

LIFTING TECHNOLOGY

PIT JACK

MPJ 16.5/750 1S HAE
VP 454277



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The pit jack, which is mounted in a suspended position, lifts up to 16.5 t. The overhead rail pit jack, with deep-drawn chassis and long 750 mm stroke, is suitable for work with or without axle crossbeams and support systems. The electro-hydraulic drive is operated via push buttons, a fine control option is available for downward movement. For optimal pit adaptation, the chassis is adjustable by 140 mm.

PRODUCT DETAILS/ACCESSORIES

1-stage telescopic, rail-guided, suspended

Description:

Automatic pit jack

Electric automatic pit jack

Specifically for wheel and brake works and dismantling smaller assemblies in conjunction with axle lifting beams and support systems for lorries and buses with 16.5 t load capac.

Control:

- Electrohydraulic pit jack with low-noise oil-immersed units and automatic electric control
- Up and down control via separate push button
- Adjustable fine tuning of downward speed for the utmost safety during difficult assembly work

Design:

- For precise movement, the pit jack is rail-guided at the top edge of the pit
- Guarantees easy movement of the pit jack since all rollers are

fitted with needle bearings crossways and lengthways

- Long total stroke of 750 mm to reach high-up units
- The pit jack is fitted with a downward deep-drawn P carriage for integrating an axle lifting beam at any height
- Alternatively, a straight S carriage can be used too
- Variable modular carriage system for various pit widths (700 - 1200 mm) in conjunction with different roller versions and clearance degrees for adapting to work pit circumstances
- Corrosion-resistant piston rods thanks to self-lubrication
- High-quality powder-coating protects against corrosive liquids and elevates quality look and feel on a lasting basis

Scope of delivery:

- Pit jack with electric automatic control system
- Deep-drawn P carriage and rollers for rails
- Standard support lugs 120 x 120 mm
- Operating instructions
- EC conformity certificate
- Colour: Jack base frame RAL 7040
 - Attachments and carriage RAL 7016

TECHNICAL DATA

| | |
|---|---------------|
| Load capacity (CE) | 16,500 kg |
| Stroke distance | 750 mm |
| Lifting levels | 1 |
| Min. pick-up height from roller slide rail | - 68 mm |
| Pit jack depth for roller slide rail | 1063 mm |
| Max. lifting height above roller slide rail | 681 mm |
| Slide rail width inner dimensions | 700 ÷ 1200 mm |
| Carriage adjustable range | 140mm |
| Roller rest width | 40 mm |
| Roller rest incline | 8 % / 4.6° |
| Max. parallelism deviation slide rails | 10 mm |
| Roller diameter (at the flange) | 80 (95) mm |

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| | |
|-------------------------------|--------------------|
| Mount diameter inside/outside | 45/90 mm |
| Piston rod diameter | 90 mm |
| Cable length | 5 m |
| Drive power | 2.5 kW |
| gG fuse | 16 A |
| Power supply | 3/N/PE 400 V 50 Hz |
| Oil quantity/quality | 14.5 l / HLP-D 22 |
| Drive | Electrohydraulic |
| Operating pressure | 254 bar |
| Weight | 277 kg |

ACCESSORIES

| | | | |
|-----------|---|------------------------------|--|
| VZ 975923 | S-carriage for suspended pit jacks up to 16.5 t -EXTRA CHARGE- | VZ 975409 | Wooden Lifting Pad, 6 - 16 t Load Capacity, Prismatic Design, MODEL: HP 06-16 |
| VZ 975605 | Offset rollers for suspended pit jacks of up to 16.5 t -EXTRA CHARGE- | VZ 975287 | Lifting Pad w. Rubber Surface, 11 t Load Capacity MODEL: RPG 10 |
| VZ 975924 | Cylindrical rollers for suspended pit jacks in pit profile rails | VZ 975289 | Plug-In Extender, L = 100 mm, MODEL: ZS 100/45 |
| VZ 975670 | Self-locking axle lifting beam with 14.5 t support system MODEL: SAT 14.5-760 | VZ 975290 | Plug-In Extender, L = 150 mm, MODEL: ZS 150/45 |
| VZ 975813 | Self-locking axle lifting beam with 14.5 t support system MODEL: SAT 14.5-820 | VZ 975410 | Plug-In Extender, L = 200 mm MODEL: ZS 200/45 |
| VZ 975622 | Self-locking axle lifting beam with 14.5 t support system MODEL: SAT 14.5-910 STOCK | VZ 971221 | Support Plate Extension 100 mm galvanized (2 pcs.) Diameter of supports 35 mm |
| VZ 975741 | Self-locking axle lifting beam with 14.5 t support system MODEL: SAT 14.5-910L | VZ 975330 | Support Tube L = 400 mm, Load Capacity: 20 t (Pin Diam. 45 mm) |
| VZ 975743 | SAT Rollers Retrofit Kit, Spring Mounted, with Plastic Rollers | VZ 975331 | Support Tube L = 600 mm, Load Capacity: 20 t (Pin Diameter 45 mm) |
| VZ 975814 | SAT Wheel Deflector Plates (2 pcs) | VZ 975571 | Support Tube L = 800 mm, Load Capacity: 15 t (Pin Diameter 45 mm) |
| VZ 975820 | Spacer Block for Support Systems SAT (65 x 110 x 320 mm) | VZ 975414 | Spacer Block for Support Systems TAB (100 x 140 x 450 mm) |
| VZ 975903 | Axle lifting beam up to 15 t Adjustment range max. 1010 mm MODEL: AT 15 | VZ 975732 | Gearbox Plate, Load Cpc. 1.0t Model: GP 1000 |
| VZ 975688 | Axle Traverse Length Variation | VP 975915 | Gearbox Mounting Tool with swivelling flat supports MODEL: GMT 800 |
| VZ 975906 | Axle traverse Long for busses, com. vehicles, 16.5t load cap. MODEL: AT 16.5 L1500 | VZ 975916 | Swivel supports for GMT 800 w. locking function |
| VZ 975696 | Axle Crossbar Load Capacity 3.5 t Model: ATV 3.5 | VZ 975917 | Angle clamp supports for GMT 800 with rubber pad |
| VZ 975925 | Support bridge for axle traverses up to 14.5 t load capac. MODEL: TAB 15 | VZ 975918 | Semicircular flex supports for GMT 800 with rubber pads |
| VZ 975326 | Support Bridge AB w/o Centre Cut-Out up to 14,5 t Load Cpc. MODEL: AB 15 | VZ 975611 | Pit crossing continuously adjustable for pits w/o wheel guides |
| VZ 975686 | Support System Version D/F | VZ 975612 | Pit crossing continuously adjustable for pits with wheel guides |
| VZ 975687 | Support System Version E | VZ 975613 | Railings for pit crossing continuously adjustable |
| VZ 975280 | Narrow Lifting Pad, 20 t Load Capacity, galvanized, up to 100 mm (Pin Diameter 45 mm) | SUPPLEMENTARY CHARGES | |
| VZ 975285 | Large Lifting Pad, galvanized, Load Capacity 20 t MODEL: GP 175/20 | VT 998207 | Transport Werkverkehr -SÜDGruben-, Achs-, Getriebeheber Abstütssystem (pro Packstück) |
| VZ 975283 | Large Lifting Pad, galvanized, Load Capacity 16.5 t MODEL: GP 220 | VT 998208 | Transport Werkverkehr -NORDGruben-, Achs-, Getriebeheber Abstütssystem (pro Packstück) |
| VZ 975569 | Pads with mushroom support N with pin diameter 45 mm MODEL: PS-N | VM 996148 | Montagekosten Grubenheber |
| | | VV 997599 | Packaging Suspended pit jack stackable -EUROPE/OVERSEAS- |
| | | VV 997601 | Packaging Lifting beams, gearbox plates, stackable -EUROPE/OVERSEAS- |