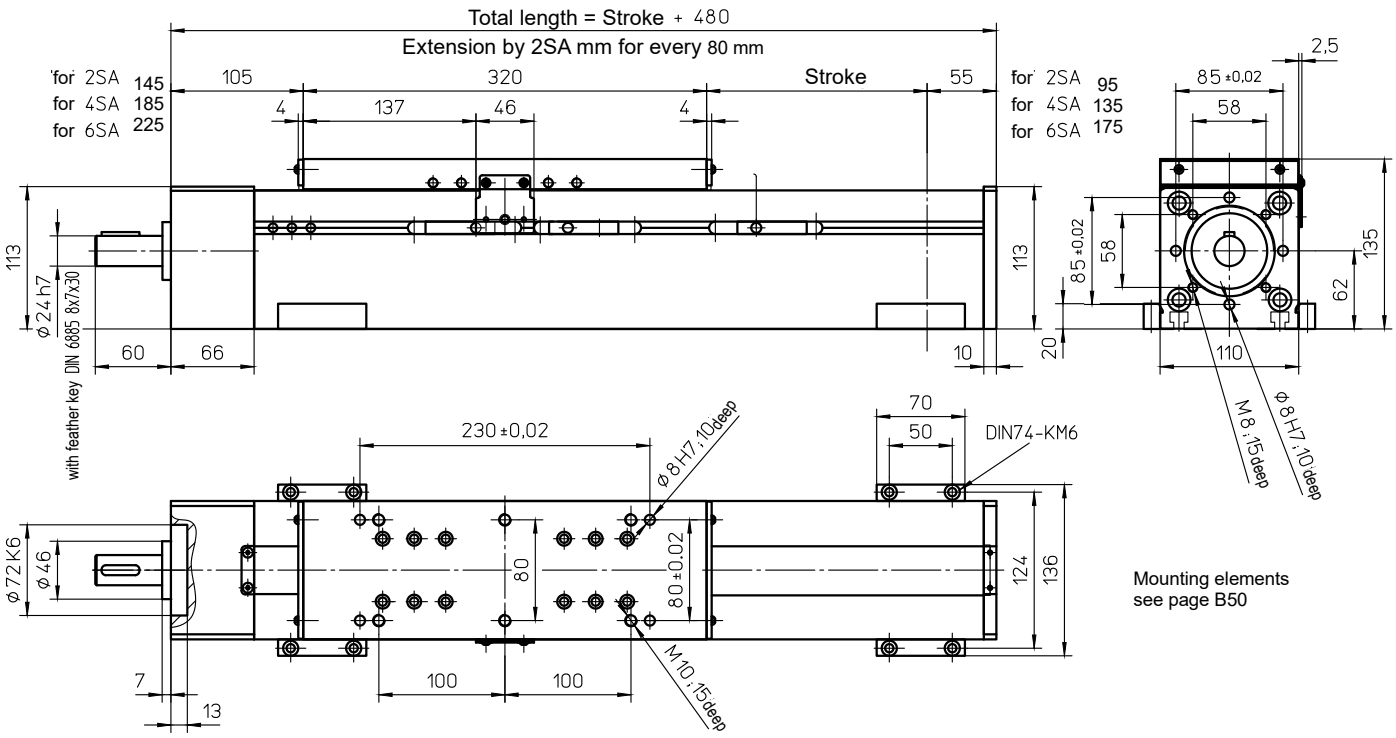
with ball screw (KGT) and sliding guide (SGV)

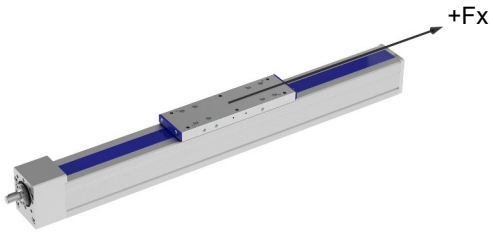


Mounting elements
see page B50

Weights	SGV
Basic length without stroke:	15.40 kg
100 mm stroke:	2.25 kg
Entire carriage 320 mm:	6.00 kg
Max. total length:	5600 mm

Technical Data	SGV
Max. speed:	3.0 m/s
Max. acceleration:	20 m/s²
Repeat accuracy:	± 0.03 mm (KGT)
Idle torque:	1.50 Nm

Forces and moments



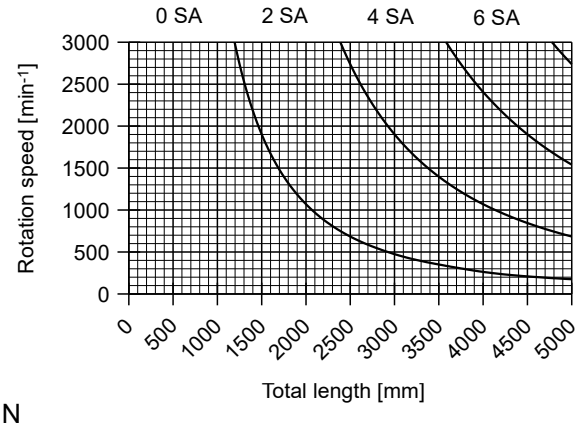
	SGV
Forces	Dynamic [N]
F_x	16000*
F_Y	-
F_Z	-
$-F_Z$	-
Moments	Dynamic [Nm]
M_X	-
M_Y	-
M_Z	-

“ -” => Must have an external guide.

Drive element	KGT
Max. rotation speed:	3000 min^{-1}
Diameter:	32 / 40 mm
Pitch:	5 / 10 / 20 / 40 / 60* mm
Moment of inertia:	6.39 $\cdot 10^{-4}$ kgm²/m (32)
	1.34 $\cdot 10^{-3}$ kgm²/m (40)

* only ø32

Spindle support (SA)



* for KGT size 32: 12000 N / for 3240 and 3260: 8000 N

Special design: Spindle support with damping ring (extension of total length: 10 mm for every 2 SA)

Only single nut design (“M”) possible.

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