

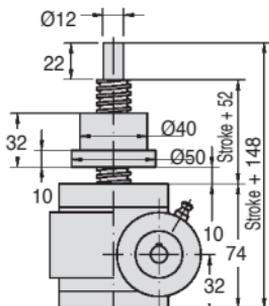
Screwjack with travelling nut



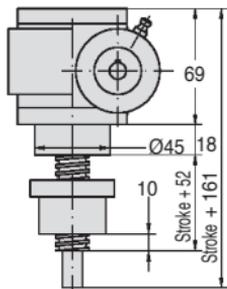
SVR5

Nominal force: 5,000N

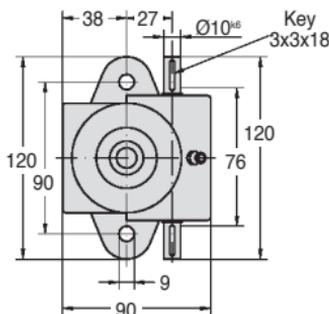
- **Basic stroke: 100mm**
- Material: Aluminium (body)
- Weight (without screw): 1.5kg
- Weight of screw: 0.2kg /100mm
- Lubrication: Grease (50g required)



SVR5-H



SVR5-B



Part number	Reduction ratio	Torque at nominal force (Nm)		rpm max.	Max. speed (m/min)	Max. power (kW)	
		Efficiency	Efficiency			at 20% DC	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

Screwjack with travelling nut



SVR20

Nominal load 20,000N

- **Standard stroke length: 100mm**

- **Material:**

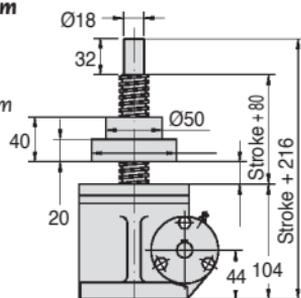
Body: Iron GGG50

- **Weight (without screw): 7.8 kg**

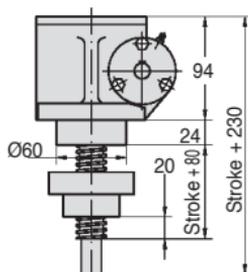
- **Weight of screw: 0.34 kg /100mm**

- **Lubrication: Grease**

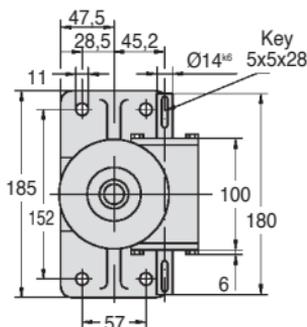
(150g required)



SVR20-H



SVR20-B



Part number	Reduction ratio	Torque at nominal force (Nm)		rpm max.	Max. speed (m/min)	Max. power (kW)	
		Efficiency	Efficiency			at 20% DC	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
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

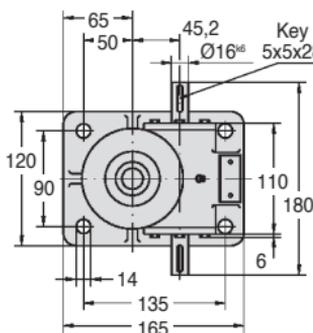
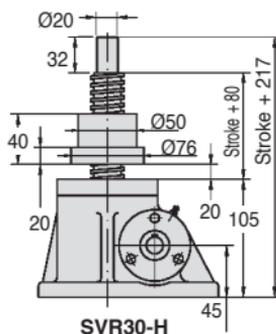
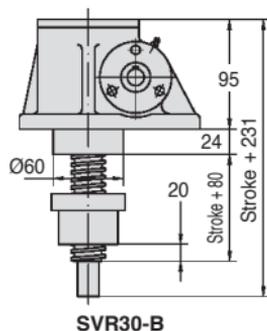


Screwjack with travelling nut

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		rpm max.	Max. speed (m/min)	Max. power (kW)	
		force (Nm)	Efficiency			at 20% DC	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



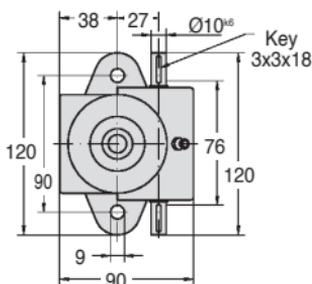
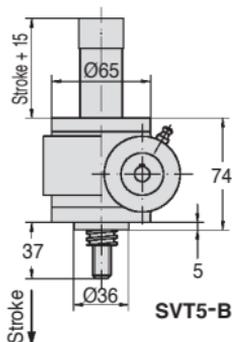
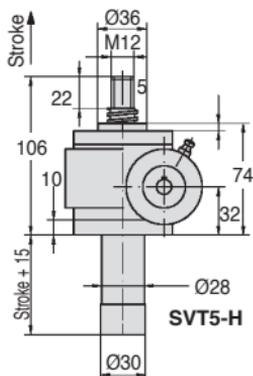
SVT5

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)**



Part number	Reduction ratio	Torque at nominal force		rpm max.	Max. speed (m/min)	Max. power (kW)	
		(Nm)	Efficiency			at 20% DC	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



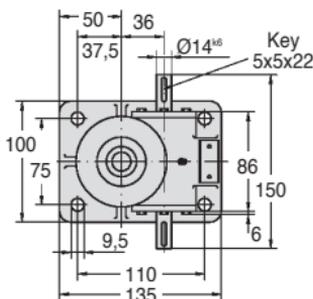
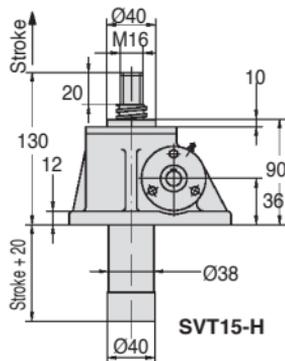
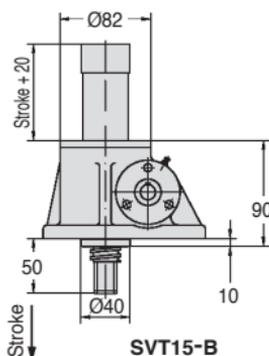
Nominal load 15,000N

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)



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



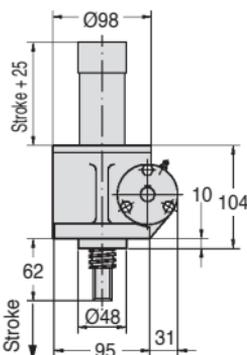
SVT20

Nominal load 20,000N

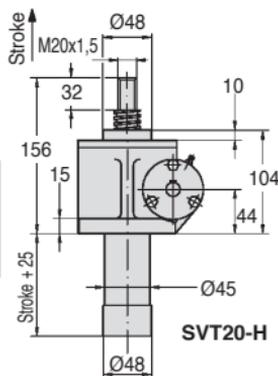
- **Standard stroke length: 100mm**
- **Material:**
 - Body: Iron GGG50
- **Weight (without screw): 7.8 kg**
- **Weight of screw: 0.34 kg /100mm**
- **Lubrication: Grease (150g required)**

Accessories

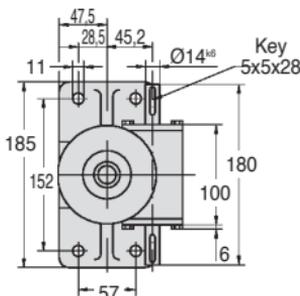
- Plate **SVT5-PLATEAU**
- Clevis **SVT5-CHAPE (tome 3 p.380)**
- Bracket **SVT5-SK (tome 3 p.380)**



SVT20-B



SVT20-H



Part number	Reduction ratio	Torque at nominal force (Nm)		rpm max.	Max. speed (m/min)	Max. power (kW)	
		Efficiency				at 20% DC	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



Screwjack with translating screw

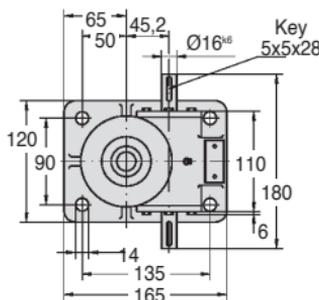
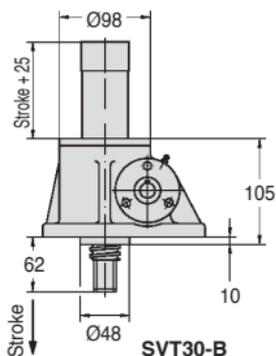
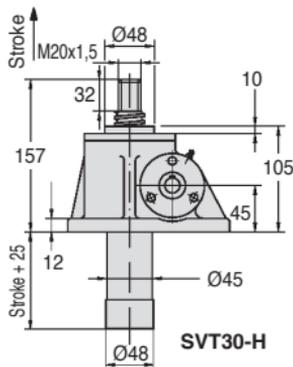
Nominal load 30,000N

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)



Part number	Reduction ratio	Torque at nominal force		rpm max.	Max. speed (m/min)	Max. power (kW)	
		force (Nm)	Efficiency			at 20% DC	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

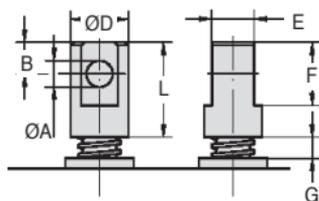
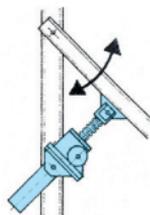
Dimensions in mm

Screwjack – pivot mounting

SVT_{CH}
SVT_{SK}

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

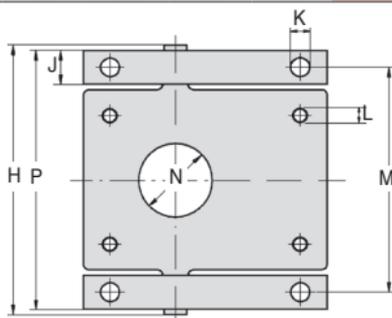
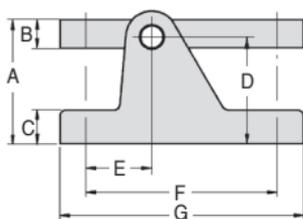
As the clevis has a special thread, it must be ordered at the same time as the screwjack. They cannot be supplied separately.

DISCOUNTS

Qty	1+	2+
Disc.	List	On request

Clevis

For		ØA	B	ØD	L	E	F	G	Price each
Part number	screwjack								
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

For		A	B	C	D	E	F	G
Part number	screwjack							
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°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.



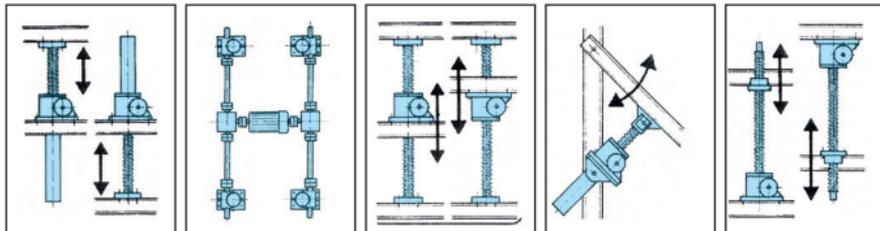
Screws are delivered unlubricated, they should be greased after installation.

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

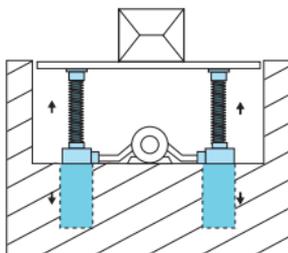
- Precise synchronisation of multiple jacks, even where jacks may have different loads.
- As they are irreversible, there is no possibility that gravity will cause the loads to descend.
- Synchronous drive by electric motor or manual handle.
- Accurate and measurable movements.
- Works in any orientation.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



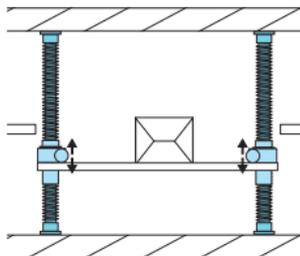
Screwjack

SVT

Screw moves, nut is fixed

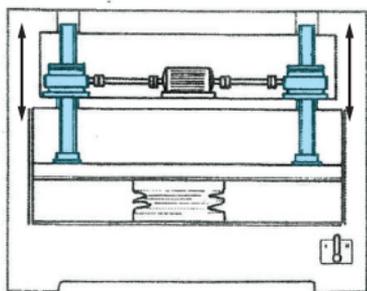


Screw uppermost

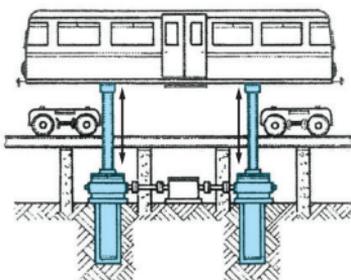


Box will travel full length of the thread

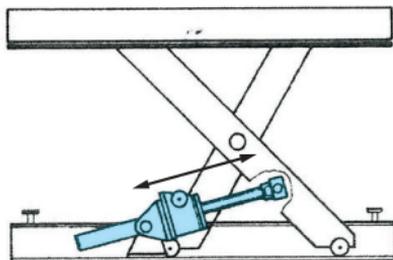
Without protective cover



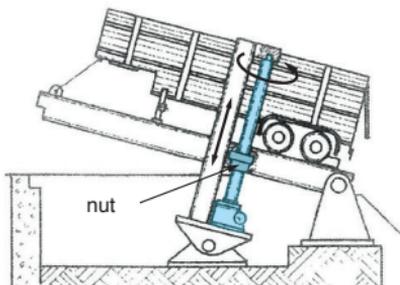
Suspended load
Screw underneath: NO BUCKLING



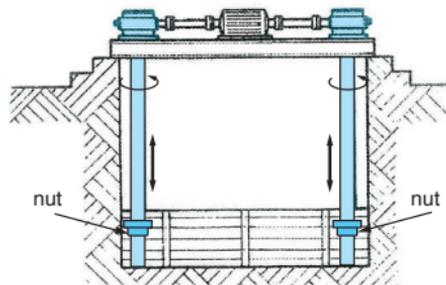
Screw uppermost



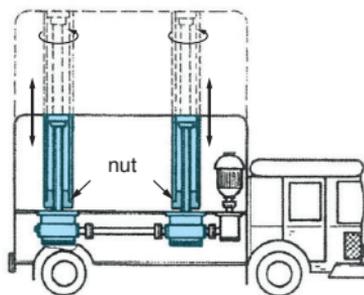
Can be used in any position



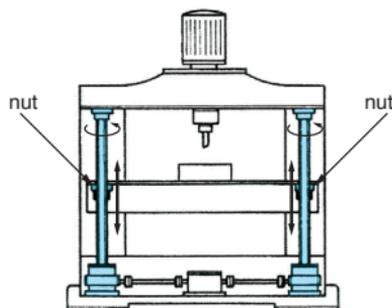
Screw uppermost



Screw uppermost



Screw uppermost



Screw suspended downwards :
NO BUCKLING