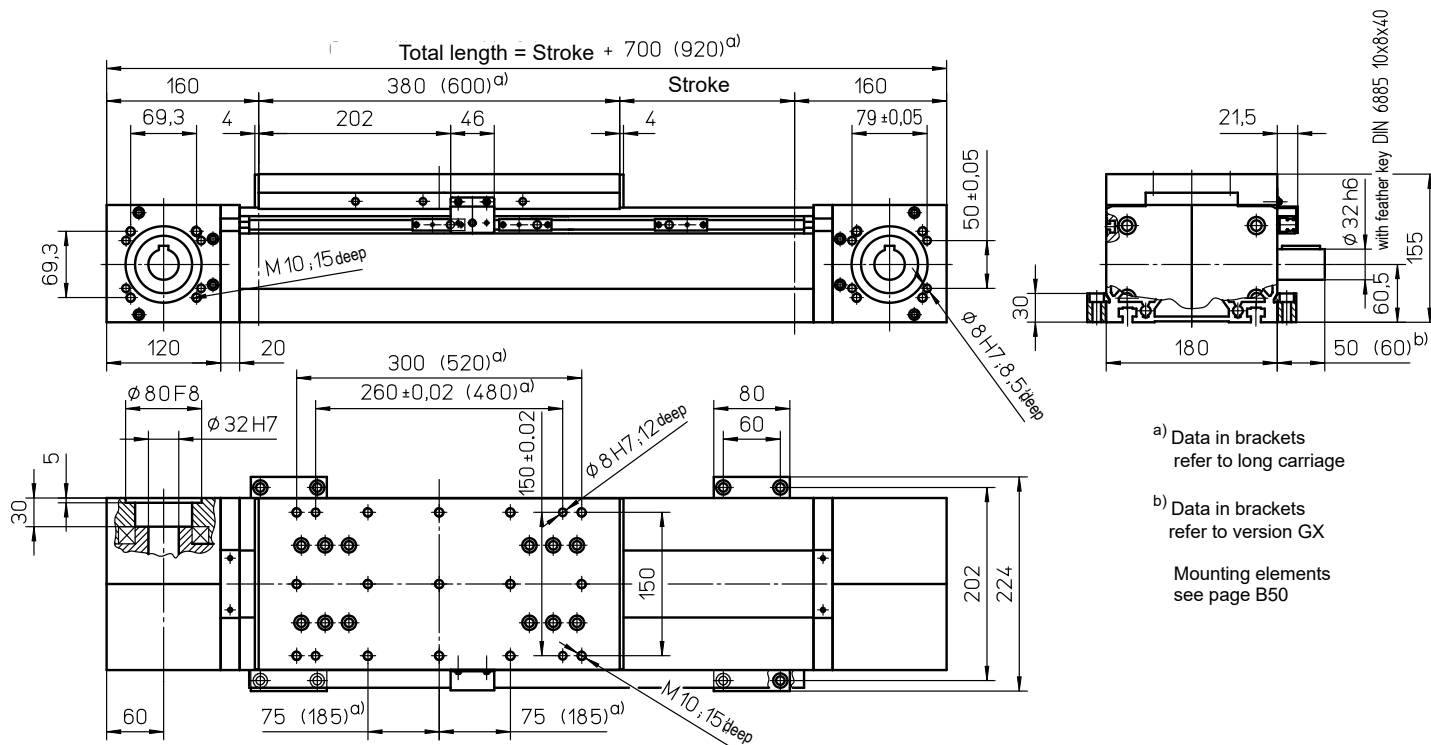


with toothed belt drive and double linear guide (ZSS)



Weights

ZSS

Basic length without stroke:	39.70 kg
100 mm stroke:	2.60 kg
Entire carriage 380 mm:	14.65 kg
Entire carriage 600 mm:	15.75 kg

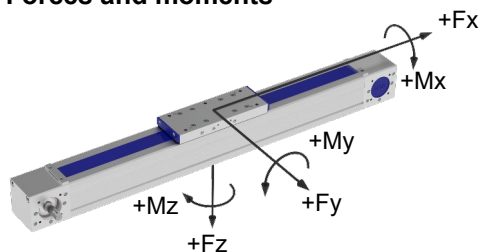
Max. total length: 7200 mm
(longer on request)

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:	4.65 · 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	8000
F_z	15000
$-F_z$	8000
Moments	Dynamic [Nm]
M_x	1800
M_y	3600 (4800)
M_z	1800 (2400)

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

F_x - v - Diagram

