

# LIFTING TECHNOLOGY

## PIT JACK

**MPJ 4.0/750 1S HM**  
VP 254032



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#### VP 254032

The pit jack, which is mounted in a suspended position, lifts up to 4,0 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

Specially for wheel and brake works and dismantling  
smaller assemblies in conjunction with axle lifting beams and  
support stands for cars and vans with 4.0 t load capacity

##### Control:

- Precision, user-friendly hand pump for fast stroke and lift
- Delicate and precision lowering of the pit jack with tried (&gt;) 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)	4,000 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

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Roller diameter (at the flange)	80 (95) mm
Support diameter inside/outside	30/45 mm
Piston rod diameter	60 mm
Oil quantity/quality	3.3 l / HLP-D 10
Drive	Manual hydraulic
Operating pressure	144 bar
Weight	198 kg

## ACCESSORIES

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 975742	Axle Crossbar Load Capacity 3.5 t Model: ATV 3.5/30
VZ 975369	Lifting Pad with Rubber Surface, 2 - 4.5 t Load Capacity MODEL: RP 125
VZ 975414	Spacer Block for Support Systems TAB (100 x 140 x 450 mm)
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	Internal transport -SOUTH Pit, Axle, Gearbox jack Support system (per package)
VT 998208	Internal transport -NORTH Pit, Axle, Gearbox jack Support system (per package)
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-