **Commercial heavy duty gearbox saddle for passenger vehicles and trucks**  
10° tilt in all directions for accurate dismounting and re-mounting of gearboxes  
Low minimum height for wide range of applications  
Fitted with 2 straps and 4 rubber cushions with magnets  
Weight: 24 kg | Capacity: 1.0 t  
Dimension: 542x385x110 mm  
Fits: VL10 / VLT6 / VLT12 |
| **UB15** | **Universal bracket for liquid tub incl. tub**  
Can be mounted on all Ø25-60 mm pistons  
Allocated space for tools, screws and small parts  
Special design allows oil filters to drain hands free  
Hinged tilt function for easy emptying  
Resistant to oil, acid and cooling liquid | Kapacitet: 15 l |
| **S / GSI** | **Saddle**  
Suitable for mounting springs, fuel tanks, exhaust pipes etc.  
Fits: VL3 / VL6 / VL10 / VLT12  
**Rubber cushion**  
To be used with the S-saddle for protection of car body  
Fits: S |
WHEEL TROLLEYS

**WTA500**

- Hydraulic wheel trolley for vans, trucks and buses
- Flexible and ergonomic wheel trolley for the easy removal of wheels and brake drums
- Adjustable lifting arms for wheel sizes Ø 270 – 1300 mm
- Lifting arms with roller bearings for easy rotation of the wheel into correct position
- Pedal operated pump leaving both hands free for working
- Bracket for easy securing of the wheel whilst transporting
- Hand operated dead man’s release for optimum safety whilst lowering
- Ideal for lifting brake drums, fuel tanks, tool boxes etc.
- 4 pcs of nylon castor wheels for optimum maneuverability

**Capacity:** 0.5 t

**WTK**

- **Crane arm for disc brakes, callipers, etc.** (Option)
- Mounted with the telescopic crane arm the wheel trolley is a universal lifting tool
- The crane arm offers efficiency and good ergonomics when lifting disc brakes, brake drums, callipers, etc.
- The crane arm easily swivels to one side to allow wheel removal operations to be carried out
- Fitted with 360º pivoting hook

**Capacity:** 250 - 100 kg

---

**WTA500**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Measurement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>0.5 t</td>
</tr>
<tr>
<td>Height</td>
<td>1198 mm</td>
</tr>
<tr>
<td>Length</td>
<td>846 mm</td>
</tr>
<tr>
<td>Width</td>
<td>1150 mm</td>
</tr>
<tr>
<td>Roller-/fork length</td>
<td>415 / 600 mm</td>
</tr>
<tr>
<td>Roller distance</td>
<td>260 - 710 mm</td>
</tr>
<tr>
<td>Min. height</td>
<td>164 mm</td>
</tr>
<tr>
<td>Lifting height</td>
<td>710 mm</td>
</tr>
<tr>
<td>Wheel sizes</td>
<td>Ø 270 - 1300 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>100 kg</td>
</tr>
</tbody>
</table>
**WT1500N**

Capacity: 1.5 t

**WT1500NT**

Capacity: 1.5 t

---

**WT1500N**

Hydraulic wheel trolley for agricultural and construction machinery

Easy handling of the largest wheels in the world

Two robust handles makes it easy to manoeuvre in the workshop

A simple switch makes expansion or retraction of the jaws very easy

The wheel can be secured with a ratchet strap for maximum safety

Wheel sizes: min. Ø 1000 mm - max Ø 2400 mm

Wheel width: max 1200 mm

Optimized packaging for ease of delivery and reduction of freight cost

---

**WT1500NT**

Hydraulic wheel trolley for agricultural and construction machinery

Easy handling of the largest wheels in the world

Two robust handles makes it easy to manoeuvre in the workshop

A simple switch makes expansion or retraction of the jaws very easy

A handle facilitates easy turning of the wheel on the trolley

The wheel can be secured with a ratchet strap for maximum safety

Wheel sizes: min. Ø 1000 mm - max Ø 2400 mm

Wheel width: max 1200 mm

Optimized packaging for ease of delivery and reduction of freight cost

---

<table>
<thead>
<tr>
<th></th>
<th>WT1500N</th>
<th>WT1500NT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>1.5 t</td>
<td>1.5 t</td>
</tr>
<tr>
<td>Height</td>
<td>1455 mm</td>
<td>1455 mm</td>
</tr>
<tr>
<td>Length</td>
<td>1040 mm</td>
<td>1040 mm</td>
</tr>
<tr>
<td>Width</td>
<td>1625 - 2375 mm</td>
<td>1625 - 2375 mm</td>
</tr>
<tr>
<td>Roller length</td>
<td>690 mm</td>
<td>690 mm</td>
</tr>
<tr>
<td>Roller distance</td>
<td>900 - 1650 mm</td>
<td>900 - 1650 mm</td>
</tr>
<tr>
<td>Castor wheel</td>
<td>Ø 200 mm</td>
<td>Ø 200 mm</td>
</tr>
<tr>
<td>Wheel sizes</td>
<td>Ø 1000 - 2400 mm</td>
<td>Ø 1000 - 2400 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>300 kg</td>
<td>300 kg</td>
</tr>
<tr>
<td>Handle for wheel rotation</td>
<td>No</td>
<td>Yes</td>
</tr>
</tbody>
</table>
Hand hydraulic junior presses for passenger car workshops and light industry

Foot-operated pneumatically controlled high speed and precise ram approach to work piece
Traversing ram
Built-in pressure gauge at convenient eye level
Built-in safety overload valve
Welded frame and press table made from high strength steel for long life
Removable ram end cap for mounting of various piston heads
Supplied with 2 vee blocks

<table>
<thead>
<tr>
<th>PJ16H / PJ20H</th>
<th>PJ25H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity: 16 / 20 t</td>
<td>Capacity: 25 t</td>
</tr>
<tr>
<td>Stroke: 150 mm</td>
<td>Stroke: 150 mm</td>
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</table>

PJ25H

Hand hydraulic junior press for passenger car workshops and light industry

Foot-operated pneumatically controlled high speed and precise ram approach to work piece
Traversing ram
Built-in pressure gauge at convenient eye level
Built-in safety overload valve
Welded frame and press table made from high strength steel for long life
Removable ram end cap for mounting of various piston heads
Supplied with 2 vee blocks

<table>
<thead>
<tr>
<th>PJ16H</th>
<th>PJ20H</th>
<th>PJ25H</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>16 t</td>
<td>20 t</td>
</tr>
<tr>
<td>Stroke</td>
<td>150 mm</td>
<td>150 mm</td>
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<tr>
<td>Height</td>
<td>1620 mm</td>
<td>1620 mm</td>
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<tr>
<td>Width</td>
<td>885 mm</td>
<td>885 mm</td>
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<tr>
<td>Width between legs</td>
<td>640 mm</td>
<td>640 mm</td>
</tr>
<tr>
<td>Depth between legs</td>
<td>130 mm</td>
<td>130 mm</td>
</tr>
<tr>
<td>Clearance</td>
<td>105 - 780 mm</td>
<td>105 - 780 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>130 kg</td>
<td>130 kg</td>
</tr>
</tbody>
</table>
**Hand hydraulic press for truck workshops and industry**

Foot-operated double-acting pneumatically controlled high speed leaving both hands free for quick and precise positioning of item

- Traversing ram
- With 300 mm stroke for dealing with demanding jobs
- Built-in pressure gauge at convenient eye level
- Wide, welded frame and press table ensuring high flexibility
- Winch operated press table
- Built-in safety overload valve
- Removable ram end cap for mounting of various piston heads
- Supplied with 2 vee blocks

**Electro-hydraulic press for truck workshops and industry**

Electro-hydraulic single stage pump (Press speed: 6.1 mm/sec)

- The pressure can be set to any required tonnage up to 40 t
- Traversing double-acting ram
- Long stroke of 300 mm
- Built-in pressure gauge at convenient eye level
- Wide, welded frame and press table
- Winch operated press table
- Built-in safety overload valve
- Removable ram end cap for mounting of various piston heads
- The motor is 3x400V and 50/60 Hz (can be switched for 3x230V)
- Supplied with 2 vee blocks

<table>
<thead>
<tr>
<th>P40H</th>
<th>P40EH1</th>
</tr>
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<tr>
<td>Capacity: 40 t</td>
<td>Capacity: 40 t</td>
</tr>
<tr>
<td>Stroke: 300 mm</td>
<td>Stroke: 300 mm</td>
</tr>
<tr>
<td>Height: 1740 mm</td>
<td>Height: 1740 mm</td>
</tr>
<tr>
<td>Width: 1190 mm</td>
<td>Width: 1355 mm</td>
</tr>
<tr>
<td>Width between legs: 850 mm</td>
<td>Width between legs: 850 mm</td>
</tr>
<tr>
<td>Depth between legs: 215 mm</td>
<td>Depth between legs: 215 mm</td>
</tr>
<tr>
<td>Clearance: 70 - 770 mm</td>
<td>Clearance: 70 - 770 mm</td>
</tr>
<tr>
<td>Press speed: 6.1 mm/s</td>
<td>Press speed: 6.1 mm/s</td>
</tr>
<tr>
<td>Return speed: 7.9 mm/s</td>
<td>Return speed: 7.9 mm/s</td>
</tr>
<tr>
<td>Weight: 425 kg</td>
<td>Weight: 445 kg</td>
</tr>
</tbody>
</table>
**PRESSES**

**P60H**

Hand hydraulic press for truck workshops and heavy industry

- Foot-operated double-acting pneumatically controlled high speed leaving both hands free for quick and precise positioning of item
- Traversing ram
- With 300 mm stroke for dealing with demanding jobs
- Built-in pressure gauge at convenient eye level
- Wide, welded frame and press table ensuring high flexibility
- Winch operated press table
- Built-in safety overload valve
- Removable ram end cap for mounting of various piston heads
- Supplied with 2 vee blocks

Capacity: 60 t
Stroke: 300 mm

**P60EH1 / P60EH2**

Electro-hydraulic press for truck workshops and heavy industry

- P60EH1: Single stage pump
  - Press speed: 4.2 mm/sec
- P60EH2: 2-stage pump
  - Press speed: 10.0 mm/sec
- The pressure can be set to any required tonnage up to 60 t
- Traversing double-acting ram with long stroke of 300 mm
- Built-in pressure gauge at convenient eye level
- Winch operated press table
- Removable ram end cap for mounting of various piston heads
- The motor is 3x400V and 50/60 Hz (can be switched for 3x230V)
- Supplied with 2 vee blocks

Capacity: 60 t
Stroke: 300 mm

<table>
<thead>
<tr>
<th></th>
<th>P60H</th>
<th>P60EH1</th>
<th>P60EH2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>60 t</td>
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<td>Height</td>
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<tr>
<td>Width</td>
<td>1390 mm</td>
<td>1555 mm</td>
<td>1555 mm</td>
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<tr>
<td>Width between legs</td>
<td>1010 mm</td>
<td>1010 mm</td>
<td>1010 mm</td>
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<tr>
<td>Depth between legs</td>
<td>260 mm</td>
<td>260 mm</td>
<td>260 mm</td>
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<tr>
<td>Clearance</td>
<td>170 - 760 mm</td>
<td>170 - 760 mm</td>
<td>170 - 760 mm</td>
</tr>
<tr>
<td>Press speed</td>
<td>4.2 mm/s</td>
<td>10.0 mm/s</td>
<td></td>
</tr>
<tr>
<td>Return speed</td>
<td>5.9 mm/s</td>
<td>14.5 mm/s</td>
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<tr>
<td>Weight</td>
<td>625 kg</td>
<td>630 kg</td>
<td>635 kg</td>
</tr>
</tbody>
</table>
**P100H**

**Hand hydraulic press for truck workshops and heavy industry**

- Foot-operated double-acting pneumatically controlled high speed leaving both hands free for quick and precise positioning of item
- Traversing ram
- With 300 mm stroke for dealing with demanding jobs
- Built-in pressure gauge at convenient eye level
- Wide, welded frame and press table ensuring high flexibility
- Winch operated press table
- Built-in safety overload valve
- Removable ram end cap for mounting of various piston heads
- Supplied with 2 vee blocks

**Specifications**

- Capacity: 100 t
- Stroke: 300 mm

---

**P100EH2**

**Electro-hydraulic press for truck workshops and heavy industry**

- Electro-hydraulic 2-stage pump (Press speed: 6.2 mm/sec)
- Traversing double-acting ram with long stroke of 300 mm
- The pressure can be set to any required tonnage up to 100 t
- Built-in pressure gauge at convenient eye level
- Wide, welded frame and press table ensuring high flexibility
- Winch operated press table
- Removable ram end cap for mounting of various piston heads
- The motor is 3x400V and 50/60 Hz (can be switched for 3x230V)
- Supplied with 2 vee blocks

**Specifications**

- Capacity: 100 t
- Stroke: 300 mm

---

<table>
<thead>
<tr>
<th></th>
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<th>P100EH2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>100 t</td>
<td>100 t</td>
</tr>
<tr>
<td>Stroke</td>
<td>300 mm</td>
<td>300 mm</td>
</tr>
<tr>
<td>Height</td>
<td>2040 mm</td>
<td>2040 mm</td>
</tr>
<tr>
<td>Width</td>
<td>1600 mm</td>
<td>1765 mm</td>
</tr>
<tr>
<td>Width between legs</td>
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<td>1100 mm</td>
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<td>Depth between legs</td>
<td>325 mm</td>
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<tr>
<td>Clearance</td>
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<td>35 - 635 mm</td>
</tr>
<tr>
<td>Press speed</td>
<td>6.2 mm/sec</td>
<td>6.2 mm/sec</td>
</tr>
<tr>
<td>Return speed</td>
<td>8.3 mm/sec</td>
<td>8.3 mm/sec</td>
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<tr>
<td>Weight</td>
<td>1200 kg</td>
<td>1215 kg</td>
</tr>
</tbody>
</table>
OPTION – PRESSES

PJW

Winch
Efficient and easy adjustment of press table

Fits:
PJ16H
PJ20H
PJ25H

PJS

Set of press tools
Press plate with 3 piston heads
(Ø 12, 20, 30 mm and adaptor)

Fits:
PJ16H
PJ20H
PJ25H

PS

Set of press tools
Press plate with set of piston heads
(Ø 10, 12, 15, 17, 20, 22, 25, 30 mm, adaptor and rack)

Fits:
P40H / P40EH1
P60H / P60EH1 / P60EH2
P100H / P100EH2

PS25 / PS40 / PS60 / PS100

Protection screen
Maximum operator safety
Steel mesh with shatterproof plexiglass
Protection screen with extreme high breakage point

Model  Fits:
PS25  PJ16H, PJ20H, PJ25H
PS40  P40H, P40EH1
PS60  P60H, P60EH1, P60EH2
PS100  P100H, P100EH2
AIRCRAFT WHEEL TROLLEY

WTA500AP

Capacity: 0.5 t

Hydraulic wheel trolley for removal of wheels and brake drums on aircrafts

Flexible and ergonomic wheel trolley for the easy removal of wheels and brake drums

High lifting height (710 mm) makes it ideal for lifting e.g. wheels and brake drums off a transport wagon

Adjustable lifting arms for wheel sizes Ø 270 – 1300 mm

Lifting arms with roller bearings for easy rotation of the wheel into correct position

Pedal operated pump leaving both hands free for working

Hand operated dead man’s release for optimum safety whilst lowering

4 pcs of polyurethane castor wheels for optimum maneuverability

WTK

Capacity: 250 - 100 kg

Crane arm for disc brakes, calipers, etc. (Option)

Mounted with the telescopic crane arm the wheel trolley is a universal lifting tool

The crane arm offers efficiency and good ergonomics when lifting disc brakes, brake drums, calipers, etc.

The crane arm easily swivels to one side to allow wheel removal operations to be carried out

Fitted with 360º pivoting hook

<table>
<thead>
<tr>
<th>WTA500AP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
</tr>
<tr>
<td>Height</td>
</tr>
<tr>
<td>Length</td>
</tr>
<tr>
<td>Width</td>
</tr>
<tr>
<td>Roller-/fork length</td>
</tr>
<tr>
<td>Roller distance</td>
</tr>
<tr>
<td>Min. height</td>
</tr>
<tr>
<td>Lifting height</td>
</tr>
<tr>
<td>Wheel sizes</td>
</tr>
<tr>
<td>Weight</td>
</tr>
</tbody>
</table>
**Air hydraulic aircraft jack**

Compact and slim design for easy operation and manoeuvrability

Ergonomic handle with push buttons

The jack can be operated by either compressed-air, nitrogen from the aircraft wheels or a mobile nitrogen service cart

Rapid ram retraction without load

Safety features include manual lowering valve, safety overload valve and dead mans release

Designed and manufactured according to the aircraft standards: EN1915:2001 and EN12312:2005

---

**MLG - Main Landing Gear**

- **Bombardier** CRJ900
- **Embraer** EMB170-195

---

**NLG - Nose Landing Gear**

- **Airbus** A320
- **Boeing** B737-100 / -200 / -300 / -400 / -500
  B737-600 thru -900
- **Bombardier** CRJ900
- **Embraer** EMB170-195

---

**25-2AP**

- Capacity: 25 / 10 t
- Max. height: 260 / 364 mm
- Min. height: 180 mm
- Frame length: 765 mm
- Handle length: 1160 mm
- Width: 160 mm
- Width (with wheels): 310 mm
- Air supply: 9 - 12 bar
- Air consumption: 350 l/min
- Weight: 56 kg

---

**25-2AP Specifications**

- Capacity: 25 / 10 t
- Max. height: 260 / 364 mm
- Min. height: 180 mm
- Frame length: 765 mm
- Handle length: 1160 mm
- Width: 160 mm
- Width (with wheels): 310 mm
- Air supply: 9 - 12 bar
- Air consumption: 350 l/min
- Weight: 56 kg
**AIRCRAFT JACKS**

**65-1AP**

- **Capacity:** 65 t
- **Max. height:** 430 mm

**Air hydraulic aircraft jack**

- Compact and slim design for easy operation and manoeuvrability
- Ergonomic handle with push buttons
- The jack can be operated by either compressed-air, nitrogen from the aircraft wheels or a mobile nitrogen service cart
- Fitted with extension screw (80 mm) for optimum use of the stroke
- Rapid ram retraction without load
- Safety features include manual lowering valve, safety overload valve and dead mans release
- Designed and manufactured according to the aircraft standards: EN1915:2001 and EN12312:2005

**MLG - Main Landing Gear**

- **Airbus**
  - A300 / A310
- **Boeing**
  - B707 / 720
  - B717
  - B737-100 / -200 / -300 / -400 / -500
  - B737-600 thru -900
  - B757 / -200 / -300
  - B767-200 / 300
  - B787
- **McDonnell Douglas**
  - DC8
  - DC9

**NLG - Nose Landing Gear**

- **Airbus**
  - A300/A310
  - A330-300
  - A340-200 / -300 / -500 / -600
- **Boeing**
  - B707 / 720
  - B727
  - B767-200 / -300 / -400ER
  - B777-200 / -300 / -300ER
  - B787
- **McDonnell Douglas**
  - MD11
  - DC10
- **Lockheed**
  - L1011

---

**65-1AP**

- **Capacity:** 65 t
- **Min. height:** 270 mm
- **Max. height:** 430 mm
- **Frame length:** 810 mm
- **Handle length:** 1160 mm
- **Width:** 200 mm
- **Width (with wheels):** 310 mm
- **Air supply:** 9 - 12 bar
- **Air consumption:** 350 l/min
- **Weight:** 85 kg
AIRCRAFT JACKS

65-IAPH

Air hydraulic aircraft jack with extra long stroke

Compact and slim design for easy operation and manoeuvrability

Ergonomic handle with push buttons

The jack can be operated by either compressed-air, nitrogen from the aircraft wheels or a mobile nitrogen service cart

Fitted with extension screw (80 mm) for optimum use of the stroke

Rapid ram retraction without load

Safety features include manual lowering valve, safety overload valve and dead mans release

Designed and manufactured according to the aircraft standards: EN1915:2001 and EN12312:2005

Capacity: 65 t
Max. height: 520 mm

MLG - Main Landing Gear

<table>
<thead>
<tr>
<th>Airbus</th>
<th>A300 / A310</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A319 / A320 / A321 (MLG-single only)</td>
</tr>
<tr>
<td></td>
<td>A340-200 / -300</td>
</tr>
<tr>
<td>Boeing</td>
<td>B717</td>
</tr>
<tr>
<td></td>
<td>B727</td>
</tr>
<tr>
<td></td>
<td>B737-100 / -200 / -300 / -400 / -500</td>
</tr>
<tr>
<td></td>
<td>B737-600 thru -900</td>
</tr>
<tr>
<td></td>
<td>B767-400ER</td>
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<tr>
<td>McDonnell Douglas</td>
<td>MD11</td>
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<td>DC8</td>
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<td>DC10</td>
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<tr>
<td>Lockheed</td>
<td>L1011</td>
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NLG - Nose Landing Gear

<table>
<thead>
<tr>
<th>Airbus</th>
<th>A340 / -500 / -600</th>
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<tbody>
<tr>
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<td>B727</td>
</tr>
<tr>
<td></td>
<td>B767-200 / -300 / -400ER</td>
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<td>B777-200 / -300 / -300ER</td>
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<tr>
<td>McDonnell Douglas</td>
<td>MD11</td>
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65-IAPH

<table>
<thead>
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</thead>
<tbody>
<tr>
<td>Min. height</td>
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</tr>
<tr>
<td>Max. height</td>
<td>520 mm</td>
</tr>
<tr>
<td>Frame length</td>
<td>930 mm</td>
</tr>
<tr>
<td>Handle length</td>
<td>1160 mm</td>
</tr>
<tr>
<td>Width</td>
<td>200 mm</td>
</tr>
<tr>
<td>Width (with wheels)</td>
<td>310 mm</td>
</tr>
<tr>
<td>Air supply</td>
<td>9 - 12 bar</td>
</tr>
<tr>
<td>Air consumption</td>
<td>350 l/min</td>
</tr>
<tr>
<td>Weight</td>
<td>94 kg</td>
</tr>
</tbody>
</table>
AXLE STANDS

**AB1.5 / AB3**

Standard axle stands

Suitable for more or less all types of vehicles i.e. passenger cars, trucks, buses, agricultural and contractors’ machinery.

Adjustable in several heights (5-6 positions)

Robust construction ensures maximum stability and long life

**WARNING:**

Always use axle stands to support the vehicle before working under it

No person shall remain in, on or under a load that is being jacked or is supported only by a jack

Capacity: 1.5 - 3.0 t

---

**AB5 / AB8**

Standard axle stands

Suitable for more or less all types of vehicles i.e. passenger cars, trucks, buses, agricultural and contractors’ machinery.

Adjustable in several heights (5-6 positions)

Robust construction ensures maximum stability and long life

**WARNING:**

Always use axle stands to support the vehicle before working under it

No person shall remain in, on or under a load that is being jacked or is supported only by a jack

Capacity: 5.0 - 8.0 t

---

<table>
<thead>
<tr>
<th>AB</th>
<th>Capacity</th>
<th>Min. height (A)</th>
<th>Max. height (B)</th>
<th>Width (C)</th>
<th>Positions</th>
<th>Net weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,5</td>
<td>260 mm</td>
<td>420 mm</td>
<td>320 mm</td>
<td>450 mm</td>
<td>5</td>
<td>2.2 kg</td>
</tr>
<tr>
<td>3-320</td>
<td>365 mm</td>
<td>310 mm</td>
<td>430 mm</td>
<td>750 mm</td>
<td>5</td>
<td>4.8 kg</td>
</tr>
<tr>
<td>5-365</td>
<td>590 mm</td>
<td>480 mm</td>
<td>590 mm</td>
<td>430 mm</td>
<td>5</td>
<td>6.5 kg</td>
</tr>
<tr>
<td>8-310</td>
<td>590 mm</td>
<td>480 mm</td>
<td>590 mm</td>
<td>370 mm</td>
<td>4</td>
<td>8.1 kg</td>
</tr>
<tr>
<td>8-360</td>
<td>590 mm</td>
<td>480 mm</td>
<td>590 mm</td>
<td>310 mm</td>
<td>5</td>
<td>11.4 kg</td>
</tr>
<tr>
<td>8-580</td>
<td>590 mm</td>
<td>480 mm</td>
<td>590 mm</td>
<td>370 mm</td>
<td>6</td>
<td>11.4 kg</td>
</tr>
</tbody>
</table>

All dimensions are to the upper saddle edge
AXLE STANDS

ABS5 / ABS12

Axle stands with spindle extension

User friendly axle stand – the spindle extension offers a quick and precise adjustment of the height

Suitable for more or less all types of vehicles

Model ABS5-230 is especially suitable for vehicles with low clearance e.g. buses, fork lift trucks and flat trailers

Robust construction ensures maximum stability and long life

WARNING:
Always use axle stands to support the vehicle before working under it

No person shall remain in, on or under a load that is being jacked or is supported only by a jack

<table>
<thead>
<tr>
<th></th>
<th>ABS 5-230</th>
<th>ABS 12-320</th>
<th>ABS 12-450</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>5.0 t</td>
<td>12.0 t</td>
<td>12.0 t</td>
</tr>
<tr>
<td>Min. height (A)</td>
<td>230 mm</td>
<td>320 mm</td>
<td>450 mm</td>
</tr>
<tr>
<td>Max. height (B)</td>
<td>320 mm</td>
<td>485 mm</td>
<td>725 mm</td>
</tr>
<tr>
<td>Width (C)</td>
<td>250 mm</td>
<td>300 mm</td>
<td>420 mm</td>
</tr>
<tr>
<td>Positions</td>
<td>spindle</td>
<td>spindle</td>
<td>spindle</td>
</tr>
<tr>
<td>Net weight</td>
<td>3.9 kg</td>
<td>10.8 kg</td>
<td>15.2 kg</td>
</tr>
</tbody>
</table>

All dimensions are to the upper saddle edge
# AXLE STANDS

## AB16

![AB16 Image]

**Capacity:** 16.0 t

**Axle stands for the heavy lifting jobs**

Suitable for exceptionally heavy vehicles, e.g. large trucks, contractor’s machinery, military vehicles etc.

- Adjustable in several heights (3-6 positions)
- Robust construction ensures maximum stability and long life

**WARNING:**

Always use axle stands to support the vehicle before working under it

No person shall remain in, on or under a load that is being jacked or is supported only by a jack

## ABS8

![ABS8 Image]

**Capacity:** 8.0 t

**Extra high axle stands**

Especially for supporting vehicles lifted by mobile columns or inground lifts

- The spindle extension offer a quick and precise adjustment of the height
- Strong transport wheels for easy and precise manoeuvring
- Robust construction ensures maximum stability and long life

**WARNING:**

Always use axle stands to support the vehicle before working under it

No person shall remain in, on or under a load that is being jacked or is supported only by a jack

<table>
<thead>
<tr>
<th></th>
<th>AB 16-290</th>
<th>AB 16-440</th>
<th>AB 16-675</th>
<th>ABS 8-950</th>
<th>ABS 8-1400</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>16.0 t</td>
<td>16.0 t</td>
<td>16.0 t</td>
<td>8.0 t</td>
<td>8.0 t</td>
</tr>
<tr>
<td>Min. height (A)</td>
<td>290 mm</td>
<td>440 mm</td>
<td>675 mm</td>
<td>950 mm</td>
<td>1400 mm</td>
</tr>
<tr>
<td>Max. height (B)</td>
<td>455 mm</td>
<td>725 mm</td>
<td>1125 mm</td>
<td>1550 mm</td>
<td>2000 mm</td>
</tr>
<tr>
<td>Width (C)</td>
<td>310 mm</td>
<td>460 mm</td>
<td>550 mm</td>
<td>650 mm</td>
<td>880 mm</td>
</tr>
<tr>
<td>Positions</td>
<td>3</td>
<td>5</td>
<td>7</td>
<td>spindle</td>
<td>spindle</td>
</tr>
<tr>
<td>Net weight</td>
<td>13.0 kg</td>
<td>20.0 kg</td>
<td>31.0 kg</td>
<td>52.4 kg</td>
<td>68.0 kg</td>
</tr>
</tbody>
</table>

*All dimensions are to the upper saddle edge*
BOTTLE JACKS

TYPE 1

**Hydraulic bottle jack with single lift and extension screw**

- 5 models with lifting capacities from 2-10 tonnes
- With extension screw for optimum use of the stroke
- Models with bevelled base (see table) offer increased stability and safety as the jack follows the tilt of the vehicle when lifting
- 3 part galvanised pump handle for easy storage
- Jack can be used in horizontal position, as long as the pump piston is placed under the jack
- Built-in safety overload valve

Capacity: 2 - 10 t

<table>
<thead>
<tr>
<th>Model</th>
<th>Cap. (A)</th>
<th>Min. height (B)</th>
<th>Hydr. lift (C)</th>
<th>Ext. Screw (D)</th>
<th>Max. height</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>A2-170</td>
<td>2.0 t</td>
<td>170 mm</td>
<td>115 mm</td>
<td>90 mm</td>
<td>380 mm</td>
<td>3.5 kg</td>
</tr>
<tr>
<td>A3.5-170</td>
<td>3.5 t</td>
<td>170 mm</td>
<td>115 mm</td>
<td>90 mm</td>
<td>380 mm</td>
<td>3.8 kg</td>
</tr>
<tr>
<td>A5-212</td>
<td>5.0 t</td>
<td>210 mm</td>
<td>150 mm</td>
<td>100 mm</td>
<td>460 mm</td>
<td>4.7 kg</td>
</tr>
<tr>
<td>AX8-220</td>
<td>8.0 t</td>
<td>220 mm</td>
<td>150 mm</td>
<td>110 mm</td>
<td>480 mm</td>
<td>7.0 kg</td>
</tr>
<tr>
<td>A10-220</td>
<td>10.0 t</td>
<td>220 mm</td>
<td>150 mm</td>
<td>110 mm</td>
<td>480 mm</td>
<td>7.0 kg</td>
</tr>
<tr>
<td>A12-230</td>
<td>12.0 t</td>
<td>230 mm</td>
<td>160 mm</td>
<td>110 mm</td>
<td>500 mm</td>
<td>8.1 kg</td>
</tr>
<tr>
<td>AX15-230</td>
<td>15.0 t</td>
<td>230 mm</td>
<td>155 mm</td>
<td>110 mm</td>
<td>495 mm</td>
<td>9.2 kg</td>
</tr>
<tr>
<td>AX20-240</td>
<td>20.0 t</td>
<td>240 mm</td>
<td>155 mm</td>
<td>110 mm</td>
<td>505 mm</td>
<td>11.8 kg</td>
</tr>
<tr>
<td>AH25-240</td>
<td>25.0 t</td>
<td>240 mm</td>
<td>160 mm</td>
<td>120 mm</td>
<td>515 mm</td>
<td>14.3 kg</td>
</tr>
<tr>
<td>A30-240</td>
<td>30.0 t</td>
<td>240 mm</td>
<td>140 mm</td>
<td>100 mm</td>
<td>480 mm</td>
<td>15.3 kg</td>
</tr>
</tbody>
</table>

- Bevelled base

All models can be used in temperatures ranging from -20° to 70° C

TYPE 2

**Hydraulic bottle jack with single lift and extension screw for heavy duty lifting**

- 5 models with lifting capacities from 12-30 tonnes
- With extension screw for optimum use of the stroke
- Models with bevelled base (see table) offer increased stability and safety as the jack follows the tilt of the vehicle when lifting
- 3 part galvanised pump handle for easy storage
- Jack can be used in horizontal position, as long as the pump piston is placed under the jack
- Fitted with practical carrying handle for easy transport
- Built-in safety overload valve

Capacity: 12 - 30 t
**Bottle Jacks**

**TYPE 3**

Hydraulic bottle jack with double lift telescopic rams for extra long stroke

- 5 models with lifting capacities from 3-12 tonnes
- Models with spindle extension offer optimum use of the stroke
- ATN10-175 has horizontal pumping action and is therefore ideal for vehicles with low clearance
- Models with bevelled base (see table) offer increased stability and safety as the jack follows the tilt of the vehicle when lifting
- 3 part galvanised pump handle for easy storage
- Built-in safety overload valve

Capacity: 3 - 12 t

**TYPE 4**

Hydraulic bottle jack with single lift ram for vehicles with high clearance

- 2 special models with lifting capacities of 4 or 10 tonnes
- Large stroke makes them ideal for lifting e.g. agricultural machines
- 3 part galvanised pump handle for easy storage
- ADX10-370 with bevelled base offer increased stability and safety as the jack follows the tilt of the vehicle when lifting
- Jack can be used in horizontal position, as long as the pump piston is placed under the jack
- Built-in safety overload valve

Capacity: 4 t & 10 t

---

**Model** | **Cap.** | **Min. height (A)** | **Hydr. lift (B)** | **Ext. Screw (C)** | **Max. height (D)** | **Weight** |
---|---|---|---|---|---|---|
ATDX 3-185 | 3.0 t | 185 mm | 215 mm | - | 400 mm | 5.0 kg |
AT 5-215 | 5.0 t | 215 mm | 305 mm | - | 520 mm | 7.2 kg |
ATG 10-200 | 10.0 t | 200 mm | 260 mm | 70 mm | 530 mm | 10.2 kg |
ATPX 12-230 | 12.0 t | 230 mm | 255 mm | 85 mm | 570 mm | 13.4 kg |
ATN 10-175 | 10.0 t | 175 mm | 210 mm | - | 385 mm | 8.7 kg |
ADX 4-370 | 4.0 t | 370 mm | 260 mm | - | 630 mm | 7.3 kg |
ADX 10-370 | 10.0 t | 370 mm | 260 mm | - | 630 mm | 10.5 kg |

- Bevelled base

All models can be used in temperatures ranging from -20° to 70° C
LIFT SPECIFICATION FORM

Lift:  
Model:  
Capacity:  
Year:  

Drawing no.:  

W = mm  
A = mm  
B = mm  
D = mm  
G = mm  
H = mm  
K = mm  
T = mm  

If the lift is mounted with light or other obstructing parts, please fill out C and F:  
C min. = mm  
F max. = mm  

Rail profile  

PLEASE NOTE:  It is the customer’s responsibility that the given measures are correct and sufficient. The lift shall always be approved by the lift manufacturer for mounting of jacking beams. N.b. EN1493:1998 the capacity of the jacking beam cannot exceed 0,66 x the capacity of the lift. (A 2 t jacking beam on a 3 t lift is okay - but not a 2,6 t).

Date:  
Measured by:  
Dealer:  
Signature:  

AC Hydraulic A/S  
Fanøvej 6 • DK-8800 Viborg • Tel. +45 8662 2166 • Fax +45 8662 2988  
E-mail: ac@ac-hydraulic.dk • www.ac-hydraulic.com
PIT SPECIFICATION FORM

PLEASE NOTE: It is the customer’s responsibility that the given measures are correct and sufficient and that the pit is built and anchored to withstand the designated loading.

Date:  
Measured by:  
Dealer:  
Signature:  

Placing of saddle
The placing of top saddle excluding cross beam adaptor, safety stand and extensions is required:

☐ above workshop floor mm
☐ levelling with workshop floor
☐ below workshop floor mm

The top of the cylinder will be positioned +/- 50 mm according to requested level

Option
Please note, mounting of different options will increase the min. height:

☐ Cross beam T4-1 = + 100 mm
☐ Cross beam T5-1 = + 95 mm
☐ Cross beam T6-1 = + 95 mm
☐ Cross beam T4-2 = + 145 mm
☐ Cross beam T5-2 = + 140 mm
☐ Cross beam T6-2 = + 90 mm
☐ Safety stand S200 = + 65 mm
☐ AS3 = + 100 mm

Rolltype / Rail profile

☐ Conical/tilted  ☐ Cylindrical/straight

Drawing no.:  
Please measure various places along the length of the pit. Max 12 mm variation between W min og W max. throughout the pit length

W min. = mm
W max. = mm
A min. = mm
B = mm
D = mm
E = mm
H = mm
T = mm

If the pit is mounted with light or other obstructing parts, please fill out C and F:
C min. = mm
F max. = mm

GGD150S - Floor pit jack
O min. = mm
O max. = mm
P min. = mm
P max. = mm

Fl - Heavy duty jacking beam
☐ 6 t  ☐ 12 t  ☐ 16 t  ☐ 20 t
☐ 2 t  ☐ 2.6 t  ☐ 3.2 t  ☐ 4 t

ABT - Support bridge
☐ 20 t
☐ 15 t
WARRANTY

PROLONGED WARRANTY
All products produced after January 1st 2017 are covered by a 10 year warranty on frame, chassis, and steel structures as well as a 3 year warranty on the hydraulic system (pump and cylinder)

BUSINESS AS USUAL
The warranty covers the replacement of parts due to defects in material or workmanship. Steel constructions are covered for 10 years - hydraulic systems for 3 years (pump and cylinder)

The warranty does not cover damage caused by accident, misuse, neglect, improper maintenance or normal wear and tear

WE TRUST OUR QUALITY
We have made no changes in terms or claim handling. We simply trust our quality enough to extend the warranty to 10 year / 3 year

PRODUCT EXAMPLE
The blue parts are covered by a 10 year prolonged warranty, red parts are covered by a 3 year prolonged warranty
GENERAL TERMS OF SALE AND DELIVERY FOR DELIVERIES MADE BY AC HYDRAULIC A/S

1 SCOPE
1.1 The present Terms of sale and delivery shall apply to the extent that they have not been deviated from through written agreement. The buyer's purchasing terms shall not apply unless accepted in writing by AC Hydraulic A/S (hereinafter referred to as AC).

1.2 The terms of sale and delivery shall be forwarded to the buyer and shall apply to all orders effected after the date of forwarding.

1.3 AC shall be entitled to change the terms of sale and delivery with immediate effect.

1.4 AC's products are only designed and made for commercial use and must not without AC's written consent be used or in integrated into objects which are not used commercially.

1.5 All intellectual property rights, drawings, sketches, technical specifications, etc., shall belong to AC and must not be copied or handed over to any third party without prior acceptance from AC. Nor must the products delivered be made, copied or handed over to a third party with a view to this. Unless otherwise expressly agreed the parties' agreement does not involve any transfer of intellectual property rights.

2 OFFER AND ACCEPTANCE
2.1 AC's offers shall apply for 30 days from the date of the offer unless otherwise stated. The buyer's orders and requests shall not be binding for AC until the buyer has received written order confirmation.

3 PRICE
3.1 Unless otherwise agreed, the price shall be stated exclusive of VAT and duties and in Danish currency.

3.2 All prices shall be inclusive of packing but exclusive of freight, VAT, customs duties, or other public duties.

3.3 The price is stated subject to changes considering documented changes to prices for materials, prices from sub-suppliers, changes to public duties, exchange rate changes, changes to wages and salaries, etc.

3.4 If such price changes occur AC shall, without undue delay, inform the buyer accordingly. The buyer may within 7 days from receipt of that information on the price increase cancel the agreement without being considered in default. If the buyer does not cancel the agreement within the 7 day period, the price increase is to be considered as accepted by the buyer.

3.5 Notwithstanding paragraph 3.4 AC shall - after the buyer's accept - be entitled to regulate the price in case of documented changes to exchange rates, public duties, customs duties, etc., which lead to an increase in AC's costs without the buyer has the right to cancel the agreement.

3.6 If the delivery is changed, or if AC's costs are otherwise increased because of the buyer's circumstances, AC shall in the same manner be entitled to regulate the agreed price in the same extent.

4 DELIVERY
4.1 Delivery shall be ex works AC's place of business, cf. Incoterms 2010, unless otherwise expressly agreed.

4.2 The products bought shall be forwarded at the buyer's expense and risk.

4.3 Delivery up to 30 days after the date of delivery stated in the order confirmation shall be considered delivery on time.

4.4 If delivery is delayed for more than 30 days, the buyer shall be entitled to rescind the contract unless the products purchased have been reported ready for dispatch before AC has received written information about the buyer's intention to rescind. The buyer cannot raise any claim of any kind against AC in case of a delay.

4.5 The buyer shall not be entitled to reject part delivery.

5 BARRIERS TO DELIVERY
5.1 The following circumstances shall lead to exemption from liability, if they prevent the fulfilment of the agreement or make fulfilment unreasonably onerous: Labour market dispute and any other circumstance beyond the parties' control such as fire, mobilization or military drafting, application and seizure, currency restrictions, riot, unrest, lack of means of transport, general shortage of goods, restrictions on fuel, and defects in or delays of deliveries from sub-suppliers.

5.2 If delivery without defects or on time is prevented temporarily through one or more of the above circumstances, delivery shall be postponed for a period corresponding to the duration of the prevention plus a period which is reasonable in accordance to the circumstances for normalizing the conditions. Delivery on the thus postponed date shall in every respect be considered delivery on time. If the barrier to delivery can be expected to last for more than 12 weeks, both AC and the buyer shall be entitled to cancel the agreement without being considered in default.

6 PAYMENT/RESERVATION OF PROPERTY
6.1 The terms of payment shall be net cash, unless otherwise agreed.

6.2 In case of late payment, the purchase amount shall carry interest at 1.5% per month or fraction thereof.

6.3 The products delivered shall remain AC's property until payment of the full amount has been made, including interest and costs incurred.

6.4 Complaints regarding deliveries shall not entitle the buyer to withhold payment for deliveries already made, and consequently the buyer's withholding of amounts due shall be considered default.

6.5 Does the buyer have a claim which can be set off against the purchase price the buyer is only entitled to set off after AC's prior written consent.

7 LIABILITY FOR DEFECTS
7.1 The buyer shall check and examine the supply immediately on receipt. In case of defective delivery AC shall be informed in writing immediately. The buyer shall not later be entitled to claim defects which were or ought to have been discovered through such examination. The supplier shall also apply if the buyer does not immediately complain about hidden defects discovered at a later date.

7.2 AC has the right to remedy any defects which are due to defects in materials and/or the manufacturing of the delivered products. Remedying shall either be in the form of delivery of new products or at AC's option, by repair.

7.3 If replacement or repair will lead to disproportionate costs AC, however, be entitled instead to grant a proportional reduction in the purchase amount corresponding to the decrease in value of the delivered.

7.4 AC's liability for defects is always limited to either after AC's own choice to make replacement, repair or grant the buyer a proportional reduction in the purchase amount. The buyer has no other remedies according to violation against AC.

7.5 In connection with repair and replacement, the buyer shall on their own account make sure that the defective product is made available to AC at AC's place of business. Returning of the defective product and forwarding of a new or repaired product to the buyer shall be made at the buyer's expense and risk. Furthermore, labour costs and other consequential costs are not included in AC's obligations towards the buyer.

7.6 Components replaced shall belong to AC.

7.7 AC's liability shall only cover defects discovered within 36 months from AC's delivery to buyer unless AC regarding specific parts of the product in general has undertaken liability for a longer period of time. Such longer period can never exceed 120 months from AC's delivery to buyer. AC's obligations shall lapse if the buyer does not complain within 8 days from the date when the defect was or ought to have been discovered.

7.8 AC cannot in any case be ordered to cover consequential damage, liquidated damages, day fines, operating loss, time loss, loss of profits, or any other indirect loss, and AC shall not be liable for any consequential loss and costs of demounting and remounting the objects in which the product sold may have been integrated.

7.9 AC's liability shall in no case exceed an amount corresponding to the invoice value exclusive of VAT for the defective product.

7.10 The buyer shall not remove the enclosed manual from the product. The buyer shall in no circumstances change or remove labelling regarding capacity, warnings and serial number on the product.

7.11 Changes to or intervention in the product sold without AC's written consent shall release AC from any liability for the product.

8 PRODUCT LIABILITY
8.1 AC shall be liable for injury only to the extent which is a consequence of mandatory law.

8.2 AC shall not be liable for damage to real property and goods belonging to the buyer or a third party or damage which occur while the products delivered are in the buyer's possession.

8.3 AC shall not be liable for damage to products made by the buyer or products in which the buyer's products are included, or for damage to real property or goods caused by the buyer's products as a consequence of AC's supply.

8.4 AC shall in no case be liable for consequential damage, liquidated damages, day fines, operating loss, time loss, loss of profits, or any other indirect loss.

8.5 To the extent that product liability is imposed on AC towards a third party, the buyer shall be obliged to indemnify AC to the same extent as AC's liability is limited as mentioned above.

8.6 If a third party makes a claim for product damage, AC shall immediately be informed. The buyer shall be obliged to accept legal action against them at the court or arbitral tribunal dealing with claims for compensation put forward by a third party against AC because of damage or loss claimed to have been caused by the supply.

9 PARTIAL INVALIDITY
9.1 If one or more paragraphs of these terms of delivery is declared invalid, illegal or unenforceable none of the remaining paragraphs validity, legality or feasibility affected or impaired thereof.

10 GOVERNING LAW AND VENUE
10.1 Any dispute between the parties shall be settled according to Danish law, with the exception of Danish rule of private international law. Any dispute shall be settled at the Court in Viborg which is the only proper venue.