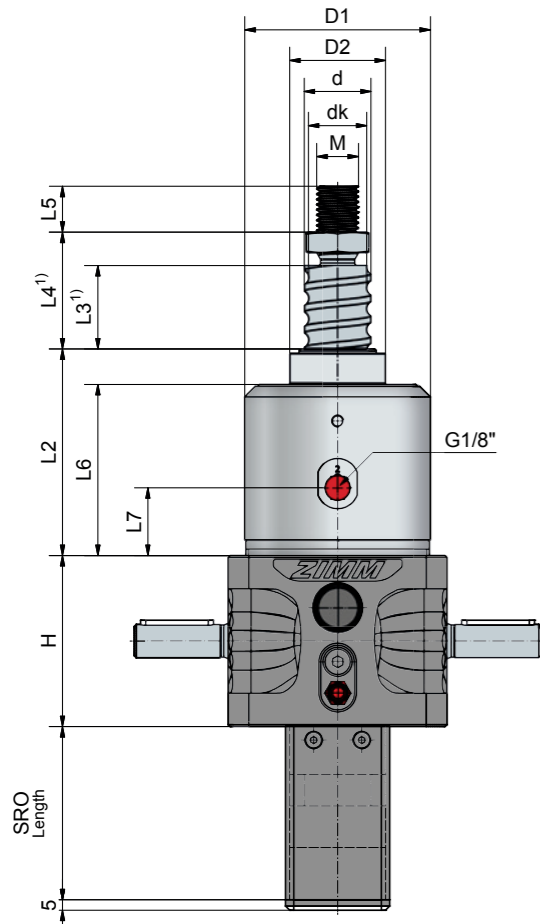


5 to 25 kN
KGT-S | translating screw



Technical data

ZE-5-S

max. compressive/tensile force, static: 5 kN (0,5 t)
 Input speed: 1500 rpm / max. 3000 rpm
 Gearbox operating temperature: max. 60°C, higher on request
 Moment of inertia: N: 0,17 kg cm² / L: 0,093 kg cm²
 Input torque (at 1500 rpm): max. 4,7 Nm (N) / max. 1,5 Nm (L)
 Drive-through torque: max. 39 Nm
 Gear ratio: 4:1 (normal) / 16:1 (low-speed)
 Housing material: aluminium, corrosion-resistant
 Whorm shaft: steel, case-hardened, ground
 Weight of screw: 1,5 kg
 Gearbox lubrication: synthetic fluid grease

ZE-10-S

max. compressive/tensile force, static: 10 kN (1 t)
 Input speed: 1500 rpm / max. 3000 rpm
 Gearbox operating temperature: max. 60°C, higher on request
 Moment of inertia: N: 0,478 kg cm² / L: 0,233 kg cm²
 Input torque (at 1500 rpm): max. 13,5 Nm (N) / max. 7,5 Nm (L)
 Drive-through torque: max. 57 Nm
 Gear ratio: 4:1 (normal) / 16:1 (low-speed)
 Housing material: aluminium, corrosion-resistant
 Whorm shaft: steel, case-hardened, ground
 Weight (screw jack): 2,8 kg
 Gearbox lubrication: synthetic fluid grease

ZE-25-S

max. compressive/tensile force, static: 25 kN (2,5 t)
 Input speed: 1500 rpm / max. 3000 rpm
 Gearbox operating temperature: max. 60°C, higher on request
 Moment of inertia: N: 0,957 kg cm² / L: 0,461 kg cm²
 Input torque (at 1500 rpm): max. 18 Nm (N) / max. 10 Nm (L)
 Drive-through torque: max. 108 Nm
 Gear ratio: 6:1 (normal) / 24:1 (low-speed)
 Housing material: aluminium, corrosion-resistant
 Whorm shaft: steel, case-hardened, ground
 Weight of screw: 5,2 kg
 Gearbox lubrication: synthetic fluid grease

Ordering example: ZE-25-SN-KGT 32x10, C = 30,8 kN



A holding brake is necessary due to the lack of self-locking: either a brake motor or spring-loaded brake can be used.

Screw: 1.1213 (Cf 53), hardened inductiv and polished.

| Screw jacks | KGT Screw ØxP | Stroke per drive revolution | | KGT load rating kN | | Axialplay max ³⁾ mm |
|-------------|------------------|-----------------------------|------|----------------------|--------------------------|-----------------------------------|
| | | SN | SL | dyn. C ²⁾ | stat. Co=C _{oa} | |
| ZE-5 | 16x5 | 1,25 | 0,31 | 10,1 | 12 | 0,06 |
| | 16x10 | 2,50 | 0,63 | 11,1 | 12,9 | 0,06 |
| ZE-10 | 25x5 | 1,25 | 0,31 | 13,7 | 21,5 | 0,06 |
| | 25x10 | 2,50 | 0,63 | 25,2 | 45,4 | 0,06 |
| | 25x25 | 6,25 | 1,56 | 20,7 | 37,3 | 0,06 |
| | 25x50 | 12,50 | 3,14 | 15,4 | 31,7 | 0,06 |
| ZE-25 | 32x5 | 0,83 | 0,21 | 24,8 | 49,7 | 0,06 |
| | 32x10 | 1,67 | 0,42 | 30,8 | 45,6 | 0,06 |
| | 32x20 | 3,33 | 0,83 | 32,9 | 47,1 | 0,06 |
| | 32x40 | 6,67 | 1,67 | 14,9 | 32,4 | 0,06 |

| Screw jacks | KGT Screw ØxP | Dimensions mm | | | | | | | | | | | |
|-------------|------------------|---------------|------|------|----|----|----|------------------|------------------|----|----|----|-----|
| | | H | d | dk | D1 | D2 | L2 | L3 ¹⁾ | L4 ¹⁾ | L5 | L6 | L7 | M |
| ZE-5 | 16x5 | 62 | 15,5 | 12,9 | 59 | 29 | 66 | 15 | 25 | 19 | 54 | 23 | M12 |
| | 16x10 | 62 | 15,5 | 12,9 | 59 | 29 | 66 | 25 | 35 | 19 | 54 | 23 | M12 |
| ZE-10 | 25x5 | 74 | 24,5 | 21,9 | 69 | 39 | 85 | 15 | 27 | 20 | 69 | 21 | M14 |
| | 25x10 | 74 | 24,5 | 21,9 | 69 | 39 | 85 | 25 | 37 | 20 | 69 | 21 | M14 |
| | 25x25 | 74 | 24,5 | 21,9 | 69 | 39 | 85 | 60 | 72 | 20 | 69 | 21 | M14 |
| | 25x50 | 74 | 24,5 | 21,9 | 69 | 39 | 85 | 125 | 137 | 20 | 69 | 21 | M14 |
| ZE-25 | 32x5 | 82 | 31,5 | 28,9 | 89 | 46 | 99 | 15 | 31 | 22 | 82 | 33 | M20 |
| | 32x10 | 82 | 31,5 | 26,8 | 89 | 46 | 99 | 20 | 36 | 22 | 82 | 33 | M20 |
| | 32x20 | 82 | 31,5 | 26,8 | 89 | 46 | 99 | 35 | 51 | 22 | 82 | 33 | M20 |
| | 32x40 | 82 | 31,5 | 28,9 | 89 | 46 | 99 | 70 | 86 | 22 | 82 | 33 | M20 |

1) Depending on the control system and drive, the dimensions L3 and L4 can be reduced at your own discretion, in particular for high pitches.

An extension may be required if a bellows or spiral spring is fitted.

2) Dynamic load rating to DIN 69051 part 4 draft 1989

3) Reduced play 0,02 mm available on request