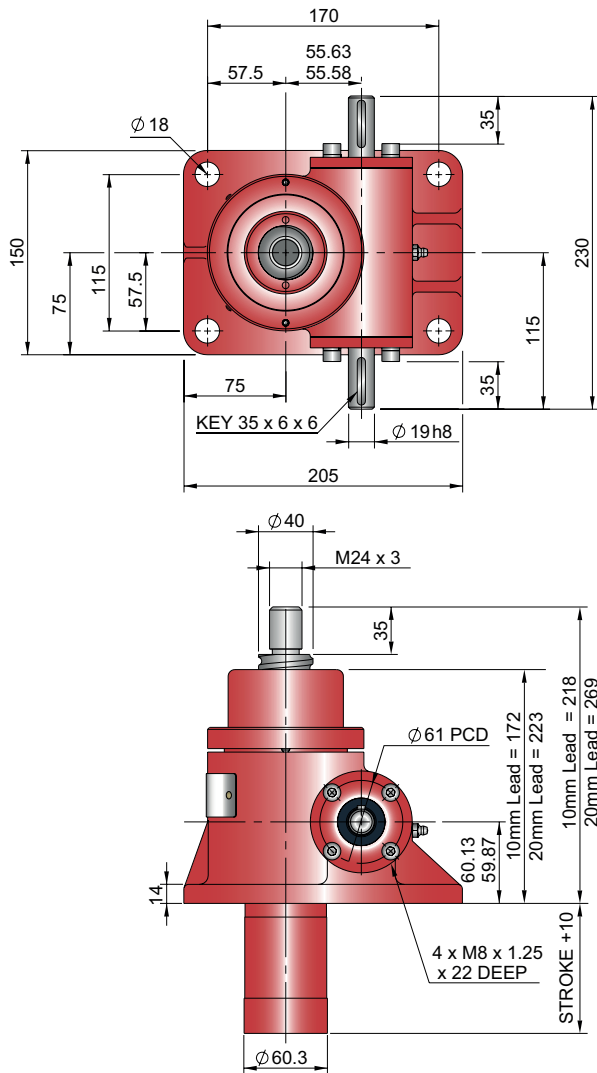
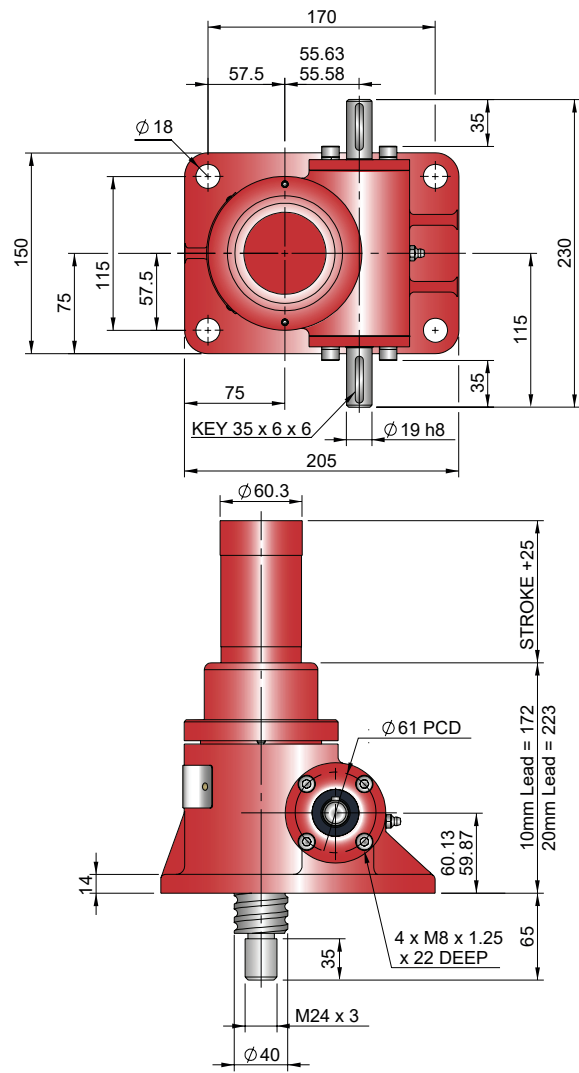


Upright EBT0050-U00



Inverted EBT0050-I00



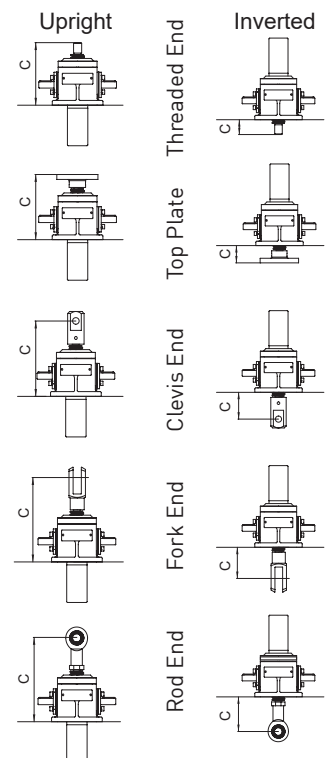
Performance

Closed Height

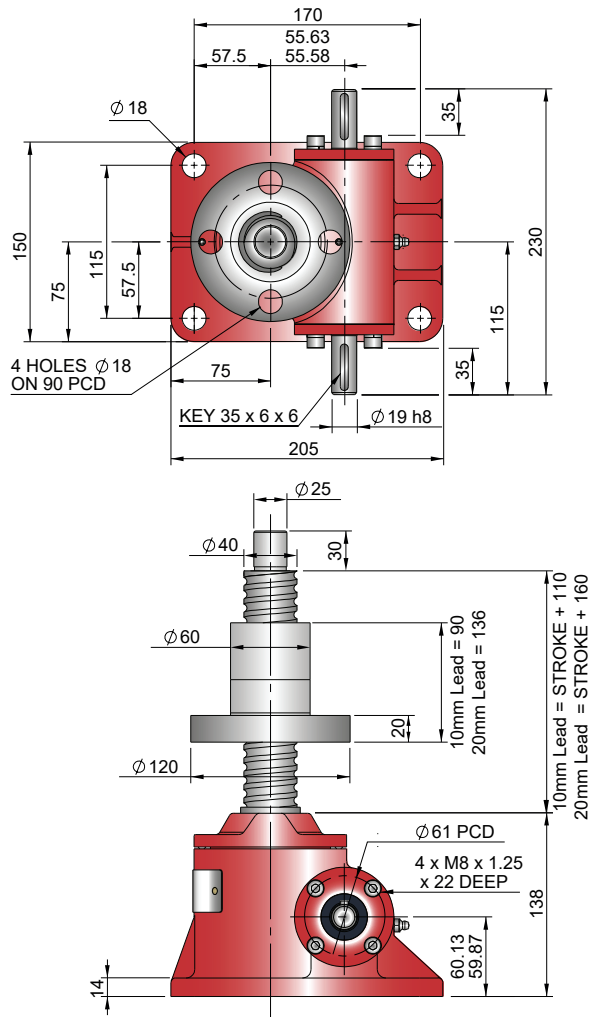
| Model | | EBT0050 EBR0050 | |
|-----------------------------------|---------------------|--------------------|---------|
| Capacity | kN | 50 | |
| Lifting Screw | Diameter (mm) | 40 | |
| | Lead | Option | 1 2 |
| | | mm | 10 20 |
| Gear Ratio Option 1 | Gear Ratio | 6:1 | |
| | Static Efficiency | 0.567 | 0.595 |
| | Dynamic Efficiency | 0.633 | 0.687 |
| Gear Ratio Option 2 | Gear Ratio | 24:1 | |
| | Static Efficiency | 0.310 | 0.325 |
| | Dynamic Efficiency | 0.407 | 0.422 |
| Max. Input power (kW) | Gear Ratio Option 1 | 3.0 | |
| | Gear Ratio Option 2 | 0.55 | |
| Start up torque at full load (Nm) | Gear Ratio Option 1 | 23.4 | 44.6 |
| | Gear Ratio Option 2 | 10.7 | 20.4 |

| Model | | EBT0050 EBR0050 | |
|--|--------------|--------------------|-------------|
| Capacity | kN | 50 | |
| Lifting Screw (mm) | | 10 | 20 |
| Turn of worm for travel of lifting screw | Gear Ratio 1 | 6 Turn | 10mm 20mm |
| | Gear Ratio 2 | 24 Turn | 10mm 20mm |
| Maximum Through Torque (Nm) | | 168 | |
| Lifting Screw Restraining Torque (Nm) | | 88 | 167 |
| Worm Shaft Maximum Radial Load (N) | | 740 | |
| Maximum Input Speed (rpm) | | 1800 | |
| Gear Case Material | | SG Iron | |
| Weight (kg) - stroke = 150mm | EMT | 14.9 | |
| | EMR | 16.54 | |
| Weight (kg) - per extra 25mm stroke | EMT | 0.32 | |
| | EMR | 0.19 | |

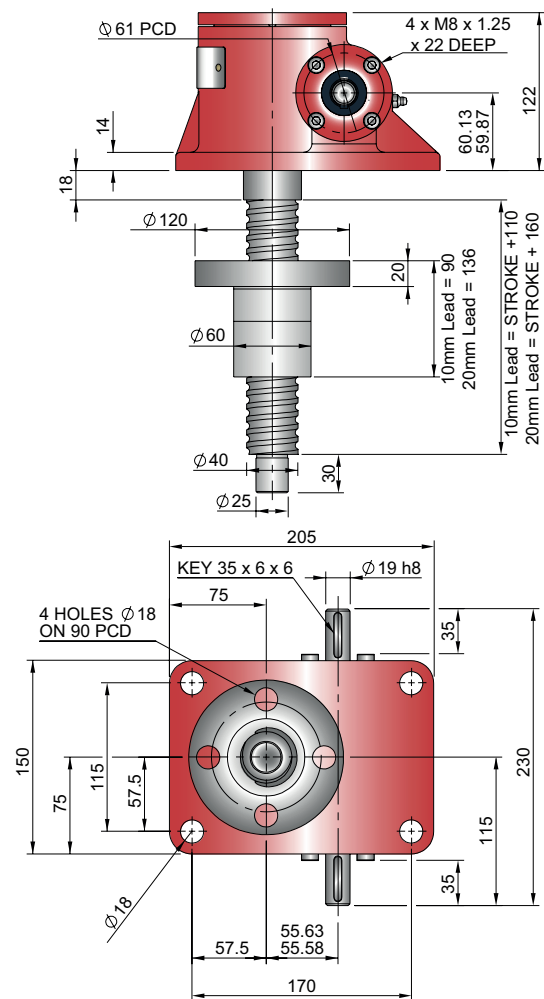
Note: All dimension in millimetres unless otherwise stated.
Designs subject to change without notice



Upright EBR0050-U00



Inverted EBR0050-I00

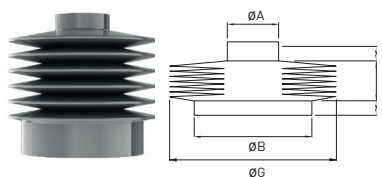


Closed Height & Bellows Boots

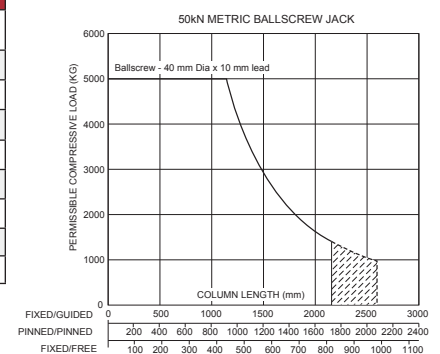
| Closed Height "C" | Threaded End | | Top Plate | | Clevis End | | Fork End | | Rod End | | | | | | |
|-------------------|----------------------------|----------|-----------|----------|------------|----------|----------|----------|---------|----------|-----|---------|-----|-----|---------|
| | Upright | Inverted | Upright | Inverted | Upright | Inverted | Upright | Inverted | Upright | Inverted | | | | | |
| EBT0050 | 185 | 65 | 185 | 65 | 210 | 90 | 248 | 128 | 242 | 122 | | | | | |
| Stroke (mm) | EBT0050 with Bellows Boots | | | | | | | | | | | | | | |
| Lead (mm) | 10 | 20 | 10 & 20 | 10 | 20 | 10 & 20 | 10 | 20 | 10 & 20 | 10 | 20 | 10 & 20 | 10 | 20 | 10 & 20 |
| 1-300 | 230 | 270 | 105 | 230 | 270 | 105 | 255 | 295 | 130 | 293 | 333 | 168 | 302 | 342 | 177 |
| 301-600 | 240 | 280 | 115 | 240 | 280 | 115 | 265 | 305 | 140 | 303 | 343 | 178 | 312 | 352 | 187 |
| 601-900 | 255 | 295 | 130 | 255 | 295 | 130 | 280 | 320 | 155 | 318 | 358 | 193 | 327 | 367 | 202 |
| 900-1050 | 260 | 300 | 135 | 260 | 300 | 135 | 285 | 325 | 160 | 323 | 363 | 198 | 332 | 372 | 207 |
| 1051-1500 | 280 | 320 | 155 | 280 | 320 | 155 | 305 | 345 | 180 | 343 | 383 | 218 | 352 | 392 | 227 |

| Model | A | B | D | E | G |
|---------|----|----|----|----|-----|
| EBT0050 | 50 | 85 | 15 | 15 | 140 |

| Stroke | 1-300 | 301-600 | 601-900 | 901-1050 | 1050-1500 |
|---------|-------|---------|---------|----------|-----------|
| EBT0050 | 20 | 30 | 45 | 50 | 70 |



Column Strength



Note: For 40mm Dia x 20mm lead column strength chart refer to Engineering Guide

Note:

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

