

LIFTING TECHNOLOGY

PIT JACK

MPJ 20.0/750 1S TA
VP 454284



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VP 454284

The pit jack lifts up to 20.0 t. The pit jack with 750 mm stroke runs on guide rails located underneath. Compressed-air rapid control provides fast movement of the piston rod when there is no load. The equipment also includes an air motor with hand control for lifting the piston rod under load.

PRODUCT DETAILS/ACCESSORIES

1-stage telescopic, rail-guided, floor-running

Description:

Automatic pit jack with pneumatic motor and fast control
Specifically for wheel/brake works in conjunction with axle lifting beams and support systems for trucks and buses with 20.0 t load capacity

Control:

- Efficient fast control for UP and DOWN movement integrated as standard
- Precision, user-friendly, pneumatic manual control cylinder with magnetic bracket for convenient and flexible quick stroke and load lifting with enlarged view into operator radius
- Delicate and precision lowering of the pit jack with tried-&-tested system with integrated dead man's control

Design:

- Precision floor-runnable, rail-guided pit jack for easy movement (needle bearings included as standard) of built-on units, including while loaded
- Telescopic carriage for precision adjustment of pit jack lane width to fit the rails in the work pit
- Precision-guided track rollers (flange-guided)

- Optional rollers for U profile or wall-guided with flat steel possible
- Secure jack holding brake in transverse direction across the work pit
- Almost unobstructed passage through the work pit thanks to floor-running carriage
- Piston support can be increased by max. 2 x 200 mm (option for very deep pits)
- Integrated inspection window for checking oil quality and quantity of the pit jack
- With its non-slip coating the carriage can be used as a secure working platform for ergonomic reasons
- 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 hydro-pneumatic automatic control system
- Carriage with four interior flanged 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) | 20,000 kg |
| Stroke distance | 750 mm |
| Lifting levels | 1 |
| Min. load uptake height | 1180 mm |
| Max. lifting height | 1930 mm |
| Slide rail width inner dimensions | 750 x 1600 mm |
| Carriage adjustable range | 230 mm |
| Roller rest width | 44 mm |
| Roller rest incline | 0 % |

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| | |
|--|-------------------|
| Min. slide rail (W x H) | 75 x 10 mm |
| Max. parallelism deviation slide rails | 10 mm |
| Roller diameter (at the flange) | 133 (148) mm |
| Support diameter inside/outside | 45/70 mm |
| Piston rod diameter | 70 mm |
| Oil quantity/quality | 15.3 l / HLP-D 10 |
| Drive | 350 l/min. 11 bar |
| Operating pressure | 308 bar |
| Weight | 403kg |

ACCESSORIES

| | | | |
|-----------|---|------------------------------|--|
| VZ 975920 | Jack-mounted compressed air maintenance unit | VZ 975287 | Lifting Pad w. Rubber Surface, 11 t Load Capacity MODEL: RPG 10 |
| VZ 975576 | Piston support extension for very deep pits 200 mm extenders | VZ 975289 | Plug-In Extender, L = 100 mm, MODEL: ZS 100/45 |
| VZ 975614 | Rollers on flat steel, wall-guided -EXTRA CHARGE- | VZ 975290 | Plug-In Extender, L = 150 mm, MODEL: ZS 150/45 |
| VZ 975635 | Outer flanged rollers -EXTRA CHARGE | VZ 975410 | Plug-In Extender, L = 200 mm MODEL: ZS 200/45 |
| VZ 975670 | Self-locking axle lifting beam with 14.5 t support system MODEL: SAT 14.5-760 | VZ 971221 | Support Plate Extension 100 mm galvanized (2 pcs.) Diameter of supports 35 mm |
| VZ 975813 | Self-locking axle lifting beam with 14.5 t support system MODEL: SAT 14.5-820 | VZ 975330 | Support Tube L = 400 mm, Load Capacity: 20 t (Pin Diam. 45 mm) |
| VZ 975622 | Self-locking axle lifting beam with 14.5 t support system MODEL: SAT 14.5-910 STOCK | VZ 975331 | Support Tube L = 600 mm, Load Capacity: 20 t (Pin Diameter 45 mm) |
| VZ 975741 | Self-locking axle lifting beam with 14.5 t support system MODEL: SAT 14.5-910L | VZ 975571 | Support Tube L = 800 mm, Load Capacity: 15 t (Pin Diameter 45 mm) |
| VZ 975743 | SAT Rollers Retrofit Kit, Spring Mounted, with Plastic Rollers | VZ 975414 | Spacer Block for Support Systems TAB (100 x 140 x 450 mm) |
| VZ 975814 | SAT Wheel Deflector Plates (2 pcs) | VZ 975732 | Gearbox Plate, Load Cpc. 1.0t Model: GP 1000 |
| VZ 975820 | Spacer Block for Support Systems SAT (65 x 110 x 320 mm) | VP 975915 | Gearbox Mounting Tool with swivelling flat supports MODEL: GMT 800 |
| VZ 975903 | Axle lifting beam up to 15 t Adjustment range max. 1010 mm MODEL: AT 15 | VZ 975916 | Swivel supports for GMT 800 w. locking function |
| VZ 975688 | Axle Traverse Length Variation | VZ 975917 | Angle clamp supports for GMT 800 with rubber pad |
| VZ 975906 | Axle traverse Long for busses, com. vehicles, 16.5t load cap. MODEL: AT 16.5 L1500 | VZ 975918 | Semicircular flex supports for GMT 800 with rubber pads |
| VZ 975696 | Axle Crossbar Load Capacity 3.5 t Model: ATV 3.5 | VZ 975611 | Pit crossing continuously adjustable for pits w/o wheel guides |
| VZ 975925 | Support bridge for axle traverses up to 14.5 t load capac. MODEL: TAB 15 | VZ 975612 | Pit crossing continuously adjustable for pits with wheel guides |
| VZ 975326 | Support Bridge AB w/o Centre Cut-Out up to 14,5 t Load Cpc. MODEL: AB 15 | VZ 975613 | Railings for pit crossing continuously adjustable |
| VZ 975686 | Support System Version D/F | SUPPLEMENTARY CHARGES | |
| VZ 975687 | Support System Version E | VT 998207 | Transport Werkverkehr -SÜDGruben-, Achs-, Getriebeheber Abstützsystem (pro Packstück) |
| VZ 975280 | Narrow Lifting Pad, 20 t Load Capacity, galvanized, up to 100 mm (Pin Diameter 45 mm) | VT 998208 | Transport Werkverkehr -NORDGruben-, Achs-, Getriebeheber Abstützsystem (pro Packstück) |
| VZ 975285 | Large Lifting Pad, galvanized, Load Capacity 20 t MODEL: GP 175/20 | VM 996148 | Montagekosten Grubenheber |
| VZ 975283 | Large Lifting Pad, galvanized, Load Capacity 16.5 t MODEL: GP 220 | VV 997600 | Packaging Floor-running jack not stackable -EUROPE/OVERSEAS- |
| VZ 975569 | Pads with mushroom support N with pin diameter 45 mm MODEL: PS-N | VV 997601 | Packaging Lifting beams, gearbox plates, stackable -EUROPE/OVERSEAS- |
| VZ 975409 | Wooden Lifting Pad, 6 - 16 t Load Capacity, Prismatic Design, MODEL: HP 06-16 | | |