LIFTING TECHNOLOGY
PIT JACK

MPJ 20.0/750 1S FA
VP 454283

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The pit jack lifts up to 20.0 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 20.0 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-running pit jack for flexible use at various work locations, e.g. workshops or work pit
- 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)	20,000 kg
Stroke distance	750 mm
Lifting levels	1
Min. load pick-up 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	15.3 l / HLP-D 10

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TECHNICAL DATA

Drive	350 l/min. 11 bar
Operating pressure	308 bar
Weight	193 kg

ACCESSORIES

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

SUPPLEMENTARY CHARGES

VT 998207	Internal transport -SOUTHPit, Axle, Gearbox jack Support system (per package)
VT 998208	Internal transport -NORTHPit, Axle, Gearbox jack Support system (per package)
VM 996148	Montagekosten Grubenheber
VV 997600	Packaging Floor-running jack not stackable -EUROPE/OVERSEAS-
VV 997601	Packaging Lifting beams, gearbox plates, stackable -EUROPE/OVERSEAS-

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