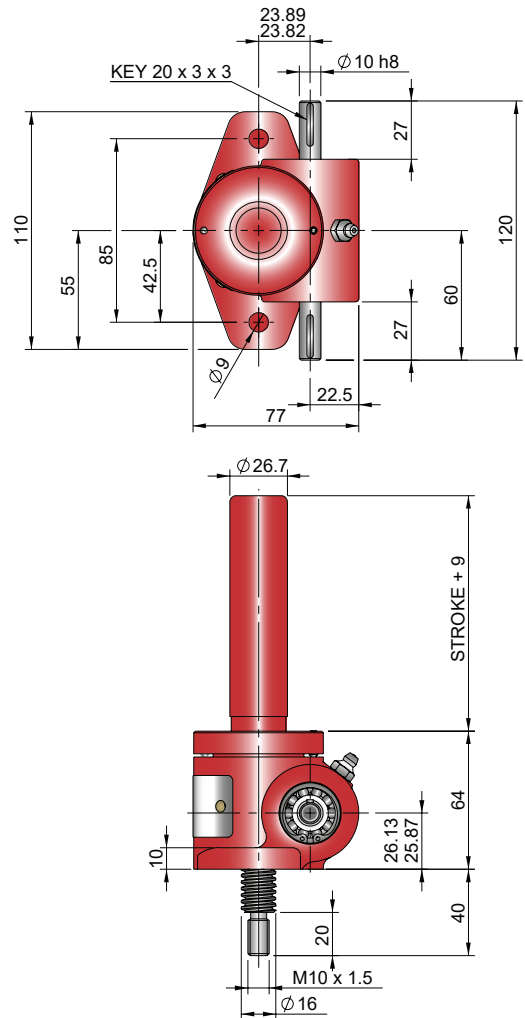
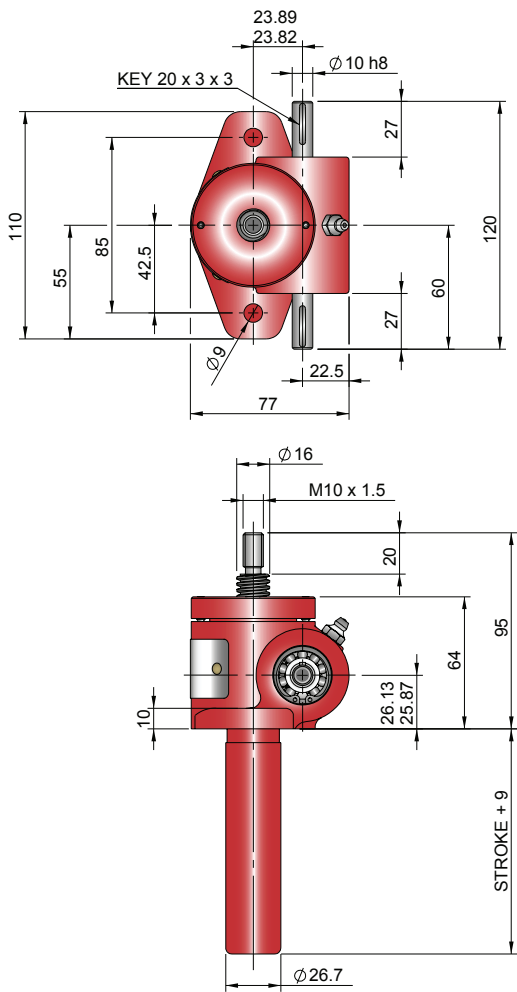


Upright EMT0005-U00

Inverted EMT0005-I00



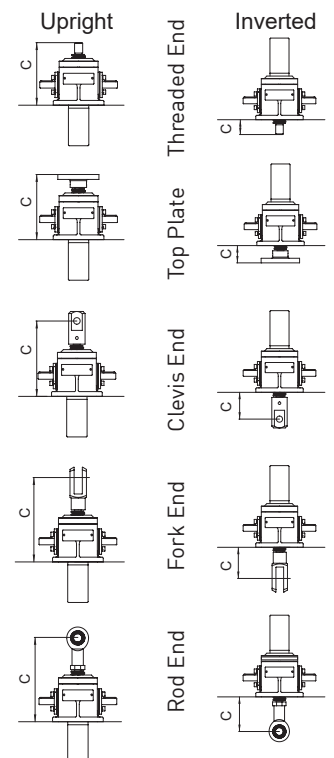
Performance

Closed Height

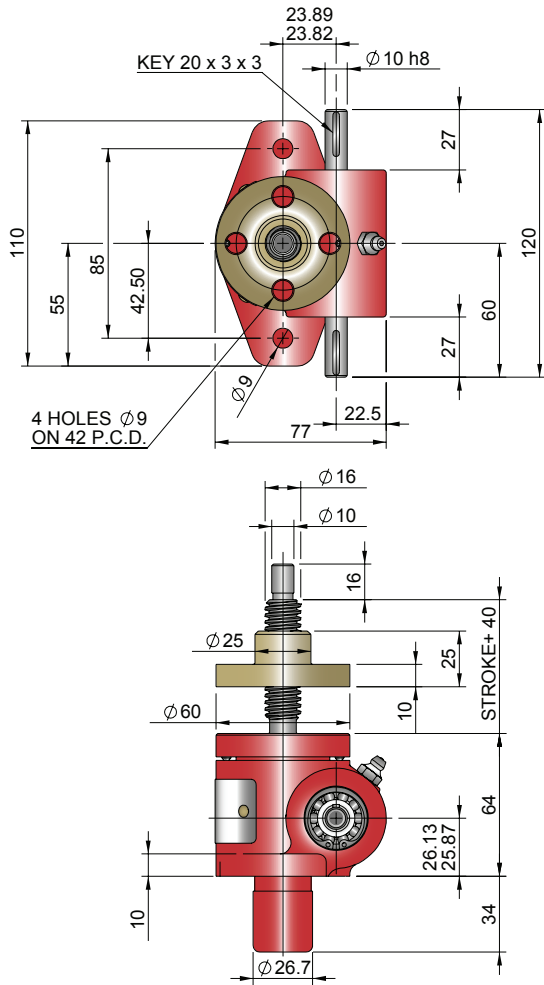
| Model | | EMT0005 EMR0005 | |
|-----------------------------------|---------------------|--------------------|----------|
| Capacity | kN | 5 | |
| Lifting Screw | Diameter (mm) | 16 | |
| | Lead | Option 1 | Option 2 |
| | mm | 3 | 6 |
| Gear Ratio Option 1 | Gear Ratio | 5:1 | |
| | Static Efficiency | 0.189 | 0.291 |
| | Dynamic Efficiency | 0.252 | 0.370 |
| Gear Ratio Option 2 | Gear Ratio | 20:1 | |
| | Static Efficiency | 0.107 | 0.165 |
| | Dynamic Efficiency | 0.160 | 0.235 |
| Max. Input power (kW) | Gear Ratio Option 1 | 0.25 | |
| | Gear Ratio Option 2 | 0.12 | |
| Start up torque at full load (Nm) | Gear Ratio Option 1 | 2.5 | 3.3 |
| | Gear Ratio Option 2 | 1.1 | 1.4 |

| Model | | EMT0005 EMR0005 | |
|--|--------------|--------------------|-------------|
| Capacity | kN | 5 | |
| Lifting Screw Lead (mm) | | 3 | 6 |
| Turn of worm for travel of lifting screw | Gear Ratio 1 | 1 Turn | 0.6mm 1.2mm |
| | Gear Ratio 2 | 4 Turn | 0.6mm 1.2mm |
| Maximum Through Torque (Nm) | | 7.5 | |
| Lifting Screw Restraining Torque (Nm) | | 8 | 11 |
| Worm Shaft Maximum Radial Load (N) | | 180 | |
| Maximum Input Speed (rpm) | | 1800 | |
| Gear Case Material | | Aluminium | |
| Weight (kg) - stroke = 150mm | EMT | 1.3 | |
| | EMR | 1.36 | |
| Weight (kg) - per extra 25mm stroke | EMT | 0.08 | |
| | EMR | 0.03 | |

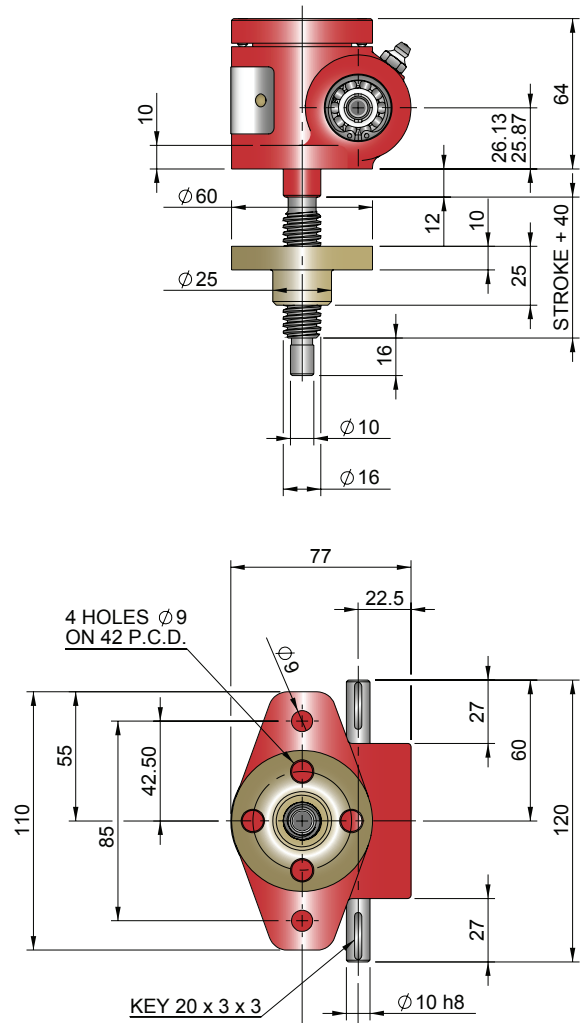
Note: All dimension in millimetres unless otherwise stated.
Designs subject to change without notice



Upright EMR0005-U00



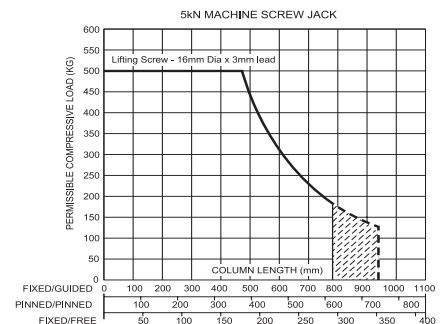
Inverted EMR0005-I00



Closed Height & Bellows Boots

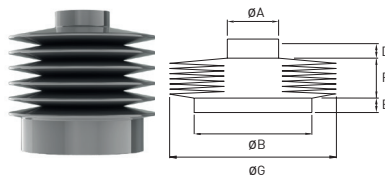
| Closed Height "C" | Threaded End | | Top Plate | | Clevis End | | Fork End | | Rod End | |
|-------------------|----------------------------|----------|-----------|----------|------------|----------|----------|----------|---------|----------|
| | Upright | Inverted | Upright | Inverted | Upright | Inverted | Upright | Inverted | Upright | Inverted |
| EMT0005 | 95 | 40 | 95 | 40 | 115 | 60 | 114 | 59 | 117 | 62 |
| Stroke (mm) | EMT0005 with Bellows Boots | | | | | | | | | |
| 1-150 | 95 | 70 | 95 | 70 | 115 | 90 | 114 | 89 | 132 | 107 |
| 151-300 | 120 | 90 | 120 | 90 | 140 | 110 | 139 | 109 | 157 | 127 |
| 301-600 | 120 | 90 | 120 | 90 | 140 | 110 | 139 | 109 | 157 | 127 |

Column Strength



| Model | A | B | D | E | G |
|---------|----|----|----|----|-----|
| EMT0005 | 25 | 60 | 13 | 13 | 100 |

| Stroke | 1-150 | 151-300 | 301-600 | 601-900 | 901-1050 |
|---------|-------|---------|---------|---------|----------|
| EMT0005 | 10 | 20 | 30 | - | - |



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 $\text{ØB} \times [\text{E} + 5\text{mm}]$ 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.

