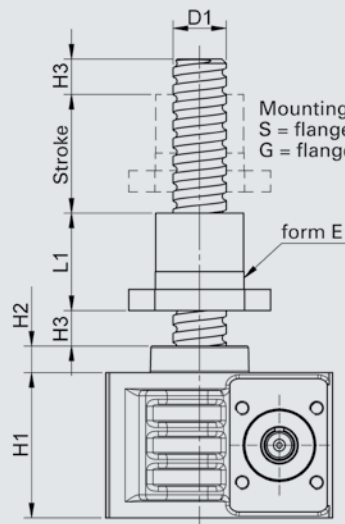
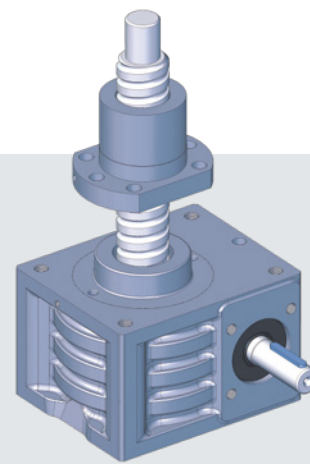


Ball screw (KGT) – Specifications

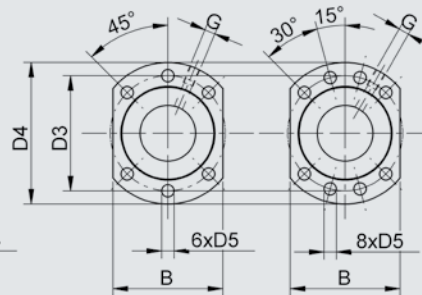
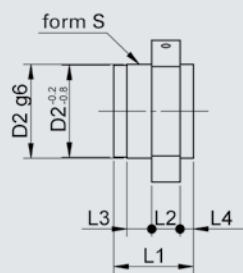
Screw jacks, rotating



Mounting position flange nut
S = flange spindle side
G = flange gearbox side (diagrammed)

Hole pattern 1
Flange form B

Hole pattern 2
Flange form B



Pitch accuracy

0,05 mm/300 mm

Self-locking

None! Therefore, braking motor or spring-loaded brake FDB necessary

Fouling

Nuts are always fitted with scrapers. In case of serious fouling and fine dust/swarf, we recommend installing bellows or a spiral spring cover.

Lubrication

Adequate lubrication is an important factor to insure the life of the system, reducing friction and ensuring smooth running. For KGT we use the same lubricants as for ball bearings.

Locking

The spindles or nuts must not be unscrewed or disengaged under any circumstances.

System starting and braking

Especially with high pitches and large gearboxes we recommend the use of a frequency inverter or a soft start for acceleration and deceleration. This provides protection for the whole system. Subject to a suitable control system being used the safety distance may be reduced. Please contact the technical department for more information.

Switching-on time

Owing to the lower heat generation with ball screws, you can multiply the switching-on times (ED in % per 10') by a factor of 2. Please contact us regarding applications with a switching-on time greater than 40 % (4 min per 10 min).

KGT	RN*	RL*	Nut shape	Hole pattern	B	D2	D3	D4	D5	G	H1	H2	H3 (min.)	L1	L2	L3	L4	Load rating [kN]			
																		Axial play (max)	dynamic	static	
NSE5	16x5	1.25	0.31	E	1	40	28	38	48	5.5	M6	62	11	10	42	10	10	–	0.08	9.3	13.1
	16x10	2.50	0.63	E	1	40	28	38	48	5.5	M6	62	11	20	55	10	10	–	0.08	15.4	26.5
NSE10	25x5	1.25	0.31	E	1	48	40	51	62	6.6	M6	74	14	10	42	10	10	–	0.08	12.3	22.5
	25x10	2.50	0.63	E	1	48	40	51	62	6.6	M6	74	14	20	55	10	16	–	0.08	13.2	25.3
	25x25	6.25	1.56	S	1	48	40	51	62	6.6	M6	74	14	50	35	10	9	8	0.08	16.7	32.2
	25x50	12.50	3.13	S	1	48	40	51	62	6.6	M6	74	14	100	58	10	10	10	0.08	15.4	31.7
NSE25	32x5	0.83	0.21	E	1	62	50	65	80	9.0	M6	82	15	10	55	12	10	–	0.08	21.5	49.3
	32x10	1.67	0.42	E	1	62	53	65	80	9.0	M6	82	15	20	69	12	16	–	0.08	33.4	54.5
	32x20	3.33	0.83	E	1	62	53	65	80	9.0	M8x1	82	15	40	80	12	16	–	0.08	29.7	59.8
	32x40	6.67	1.67	S	6x60°	(round)	53	68	80	7.0	M6	82	15	80	45	16	14	7.5	0.08	14.9	32.4
NSE50	40x5	0.71	0.18	E	2	70	63	78	93	9.0	M6	116	17	10	57	14	10	–	0.08	23.8	63.1
	40x10	1.43	0.36	E	2	70	63	78	93	9.0	M8x1	116	17	20	71	14	16	–	0.08	38.0	69.1
	40x20	2.86	0.71	E	2	70	63	78	93	9.0	M8x1	116	17	40	80	14	16	–	0.08	33.3	76.1
	40x40	5.71	1.43	S	2	(round)	63	78	93	9.0	M8x1	116	17	80	85	14	16	7.5	0.08	35.0	101.9
NSE100	50x10	1.25	0.31	E	2	85	75	93	110	11.0	M8x1	160	20	20	95	16	16	–	0.08	68.7	155.8
	50x20	2.50	0.63	E	2	95	85	103	125	11.0	M8x1	160	20	40	95	18	22	–	0.08	60.0	136.3

* Stroke per revolution (mm)