

LIFTING TECHNOLOGY PIT JACK

MPJ 16.5/1200 3S TA
VP 454282



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The axle and transmission jack lifts up to 16.5 t. The axle and transmission jack, with triple telescopic cylinders (max. stroke 1200 mm), runs along bottom positioned rails. Load-free, a compressed air speed control function ensures fast movement of the two telescopic segments as well as fast retraction of the piston rods. The equipment also includes an air motor with foot pedal control for lifting the piston rod under load.

PRODUCT DETAILS/ACCESSORIES

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

Description:

Automatic axle and transmission jack with pneumatic motor and fast control in slim design specifically for dismantling assemblies and lifting vehicles up to 16.5 t

Control:

- Unique synchronised telescopic lifting cylinder for quick load lifting with fast control
- Efficient fast control for UP and DOWN movement Integrated as standard
- Precision, user-friendly foot control using compact and robust operating unit for quick lift and load lift
- Delicate and precision lowering of the pit jack with tried (>>) tested system with integrated dead man's control
- Telescopic stages protected against corrosion thanks to the Venturi effect (separation of hydraulic oil and airflow)
- Integrated cover to protect against unintentional operation

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 wall-guided rollers with flat steel possible
- Securejack holding brake in transverse direction across the work pit
- Integrated inspection window for checking oil quality and quantity of the pit jack
- Optimised removal of the dismantled units thanks to low construction height of the jack due to ideal arrangement of the lifting unit in the carriage
- 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) | 16,500 kg |
| Fast stroke power | 600 kg |
| Stroke distance | 1200 mm |
| Lifting levels | 3 |
| Min. pick-up height | 674 mm |
| Max. lifting height | 1874 mm |
| Slide rail width inner dimensions | 825 ýý 1738 mm |

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TECHNICAL DATA

| | |
|--|---------------------|
| Carriage adjustable range | 230 mm |
| Roller restwidth | 44 mm |
| Roller rest incline | 0 % |
| Min. slide rail (W x H) | 50 x 10 mm |
| Max. parallelism deviation slide rails | 10 mm |
| Roller diameter (at the flange) | 133 (148) mm |
| Support diameter inside/outside | 45/80 mm |
| Piston rod diameter | 80/115/170 mm |
| Oil quantity/quality | 27.5 l /HLP-D 10 |
| Drive | 350 l/min. 8-10 bar |
| Operating pressure | 190 bar |
| Weight | 572 kg |

ACCESSORIES

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|-----------|---|------------------------------|--|
| VZ 975920 | Jack-mounted compressed air maintenance unit | VZ 975287 | Lifting Pad w. Rubber Surface, 11 t Load Capacity MODEL: RPG 10 |
| VZ 975614 | Rollers on flat steel, wall-guided -EXTRA CHARGE- | VZ 975289 | Plug-In Extender, L = 100 mm, MODEL: ZS 100/45 |
| VZ 975744 | Pneumatic manual control cylinder with magnetic bracket | VZ 975290 | Plug-In Extender, L = 150 mm, MODEL: ZS 150/45 |
| VZ 975919 | Precision-control foot lever | 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 | Internal transport -SOUTH Pit, Axle, Gearbox jack Support system (per package) |
| VZ 975280 | Narrow Lifting Pad, 20 t Load Capacity, galvanized, up to 100 mm (Pin Diameter 45 mm) | VT 998208 | Internal transport -NORTH Pit, Axle, Gearbox jack Support system (per package) |
| 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 | | |