

# S-SERIES

## Translating Screw Jack 25kN

### Performance

Screw Jack Model <sup>4</sup>		S-025		
Capacity	kN	25		
Lead Screw <sup>1</sup>	Diameter (mm)	30		
	Lead (mm)	6	12	
Gear Ratios	Option 1	6:1		
	Option 2	24:1		
	Option 3	8:1 (AOR)		
4 x Turns of worm for travel of lead screw	Option 1	4mm	8mm	
	Option 2	1mm	2mm	
	Option 3	3mm	6mm	
Maximum Input Power (kW)	Option 1	1.5		
	Option 2	0.375		
	Option 3	1.5		
Start up torque at full load (Nm) <sup>2</sup>	Option 1	19	26	
	Option 2	8	11	
	Option 3	15	20	
Maximum Through Torque (Nm) <sup>7</sup>	Option 1	59.4		
	Option 2	26.1		
	Option 3	59.4		
Static Efficiency <sup>3</sup>	Option 1	0.209	0.314	
	Option 2	0.121	0.183	
	Option 3	0.194	0.293	
Dynamic Efficiency <sup>3</sup>	Option 1	50rpm	0.262	0.379
	Option 1	750rpm	0.299	0.434
	Option 1	1500rpm*	0.309	0.448
	Option 2	50rpm	0.164	0.238
	Option 2	750rpm	0.220	0.320
	Option 2	1500rpm*	0.239	0.347
	Option 3	50rpm	0.247	0.358
	Option 3	750rpm	0.288	0.418
	Option 3	1500rpm*	0.301	0.436
Maximum Input Speed (rpm)	-	3000		
Gear Case Material	-	SG Iron		
Weight (kg) – stroke = 150mm	ST025	13.8		
	SR025	15.0		
Weight (kg) – per extra 25mm	SR025	0.16		
	ST025	0.11		

### SMT0025 Closed Height

	Threaded End	Top Plate	Clevis End	Fork End	Rod End
Closed Height 'C'	157	157	182	207	204
Stroke (mm)	With Bellows Boots (B)				
0 - 300	157	157	182	207	204
301 - 600	171	171	196	221	218
601 - 1050	189	189	214	239	236
1051 - 1500	208	208	233	258	255
1501 - 1800	228	228	253	278	275

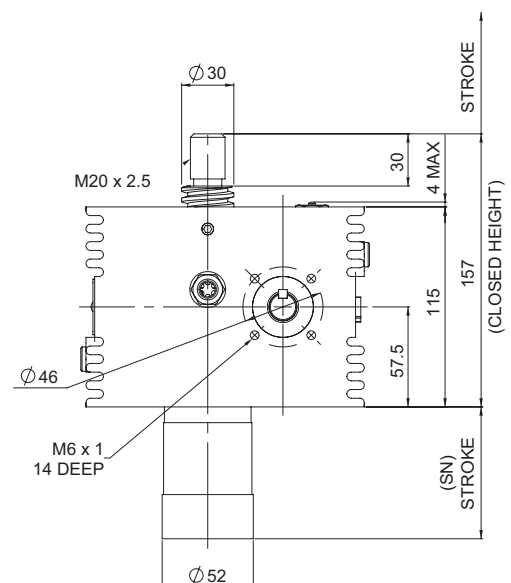
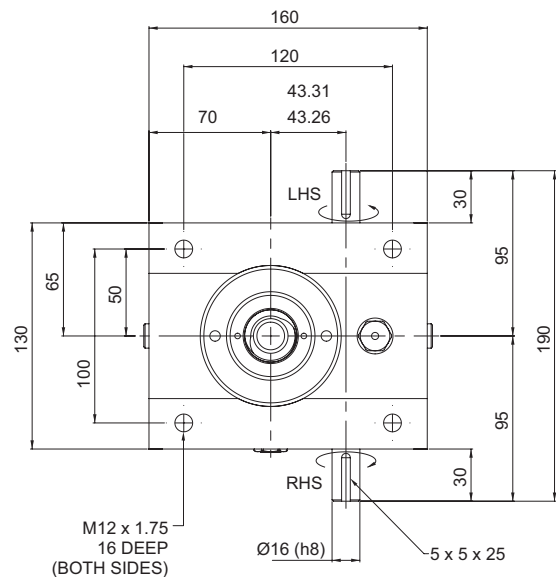
### SMT0025 Stop Nut



Stop nut provides a full power mechanical stop at the end of the lead screw. To be used as a safety feature in emergency conditions.

$$SN = \text{Stroke} + 21\text{mm}$$

### SMT0025-C00



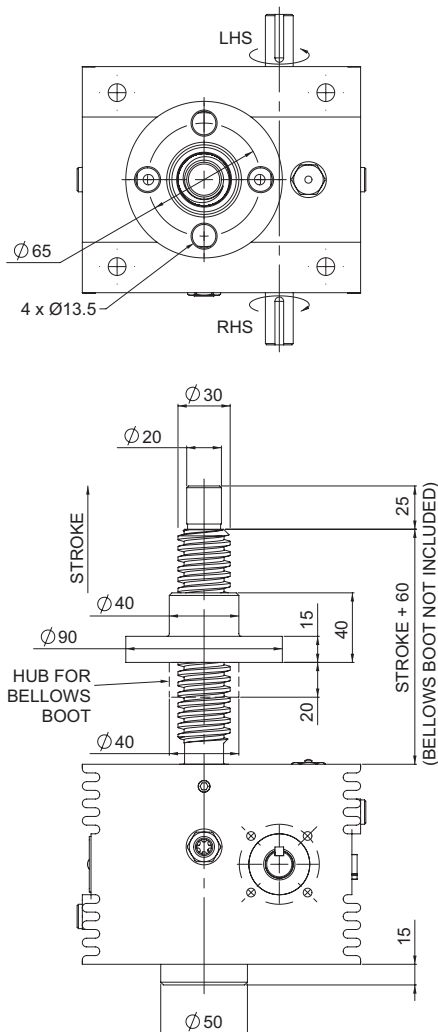
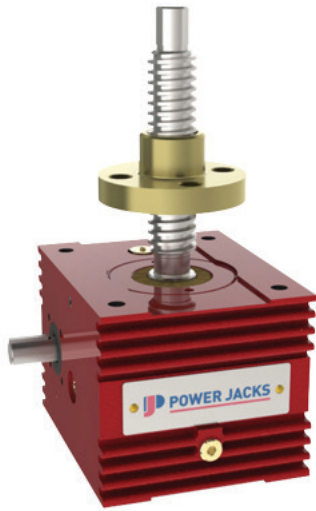
#### Note:

1. All dimension in millimetres unless otherwise stated.
2. Designs subject to change without notice.

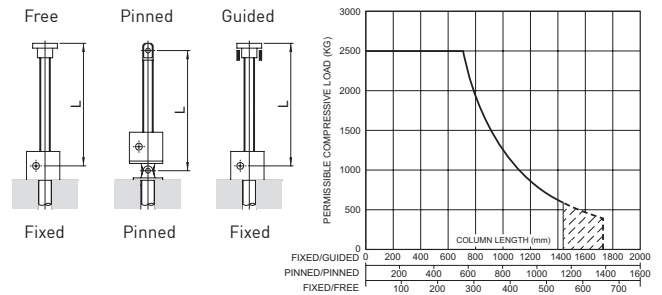
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Rotating Screw Jack 25kN

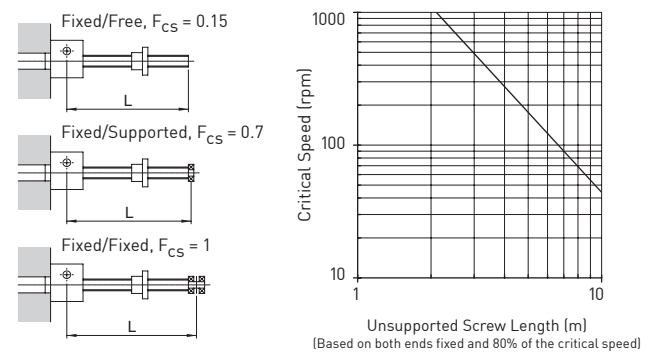
SMR0025-C00



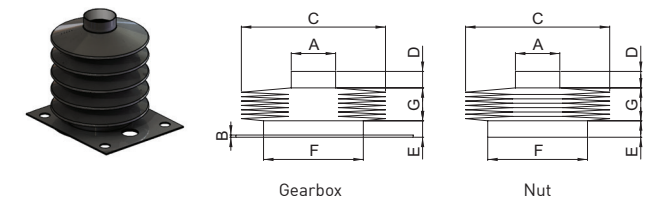
## Column Strength



## Critical Screw Speed



## Bellows Boot



	ØA	B	ØC	D	E	ØF
SMT0025	40	2	130	10	10	45
SMR0025	40	2	130	10	15	40

Stroke	1 - 300	301 - 600	601 - 1050	1051 - 1500	1501 - 1800
G	14	28	46	65	85*

\*control tapes fitted ØC=150

## Accessories & Options

