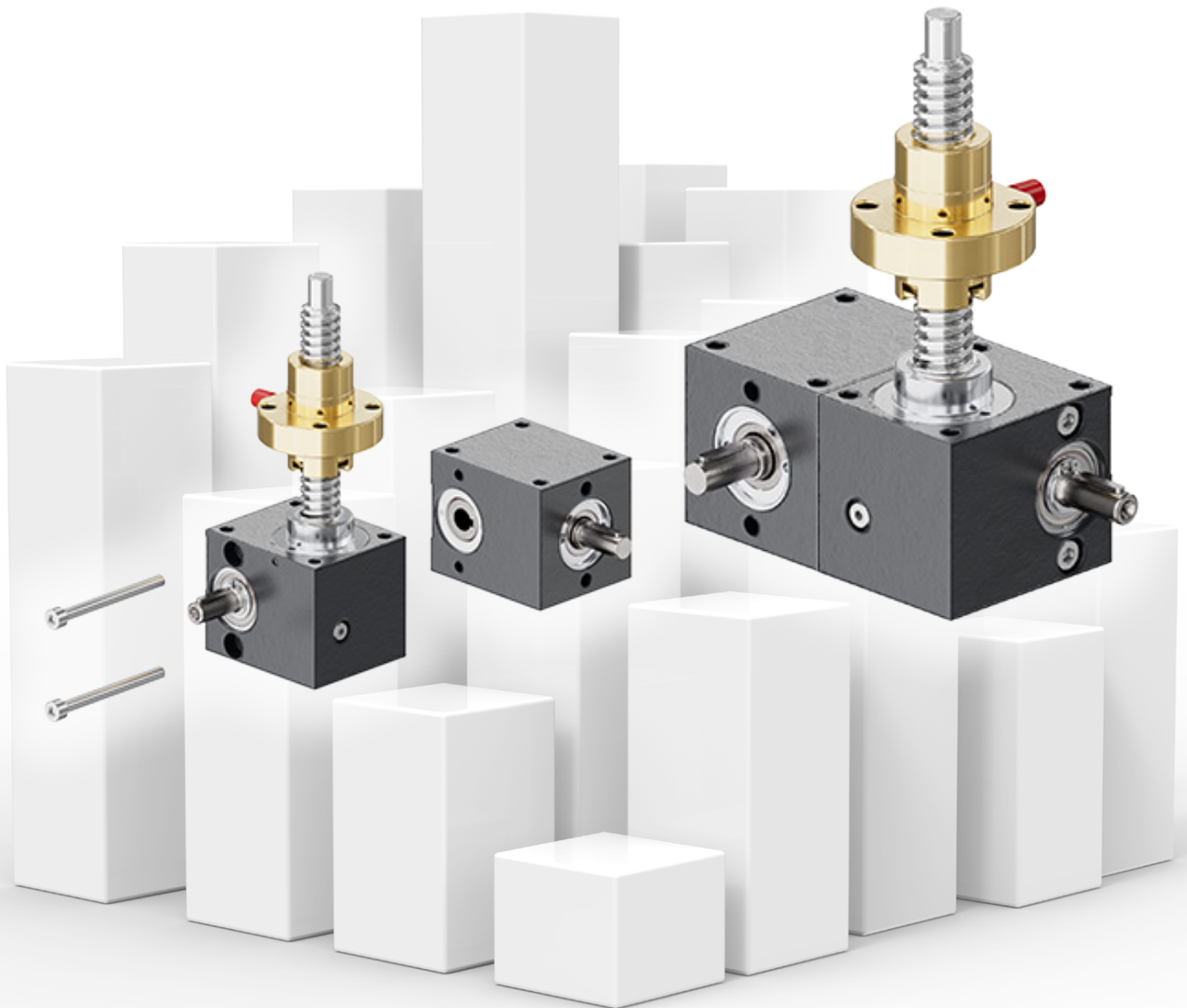
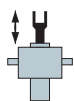


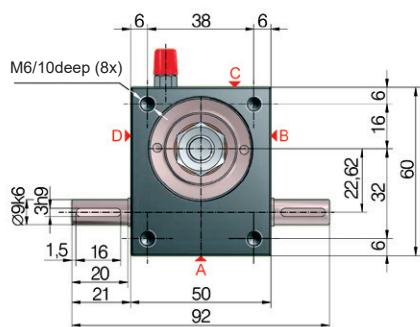
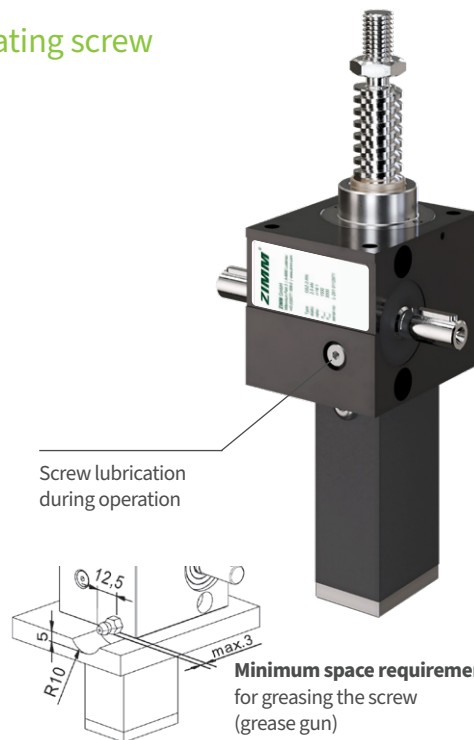
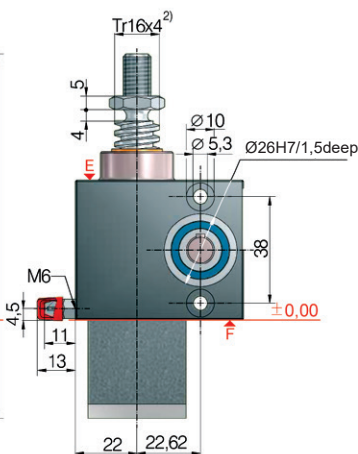
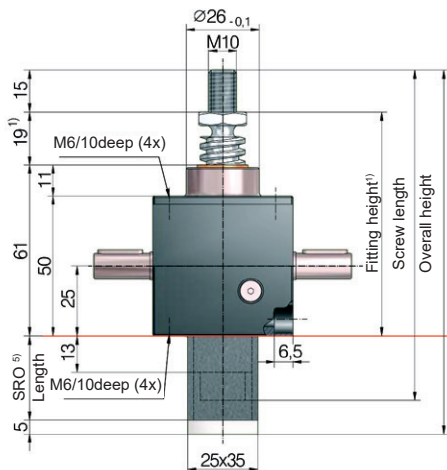
Everything from a single source **GSZ & KSZ | 2,5 kN**



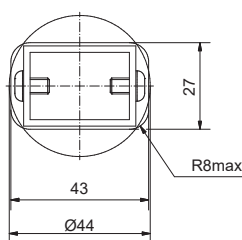


Screw jacks 2,5 kN

GSZ-2-S-TR | Trapezoidal screw jacks | translating screw



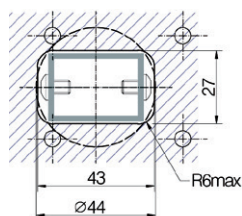
Opening for protective tube SRO:



5) Protective tube length SRO with Tr 16x4-Screw

Without escape/rotation protection	47 + stroke
Escape/rotation protection	62 + stroke
Rotation protection, with limit switch set ES	117 + stroke
Rotation protection and ESSET and KAR*	139 + stroke

*with bellows fixing ring FBR

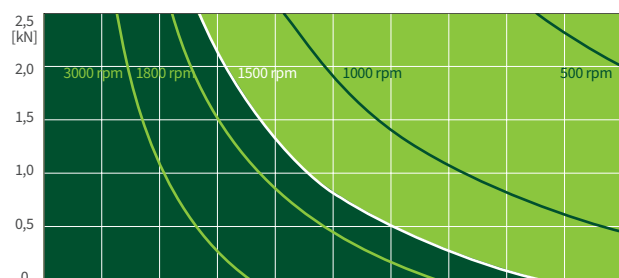


Code	Gearbox (series)	Size	Version (variant)	Ratio	Screw	Stroke per drive shaft rotation
GSZ-2-SN	GSZ	2,5	S (translating screw)	N (normal) 4:1	Tr 16x4	1,00 mm
GSZ-2-SL				L (low) 16:1		0,25 mm

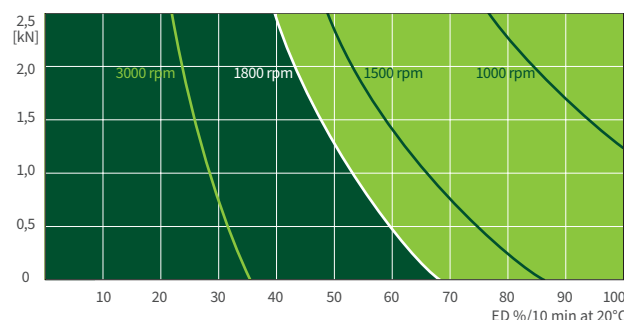
2,5 kN

Duty cycle thermal limit (S + R)

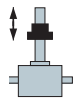
Ratio „N“ (4:1)



Ratio „L“ (16:1)

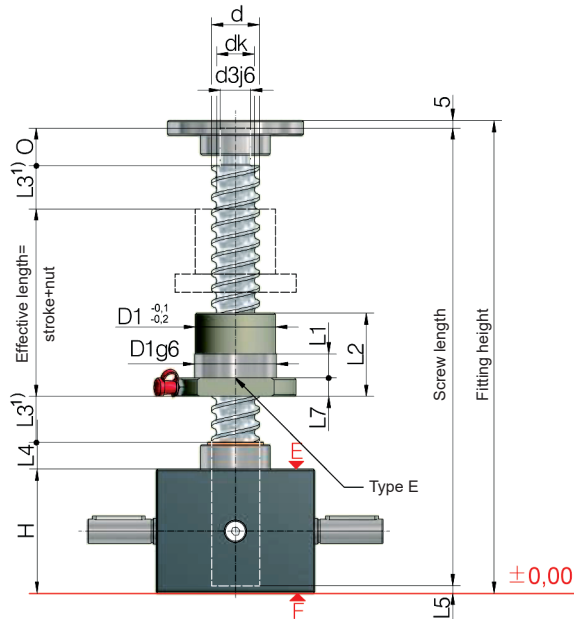


These curves are for guidance under standard industrial conditions (ambient temperature 20°C etc.) and correct maintenance (lubrication etc.). They are based on the ZIMM standard trapezoidal thread Tr 16x4. The operation cycles can be many times longer, when using ball screws.



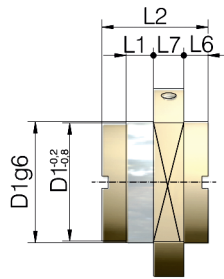
R Screw jacks 2,5 kN

GSZ-2-R-KGT | Ball screw jacks | rotating screw

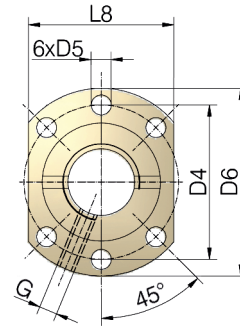


Position of the flange nut:

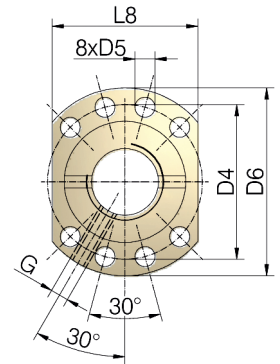
G = flange gearbox side (as shown)
S = flange screw side



Type S



Hole pattern 1
to DIN 69051



Hole pattern 2
to DIN 69051

Screw jacks	KGT Screw	Stroke per drive revolution		KGT Load rating kN		Nut		Lubrication hole	Axial play max ³⁾
	ØxP	RN	RL	dyn. C ²⁾	stat. Co=C _{0a}	Type	Hole pattern	G	mm
GSZ-2	16x5	1,25	0,31	10,1	12	E	1	M6	0,06
	16x10	2,5	0,63	11,1	12,9	E	1	M6	0,06

Screw jacks	KGT Screw		Dimensions mm															
	ØxP	d	dk	d3j6	O	H	D1	D4	D5	D6	L1	L2	L3 ¹⁾	L4	L5	L6	L7	L8
GSZ-2	16x5	15,5	12,9	10	12	50	28	38	5,5	48	10	42	15	11	3		10	40
	16x10	15,4	13	10	12	50	28	38	5,5	48	10	55	25	11	3		10	40

Technical data series GSZ-2-R

max. compressive/tensile force, static: 2,5 kN (250 kg)
Input speed: 1500 rpm / max. 3000 rpm
Gearbox operating temperature: max. 60°C, higher on request
Moment of inertia: N: 0,047 kg cm² / L: 0,031 kg cm²
Input torque (at 1500 rpm): max. 1,4 Nm (N) / max. 0,5 Nm (L)
Drive-through torque: max. 9 Nm
Gear ratio: 4:1 (Normal) / 16:1 (Low)
Housing material: aluminium, corrosion-resistant
Worm shaft: steel, case-hardened, ground
Weight of screw jack body: 0,6 kg
Gearbox / Screw lubrication: synthetic gear oil / grease lubrication

Because of the lack of friction, a holding brake is necessary: a motor brake or a spring pressure brake is required.

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

Pitch accuracy: 0,05 mm / 300 mm

1) Depending on the control system and drive, the dimension L3 and L4 can be reduced at your own discretion. An extension may be required if a bellows or spiral spring is fitted.

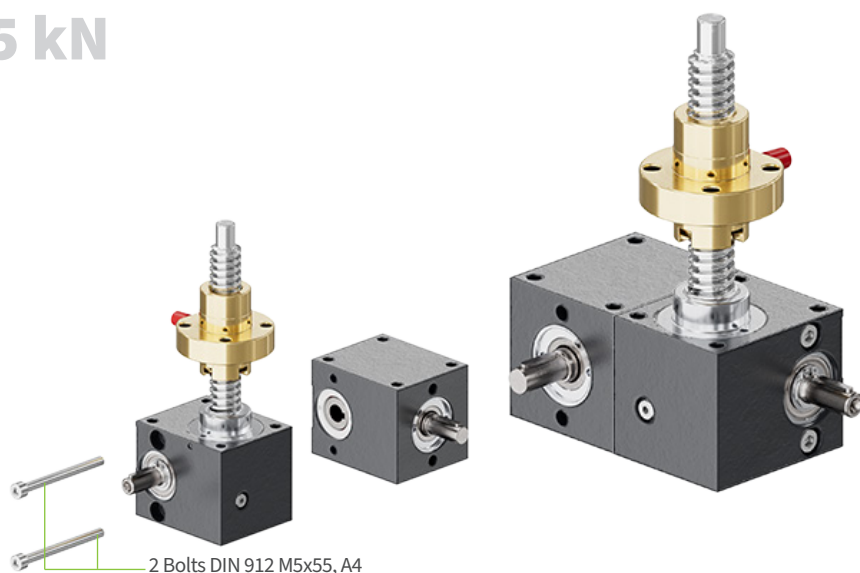
2) Dynamic load rating to DIN ISO 3408.

3) Reduced play 0,02 mm available on request.

Bevel gearboxes 2,5 kN

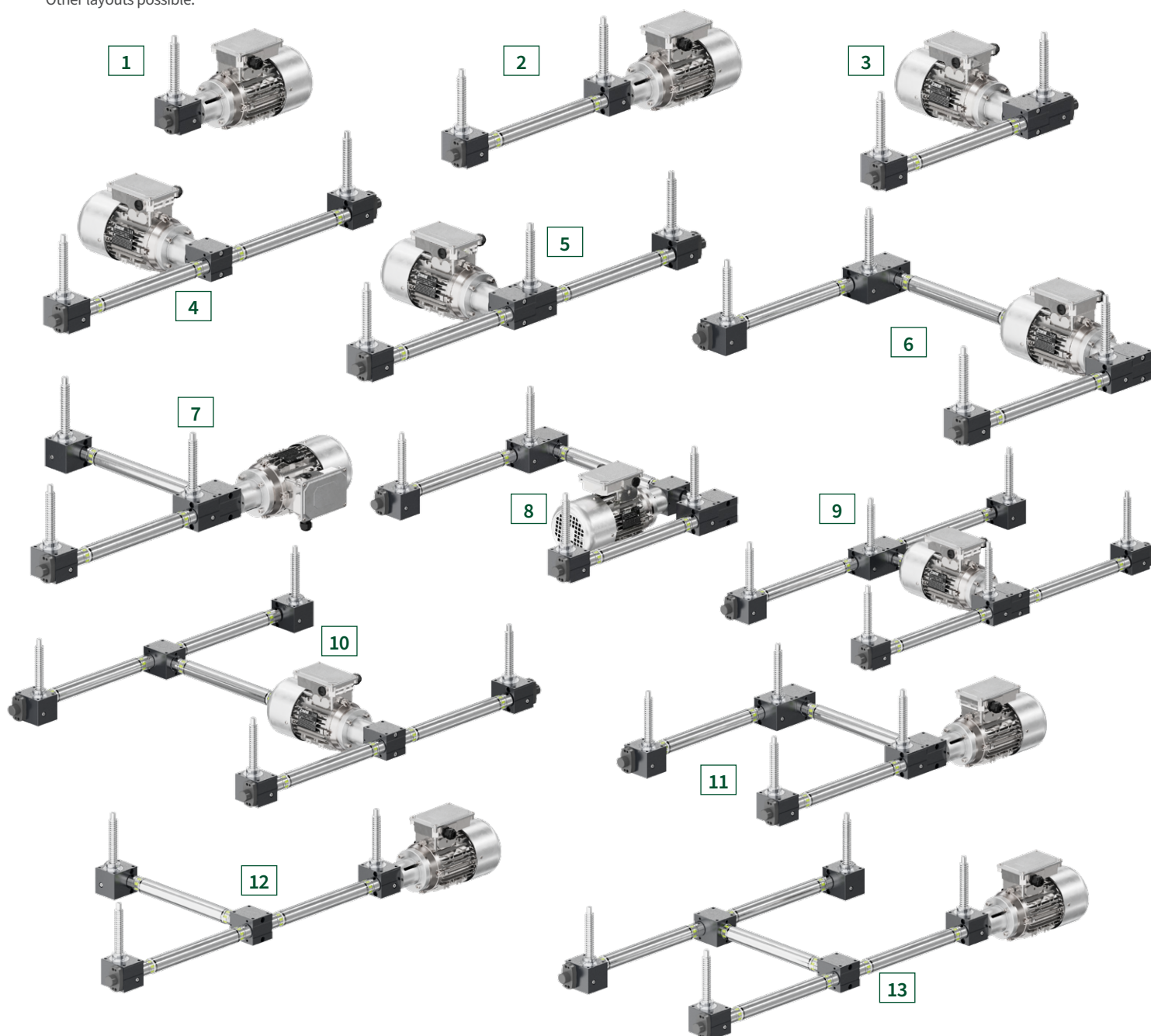
KSZ-2

The KSZ-2 is a bolt-on gearbox and therefore where larger bevel gearboxes such as the KSZ-H series are used the layouts will be different.

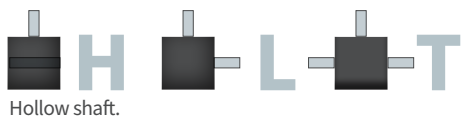


Layout examples

Other layouts possible.



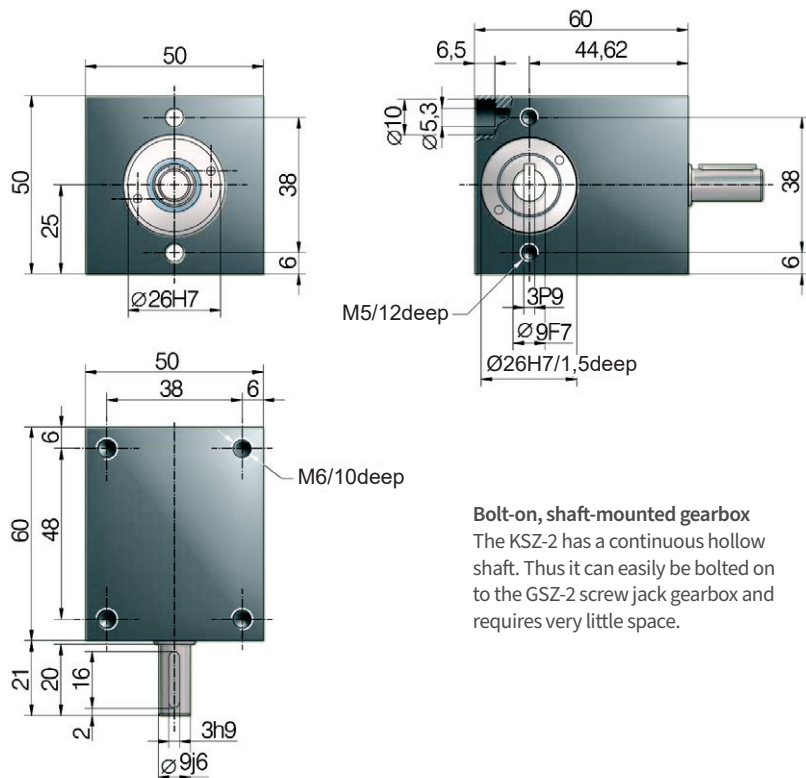
Spiral-toothed



Hollow shaft.

Bevel gearboxes 2,5 kN

KSZ-2



Bolt-on, shaft-mounted gearbox
The KSZ-2 has a continuous hollow shaft. Thus it can easily be bolted on to the GSZ-2 screw jack gearbox and requires very little space.



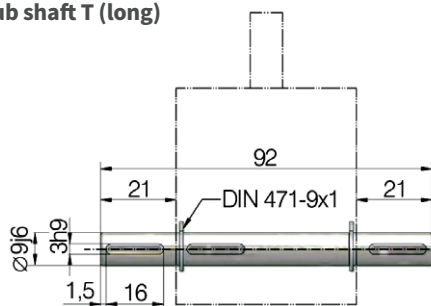
Spiral-toothed
Spiral toothing ensures high torque and low running noise

Technical data KSZ-2

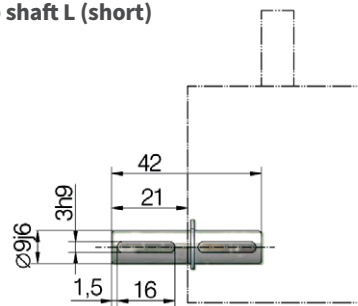
Input speed:	1500 rpm / max. 3000 rpm
Screw size standard GSZ-2:	Tr 16x4 ²⁾ (GSZ-2)
Gear ratio:	1:1
Housing material:	aluminium, hard anodised
Worm shaft:	steel, case-hardened, ground
Weight of screw jack body:	0,45 kg
Screw lubrication:	gear oil
Duty cycle:	40%
max. torque:	3 Nm
Drive-through torque:	max. 4,2 Nm



Stub shaft T (long)



Stub shaft L (short)



Note

Fitting a stub shaft allows the KSZ-2 to be used as a conventional right-angle gearbox.

YOUR INQUIRY IS OUR DRIVE



ZIMM USA Inc.

180 Covington Drive | Bloomingdale, IL 60108
T 630-259-5100, E office@zimm.com