

## Technical information

### Applications

Mechanical screw jacks are mechanical parts for the construction of machines and have many uses in presses, elevating tables, elevating platforms, theatre stages, work platforms, raising installations, rolling mill cylinder adjustment, material feeds, rocking systems, assembly tables and loading platforms.

### General info.

The SVR and SVT series are greased during installation and designed to work in temperatures from  $-30^{\circ}\text{C}$  to  $+80^{\circ}\text{C}$ . Fully loaded, the duty cycle (DC) should not exceed 20% over an hour or 30% over 10 minutes. For longer durations or higher speeds we recommend the use of ball screws. They are delivered finished in a light blue (RAL5012) water based primer.



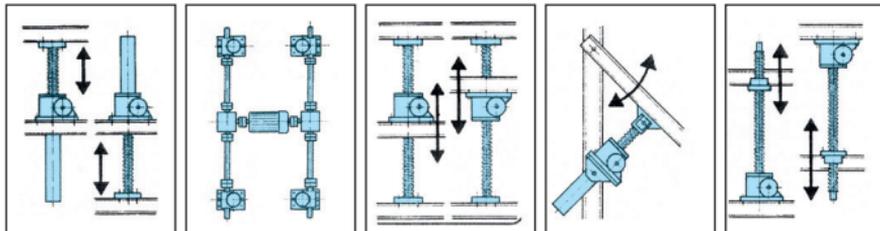
Screws are delivered unlubricated, they should be greased after installation.

### Models

There is a difference between the version with a moving screw (SVR) and the version with a moving nut (SVT). In the version with a moving screw, the screw does not turn but has an alternating rectilinear movement. In the version with a moving nut, the screw turns and drives the nut in an alternating rectilinear movement. The movement may be upwards or downwards in both versions.

### Advantages

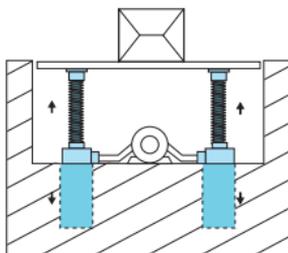
- Precise synchronisation of multiple jacks, even where jacks may have different loads.
- As they are irreversible, there is no possibility that gravity will cause the loads to descend.
- Synchronous drive by electric motor or manual handle.
- Accurate and measurable movements.
- Works in any orientation.
- Not sensitive to temperature, even over long periods.



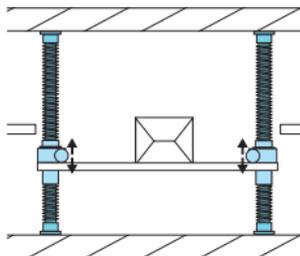
# Screwjack

SVT

Screw moves, nut is fixed

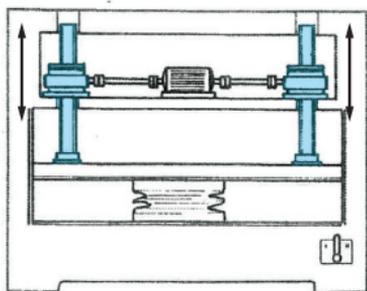


Screw uppermost

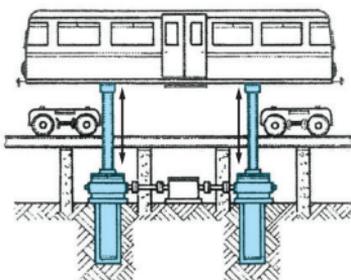


Box will travel full length of the thread

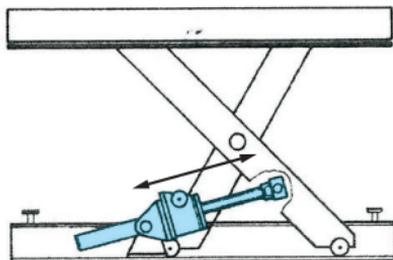
Without protective cover



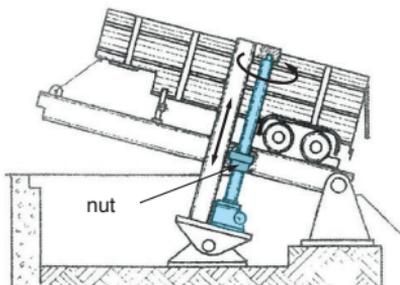
Suspended load  
Screw underneath: NO BUCKLING



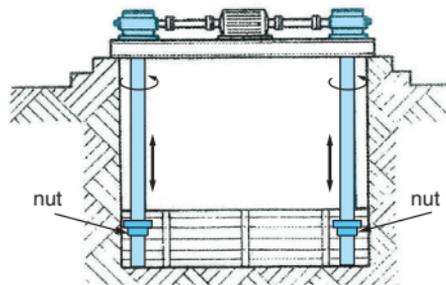
Screw uppermost



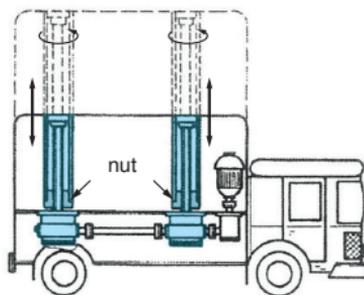
Can be used in any position



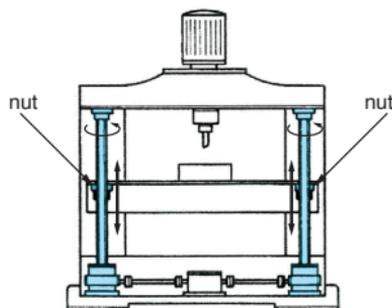
Screw uppermost



Screw uppermost



Screw uppermost



Screw suspended downwards :  
NO BUCKLING