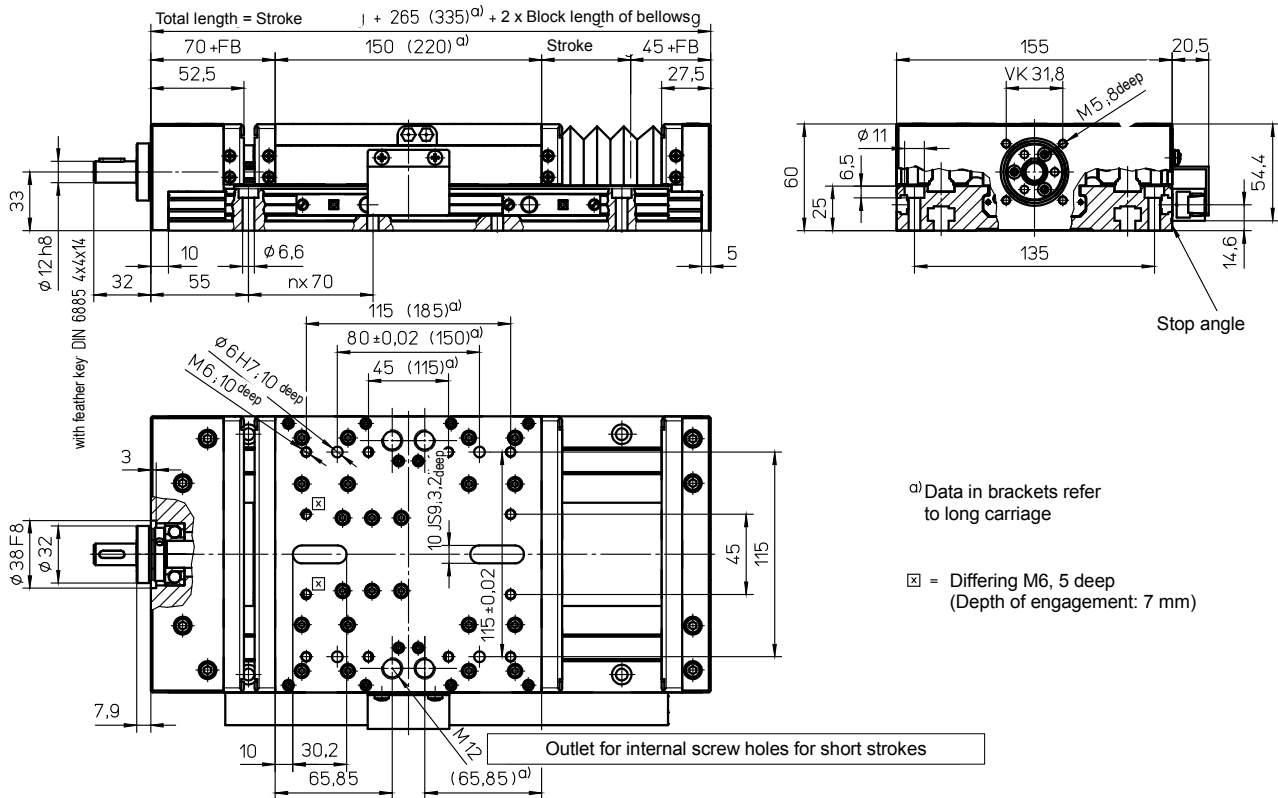


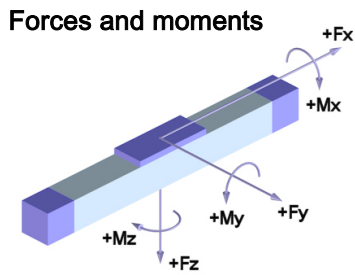
with ball screw (KGT) and double linear guide (SSS)



a) Data in brackets refer to long carriage
 ☒ = 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

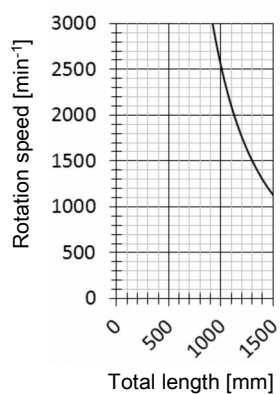
Technical Data	SSS
Max. total speed:	2.50 m/s
Max. acceleration:	20 m/s ²
Repeat accuracy:	± 0.03 mm (KGT)
Idle torque:	0.35 Nm



SSS	
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:	8.50 · 10 ⁻⁵ kgm ² /m



<p>Calculation of block length of bellows (FB)</p> <p>(Stroke + 17) / 19 = Number of pleats</p> <p>Number of pleats · 3.8 – 17 = Block length of bellows (FB)</p>	<p>Example for stroke of 550 mm:</p> <p>(550 mm + 17) / 19 = 29.84 => 30 pleats (rounded up)</p> <p>30 · 3.8 – 17 = 97 mm simple block length (FB)</p>
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