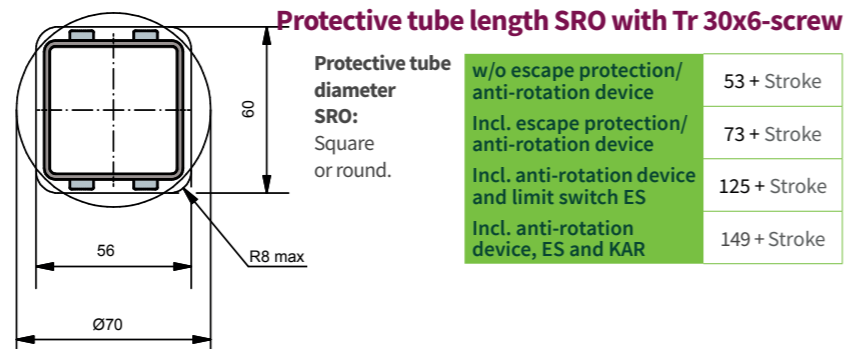
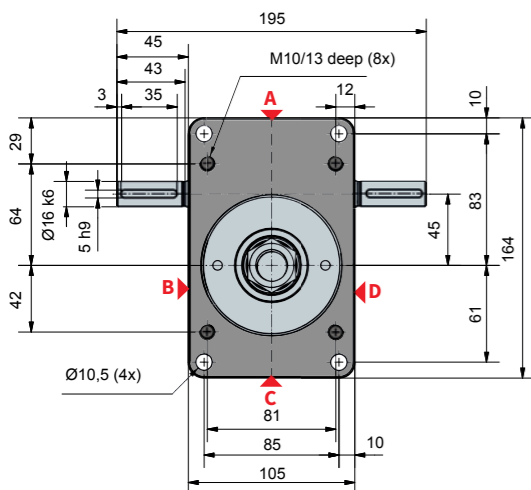
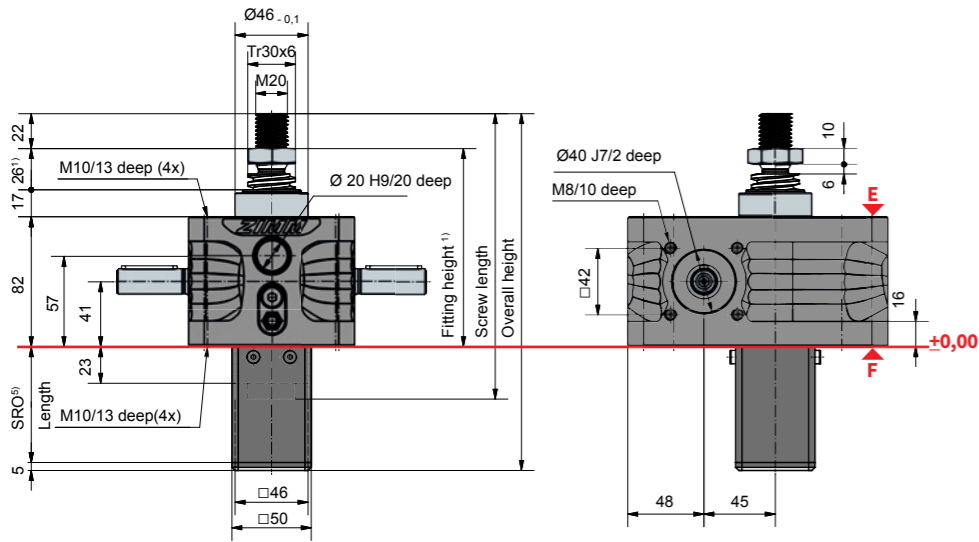


**25 kN**  
ZE-25-S | translating screw

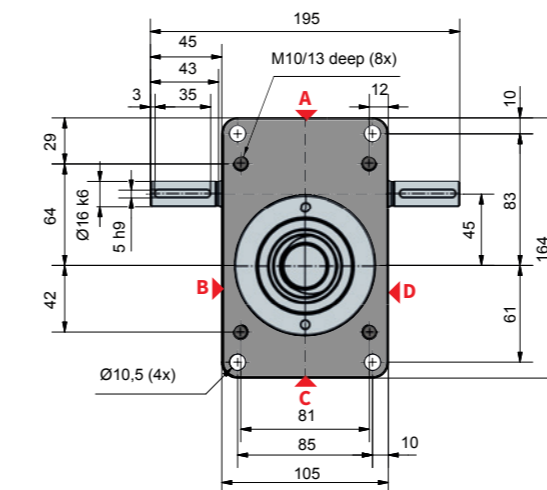
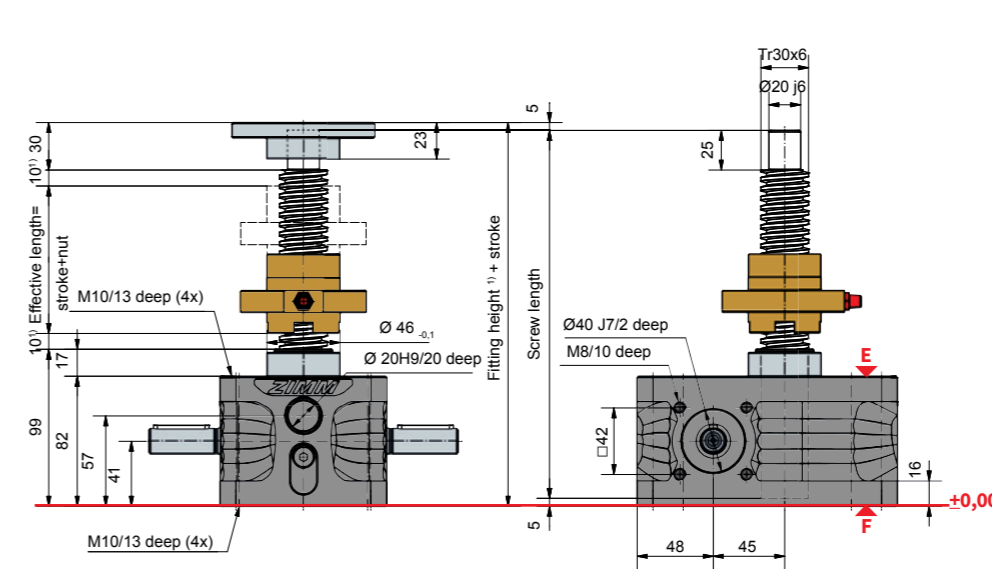


Standard configuration

Code	Gearbox series	Size	Version (variant)	Speed & ratio	Screw size	Stroke per drive shaft rotation
ZE-25-SN	ZE	25	S (translating screw)	N (normal) 6:1	Tr 30x6	1,00 mm
ZE-25-SL				L (low-speed) 24:1		0,25 mm

**25 kN**

**25 kN**  
ZE-25-R | rotating screw

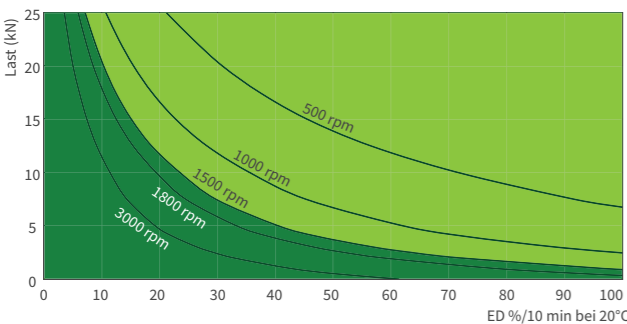


Standard configuration

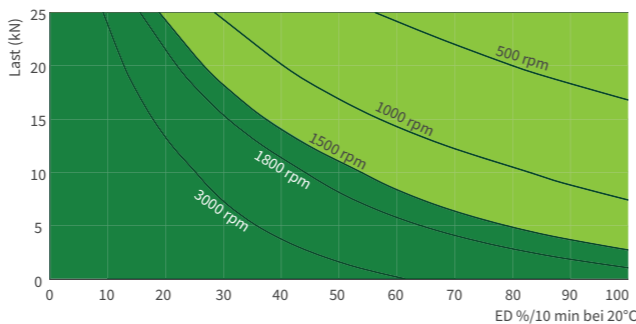
Code	Gearbox series	Size	Version (variant)	Speed & ratio	Screw size	Stroke per drive shaft rotation
ZE-25-RN	ZE	25	R (rotating screw)	N (normal) 6:1	Tr 30x6	1,00 mm
ZE-25-RL				L (low-speed) 24:1		0,25 mm

Duty cycle thermal limit (S + R) for standard gearbox (grease lubrication)

Ratio „N“ (4:1)



Ratio „L“ (24:1)



These maps are for orientation under standard industrial terms (ambient temperature 20% etc.) and proper maintenance (lubrication, etc.). They are based on the ZIMM standard trapezoidal thread Tr 30x6. With the use of a ball screw, the operation cycles can be many times longer.

Technical data series ZE-25-S / ZE-25-R

max. compressive / tensile static: 25 kN (2,5 t)  
 max. compressive / tensile force, dyn.: see duty cycle curves  
 Input speed: 1500 rpm / max. 3000 rpm (depending on the load and duty cycle)  
 Screw size standard: Tr 30x6<sup>2)</sup>  
 Gear ratio: 6:1 (N) / 24:1 (L)  
 Housing material: aluminium, corrosion-resistant steel, case-hardened, ground  
 Worm shaft: 3,8 kg  
 Weight of screw jack body: 4,5 kg  
 Weight of screw/m: synthetic fluid grease  
 Gearbox lubrication: grease lubrication  
 Screw lubrication: max. 60°C, higher on request  
 Gearbox operating temperature: N: 0,667 kg cm<sup>2</sup> / L: 0,443 kg cm<sup>2</sup>  
 Moment of inertia: max. 18 Nm (N) / max. 10 Nm (L)  
 Input torque (at 1500 rpm): max. 108 Nm  
 Drive-through torque: F (kN) x 0,63<sup>3,4)</sup> (N-normal)  
 Drive torque M<sub>G</sub> (Nm): F (kN) x 0,20<sup>3,4)</sup> (L-low speed)  
 Breakaway torque: Drive torque M<sub>G</sub> x 1,5

Make a plan to keep a safe distance of at least 10 mm between gearbox and nut or between nut and threaded end!  
 Detailed length calculations of protection tubes and bellows are easy and convenient with our online configurator:  
[www.zimm.com](http://www.zimm.com)

Important information:

- 1) If a bellows, spiral spring or double pitch is used; more fitting space is required
- 2) Tr 30x6 is standard, also available: double pitch, INOX, left-handed, increased screw Tr 40x7 (only for R version)
- 3) factor includes efficiency, ratio and 30% safety
- 4) for a 6 mm screw pitch
- 5) to calculate the length of our protective tube length SRO simply use our online configurator: [www.zimm.com](http://www.zimm.com)