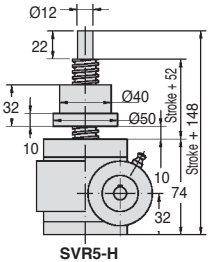
Screwjack with travelling nut

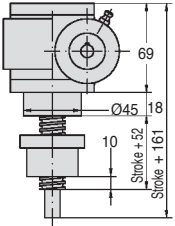
SVR5 — Nominal force: 5,000N

- **Basic stroke: 100mm**
- Material: Aluminium (body)
- Weight (without screw):1.5kg
- Weight of screw: 0.2kg /100mm
- Lubrication: Grease (50g required)

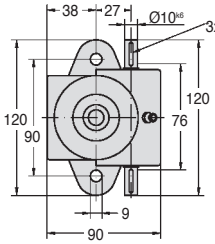


SVR5-H





SVR5-B



Part number	Reduction ratio	Torque at nominal force (Nm)	Efficiency	rpm max.	Max. speed (m/min)	Max. power (kW) at 20% DC	Max. power (kW) at 10% DC
SVR5-10	10:1	1,54	31%	2800	1,68	0,18	0,23
SVR5-20	20:1	1,04	23%	2800	0,84	0,18	0,23

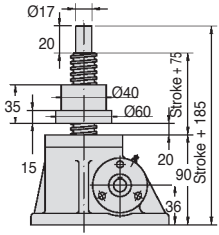
Part number	Reduction ratio	Stroke (H)	Screw Ø	Stroke per rev (mm)	Nominal force (N)	Price each
Upwards direction						
SVR5-10-100H	10:1	100	TR20 x 6	0,6	5000	On request
SVR5-20-100H	20:1	100	TR20 x 6	0,3	5000	On request
SVR5-COURSE	per additional 100mm of stroke length					On request
Downwards direction						
SVR5-10-100B	10:1	100	TR20 x 6	0,6	5000	On request
SVR5-20-100B	20:1	100	TR20 x 6	0,3	5000	On request
SVR5-COURSE	per additional 100mm of stroke length					On request

Dimensions in mm

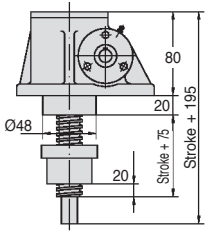
Nominal load 15,000N — SVR15

- ***Standard stroke length: 100mm***
- *Material:*
  Body: Iron GGG50
- *Weight (without screw):*
  3.2 kg
- *Weight of screw:*
  0.3 kg /100mm
- *Lubrication: Grease*
  (100g required)

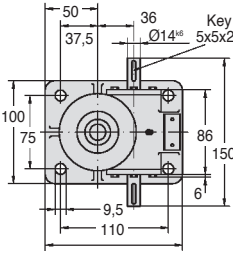




SVR15-H



SVR15-B



Part number	Reduction ratio	Torque at nominal force (Nm)	Efficiency	rpm max.	Max. speed (m/min)	Max. power (kW) at 20% DC	Max. power (kW) at 10% DC
SVR15-6	6:1	7,23	33%	2800	2,80	0,35	0,46
SVR15-25	25:1	2,86	20%	2800	0,67	0,35	0,46

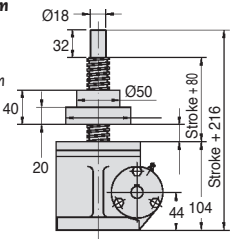
Part number	Reduction ratio	Stroke (H)	Screw Ø	Stroke per rev (mm)	Nominal force (N)	Price each
Upwards direction						
SVR15-6-100H	6:1	100	TR24 x 6	1,00	15000	On request
SVR15-25-100H	25:1	100	TR24 x 6	0,24	15000	On request
SVR15-COURSE	per additional 100mm of stroke length					On request
Downwards direction						
SVR15-6-100B	6:1	100	TR24 x 6	1,00	15000	On request
SVR15-25-100B	25:1	100	TR24 x 6	0,24	15000	On request
SVR15-COURSE	per additional 100mm of stroke length					On request

Dimensions in mm

Screwjack with travelling nut

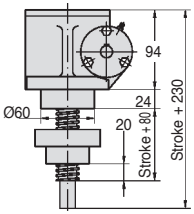
SVR20 — Nominal load 20,000N

- ***Standard stroke length: 100mm***
- *Material:*
  Body: Iron GGG50
- *Weight (without screw): 7.8 kg*
- *Weight of screw: 0.34 kg /100mm*
- *Lubrication: Grease*
  (150g required)

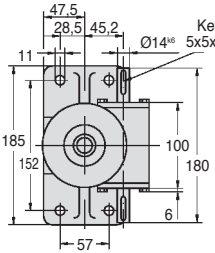


SVR20-H





SVR20-B



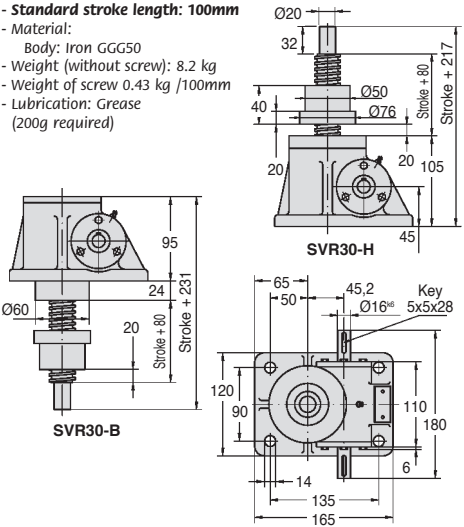
Part number	Reduction ratio	Torque at nominal force (Nm)	Efficiency	rpm max.	Max. speed (m/min)	Max. power (kW) at 20% DC	Max. power (kW) at 10% DC
SVR20-6	6:1	9,8	32%	2800	2,8	0,5	0,7
SVR20-24	24:1	4,1	19%	2800	0,7	0,5	0,7

Part number	Reduction ratio	Stroke (H)	Screw Ø	Stroke per rev (mm)	Nominal force (N)	Price each
Upwards direction						
SVR20-6-100H	6:1	100	TR26 x 6	1,00	20000	On request
SVR20-24-100H	24:1	100	TR26 x 6	0,25	20000	On request
SVR20-COURSE	per additional 100mm of stroke length					On request
Downwards direction						
SVR20-6-100B	6:1	100	TR26 x 6	1,00	20000	On request
SVR20-24-100B	24:1	100	TR26 x 6	0,25	20000	On request
SVR20-COURSE	per additional 100mm of stroke length					On request

Dimensions in mm

Nominal load 30,000N — SVR30

- ***Standard stroke length: 100mm***
- *Material:*
  Body: Iron GGG50
- *Weight (without screw): 8.2 kg*
- *Weight of screw 0.43 kg /100mm*
- *Lubrication: Grease*
  (200g required)





Part number	Reduction ratio	Torque at nominal force (Nm)	Efficiency	rpm max.	Max. speed (m/min)	Max. power (kW) at 20% DC	Max. power (kW) at 10% DC
SVR30-6	6:1	16,5	29%	2800	2,8	0,6	0,8
SVR30-24	24:1	7,0	17%	2800	0,7	0,6	0,8

Part number	Reduction ratio	Stroke (H)	Screw Ø	Stroke per rev (mm)	Nominal force (N)	Price each
Upwards direction						
SVR30-6-100H	6:1	100	TR30 x 6	1,00	30000	On request
SVR30-24-100H	24:1	100	TR30 x 6	0,25	30000	On request
SVR30-COURSE		per additional 100mm of stroke length				On request
Downwards direction						
SVR30-6-100B	6:1	100	TR30 x 6	1,00	30000	On request
SVR30-24-100B	24:1	100	TR30 x 6	0,25	30000	On request
SVR30-COURSE		per additional 100mm of stroke length				On request

Dimensions in mm

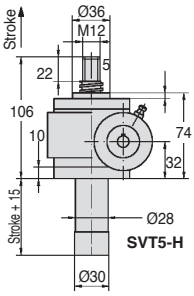
Screwjack with translating screw

SVT5 — Nominal load 5,000N

- ***Standard stroke length: 100mm***
- *Material:*
  Body: Aluminium
- *Weight (without screw): 1.5 kg*
- *Weight of screw: 0.2 kg /100mm*
- *Lubrication: Grease (50g required)*

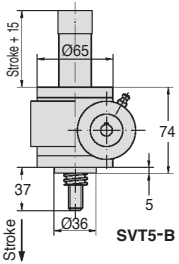
Accessories

- *Plate* ***SVT5-PLATEAU***
- *Clevis* ***SVT5-CHAPE (tome 3 p.380)***
- *Bracket* ***SVT5-SK (tome 3 p.380)***

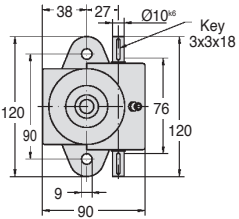


SVT5-H





SVT5-B



Part number	Reduction ratio	Torque at nominal force (Nm)	Efficiency	rpm max.	Max. speed (m/min)	Max. power (kW) at 20% DC	Max. power (kW) at 10% DC
SVT5-10	10:1	1,54	31%	2800	1,68	0,18	0,23
SVT5-20	20:1	1,04	23%	2800	0,84	0,18	0,23

Part number	Reduction ratio	Stroke (H)	Screw Ø	Stroke per rev (mm)	Nominal force (N)	Price each
Upwards direction						
SVT5-10-100H	10:1	100	TR20 x 6	0,6	5000	On request
SVT5-20-100H	20:1	100	TR20 x 6	0,3	5000	On request
SVT5-COURSE		per additional 100mm of stroke length				On request
Downwards direction						
SVT5-10-100B	10:1	100	TR20 x 6	0,6	5000	On request
SVT5-20-100B	20:1	100	TR20 x 6	0,3	5000	On request
SVT5-COURSE		per additional 100mm of stroke length				On request

Dimensions in mm

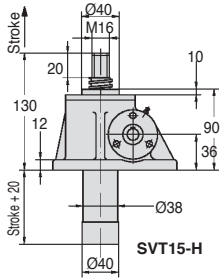
Screwjack with translating screw

Nominal load 15,000N — SVT15

- ***Standard stroke length: 100mm***
- *Material: body: Iron GGG50*
- *Weight (without screw): 3.2 kg*
- *Weight of screw: 0.3 kg /100mm*
- *Lubrication: Grease (100g required)*

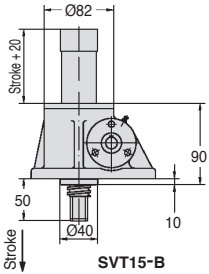
Accessories

- *Plate* ***SVT5-PLATEAU***
- *Clevis* ***SVT5-CHAPE (tome 3 p.380)***
- *Bracket* ***SVT5-SK (tome 3 p.380)***

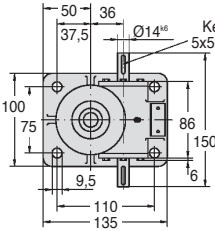


SVT15-H





SVT15-B



Part number	Reduction ratio	Torque at nominal force (Nm)	Efficiency	rpm max.	Max. speed (m/min)	Max. power (kW) at 20% DC	Max. power (kW) at 10% DC
SVT15-6	6:1	7,23	33%	2800	2,80	0,35	0,46
SVT15-25	25:1	2,86	20%	2800	0,67	0,35	0,46

Part number	Reduction ratio	Stroke (H)	Screw Ø	Stroke per rev (mm)	Nominal force (N)	Price each
Upwards direction						
SVT15-6-100H	6:1	100	TR24 x 6	1,00	15000	On request
SVT15-25-100H	25:1	100	TR24 x 6	0,24	15000	On request
SVT15-COURSE	per additional 100mm of stroke length					On request
Downwards direction						
SVT15-6-100B	6:1	100	TR24 x 6	1,00	15000	On request
SVT15-25-100B	25:1	100	TR24 x 6	0,24	15000	On request
SVT15-COURSE	per additional 100mm of stroke length					On request

Dimensions in mm

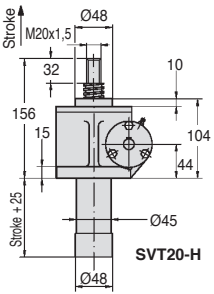
Screwjack with translating screw

SVT20 — Nominal load 20,000N

- ***Standard stroke length: 100mm***
- *Material:*
  Body: Iron GGG50
- *Weight (without screw): 7.8 kg*
- *Weight of screw: 0.34 kg /100mm*
- *Lubrication: Grease (150g required)*

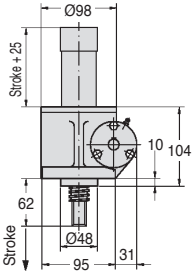
Accessories

- Plate **SVT5-PLATEAU**
- Clevis **SVT5-CHAPE** *(tome 3 p.380)*
- Bracket **SVT5-SK** *(tome 3 p.380)*

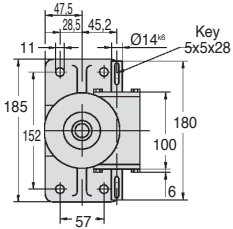


SVT20-H





SVT20-B



Part number	Reduction ratio	Torque at nominal force (Nm)	Efficiency	rpm max.	Max. speed (m/min)	Max. power (kW) at 20% DC	Max. power (kW) at 10% DC
SVT20-6	6:1	9,8	32%	2800	2,8	0,5	0,7
SVT20-24	24:1	4,1	19%	2800	0,7	0,5	0,7

Part number	Reduction ratio	Stroke (H)	Screw Ø	Stroke per rev (mm)	Nominal force (N)	Price each
Upwards direction						
SVT20-6-100H	6:1	100	TR26 x 6	1,00	20000	On request
SVT20-24-100H	24:1	100	TR26 x 6	0,25	20000	On request
SVT20-COURSE	per additional 100mm of stroke length					On request
Downwards direction						
SVT20-6-100B	6:1	100	TR26 x 6	1,00	20000	On request
SVT20-24-100B	24:1	100	TR26 x 6	0,25	20000	On request
SVT20-COURSE	per additional 100mm of stroke length					On request

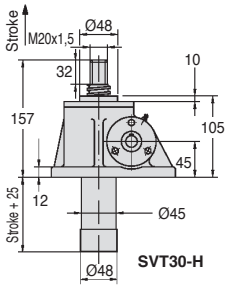
Dimensions in mm

Nominal load 30,000N — SVT30

- ***Standard stroke length: 100mm***
- *Material:*
  Body: Iron GGG50
- *Weight (without screw): 8.2 kg*
- *Weight of screw: 0.43 kg /100mm*
- *Lubrication: Grease (200g required)*

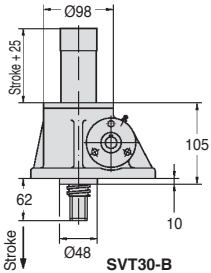
Accessories

- *Plate* ***SVT5-PLATEAU***
- *Clevis* ***SVT5-CHAPE (tome 3 p.380)***
- *Bracket* ***SVT5-SK (tome 3 p.380)***

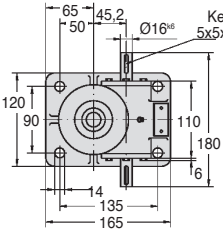


SVT30-H





SVT30-B



Part number	Reduction ratio	Torque at nominal force (Nm)	Efficiency	rpm max.	Max. speed (m/min)	Max. power (kW) at 20% DC	Max. power (kW) at 10% DC
SVT30-6	6:1	16,5	29%	2800	2,8	0,6	0,8
SVT30-24	24:1	7,0	17%	2800	0,7	0,6	0,8

Part number	Reduction ratio	Stroke (H)	Screw Ø	Stroke per rev (mm)	Nominal force (N)	Price each
Upwards direction						
SVT30-6-100H	6:1	100	TR30 x 6	1,00	30000	On request
SVT30-24-100H	24:1	100	TR30 x 6	0,25	30000	On request
SVT30-COURSE	per additional 100mm of stroke length					On request
Downwards direction						
SVT30-6-100B	6:1	100	TR30 x 6	1,00	30000	On request
SVT30-24-100B	24:1	100	TR30 x 6	0,25	30000	On request
SVT30-COURSE	per additional 100mm of stroke length					On request

Dimensions in mm

Screwjack – pivot mounting

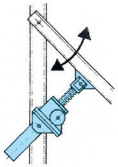
SVTCH SVTSK

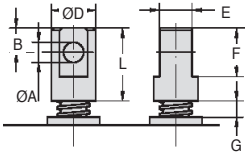
Pivoting bracket and clevis

Pivoting assemblies *are often used to avoid radial loads on the screw. A pivoting bracket is placed under the casing, whereas a clevis is placed at the end of the screw.*

Important

As the clevis has a special thread, it must be ordered at the same time as the screwjack. They cannot be supplied separately.



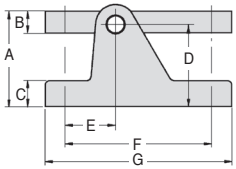


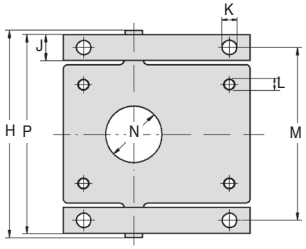
DISCOUNTS

Qty	1+	2+
Disc.	List	On request

Clevis

Part number	For screwjack	ØA	B	ØD	L	E	F	G	Price each
SVT5-CH	SVT5	15	15	30	50	20	30	10	On request
SVT15-CH	SVT15	15	15	35	50	25	35	20	On request
SVT20-CH	SVT20	15	23	40	65	30	46	20	On request
SVT30-CH	SVT30	15	23	40	65	30	46	20	On request





Pivoting bracket

Part number	For screwjack	A	B	C	D	E	F	G
SVT5-SK	SVT5	50,0	10	8	45,0	30,0	060	070
SVT15-SK	SVT15	67,5	15	15	60,0	37,5	110	135
SVT20-SK	SVT20	90,0	25	20	77,5	50,0	135	165
SVT30-SK	SVT30	90,0	25	20	77,5	50	135	165

Part number	H	P	J	K	L	M	N	Price each
SVT5-SK	150	144	10	6	M8	134	45,2	On request
SVT15-SK	150	140	15	9	M8	125	48,2	On request
SVT20-SK	260	250	25	13	M10	225	60,2	On request
SVT30-SK	190	180	25	13	M12	155	60,2	On request

Dimensions in mm

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°Cto +80°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.

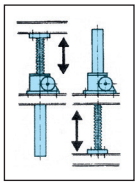
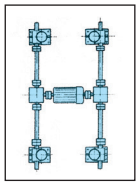
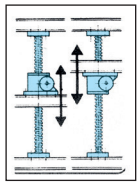
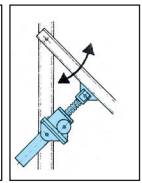
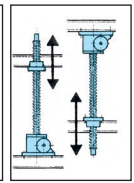
ⓘ Screws are delivered unlubricated, they should be greased after installation.

Models

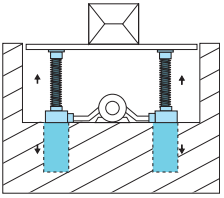
There is a difference between the version with a moving screw (SVR) and the version with a moving nut (SVT). In the version with a moving screw, the screw does not turn but has an alternating rectilinear movement. In the version with a moving nut, the screw turns and drives the nut in an alternating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

Advantages

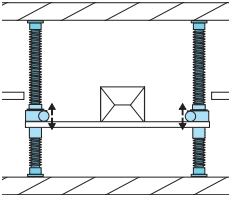
- Precise synchronisation of multiple jacks, even where jacks may have different loads.
- As they are irreversible, there is no possibility that gravity will cause the loads to descend.
- Synchronous drive by electric motor or manual handle.
- Accurate and measurable movements.
- Works in any orientation.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

Screw moves, nut is fixed

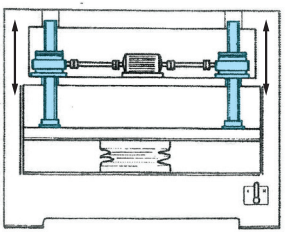


Screw uppermost

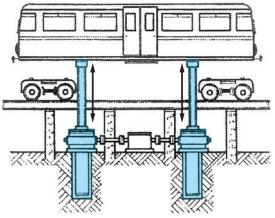


Without protective cover

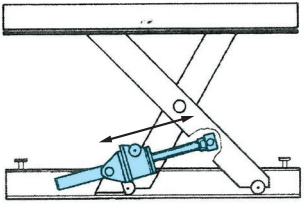
Box will travel full length of the thread



Suspended load
Screw underneath: NO BUCKLING

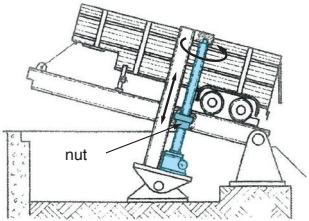


Screw uppermost

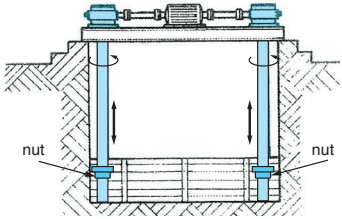


Can be used in any position

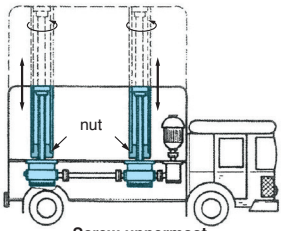
Screw is fixed, nut moves



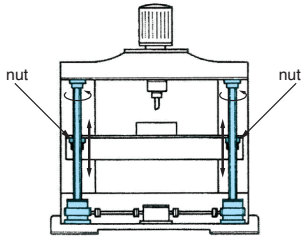
Screw uppermost



Screw uppermost



Screw uppermost



Screw suspended dowlwards :
NO BUCKLING