

LIFTING TECHNOLOGY

PIT JACK

MPJ 16.5/1200 2S HA
VP 454280



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The axle and transmission jack lifts up to 16.5 t. The axle and transmission jack, with double telescopic cylinders (max. stroke 1200 mm), runs along top 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

2-stage telescopic, rail-guided, suspended

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:

- Suspended telescopic pit jack specifically for difficult floors in

work pits, with custom-made carriage adapted specifically to the individual work pit based on dimension sheet

- Precision-guided track rollers (flange guided)
- Secure jack 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
- 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
- Hanging carriage with four 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 | 400 kg |
| Stroke distance | 1200 mm |
| Lifting levels | 2 |
| Min. pick-up height | Made-to-measure |
| Pit jack depth for roller slide rail | Made-to-measure |
| Max. lifting height above roller slide rail | Made-to-measure |
| Slide rail width inner dimensions | 700 ÷ 1200 mm |
| Carriage adjustable range | Made-to-measure |

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| | |
|--|---------------------|
| 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 |
| Support diameter inside/outside | 45/80 mm |
| Piston rod diameter | 80/115 mm |
| Oil quantity/quality | 14.5 l / HLP-D 22 |
| Drive | 350 l/min. 7-10 bar |
| Operating pressure in block | 235 bar |
| Weight | 410 kg |

ACCESSORIES

| | | | |
|-----------|---|------------------------------|--|
| VZ 975920 | Jack-mounted compressed air maintenance unit | VZ 975287 | Lifting Pad w. Rubber Surface, 11 t Load Capacity MODEL: RPG 10 |
| VZ 975744 | Pneumatic manual control cylinder with magnetic bracket | VZ 975289 | Plug-In Extender, L = 100 mm, MODEL: ZS 100/45 |
| VZ 975919 | Precision-control foot lever | VZ 975290 | Plug-In Extender, L = 150 mm, MODEL: ZS 150/45 |
| VZ 975924 | Cylindrical rollers for suspended pit jacks in pit profile rails | 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 997598 | Packaging Suspended pit jack not stackable -EUROPE- |
| VZ 975569 | Pads with mushroom support N with pin diameter 45 mm MODEL: PS-N | VV 997599 | Packaging Suspended pit jack stackable -EUROPE/OVERSEAS- |
| VZ 975409 | Wooden Lifting Pad, 6 - 16 t Load Capacity, Prismatic Design, MODEL: HP 06-16 | VV 997601 | Packaging Lifting beams, gearbox plates, stackable -EUROPE/OVERSEAS- |