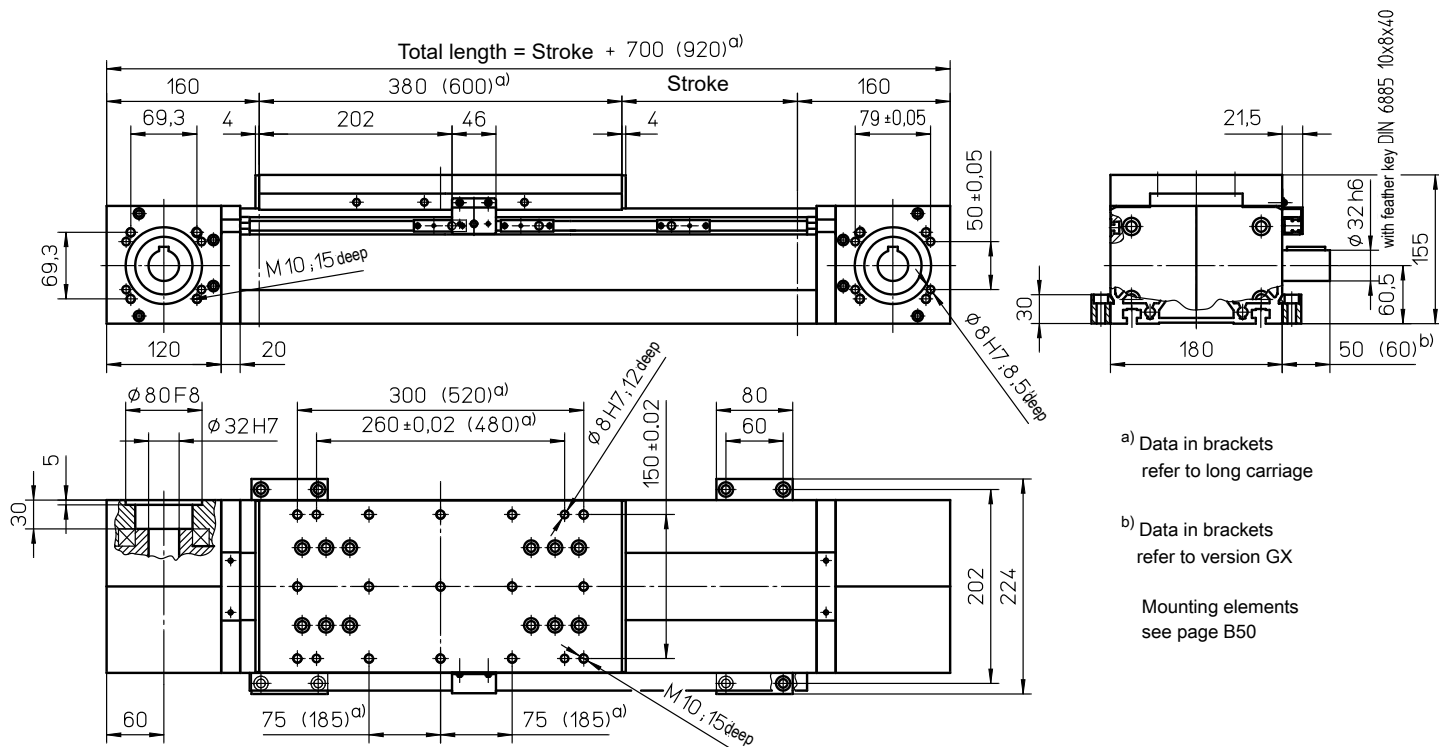


with toothed belt drive and double linear guide (ZSS)



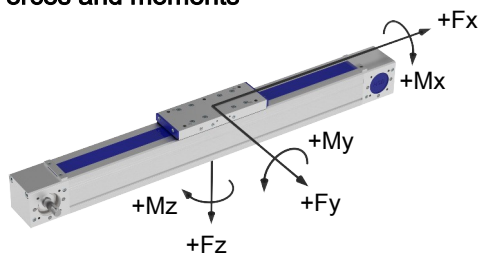
Weights ZSS

Basic length without stroke:	37.70 kg
100 mm stroke:	2.40 kg
Entire carriage 380 mm:	11.20 kg
Entire carriage 600 mm:	15.70 kg
Max. total length: (longer on request)	6200 mm

Technical Data ZSS

Max. speed:	5.00 m/s
Max. acceleration:	60 m/s ²
Repeat accuracy:	± 0.08 mm
Idle torque:	8.00 Nm
Moment of inertia:	5.60 · 10 ⁻² kgm ²
Drive element:	Toothed belt 75 AT10
Stroke per revolution:	320 mm

Forces and moments



ZSS	
Forces	Dynamic [N]
F_x^{d)}	6000
F_y	6000
F_z	12000
-F_z	6000
Moments	Dynamic [Nm]
M_x	1500
M_y	3000 (4000)
M_z	1500 (2000)

^{d)} Maximum value (see diagram "F_x-v-Diagram")
Data in brackets refer to long carriage plate (600)

F_x - v - Diagram

