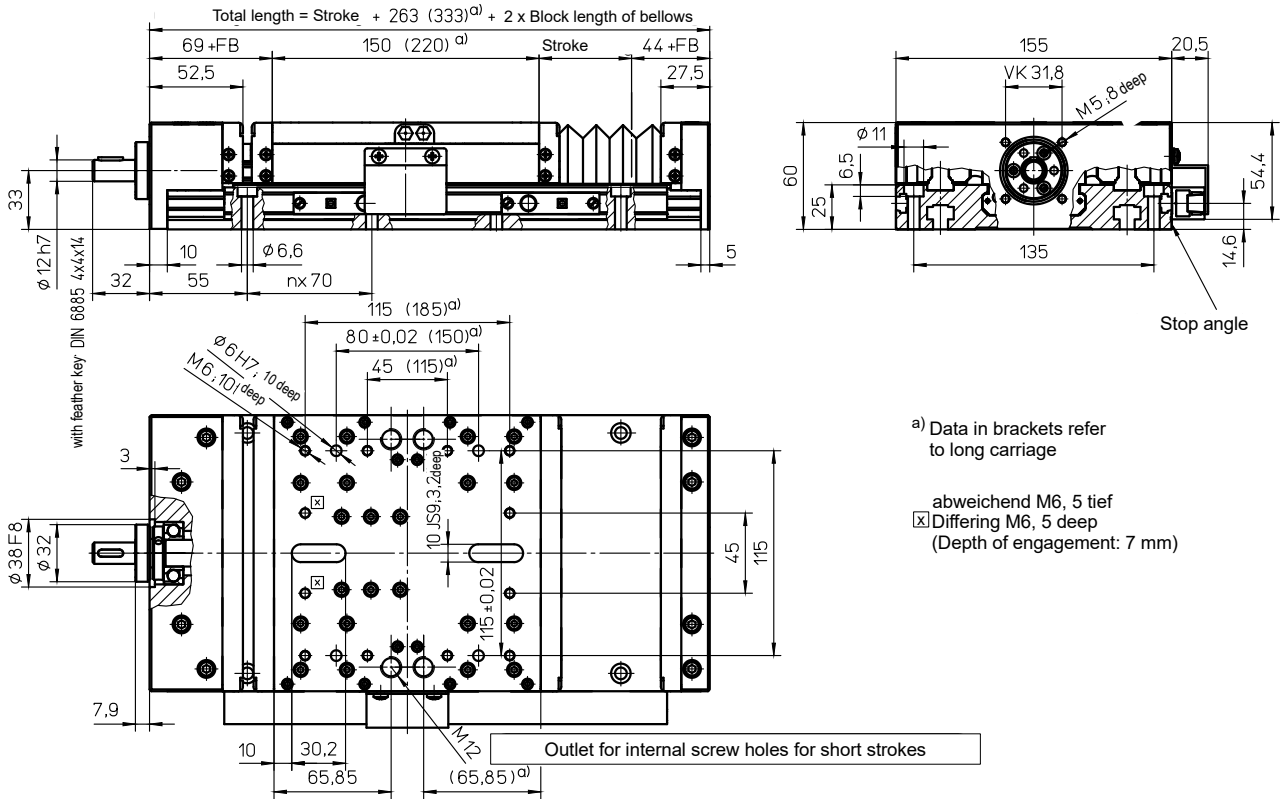
with ball screw (KGT) and double linear guide (SSS)



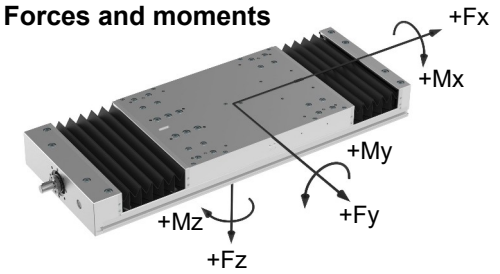
a) Data in brackets refer to long carriage

abweichend M6, 5 tief
[x] Differing M6, 5 deep
(Depth of engagement: 7 mm)

Weights	SSS
Basic length without stroke:	7.80 kg
100 mm stroke:	0.95 kg
Entire carriage 150 mm:	2.80 kg
Entire carriage 220 mm:	4.10 kg
Max. total length:	1500 mm

Technical Data	SSS
Max. total speed:	2.50 m/s
Max. acceleration:	20 m/s²
Repeat accuracy:	± 0.03 mm (KGT)
Idle torque:	0.35 Nm

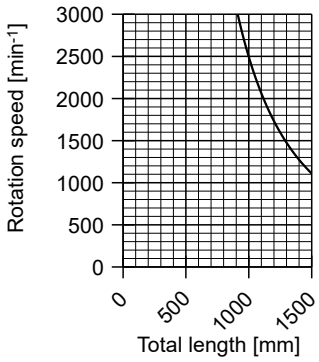
Forces and moments



Forces	Dynamic [N]
F_x	4000
F_Y	2000
F_Z	20000
$-F_Z$	15000
Moments	**Dynamic [Nm]**
M_X	1000
M_Y	900 (1300)
M_Z	400 (580)

Data in brackets refer to long carriage (220)

Drive element	KGT
Max. rotation speed:	3000 min^{-1}
Diameter:	20 mm
Pitch:	5 / 10 / 20 / 50 mm
Moment of inertia:	8.40 $\cdot 10^{-5}$ kgm²/m



Calculation of block length of bellows (FB)

Stroke / 22 = Number of pleats
Number of pleats · 3 – 2 = Block length of bellows (FB)

Example for stroke of 500 mm:

500 mm / 22 = 22.73 => **23** pleats (rounded up)
23 · 3 – 2 = **67** mm simple block length (FB)

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