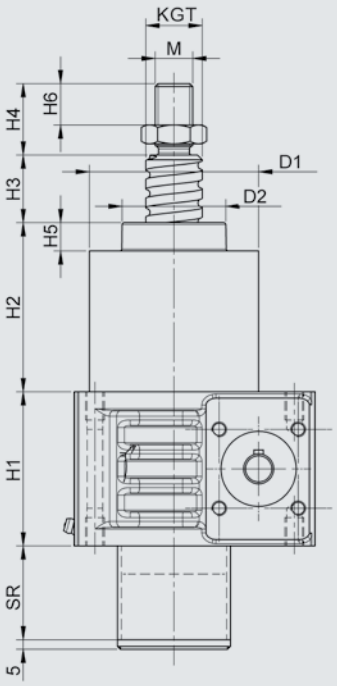
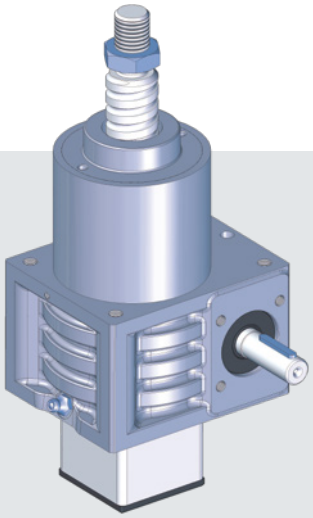
Ball screw (KGT) – Specifications

Screw jacks, non-rotating





Ordering example

Size	Version	Model
NSE10–	SL	– 25x10

Accuracy of pitch
0.05mm/300mm

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/chips, we recommend preferably 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.

Protection
The spindle nut must not be removed from the spindle. Screw out protection should be used with the S version.

System starting and braking
Especially with high pitches and large gearboxes we recommend the use of a frequency inverter for 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	SN*	SL*	D1	D2	H1	H2	H3 (min.)	H4	H5	H6	M	Axial play [max.]	Load rating [kN] dynamic	static
NSE5	16x05	1.25	0.31	55	40	62	66	10	29	12	19	M12	0.08	9.3	13.1
	16x10	2.50	0.63	55	40	62	66	20	29	12	19	M12	0.08	15.4	26.5
NSE10	25x05	1.25	0.31	70	45	74	76	10	32	14	20	M14	0.08	12.3	22.5
	25x10	2.50	0.63	70	45	74	76	20	32	14	20	M14	0.08	13.2	25.3
	25x25	6.25	1.56	70	45	74	76	50	32	14	20	M14	0.08	16.7	32.2
	25x50	12.50	3.13	70	45	74	76	100	32	14	20	M14	0.15	15.4	31.7
NSE25	32x05	0.83	0.21	90	55	82	90	10	38	15	22	M20	0.08	21.5	49.3
	32x10	1.67	0.42	90	55	82	90	20	38	15	22	M20	0.08	33.4	54.5
	32x20	3.33	0.83	90	55	82	90	40	38	15	22	M20	0.08	29.7	59.8
	32x40	6.67	1.67	90	55	82	90	80	38	15	22	M20	0.08	14.9	32.4
NSE50	40x05	0.71	0.18	130	72	116	84	10	53	19	29	M30	0.08	23.8	63.1
	40x10	1.43	0.36	130	72	116	84	20	53	19	29	M30	0.08	38.0	69.1
	40x20	2.86	0.72	130	72	116	84	40	53	19	29	M30	0.08	33.3	76.1
	40x40	5.71	1.43	130	72	116	84	80	53	19	29	M30	0.08	35.0	101.9
NSE100	50x10	1.11	0.28	150	90	160	92	20	76	22	48	M42x2	0.08	68.7	155.8
	50x20	2.22	0.56	150	90	160	92	40	76	22	48	M42x2	0.08	60.0	136.3

* Stroke per revolution (mm)