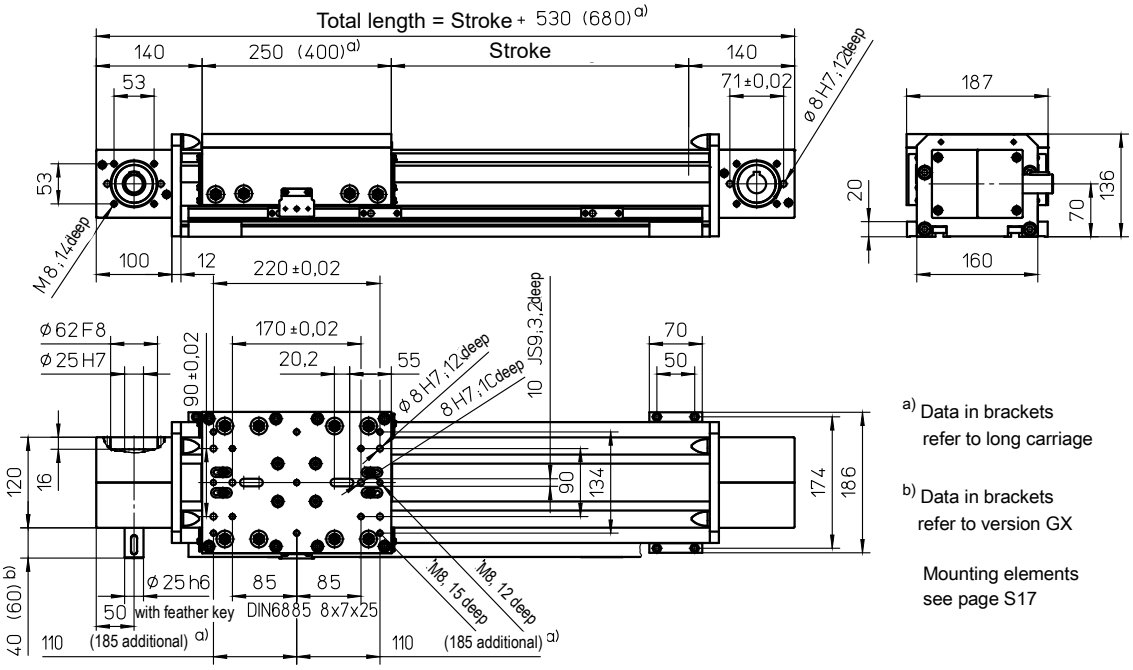
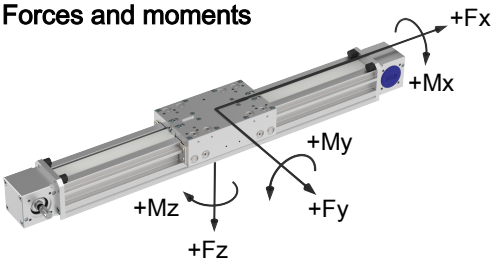
with toothed belt drive and roller guide (ZRS)



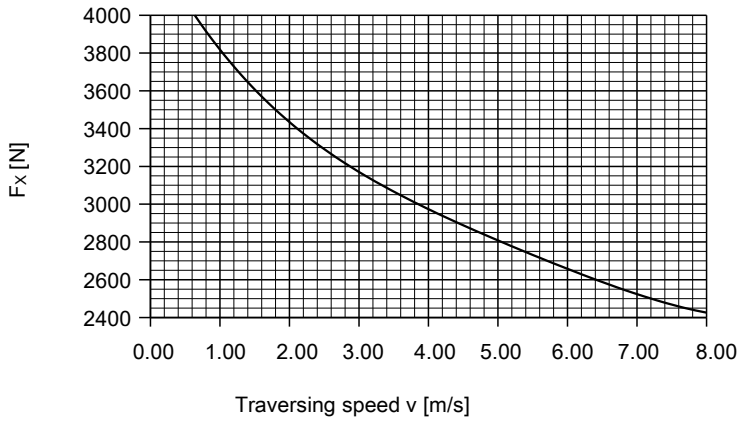
Weights	ZRS
Basic length without stroke:	17.65 kg
100 mm stroke:	1.67 kg
Entire carriage 250:	5.95 kg
Entire carriage 400 mm:	8.75 kg
Max. total length: (longer on request)	6100 mm

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:	1.23 •10^{-2} 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 diagram „Fx-v-Diagram“)
Data in brackets refer to long carriage (400)

Fx - v - Diagram