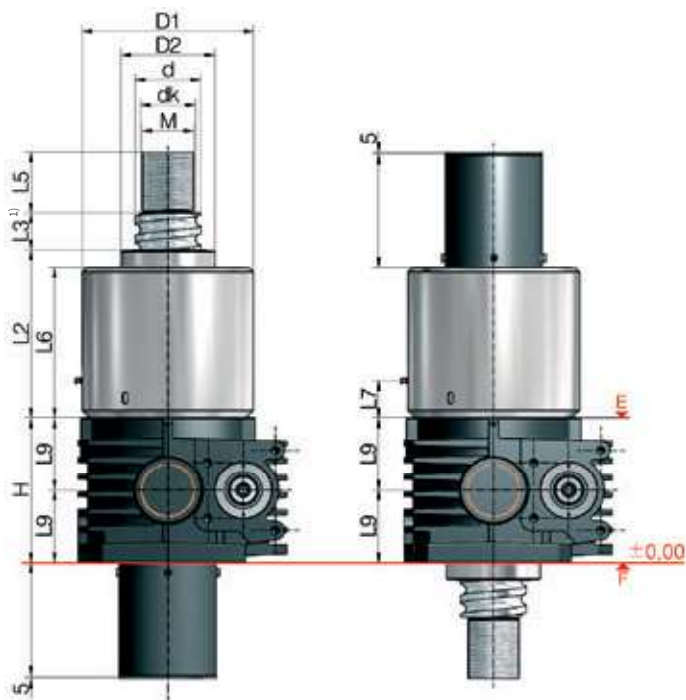




S

500 to 1000 kN

KGT-S | translating screw

Screw
Face EScrew
Face F

Opening for protective tube SRO



Square:
Optionally available
with limit switch ES.



Round:
Optionally available with
escape protection AS.

	Z-500	Z-750	Z-1000
Opening protective tube	Square: 202x202, R max. 32 or Ø256	Square: 222x222, R max. 32 or Ø285	Square: 245x245, R max. 35 or Ø315
	Round: Ø200	Round: Ø320	Round: Ø280
Dimension protective tube	Square: □ 180 x 180	Square: □ 200 x 200	Square: □ 200 x 200
	Round: Ø180	Round: Ø210	Round: Ø260

For square version VS rotation protection included as standard.
Round version optionally also with AS escape protection.

Screw jacks	KGT Screw	Stroke per drive revolution		KGT Load rating kN			Dimensions mm				Axial play max
	ØxP	SN	SL	dyn. C ²⁾	stat. C ₀ =C _{0a}	H	d	dk	D1	D2	
Z-500	125x25	2,34	0,78	575,1	1863	260	125	107,8	315	170	0,03
	125x40	3,75	1,25	402,2	1117	260	125	107,8	315	170	0,03
	125x60	5,62	1,88	302,8	745,3	260	125	107,8	315	170	0,03
	125x80	7,50	2,50	218,7	630,5	260	125	112,4	315	170	0,03
Z-750	140x25	1,88	0,63	774,3	3082	310	140	122,8	365	200	0,03
	140x40	3,00	1,00	754,0	2100	310	140	117	365	200	0,03
	140x60	4,50	1,50	616,7	1575	310	140	117	365	200	0,03
	140x80	6,00	2,00	464,3	1048	310	140	117	365	200	0,03
Z-1000	160x25	1,88	0,63	884,7	4068	340	160	142,8	405	250	0,03
	160x40	3,00	1,00	1069,9	3016	340	160	132,8	405	250	0,03
	160x60	4,50	1,50	663,0	1923	340	160	137	405	250	0,03
	160x80	6,00	2,00	499,1	1282	340	160	137	405	250	0,03

Screw jacks	KGT Screw	Stroke per drive revolution		KGT Load rating kN			Dimensions mm						
	ØxP	SN	SL	dyn. C ²⁾	stat. C ₀ =C _{0a}	L2	L3 ¹⁾	L5	L6	L7	L9	L10	M
Z-500	125x25	2,34	0,78	575,1	1863	283	50	118	251	55	130	L9	M100x3
	125x40	3,75	1,25	402,2	1117	283	80	118	251	55	130	L9	M100x3
	125x60	5,62	1,88	302,8	745,3	283	120	118	251	55	130	L9	M100x3
	125x80	7,50	2,50	218,7	630,5	283	160	118	251	55	130	L9	M100x3
Z-750	140x25	1,88	0,63	774,3	3082	374	50	130	337	84	155	L9	M110x3
	140x40	3,00	1,00	754,0	2100	374	80	130	337	84	155	L9	M110x3
	140x60	4,50	1,50	616,7	1575	374	120	130	337	84	155	L9	M110x3
	140x80	6,00	2,00	464,3	1048	374	160	130	337	84	155	L9	M110x3
Z-1000	160x25	1,88	0,63	884,7	4068	392	50	130	360	79	170	L9	M110x3
	160x40	3,00	1,00	1069,9	3016	392	80	130	360	79	170	L9	M110x3
	160x60	4,50	1,50	663,0	1923	392	120	130	360	79	170	L9	M110x3
	160x80	6,00	2,00	499,1	1282	392	160	130	360	79	170	L9	M110x3

1) Depending on the control system and drive, the dimension L3 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

Technical data

Z-500-S

max. compressive/tensile force, static:	500 kN (50 t)
Input speed:	1000 rpm / max. 1000 rpm
Moment of inertia:	N: 310,2 kg cm ² / L: 127,8 kg cm ²
Input torque (at 1000 rpm):	max. 408 Nm (N) / max. 170 Nm (L)
Drive-through torque:	max. 1940 Nm
Gear ratio:	10,66:1 (Normal) / 32:1 (Low)
Housing material:	GGG, corrosion-resistant
Weight of screw jack body:	168 kg

Z-750-S

max. compressive/tensile force, static:	750 kN (75 t)
Input speed:	1000 rpm / max. 1000 rpm
Moment of inertia:	N: 518,1 kg cm ² / L: 256,1 kg cm ²
Input torque (at 1000 rpm):	max. 480 Nm (N) / max. 210 Nm (L)
Drive-through torque:	max. 4570 Nm
Gear ratio:	13,33:1 (Normal) / 40:1 (Low)
Housing material:	GGG, corrosion-resistant
Weight of screw jack body:	262 kg

Z-1000-S

max. compressive/tensile force, static:	1000 kN (100 t)
Input speed:	1000 rpm / max. 1000 rpm
Moment of inertia:	N: 1058,2 kg cm ² / L: 459,2 kg cm ²
Input torque (at 1000 rpm):	max. 680 Nm (N) / max. 450 Nm (L)
Drive-through torque:	max. 4570 Nm
Gear ratio:	13,33:1 (Normal) / 40:1 (Low)
Housing material:	GGG, corrosion-resistant
Weight of screw jack body:	408 kg

Detailed calculation of the fitting dimensions (bellows, screw, protective tube...) can be conveniently determined with our online configurator: www.zimm.com

Note for holding brake

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

Ordering example: Z-1000-SN-E-KGT 160x40, C = 1069,9 kN

Screw Face E or F

Dynamic load rating C