

# LIFTING TECHNOLOGY

## PIT JACK

**MPJ 16.5/750 1S HM**  
VP 454275



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#### VP 454275

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 manual hydraulic drive can be expanded with a pneumatic speed control function for fast piston rod movement. For lifting under load, an air motor can be additionally installed. For optimal pit adaptation, the chassis is adjustable by 140 mm.

#### PRODUCT DETAILS/ACCESSORIES

1-stage telescopic, rail-guided, suspended

##### Description:

Manual pit jack with hand pump for load lifting  
Specifically for wheel and brake works and dismantling smaller assemblies in conjunction with axle lifting beams and support systems for trucks and buses with 16.5 t load capacity

##### Control:

- Precision, user-friendly hand pump for fast stroke and lift
- Delicate and precision lowering of the pit jack with tried & tested system with integrated dead man's control

##### 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 hand pump
- 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	- 69 mm
Pit jack depth for roller slide rail	1070 mm
Max. lifting height above roller slide rail	681 mm
Slide rail width inner dimensions	700 1200 mm
Carriage adjustable range	140 mm
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	45/70 mm

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Piston rod diameter	70 mm
Oil quantity/quality	9.5 l / HLP-D 10
Drive	Manual hydraulic
Operating pressure	254 bar
Weight	239 kg

## ACCESSORIES

### ACCESSORIES - CARRIAGE

VZ 975923 S-carriage for suspended pit jacks up to 16.5 t -EXTRA CHARGE-

VZ 975605 Offset rollers for suspended pit jacks of up to 16.5 t -EXTRA CHARGE-

VZ 975924 Cylindrical rollers for suspended pit jacks in pit profile rails

VZ 975562 Special rollers f. suspended and rail-guided pit jacks -EXTRA CHARGE-

### 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 998106 Transportkosten Grubenheber Abstütssystem, Getriebeplatten

VT 998108 Transportkosten Abstütssystem, Getriebeplatten

VM 996148 Montagekosten Grubenheber

VV 997598 Packaging Suspended pit jack not stackable -EUROPE-

VV 997599 Packaging Suspended pit jack stackable -EUROPE/OVERSEAS-

VV 997601 Packaging Lifting beams, gearbox plates, stackable -EUROPE/OVERSEAS-