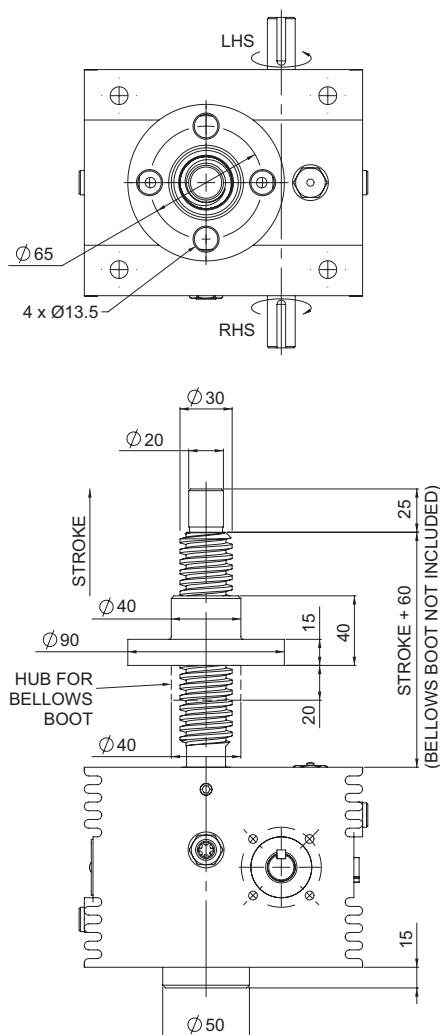


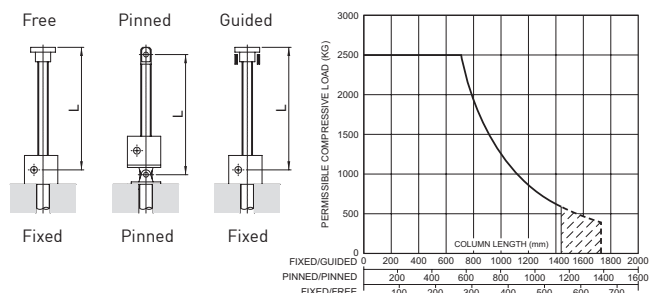
S-SERIES

Rotating Screw Jack 25kN

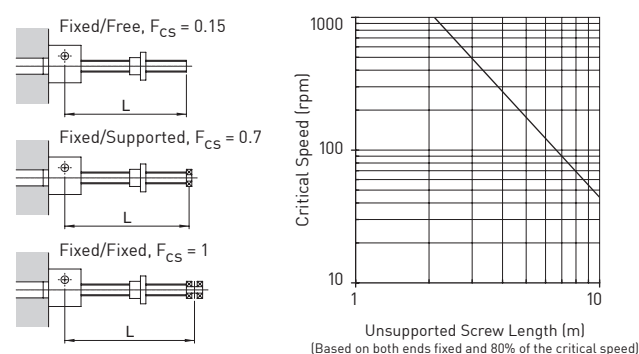
SMR0025-C00



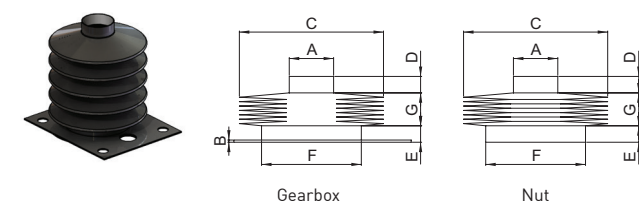
Column Strength



Critical Screw Speed



Bellows Boot

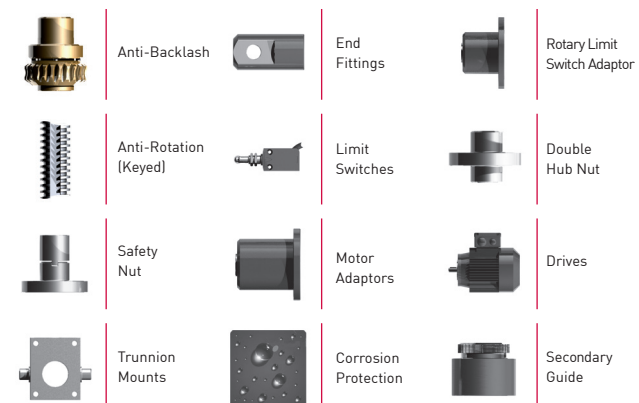


	ØA	B	ØC	D	E	ØF
SMT0025	40	2	130	10	10	45
SMR0025	40	2	130	10	15	40

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

*control tapes fitted ØC=150

Accessories & Options



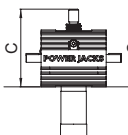
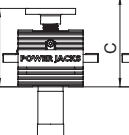
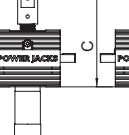
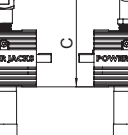
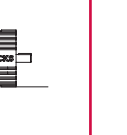
S-SERIES

Translating Screw Jack 50kN

Performance

Screw Jack Model ⁴	S-050		
Capacity	kN	50	
Lead Screw ¹	Diameter (mm)	40	
	Lead (mm)	9 18	
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	6mm 12mm	
	Option 2	1.5mm 3mm	
	Option 3	4.5mm 9mm	
Maximum Input Power (kW)	Option 1	3.0	
	Option 2	0.550	
	Option 3	3.0	
Start up torque at full load (Nm) ²	Option 1	54 73	
	Option 2	24 33	
	Option 3	44 59	
Maximum Through Torque (Nm) ⁷	Option 1	168.0	
	Option 2	76.5	
	Option 3	168.0	
Static Efficiency ³	Option 1	0.222 0.325	
	Option 2	0.125 0.184	
	Option 3	0.206 0.302	
Dynamic Efficiency ³	Option 1	50rpm	0.281 0.398
	Option 1	750rpm	0.324 0.460
	Option 1	1500rpm+	0.337 0.477
	Option 2	50rpm	0.171 0.242
	Option 2	750rpm	0.238 0.337
	Option 2	1500rpm+	0.263 0.372
	Option 3	50rpm	0.264 0.374
	Option 3	750rpm	0.312 0.442
	Option 3	1500rpm+	0.328 0.465
Maximum Input Speed (rpm)	-	3000	
Gear Case Material	-	SG Iron	
Weight (kg) – stroke = 150mm	ST050	25.5	
	SR050	27.9	
Weight (kg) – per extra 25mm	ST050	0.24	
	SR050	0.19	

SMT0050 Closed Height

	Threaded End	Top Plate	Clevis End	Fork End	Rod End
					
Closed Height 'C'	Threaded End	Top Plate	Clevis End	Fork End	Rod End
SMT0050	192	192	217	257	251
Stroke (mm)	With Bellow Boots (B)				
0 - 300	192	192	217	257	251
301 - 600	206	206	231	271	265
601 - 1050	224	224	249	289	283
1051 - 1500	244	244	269	309	303
1501 - 1800	258	258	283	323	317

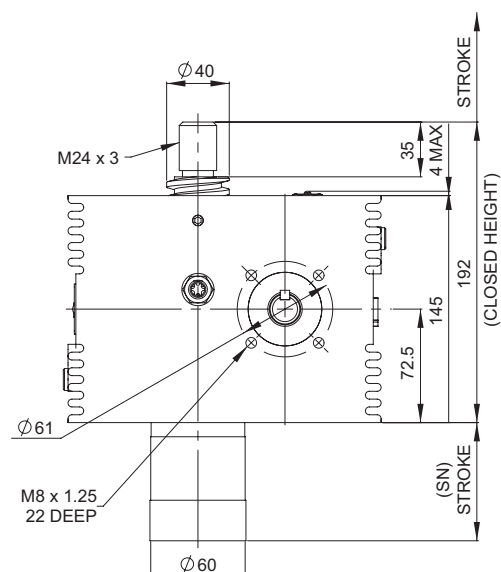
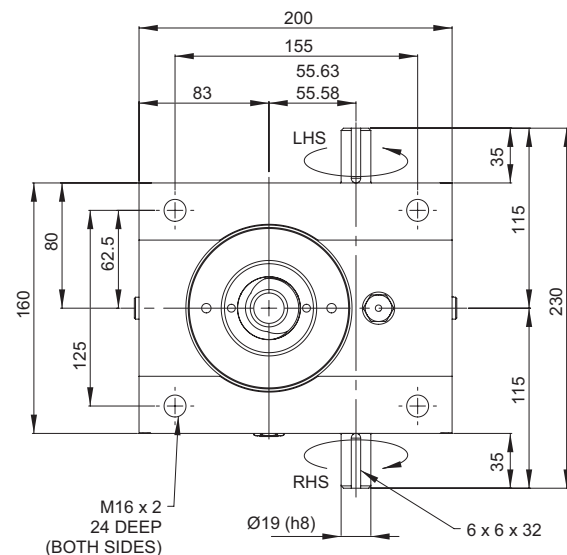
SMT0050 Stop Nut



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 = Stroke + 34mm

SMT0050-C00



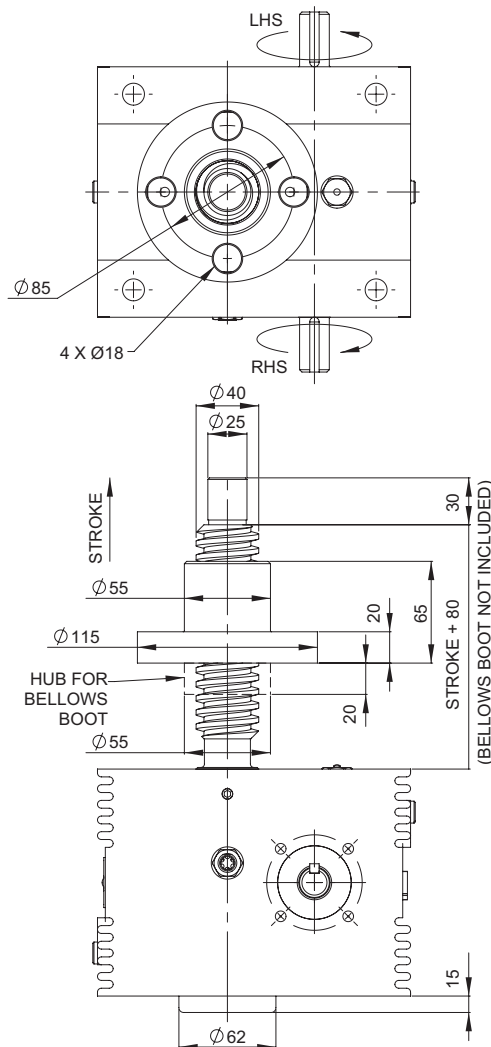
Note:

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

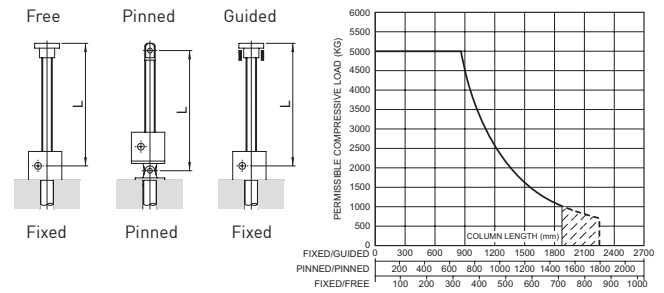
S-SERIES

Rotating Screw Jack 50kN

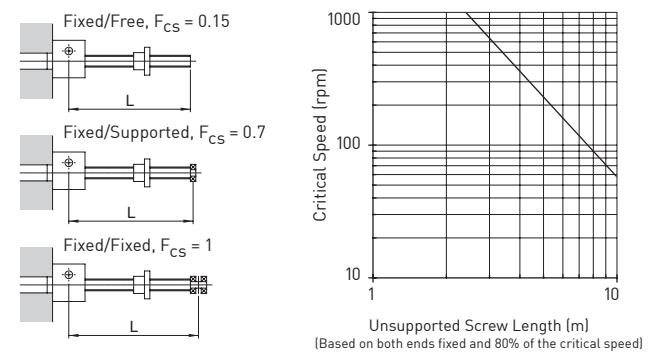
SMR0050-C00



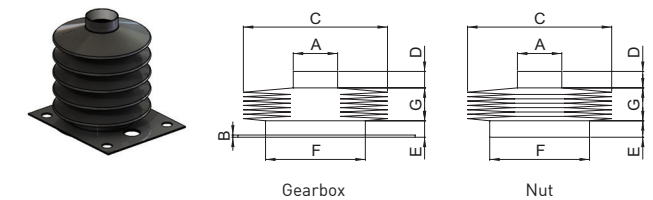
Column Strength



Critical Screw Speed



Bellows Boot

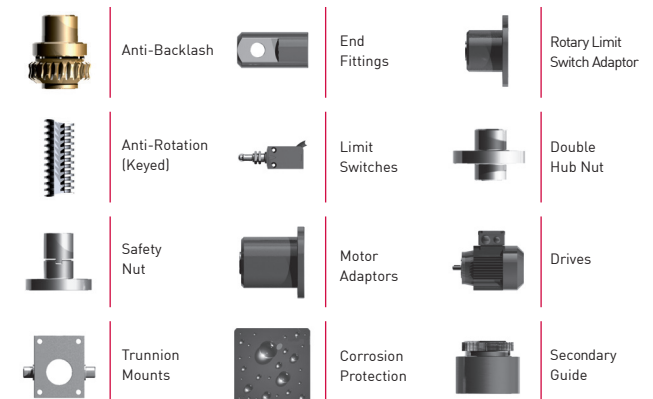


	ØA	B	ØC	D	E	ØF
SMT0050	50	2	140	10	10	50
SMR0050	55	2	140	10	15	50

Stroke	1 - 300	301 - 600	601 - 1050	1051 - 1500	1501 - 1800
G	14	28	46	66	80*

*control tapes fitted ØC=160

Accessories & Options



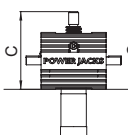
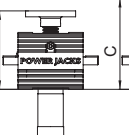
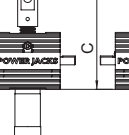
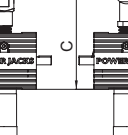
S-SERIES

Translating Screw Jack 100kN

Performance

Screw Jack Model ⁴	S-100			
Capacity	kN	100		
Lead Screw ¹	Diameter (mm)	55		
	Lead (mm)	12	24	
Gear Ratios	Option 1	8:1		
	Option 2	24:1		
	Option 3	6:1 (AOR)		
4 x Turns of worm for travel of lead screw	Option 1	6mm	12mm	
	Option 2	2mm	4mm	
	Option 3	8mm	16mm	
Maximum Input Power (kW)	Option 1	3.75		
	Option 2	1.125		
	Option 3	3.75		
Start up torque at full load (Nm) ²	Option 1	111	151	
	Option 2	57	77	
	Option 3	140	190	
Maximum Through Torque (Nm) ⁷	Option 1	347.7		
	Option 2	181.5		
	Option 3	347.7		
Static Efficiency ³	Option 1	0.214	0.317	
	Option 2	0.140	0.207	
	Option 3	0.227	0.336	
Dynamic Efficiency ³	Option 1	50rpm	0.272	0.389
	Option 1	750rpm	0.315	0.450
	Option 1	1500rpm+	0.328	0.468
	Option 2	50rpm	0.188	0.269
	Option 2	750rpm	0.252	0.359
	Option 2	1500rpm+	0.274	0.391
	Option 3	50rpm	0.285	0.407
	Option 3	750rpm	0.324	0.462
	Option 3	1500rpm+	0.336	0.479
Maximum Input Speed (rpm)	-	3000		
Gear Case Material	-	SG Iron		
Weight (kg) – stroke = 150mm	ST100	47.7		
	SR100	53.9		
Weight (kg) – per extra 25mm	ST100	0.47		
	SR100	0.36		

SMT0100 Closed Height

	Threaded End	Top Plate	Clevis End	Fork End	Rod End
					
Closed Height 'C'	Threaded End	Top Plate	Clevis End	Fork End	Rod End
ST100	224	224	269	328	309
Stroke (mm)	With Bellow Boots [B]				
0 - 300	224	224	269	328	309
301 - 600	238	238	283	342	323
601 - 1050	256	256	301	360	341
1051 - 1500	275	275	320	379	360
1501 - 1800	295	295	340	399	380

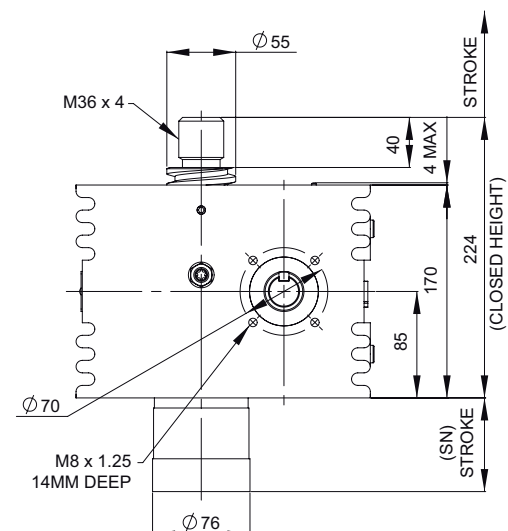
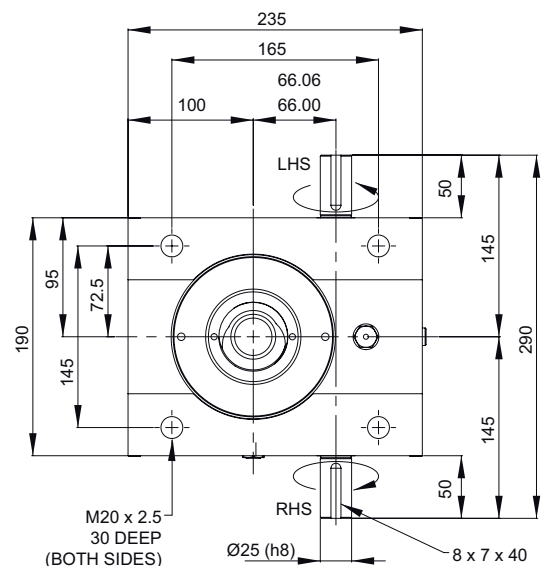
SMT0100 Stop Nut



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 = Stroke + 37mm

SMT0100-C00



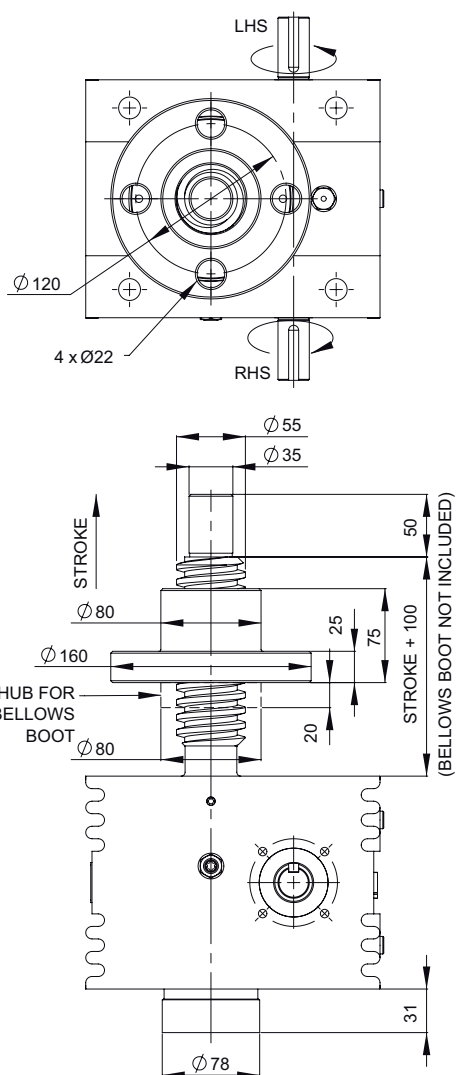
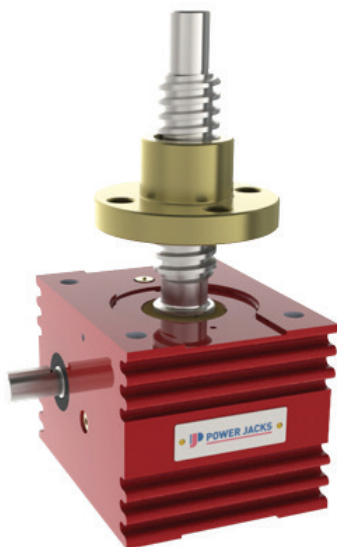
Note:

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

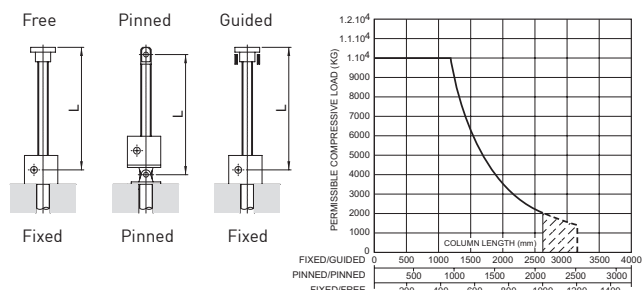
S-SERIES

Rotating Screw Jack 100kN

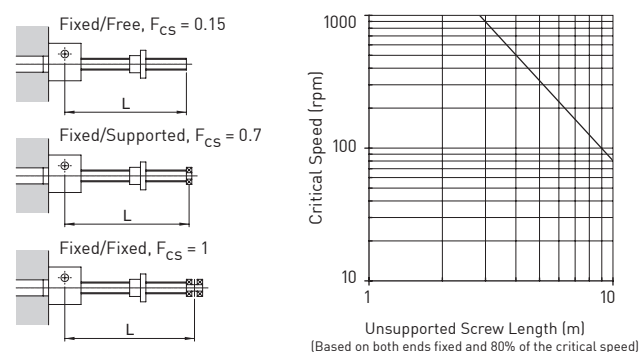
SMR0100-C00



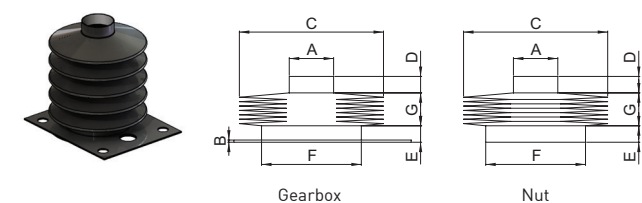
Column Strength



Critical Screw Speed



Bellows Boot

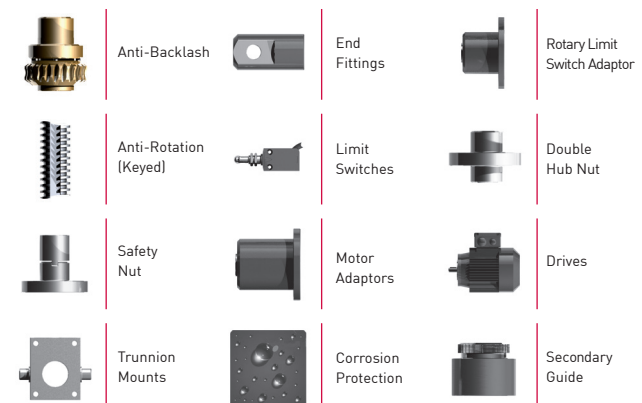


	ØA	B	ØC	D	E	ØF
SMT0100	65	3	150	10	10	70
SMR0100	80	3	150	10	15	70

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

*control tapes fitted ØC=170

Accessories & Options



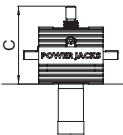
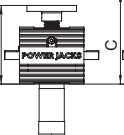
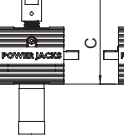
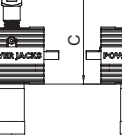
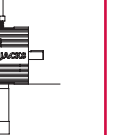
S-SERIES

Translating Screw Jack 200kN

Performance

Screw Jack Model ⁴		S-200	
Capacity	kN	200	
Lead Screw ¹	Diameter (mm)	65	
	Lead (mm)	12	24
Gear Ratios	Option 1	8:1	
	Option 2	24:1	
	Option 3	6:1 (AOR)	
4 x Turns of worm for travel of lead screw	Option 1	6mm	12mm
	Option 2	2mm	4mm
	Option 3	8mm	16mm
Maximum Input Power (kW)	Option 1	3.75	
	Option 2	1.125	
	Option 3	3.75	
Start up torque at full load (Nm) ²	Option 1	252	330
	Option 2	129	168
	Option 3	317	416
Maximum Through Torque (Nm) ⁷	Option 1	525	
	Option 2	275	
	Option 3	525	
Static Efficiency ³	Option 1	0.190	0.290
	Option 2	0.214	0.189
	Option 3	0.201	0.307
Dynamic Efficiency ³	Option 1 50rpm	0.243	0.358
	Option 1 750rpm	0.282	0.415
	Option 1 1500rpm*	0.293	0.431
	Option 2 50rpm	0.168	0.248
	Option 2 750rpm	0.225	0.331
	Option 2 1500rpm*	0.245	0.361
	Option 3 50rpm	0.255	0.375
	Option 3 750rpm	0.289	0.426
	Option 3 1500rpm*	0.300	0.442
Maximum Input Speed (rpm)	-	3000	
Gear Case Material	-	SG Iron	
Weight (kg) – stroke = 150mm	ST025	67.8	
	SR025	76.9	
Weight (kg) – per extra 25mm	ST025	0.72	
	ST025	0.53	

SMT0200 Closed Height

	Threaded End	Top Plate	Clevis End	Fork End	Rod End
					
Closed Height 'C'	Threaded End	Top Plate	Clevis End	Fork End	Rod End
SMT0200	265	265	310	402	370
Stroke (mm)	With Bellow Boots (B)				
0 - 300	265	265	310	402	370
301 - 600	279	279	324	416	384
601 - 1050	297	297	342	434	402
1051 - 1500	317	317	362	454	422
1501 - 1800	331	331	376	468	436

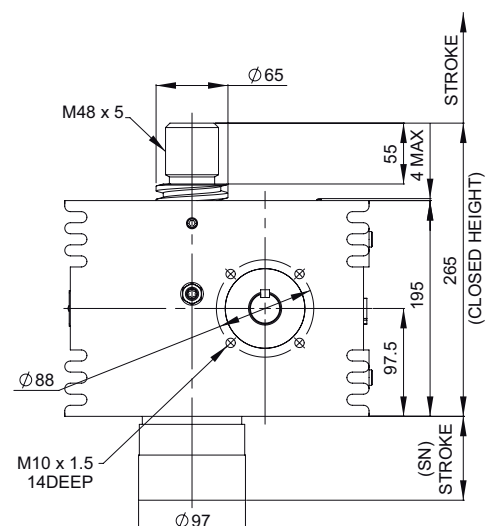
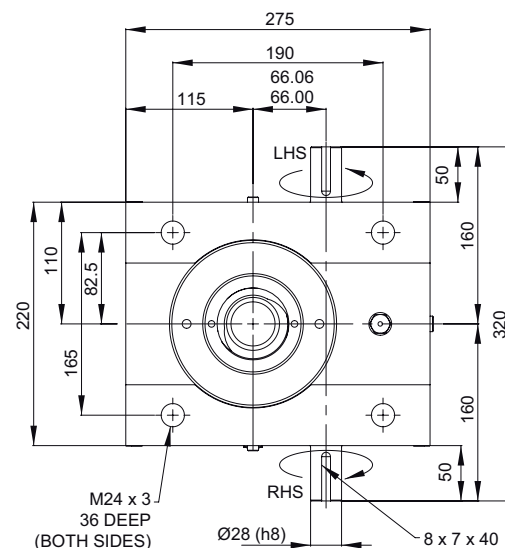
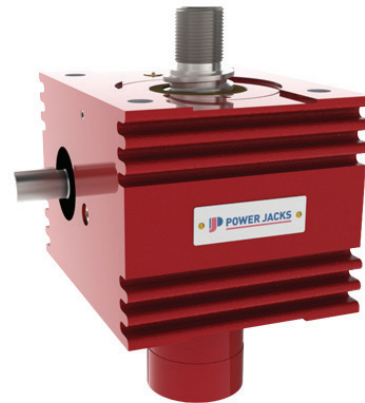
SMT0200 Stop Nut



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 = Stroke + 37mm

SMT0200-C00



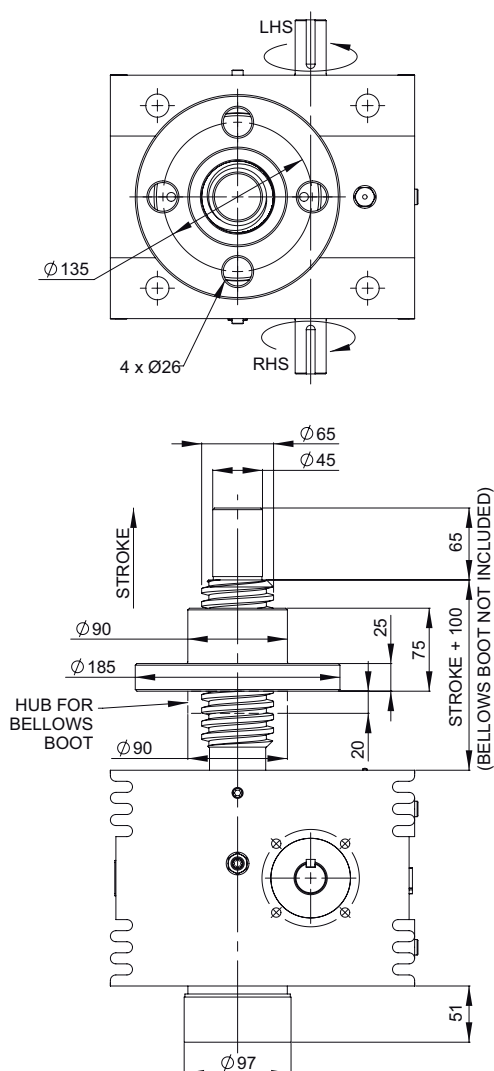
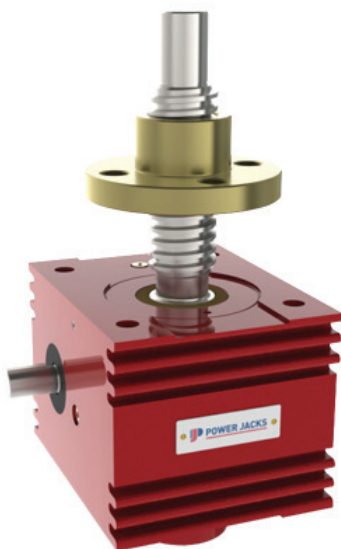
Note:

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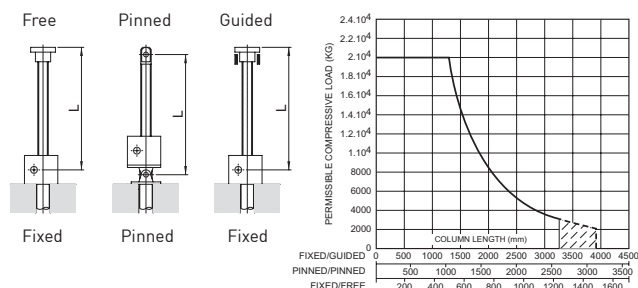
S-SERIES

Rotating Screw Jack 200kN

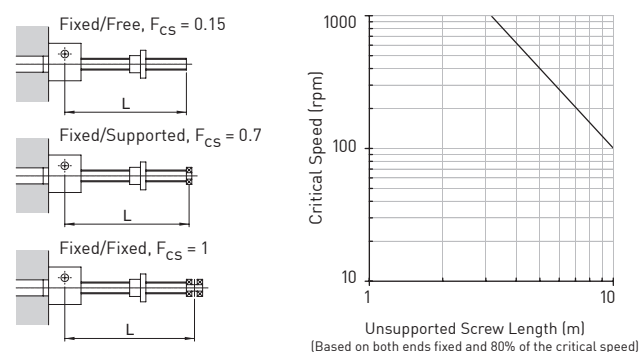
SMR0200-C00



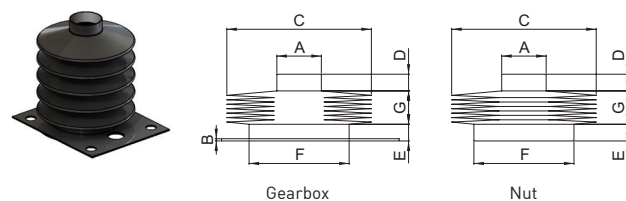
Column Strength



Critical Screw Speed



Bellows Boot



	ØA	B	ØC	D	E	ØF
SMT0200	75	3	170	15	10	80
SMR0200	90	3	170	15	15	80

Stroke	1 - 300	301 - 600	601 - 1050	1051 - 1500	1501 - 1800
G	14	28	46	66	80*

*control tapes fitted ØC=190

Accessories & Options

