

# LIFTING TECHNOLOGY

## PIT JACK

**MPJ 16.5/750 1S FA**  
VP 454273



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#### VP 454273

The pit jack lifts up to 16.5 t. The floor-running axle and transmission jack with 750 mm stroke moves freely, at 1000 kg it automatically lowers. The manual hydraulic drive unit enables pneumatic rapid control for 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, free-moving, 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 16.5 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:

- Freely movable floor-runnable pit jack for flexible use at various work locations, e.g. workshops or work pits
- Floor-running carriage with four guide rollers, two of which are

- fitted with brakes to prevent rolling away (without load)
- Spring-based roll guard: jack automatically lowers itself to floor once a load capacity of about 1000 kg is reached, securing itself in the process
- 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
- 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 guide rollers
- 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. load uptake height	1189 mm
Max. lifting height	1939 mm
Carriage (L x W)	1010 x 760 mm
Rollers	80 mm (polyamide)
Support diameter inside/outside	45/70 mm
Piston rod diameter	70 mm
Oil quantity/quality	9.5 l / HLP-D 10
Drive	350 l/min. 11 bar

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Operating pressure	254 bar
Weight	193 kg

## ACCESSORIES

### ACCESSORIES - CARRIAGE

- VZ 975920 Jack-mounted compressed air maintenance unit
- VZ 975576 Piston support extension for very deep pits 200 mm extenders

### ACCESSORIES - TRAVERSES, SUPPORT BRIDGES, SUPPORT SYST.

- VZ 975670 Self-locking axle lifting beam with 14.5 t support system MODEL: SAT 14.5-760
- VZ 975813 Self-locking axle lifting beam with 14.5 t support system MODEL: SAT 14.5-820
- VZ 975622 Self-locking axle lifting beam with 14.5 t support system MODEL: SAT 14.5-910 STOCK
- VZ 975741 Self-locking axle lifting beam with 14.5 t support system MODEL: SAT 14.5-910L
- VZ 975743 SAT Rollers Retrofit Kit, Spring Mounted, with Plastic Rollers
- VZ 975814 SAT Wheel Deflector Plates (2 pcs)
- VZ 975820 Spacer Block for Support Systems SAT (65 x 110 x 320 mm)
- VZ 975903 Axle lifting beam up to 15 t Adjustment range max. 1010 mm MODEL: AT 15
- VZ 975688 Axle Traverse Length Variation
- VZ 975906 Axle traverse Long for busses, com. vehicles, 16.5t load cap. MODEL: AT 16.5 L1500
- VZ 975696 Axle Crossbar Load Capacity 3.5 t Model: ATV 3.5
- VZ 975925 Support bridge for axle traverses up to 14.5 t load capac. MODEL: TAB 15
- VZ 975326 Support Bridge AB w/o Centre Cut-Out up to 14,5 t Load Cpc. MODEL: AB 15
- VZ 975686 Support System Version D/F
- VZ 975687 Support System Version E

### ACCESSORIES - LOAD LIFTING PADS, LIFTING PADS, EXTENDERS, SUPPORT TUBES

- VZ 975280 Narrow Lifting Pad, 20 t Load Capacity, galvanized, up to 100 mm (Pin Diameter 45 mm)
- VZ 975285 Large Lifting Pad, galvanized, Load Capacity 20 t MODEL: GP 175/20
- VZ 975283 Large Lifting Pad, galvanized, Load Capacity 16.5 t MODEL: GP 220
- VZ 975569 Pads with mushroom support N with pin diameter 45 mm MODEL: PS-N

- VZ 975409 Wooden Lifting Pad, 6 - 16 t Load Capacity, Prismatic Design, MODEL: HP 06-16
- VZ 975287 Lifting Pad w. Rubber Surface, 11 t Load Capacity MODEL: RPG 10
- VZ 975289 Plug-In Extender, L = 100 mm, MODEL: ZS 100/45
- VZ 975290 Plug-In Extender, L = 150 mm, MODEL: ZS 150/45
- VZ 975410 Plug-In Extender, L = 200 mm MODEL: ZS 200/45
- VZ 971221 Support Plate Extension 100 mm galvanized (2 pcs.) Diameter of supports 35 mm
- VZ 975330 Support Tube L = 400 mm, Load Capacity: 20 t (Pin Diam. 45 mm)
- VZ 975331 Support Tube L = 600 mm, Load Capacity: 20 t (Pin Diameter 45 mm)
- VZ 975571 Support Tube L = 800 mm, Load Capacity: 15 t (Pin Diameter 45 mm)
- VZ 975414 Spacer Block for Support Systems TAB (100 x 140 x 450 mm)
- VZ 975732 Gearbox Plate, Load Cpc. 1.0t Model: GP 1000
- VP 975915 Gearbox Mounting Tool with swivelling flat supports MODEL: GMT 800
- VZ 975916 Swivel supports for GMT 800 w. locking function
- VZ 975917 Angle clamp supports for GMT 800 with rubber pad
- VZ 975918 Semicircular flex supports for GMT 800 with rubber pads
- VZ 975611 Pit crossing continuously adjustable for pits w/o wheel guides
- VZ 975612 Pit crossing continuously adjustable for pits with wheel guides
- VZ 975613 Railings for pit crossing continuously adjustable

### SUPPLEMENTARY CHARGES

- VT 998207 Transport Werkverkehr -SÜDGruben-, Achs-, Getriebeheber Abstützsystem (pro Packstück)
- VT 998208 Transport Werkverkehr -NORDGruben-, Achs-, Getriebeheber Abstützsystem (pro Packstück)
- VM 996148 Montagekosten Grubenheber
- VV 997600 Packaging Floor-running jack not stackable -EUROPE/OVERSEAS-
- VV 997601 Packaging Lifting beams, gearbox plates, stackable -EUROPE/OVERSEAS-