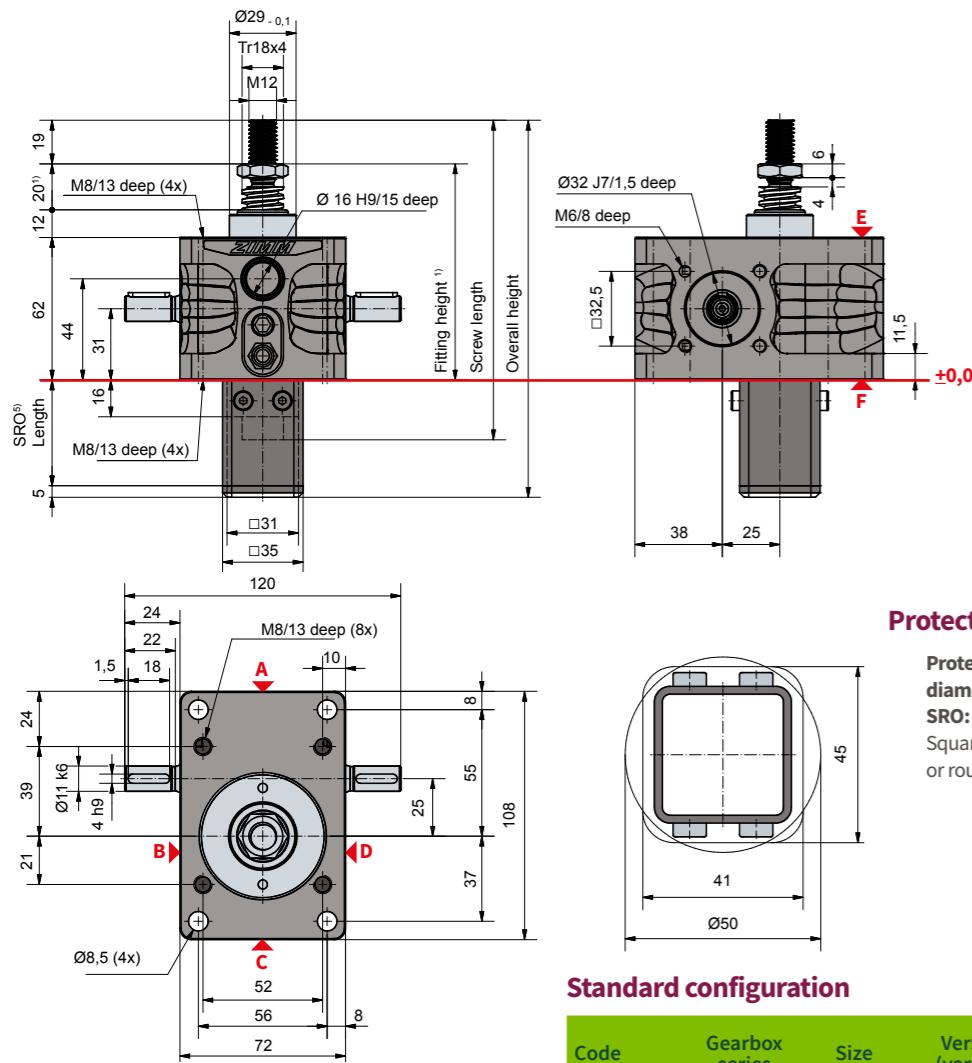
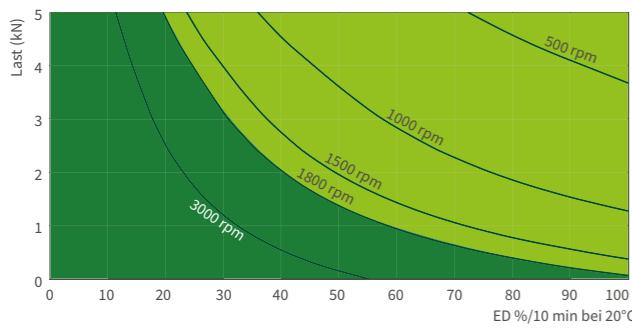
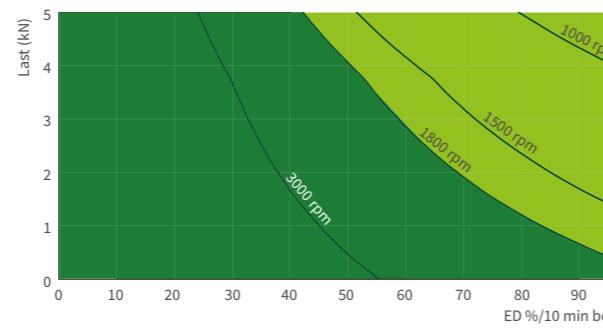
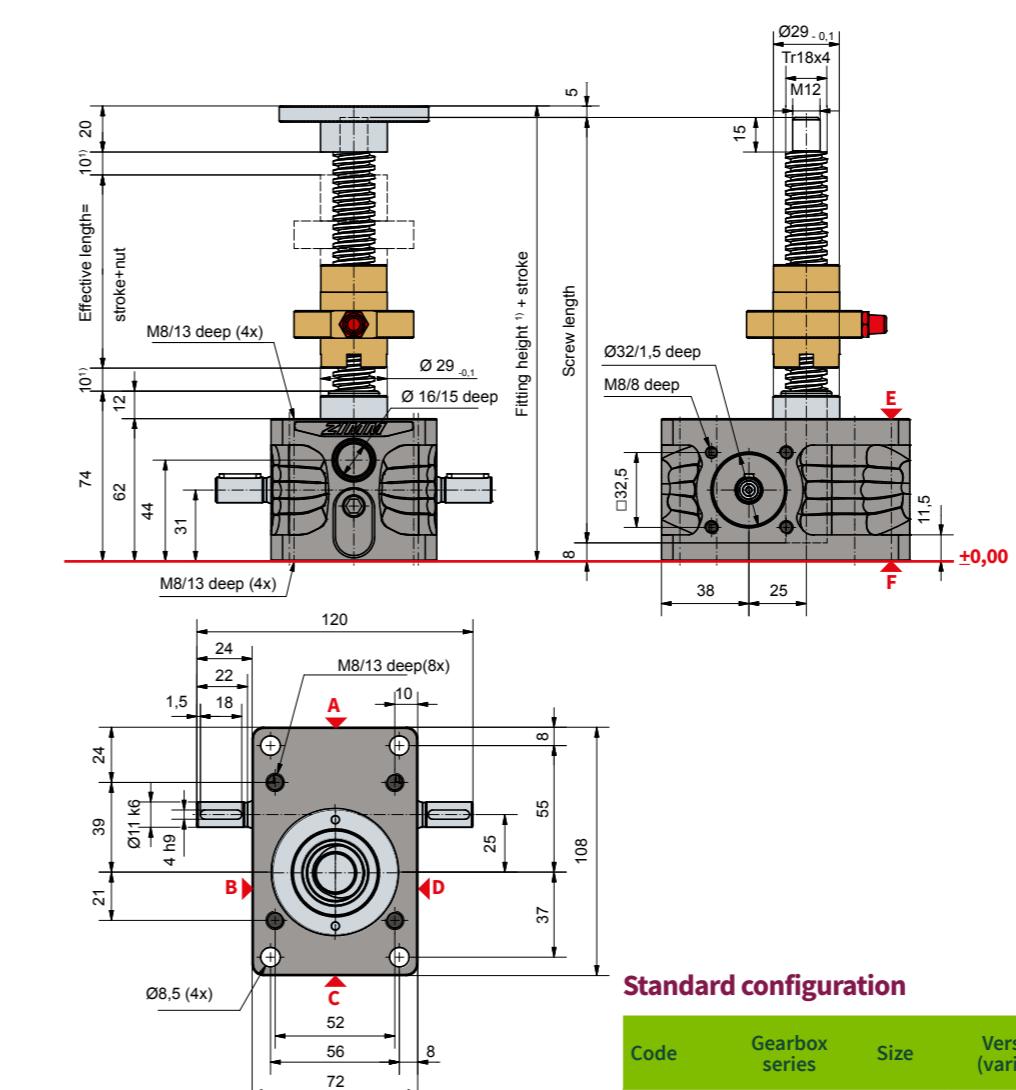



5 kN
ZE-5-S | translating screw
**5 kN**

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

Ratio „N“ (4:1)**Ratio „L“ (16:1)**

These maps are for orientation under standard industrial terms (ambient temperature, etc.) and proper maintenance (lubrication, etc.). They are based on the ZIMM standard trapezoidal thread Tr 18x4. With the use of a ball screw, the operation cycles can be many times longer.


5 kN
ZE-5-R | rotating screw


Technical data series ZE-5-S / ZE-5-R

max. compressive / tensile force, static: 5 kN (0,5 t)

max. compressive / tensile force, dyn.: see duty cycle curves

Input speed: 1500 rpm / max. 3000 rpm (depending on the load and duty cycle)

Tr 18x4²⁾

4:1 (N) / 16:1 (L)

aluminium, corrosion-resistant

steel, case-hardened, ground

1,2 kg

1,58 kg

synthetic fluid grease

grease lubrication

max. 60°C, higher on request

N: 0,132 kg cm² / L: 0,091 kg cm²

max. 4,7 Nm (N) / max. 1,5 Nm (L)

max. 39 Nm

F (kN) x 0,62^{3,4)} (N-normal)F (kN) x 0,21^{3,4)} (L-low-speed)Drive torque M_G 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

Important information:

1) If a bellow, spiral spring or double pitch is used; more fitting space is required

2) Tr 18x4 is standard, also available: double-pitch, INOX, left-handed, increased

screw Tr 20x4 (only for the R version)

3) factor includes efficiency, ratio and 30% safety

4) for a 4 mm screw pitch

5) to calculate the length of our protective tube length SRO simply use our online configurator: www.zimm.com