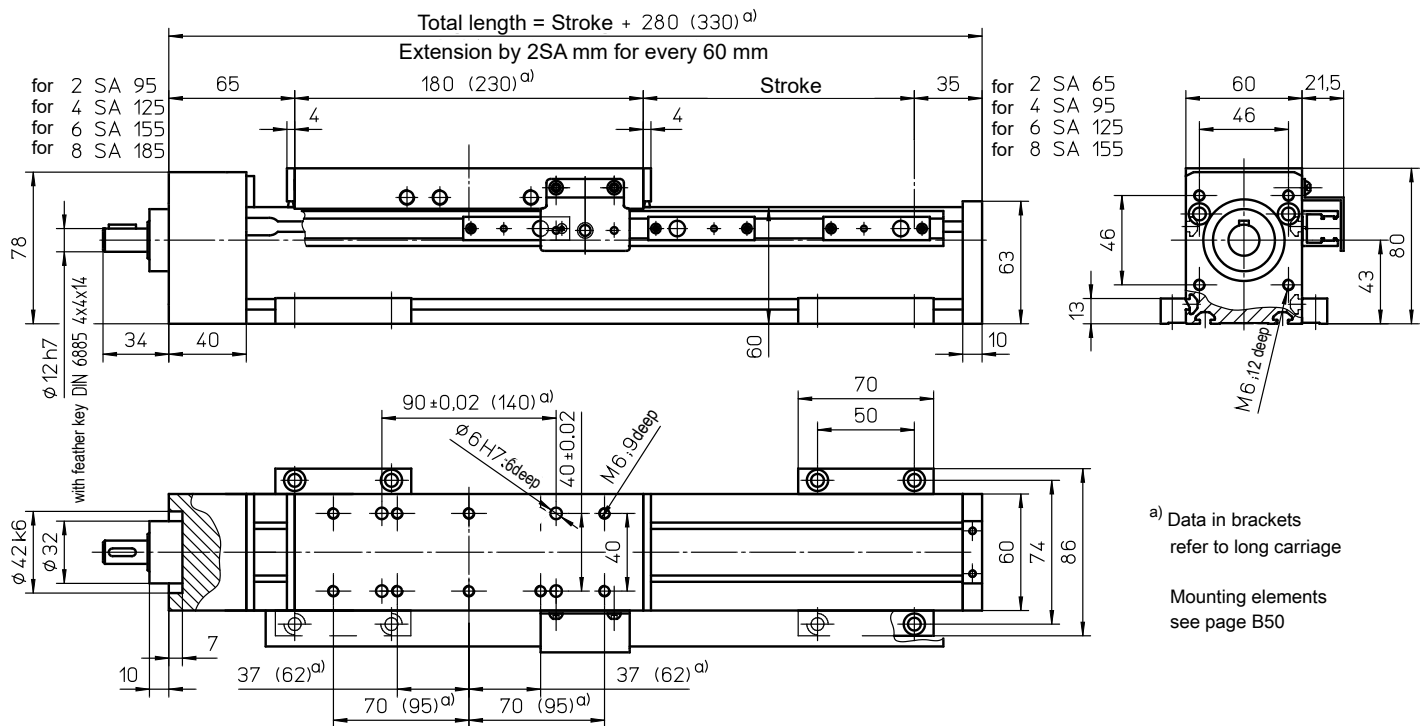


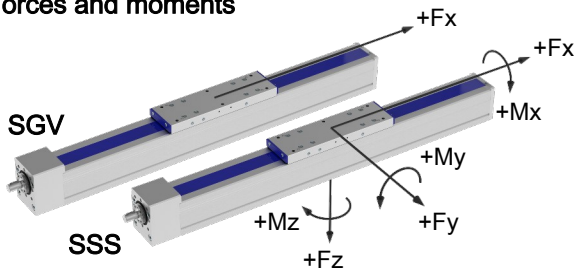
with ball screw (KGT) and sliding guide (SGV) or rail guide (SSS)



Weights	SGV	SSS
Basic length without stroke:	3.65 kg	4.30 kg
100 mm stroke:	0.65 kg	0.80 kg
Entire carriage 180 mm:	1.15 kg	1.50 kg
Entire carriage 230 mm:	-	1.80 kg

Max. total length: 5500 mm  
(longer on request)

### Forces and moments



	SGV	SSS
<b>Forces</b>	Dynamic [N]	
<b>F<sub>x</sub></b>	4000	
<b>F<sub>y</sub></b>	-	600
<b>F<sub>z</sub></b>	-	1800
<b>-F<sub>z</sub></b>	-	1200
<b>Moments</b>	Dynamic [Nm]	
<b>M<sub>x</sub></b>	-	60
<b>M<sub>y</sub></b>	-	180 (220)
<b>M<sub>z</sub></b>	-	120 (150)

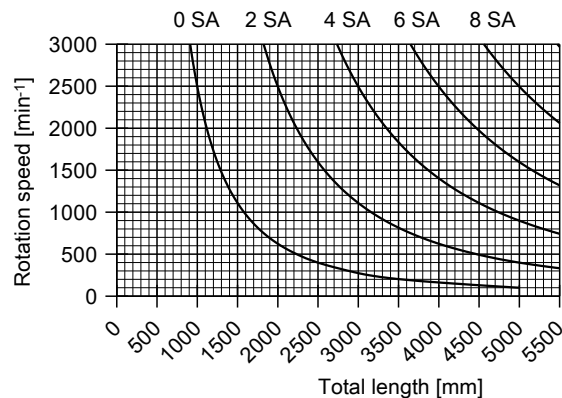
"-" => Must have an external guide.  
Data in brackets refer to long carriage (230)

Technical Data	SGV	SSS
Max. speed:	2.50 m/s	
Max. acceleration:	20 m/s <sup>2</sup>	
Repeat accuracy:	± 0.03 mm (KGT)	
Idle torque:	0.70 Nm	

### Drive element

	KGT
Max. rotation speed:	3000 min <sup>-1</sup>
Diameter:	20 mm
Pitch:	5 / 10 / 20 / 50 mm
Moment of inertia:	8.40 • 10 <sup>-5</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)  
Design with double nut („MM“) is only available with carriage plate 230 mm and pitch „5“, „10“ oder „20“.  
Design with single nut („M“) and pitch „50“ is only available with carriage plate 230 mm.