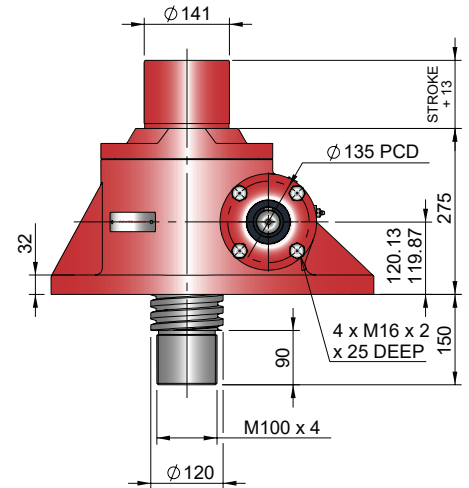
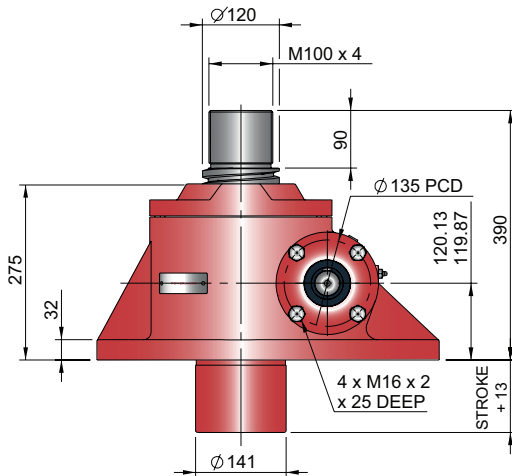
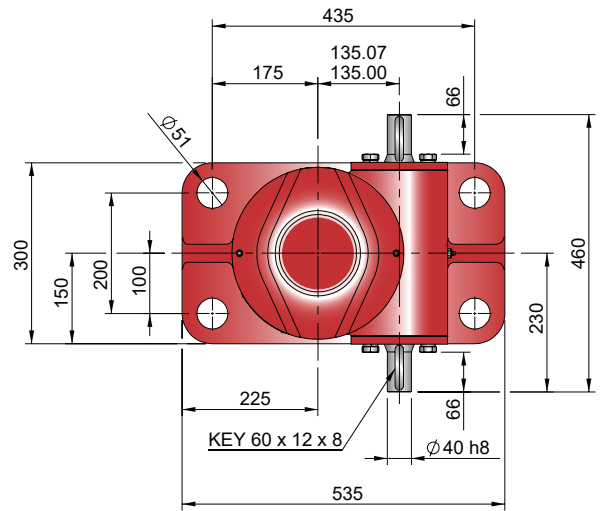
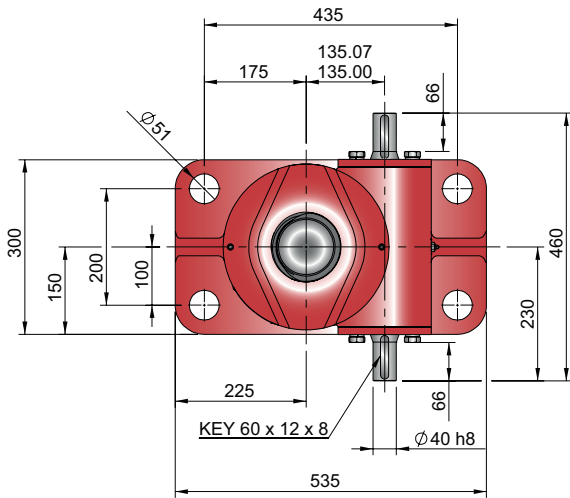


Upright EMT0500-U00

Inverted EMT0500-I00



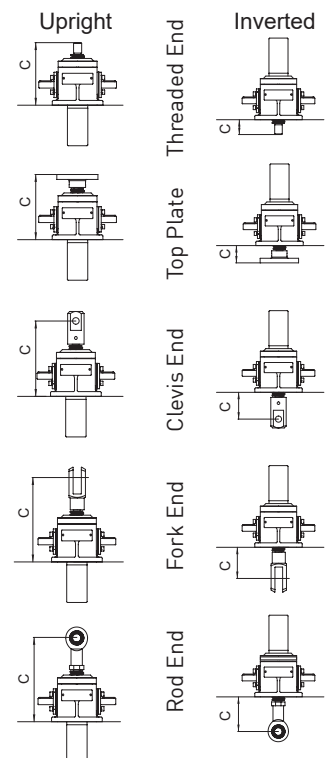
Performance

Closed Height

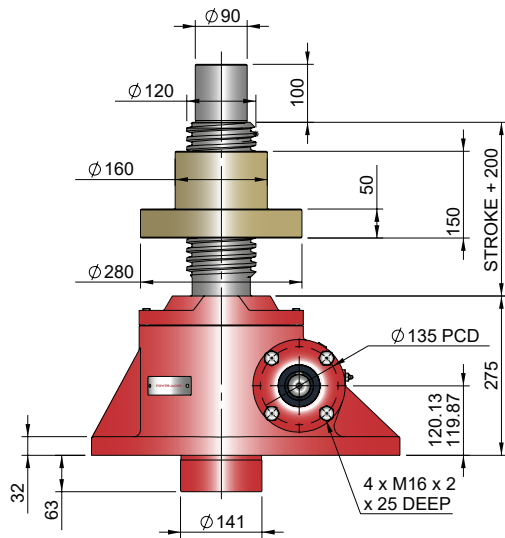
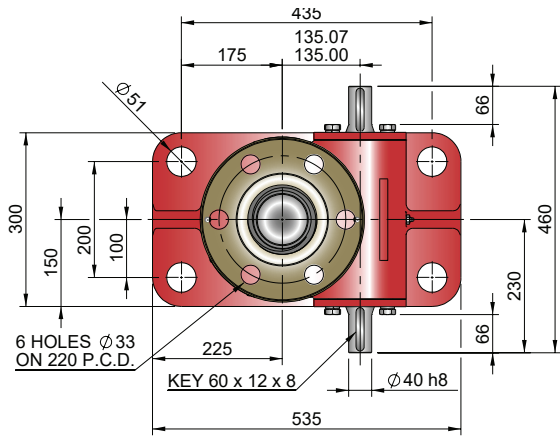
Model		EMT0500 EMR0500	
Capacity	kN	500	
Lifting Screw	Diameter (mm)	120	
	Lead	Option	1 2
	mm	16	32
Gear Ratio Option 1	Gear Ratio	10 2/3:1	
	Static Efficiency	0.132	0.215
	Dynamic Efficiency	0.181	0.284
Gear Ratio Option 2	Gear Ratio	32:1	
	Static Efficiency	0.079	0.129
	Dynamic Efficiency	0.120	0.188
Max. Input power (kW)	Gear Ratio Option 1	11.25	
	Gear Ratio Option 2	4.5	
Start up torque at full load (Nm)	Gear Ratio Option 1	904	1113
	Gear Ratio Option 2	504	618

Model		EMT0500 EMR0500	
Capacity	kN	500	
Lifting Screw (mm)		16	32
Turn of worm for travel of lifting screw	Gear Ratio 1	1 Turn	1.5mm 3mm
	Gear Ratio 2	4 Turn	2mm 4mm
Maximum Through Torque (Nm)		2712	
Lifting Screw Restraining Torque (Nm)		5645	6975
Worm Shaft Maximum Radial Load (N)		2190	
Maximum Input Speed (rpm)		1800	
Gear Case Material		Steel	
Weight (kg) - stroke = 150mm	EMT	183.7	
	EMR	224	
Weight (kg) - per extra 25mm stroke	EMT	2.48	
	EMR	1.94	

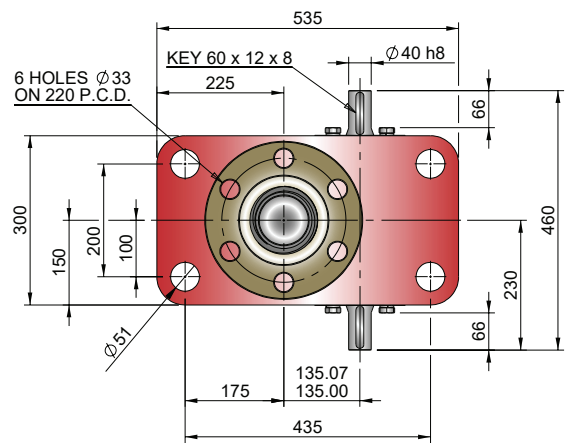
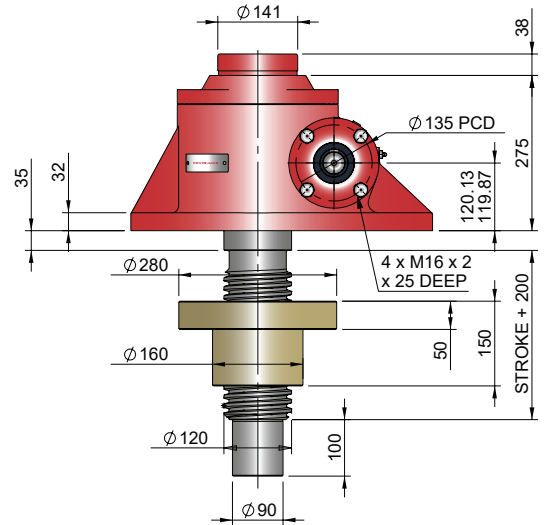
Note: All dimension in millimetres unless otherwise stated.
Designs subject to change without notice



Upright EMR0500-U00



Inverted EMR0500-I00

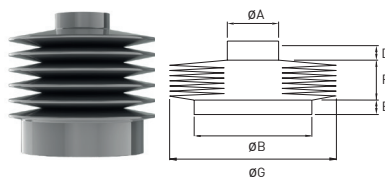


Closed Height & Bellows Boots

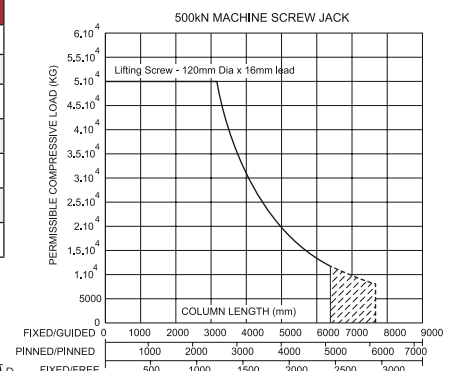
Closed Height "C"	Threaded End		Top Plate		Clevis End		Fork End		Rod End	
	Upright	Inverted	Upright	Inverted	Upright	Inverted	Upright	Inverted	Upright	Inverted
EMT0500	390	150	390	150	440	200	on request		on request	
Stroke (mm)	EMT0500 with Bellows Boots									
1-300	390	175	390	175	440	225	-	-	-	-
301-600	415	200	415	200	465	250	-	-	-	-
601-1050	440	225	440	225	490	275	-	-	-	-
1051-1500	465	250	465	250	515	300	-	-	-	-

Model	A	B	D	E	G
EMT0500	150	285	20	45	210

Stroke	1-300	301-600	601-1050	1051-1500
EMT0500	20	30	50	70



Column Strength



Note:

- 1 Inverted Screw Jacks - Bellows Boot Closed Height assumes screw jack mounted on a structure with thickness = 15mm
- 2 Inverted Screw Jacks - Recommended bellows boot mounting plate $\varnothing B \times [E + 5mm]$ thick.
- 3 Inverted Screw Jacks - Screw Jack mounting plate & bellows boot mounting plate are customers own supply
- 4 † Control tapes fitted (increase outer diameter by 20mm approximately).
- 5 For horizontal installations with than 450 mm of stroke, internal boot guides are recommended.
- 6 Customers with threaded end screw jacks must provide a fixing for the unattached bellows boot collar.
- 7 Bellows boots for Rotating Screw Jacks, other sizes, stroke and materials please consult Power Jacks.

