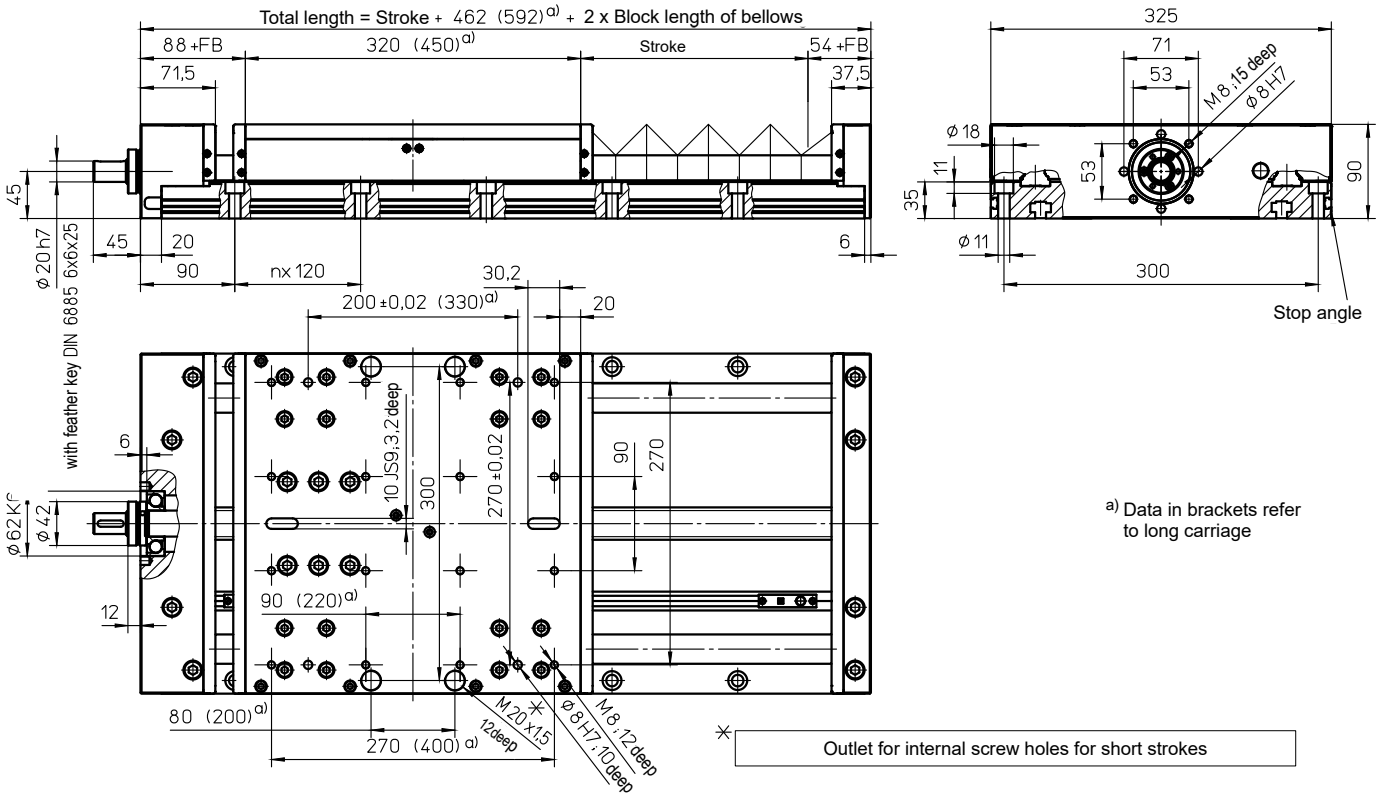


with ball screw (KGT) and double linear guide (SSS)



Weights

SSS

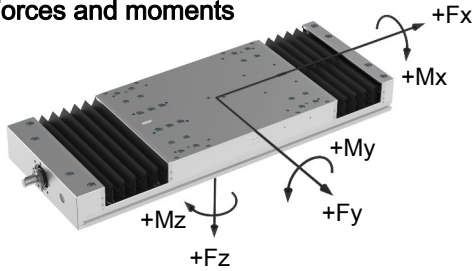
Basic length without stroke:	37.00 kg
100 mm stroke:	3.80 kg
Entire carriage 320 mm:	13.40 kg
Entire carriage 450 mm:	18.80 kg
Max. total length:	3000 mm

Technical Data

SSS

Max. total speed:	2.00 m/s
Max. acceleration:	20 m/s ²
Repeat accuracy:	± 0.03 mm (KGT)
Idle torque:	1.60 Nm

Forces and moments



Forces	SSS Dynamic [N]
F _x	12000 *
F _y	11000
F _z	95000
-F _z	63000
Moments	Dynamic [Nm]
M _x	6300
M _y	7500 (9500)
M _z	3750 (5000)

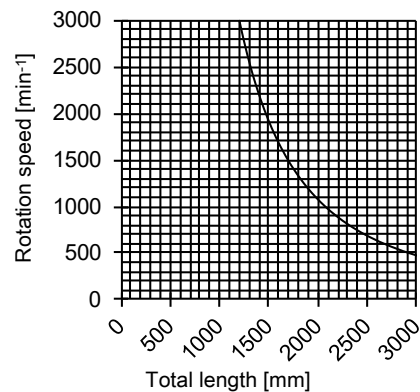
* For KGT 3240: 8000 N

Data in brackets refer to long carriage (450)

Drive element

KGT

Max. rotation speed:	3000 min ⁻¹
Diameter:	32 mm
Pitch:	5 / 10 / 20 / 40 mm
Moment of inertia:	6.39 • 10 ⁻⁴ kgm ² /m



Calculation of block length of bellows (FB)

Example for stroke of 500 mm:

Stroke / 42 = Number of pleats
 Number of pleats • 3 - 2 = Block length of bellows (FB)

500 mm / 42 = 11.90 => 12 pleats (rounded up)
 12 • 3 - 2 = 34 mm simple block length (FB)

* for KGT 3240: 8000 N