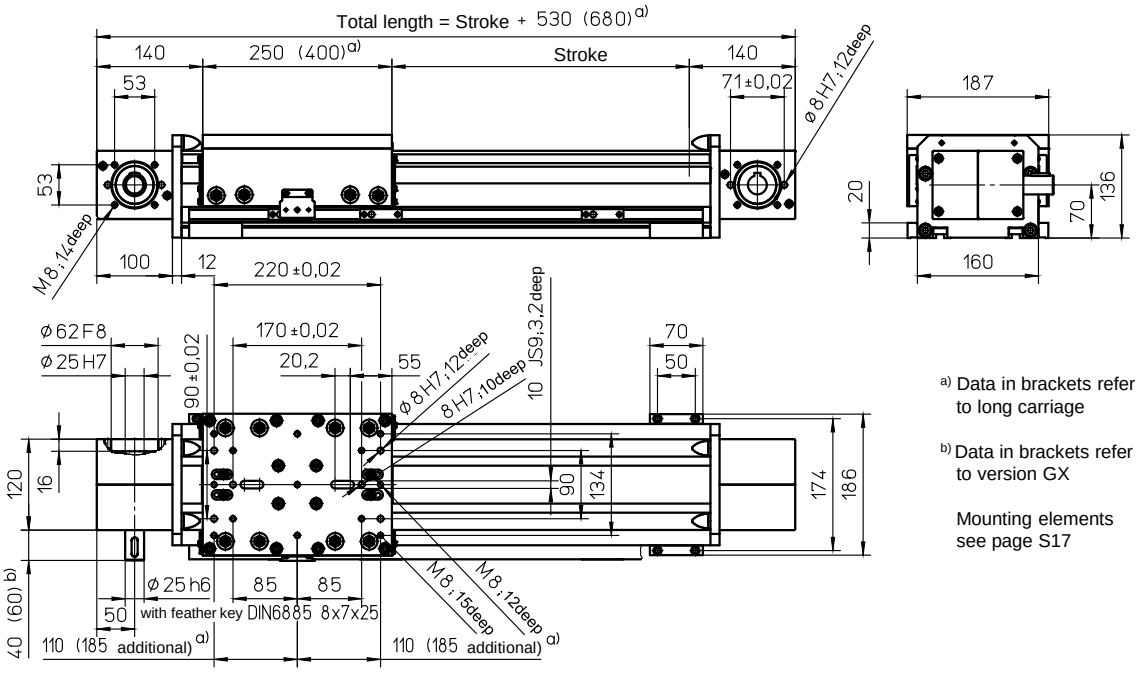
with toothed belt drive and roller guide (ZRS)



a) Data in brackets refer to long carriage

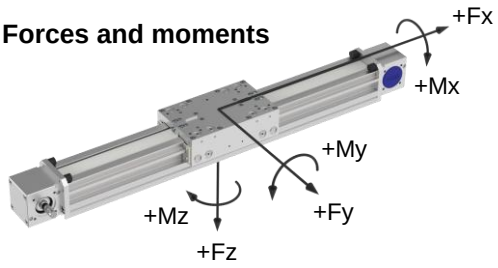
b) Data in brackets refer to version GX

Mounting elements see page S17

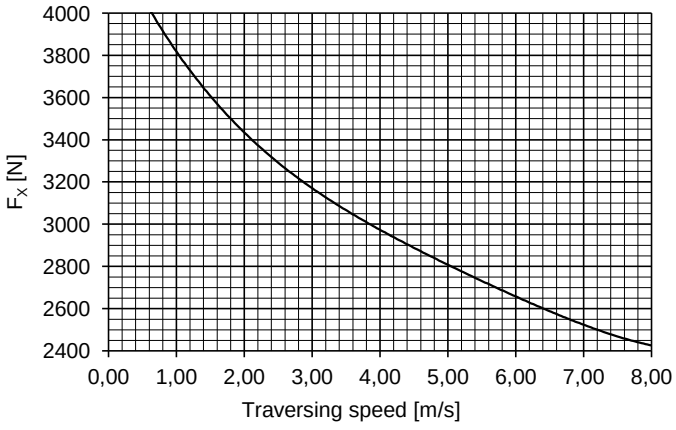
Weights	**ZRS**
Basic length without stroke:	17.65 kg
100 mm stroke:	1.67 kg
Entire carriage 250 mm:	5.95 kg
Entire carriage 400 mm:	8.75 kg
Max. total length: (longer on request)	6100 mm

Technical Data	**ZRS**
Max. speed:	8.00 m/s
Max. acceleration:	60 m/s²
Repeat accuracy:	± 0.08 mm
Idle torque:	4.00 Nm
Moment of inertia (rotatory):	7.50 ·10^{-3} kgm²
Drive element:	Toothed belt **50 ATL10**
Stroke per revolution:	240 mm

Forces and moments



	ZRS
Forces	Dynamic [N]
F_x c)	4000
F_y	4500
F_z	6000
$-F_z$	4000
Moments	Dynamic [Nm]
M_x	500
M_y	700 (1000)
M_z	700 (1000)

c) Maximum value (see „F_X-v-Diagram“)
Data in brackets refer to long carriage (400)

F_x-v-Diagram