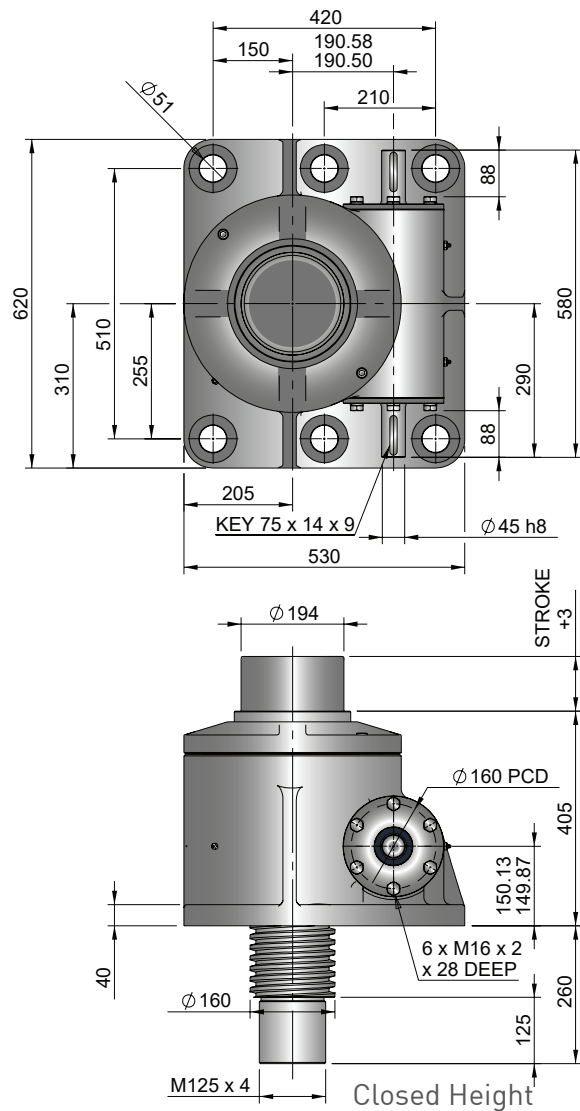
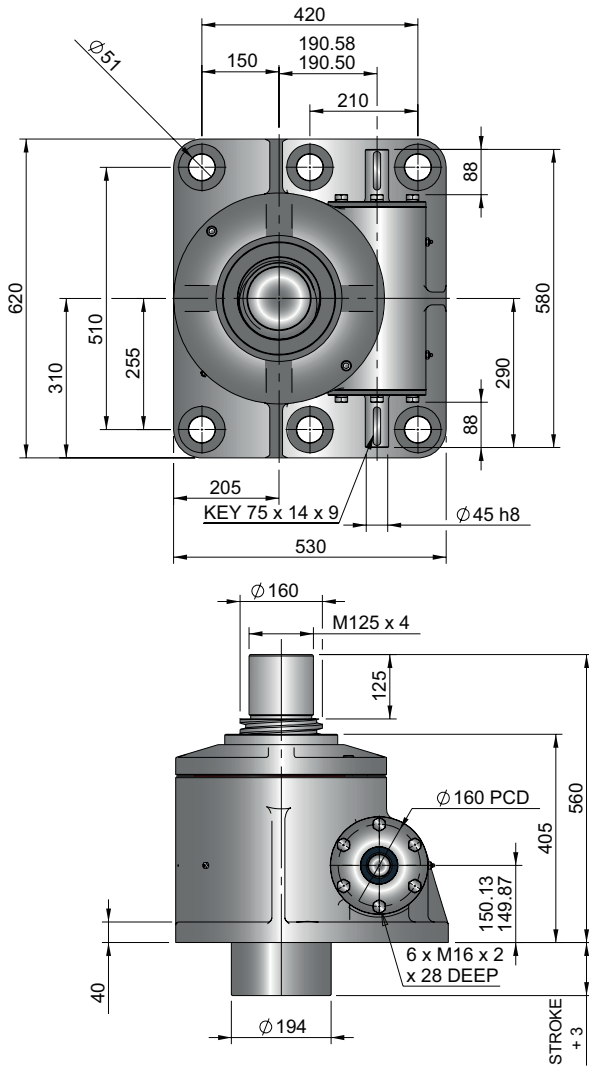


Upright EMT1000-V00

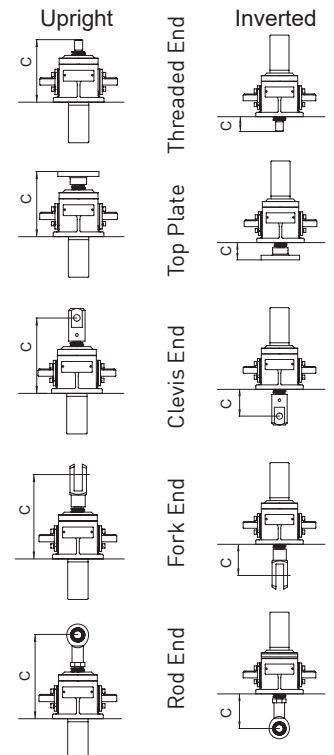
Inverted EMT1000-J00



Performance

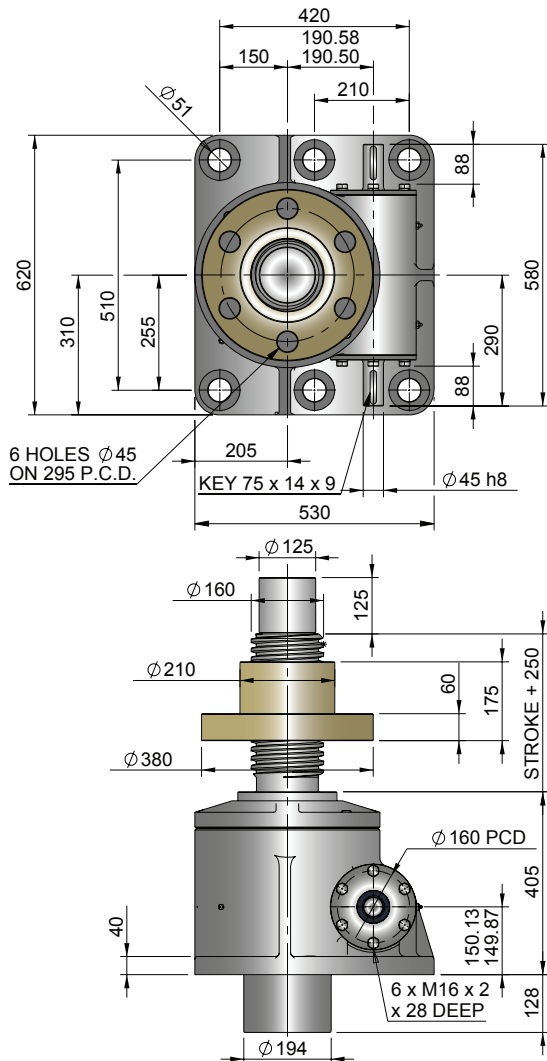
Model			EMT1000 EMR1000
Capacity (kN)			1000
Sustaining Capacity (kN)	Standard 316 Lifting Screw	Tension	666
		Compression	1000
Duplex Lifting Screw			1000
Operating Capacity (kN)	Standard 316 Worm Shaft		333
	Duplex or Plated Worm Shaft with 316 Screw	Tension	666
		Compression	1000
Duplex or Plated Worm Shaft with Duplex Screw			1000
Lifting Screw	Diameter (mm)		160
	Lead	Option	1
		mm	20
Gear Ratio Option 1	Gear Ratio		12:1
	Screw Jack Static Efficiency		0.131
	Screw Jack Dynamic Efficiency		0.178
Gear Ratio Option 2	Gear Ratio		36:1
	Screw Jack Static Efficiency		0.079
	Screw Jack Dynamic Efficiency		0.123

Model			EMT1000 EMR1000	
Capacity	kN		1000	
Lifting Screw Lead (mm)			20	
Turn of worm for travel of lifting screw	Gear Ratio 1	1 Turn	1.67mm	
	Gear Ratio 2	4 Turn	6.67mm	
Maximum Through Torque (Nm)			6075	
Lifting Screw Restraining Torque (Nm)			14890	
Worm Shaft Maximum Radial Load (N)			2220	
Maximum Input Speed (rpm)			1800	
Gear Case Material			Stainless Steel	
Weight (kg) - stroke = 150mm			EMT	459.1
			EMR	560.4
Weight (kg) - per extra 25mm stroke			EMT	4.11
			EMR	3.38

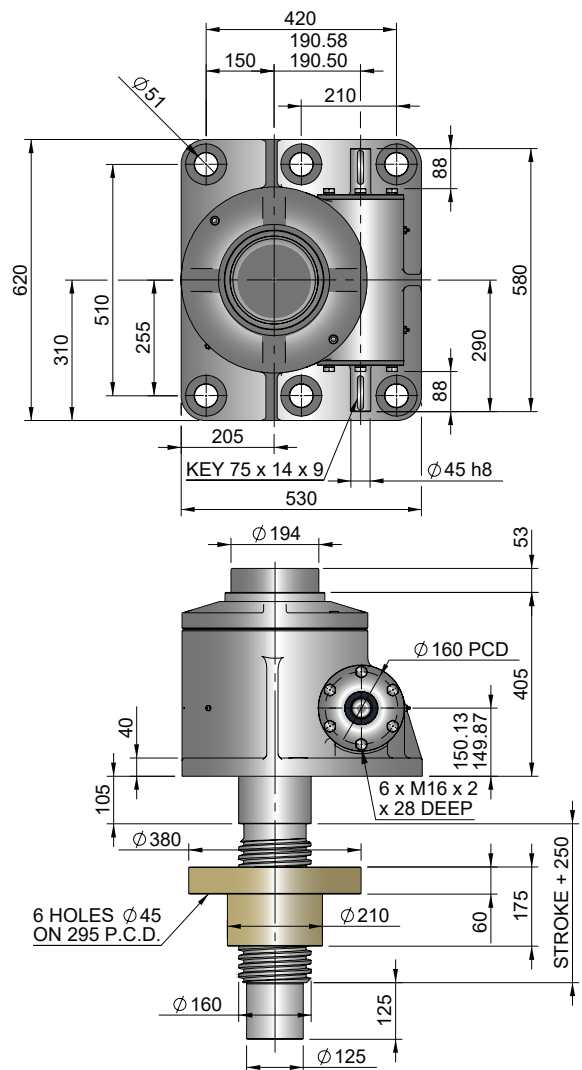


Note: All dimension in millimetres unless otherwise stated.  
Designs subject to change without notice

## Upright EMR1000-V00



## Inverted EMR1000-J00



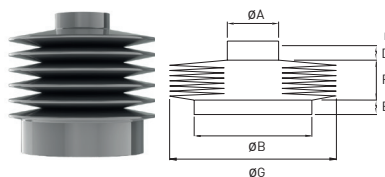
## Closed Height & Bellows Boots

## Column Strength

Closed Height "C"	Threaded End		Top Plate		Clevis End		Fork End		Rod End	
	Upright	Inverted	Upright	Inverted	Upright	Inverted	Upright	Inverted	Upright	Inverted
EMT1000	560	260	560	260	625	325	on request		on request	
Stroke (mm)	EMT1000 with Bellows Boots									
1-300	560	260	560	260	625	325	-	-	-	-
301-600	560	260	560	260	625	325	-	-	-	-
601-1050	585	285	585	285	650	350	-	-	-	-
1051-1500	610	310	610	310	675	375	-	-	-	-

Model	A	B	D	E	G
EMT1000	200	220	20	20	244

Stroke	1-300	301-600	601-1050	1051-1500
EMT1000	20	30	50	70



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  $\phi B \times [E + 5mm]$  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.

