



SE Screw Heavy Duty Jack Actuators

Shackleton have manufactured heavy duty screw jack actuators for over 40 years and offer a standard range from 10 to 300 tonnes capacity.

Typical applications are:

- Positioning steel mill rolls
- Controlling lock and sluice gates
- Paper mill roll positioning
- Drum lifts in the steel wire and electric cable industries
- Positioning loading docks
- Filter press applications

Screw jacks are available in three different configurations:

- Upright screw action
- Inverted screw action
- Rotating screw action

Features of the Shackleton range are:

- Cast iron casing or fabricated steel casing
- Lifting screw from forged steel
- Minimal backlash
- Ground worm shaft
- Centrifugally cast Phosphor Bronze worm wheel
- Taper roller thrust bearings
- Threaded, clevis or plain rod ends
- Self locking action
- Protective bellows available

Screw Jack Capacity Table

Size	SE10		SE15		SE20		SE25		SE35	
Capacity Tonnes*	10		15		20		25		35	
Standard Ratio	8:1	24:1	8:1	24:1	8:1	24:1	10.7:1	32:1	10.7:1	32:1
Turns to lift 1mm	2/3	2	2/3	2	2/3	2	2/3	2	2/3	2
Input Torque NM	10.35	4.60	17.70	8.05	17.70	8.05	30.80	14.80	50.60	24.00
Diameter of Screw mm	50		60		65		90		100	
Screw Pitch mm	12		12		12		16		16	
Closed Height mm	185		200		235		279		330	
Weight 150 mm rise kg	25		31		44		84		160	
*Note: Larger screw jacks of up to 300 tonnes capacity are available										

If you would like further information about Shackleton Screw Jacks please contact us.

Disclaimer

Whilst we have endeavoured to ensure that the information contained herein is accurate, Shackleton Engineering does not accept responsibility for any errors or omissions.