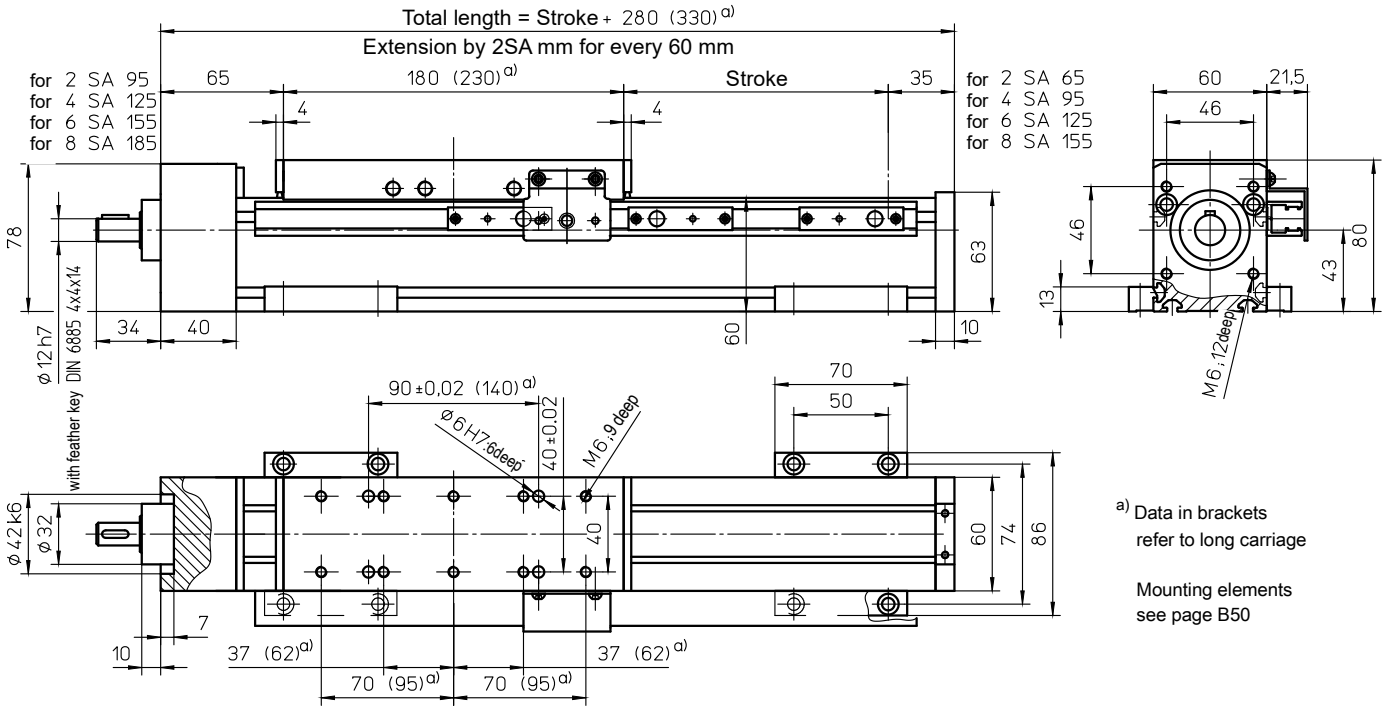
with ball screw (KGT) and sliding guide (SGV) or rail guide (SSS)



a) Data in brackets refer to long carriage

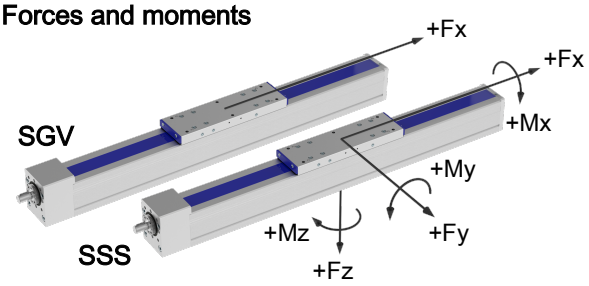
Mounting elements see page B50

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)

Technical Data	SGV	SSS
Max. speed:	2.50 m/s	
Max. acceleration:	20 m/s²	
Repeat accuracy:	± 0.03 mm (KGT)	
Idle torque:	0.70 Nm	

Forces and moments

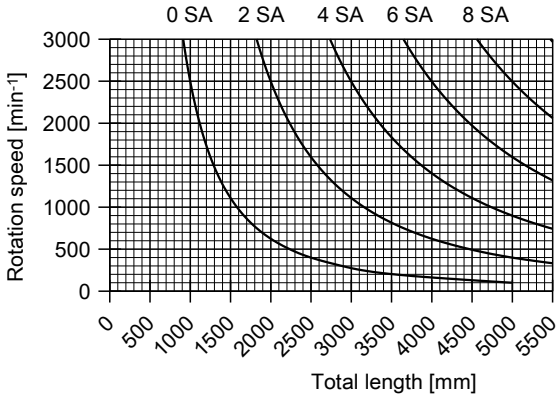


	SGV	SSS
Forces	Dynamic [N]	
F_x	4000	
F_Y	-	600
F_Z	-	1800
$-F_Z$	-	1200
Moments	Dynamic [Nm]	
M_X	-	60
M_Y	-	180 (220)
M_Z	-	120 (150)

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

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} kgm²/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.

Release: 15.06.2021