

PRODUCT BRIEF

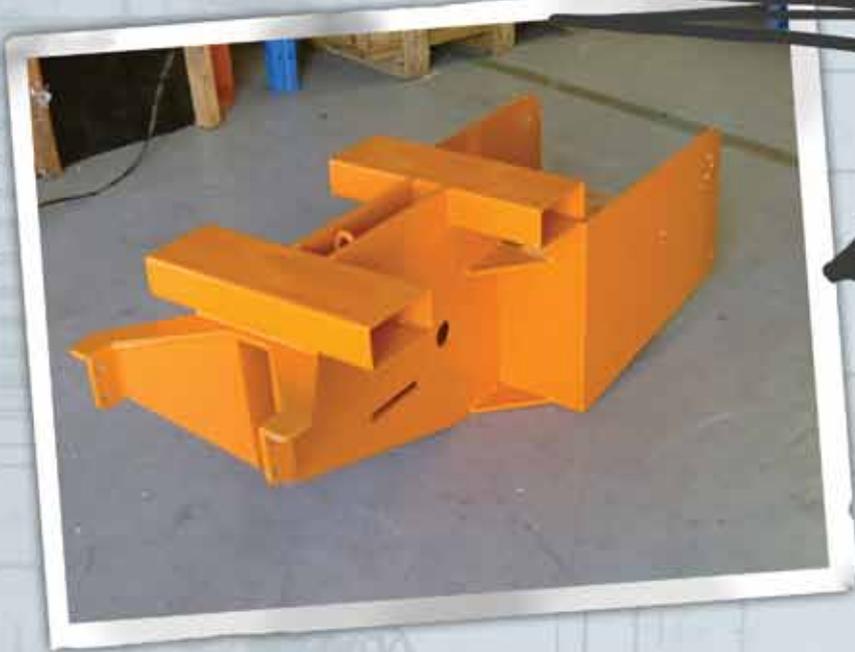


SCORPION



SCORPION JACKS

BUILT TOUGH TO LAST



- ← Heavy duty, all welded, steel chassis forms the backbone of these incredibly rugged jacks.
- ↓ All air lines are totally protected within the boxed steel handle.
- ↓ Hydraulic steel tubes not located under the hinged cover are mounted well below the top of the chassis and behind the wheels for added protection.

Fully protected yet easily accessible:

- Hydraulic pump
- Air silencer
- Directional Valve
- Hydraulic Relief Valve
- Counterbalance Valve
- Reservoir Filler/Breather
- Hydraulic Return Line Filter
- Most of the High Pressure Oil Tubes

Protected by the steel cover yet accessible from the rear is the air filter, regulator, lubricator, pressure gauge and pressure relief valve.



The availability of your mining equipment is only as good as the reliability of your service equipment.



Slim line design makes Scorpion the narrowest jack in its class on the market. This reduces the effort required to move and position the jack and leaves more available space for stands etc.



Adjustable handle height can be quickly changed to the most comfortable operator position, reducing back strain. Optional Handle Hinge mechanism allows for near vertical storage of handle to reduce congestion on your workshop floor.



Slotted axle mounting allows the balance of the jack to be set to that most comfortable for the operator. Tapered roller bearings in wheel hubs reduce the effort needed to move the jack.



Unique trunnion mount allows the jacking cylinder to find its own level without strain on the wheels and chassis. Their design allows all oil to pass to and from the jack without the need for flexible lines.



SAFETY FEATURES

Extra Stability

Scorpion HEJ series jacks operate at just 3300 psi, which is one third of many of our competitor's. At this pressure, the jacking cylinder bore must be considerably larger to generate the full capacity of the jack. The larger bore, rod and base plate make for extremely stable jacking. Scorpion's patented trunnion mounting allows the jacking cylinder to free stand flat on the floor.

Greater Control

The use of double acting jacking cylinder (including the telescopic models) gives greater control particularly during descent. Counterbalance valves prevent "over run" should the load try to descend faster than the pump can supply oil. This requires the jack to be powered down and prevents accidental lowering of the load.

Three Way Overload Protection

- ➔ An air pressure regulator is set to 90psi (96psi for HEJ150), the level required for maximum lift.
- ➔ Installed directly after the regulator is an air pressure relief valve set to 95psi.
- ➔ An hydraulic pressure relief valve is incorporated in the hydraulic circuit.

Low Pressure Operation

Because Scorpion uses just one third the pressure of many of their competitors the hydraulic components last longer and are less likely to fail suddenly. In the event of a catastrophic failure there will be three times the oil to lose with only one third the pressure to force it out. The collapse rate of a Scorpion will be much slower than units working at 10,000psi.

Low Effort to Move and Position

The combination of large diameter wheels and pneumatic tyres, adjustable axle position, and adjustable handle not only reduce the effort required but, most importantly, eliminates strain on the operator's back.

Simple Operation

A simple toggle switch (pneumatic valve) located well away from the load controls "UP-HOLD-DOWN". Counter balance valves prevent the load from creeping down during "HOLD" and require the jack to be powered down.



- ➔ Completely self contained
- ➔ Clean, simple, clutter free design
- ➔ Air filter and lubricator fitted for long life of pneumatic valves and hydraulic pump
- ➔ Air regulator, pressure gauge and tamper proof air pressure relief valve
- ➔ Controls located well clear of the machine during lifting

HEAVY EQUIPMENT JACKS

Single stage, double acting hydraulic jacks



- 50 tonne (55 short tons)
- 3 stroke lengths available:
237mm (9"), 350mm (14") and 450mm (18")



2 stage, double acting hydraulic jacks



- 50 tonne x 25 tonne (55 x 27 short tons)
- 232mm stroke (1st stage) 195mm stroke (2nd stage)



Single stage, double acting hydraulic jacks



- 100 tonnes (110 short tons) - standard and low profile
- 150 tonnes (165 short tons) - standard and low profile



2 stage, double acting hydraulic jacks



- 100 tonne x 50 tonne (110 x 55 short tons)
Standard & low profile
- 150 tonne x 80 tonne (165 x 88 short tons)
Standard & low profile



Single stage, double acting hydraulic jacks/stands



- 100 tonne (110 short tons) x 380mm stroke (15")
- 100 tonne (110 short tons) x 660mm stroke (26")



3, 4 & 5 stage, double acting hydraulic jacks



- 25 tonne (27 short tons), 4 stage, x 350mm (13.3/4") stroke
- 25 tonne (27 short tons), 5 stage, x 440mm (17.3/8") stroke
- 50 tonne (55 short tons), 3 stage x 263mm (10.5/16") stroke
- 50 tonne (55 short tons), 4 stage, x 350mm (13.3/4") stroke



Fixed height floor stands and transport truck



- 50 tonne (55 short tons) 600 to 1473mm
(24" to 58") heights
- 100 tonne (110 short tons) 914 to 1473mm
(36" to 58")



Swing pinion installation jacks



- Custom designed for most makes of draglines

