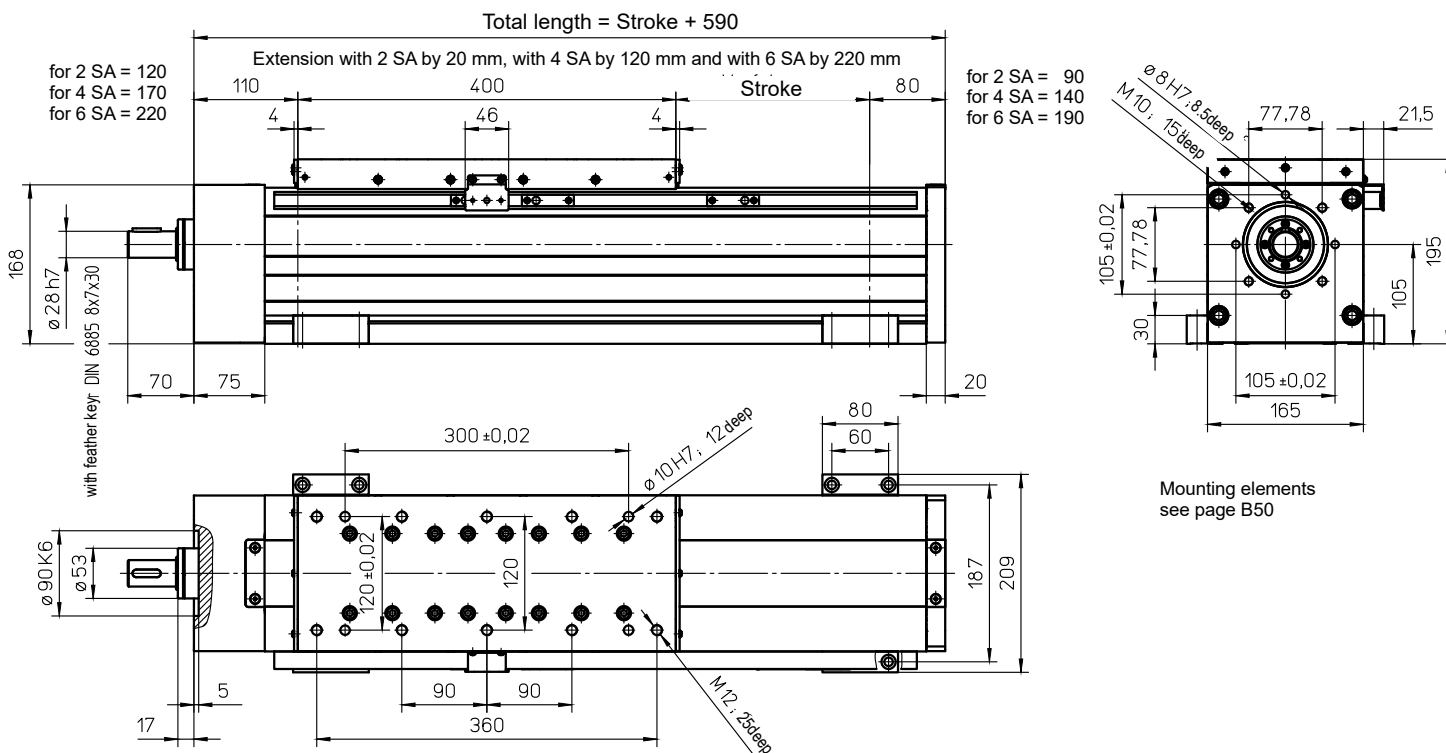


with ball screw (KGT) and sliding guide (SGV)



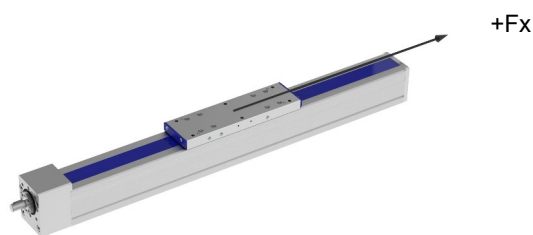
### Weights

	SGV
Basic length without stroke:	33.00 kg
100 mm stroke:	3.30 kg
Entire carriage 400 mm:	10.50 kg
Max. total length: (longer on request)	5600 mm

### Technical Data

	SGV
Max. speed:	2.00 m/s
Max. acceleration:	20 m/s <sup>2</sup>
Repeat accuracy:	± 0.03 mm (KGT)
Idle torque:	3.00 Nm

### Forces and moments



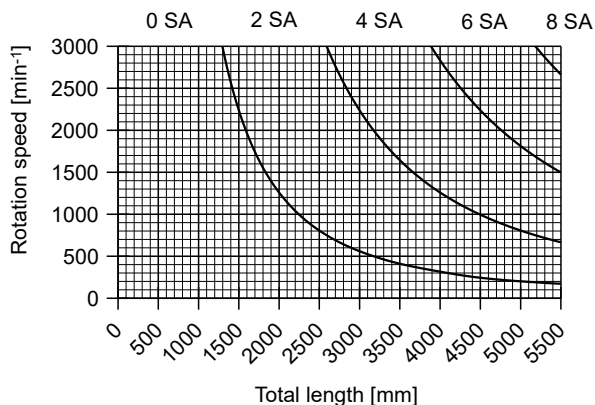
	SGV
<b>Forces</b>	Dynamic [N]
<b>F<sub>x</sub></b>	18000
<b>F<sub>y</sub></b>	-
<b>F<sub>z</sub></b>	-
<b>-F<sub>z</sub></b>	-
<b>Moments</b>	Dynamic [Nm]
<b>M<sub>x</sub></b>	-
<b>M<sub>y</sub></b>	-
<b>M<sub>z</sub></b>	-

"-" => Must have an external guide.

### Drive element

	KGT
Max. rotation speed:	3000 min <sup>-1</sup>
Diameter:	40 mm
Pitch:	5 / 10 / 20 / 40 mm
Moment of inertia:	1.34 · 10 <sup>-3</sup> kgm <sup>2</sup> /m

### Spindle support (SA)



Special design: Spindle support with damping ring (extension of total length: 10 mm for every 2 SA)  
Version with double nut ("MM") not possible.