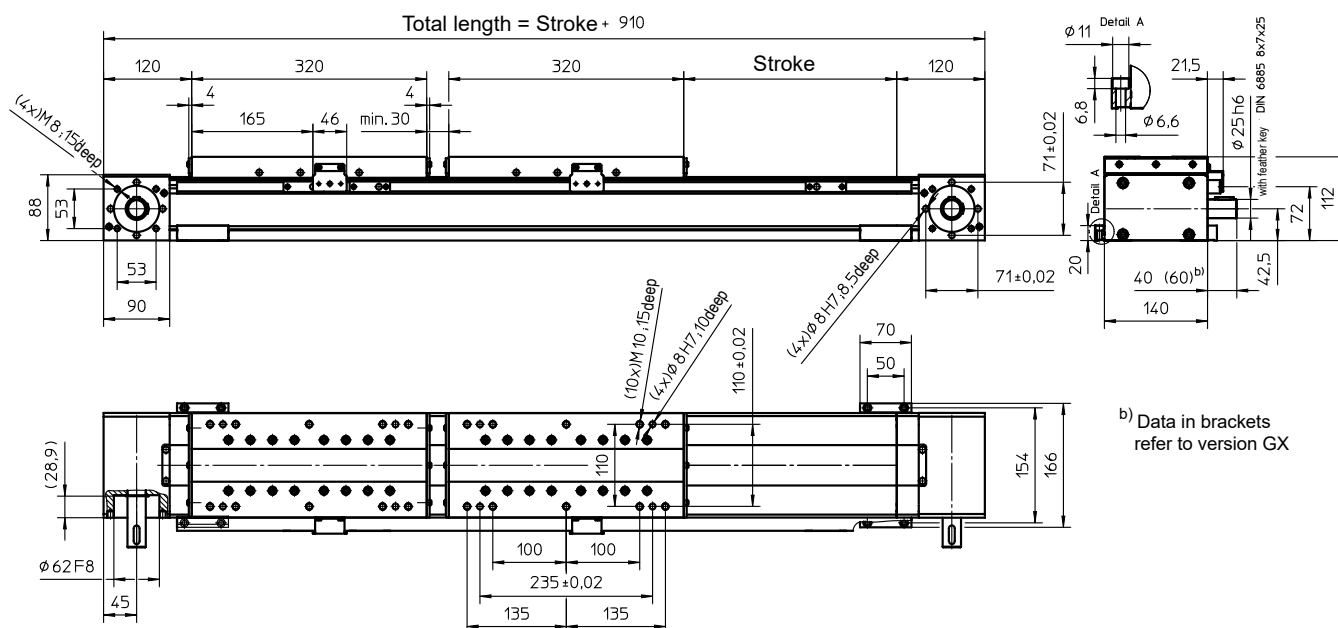


with toothed belt drive and roller guide as well as second, independently movable carriage



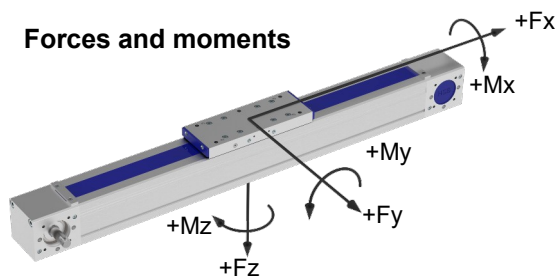
Weights **ZRSD**

Basic length without stroke:	19.20 kg
100 mm stroke:	1.30 kg
Carriage drive 320 mm:	6.30 kg
Max. total length: (longer on request)	4000 mm

Technical Data **ZRSD**

Max. speed:	8.00 m/s
Max. acceleration:	60 m/s ²
Repeat accuracy:	±0.08 mm
Idle torque:	2.85 Nm
Moment of inertia:	5.55 · 10 ⁻³ kgm ²
Drive element:	Toothed belt 16 AT10
Stroke per revolution:	180 mm

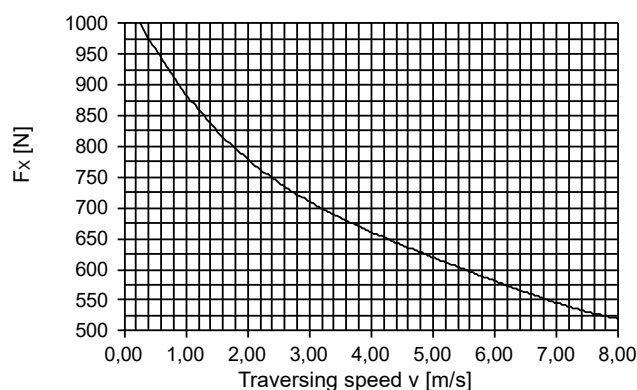
Forces and moments



	ZRSD
Forces	Dynamic [N]
F_x^{d)}	1000
F_y	2500
F_z	5000
-F_z	3000
Moments	Dynamic [Nm]
M_x	350
M_y	700
M_z	500

^{d)} Maximum value (see diagram "F_x-v-Diagram")

F_x - v - Diagram



For mechanical linear drives with roller guide,
the static load rating "C_{stat}" (page TL11) applies for static loads.