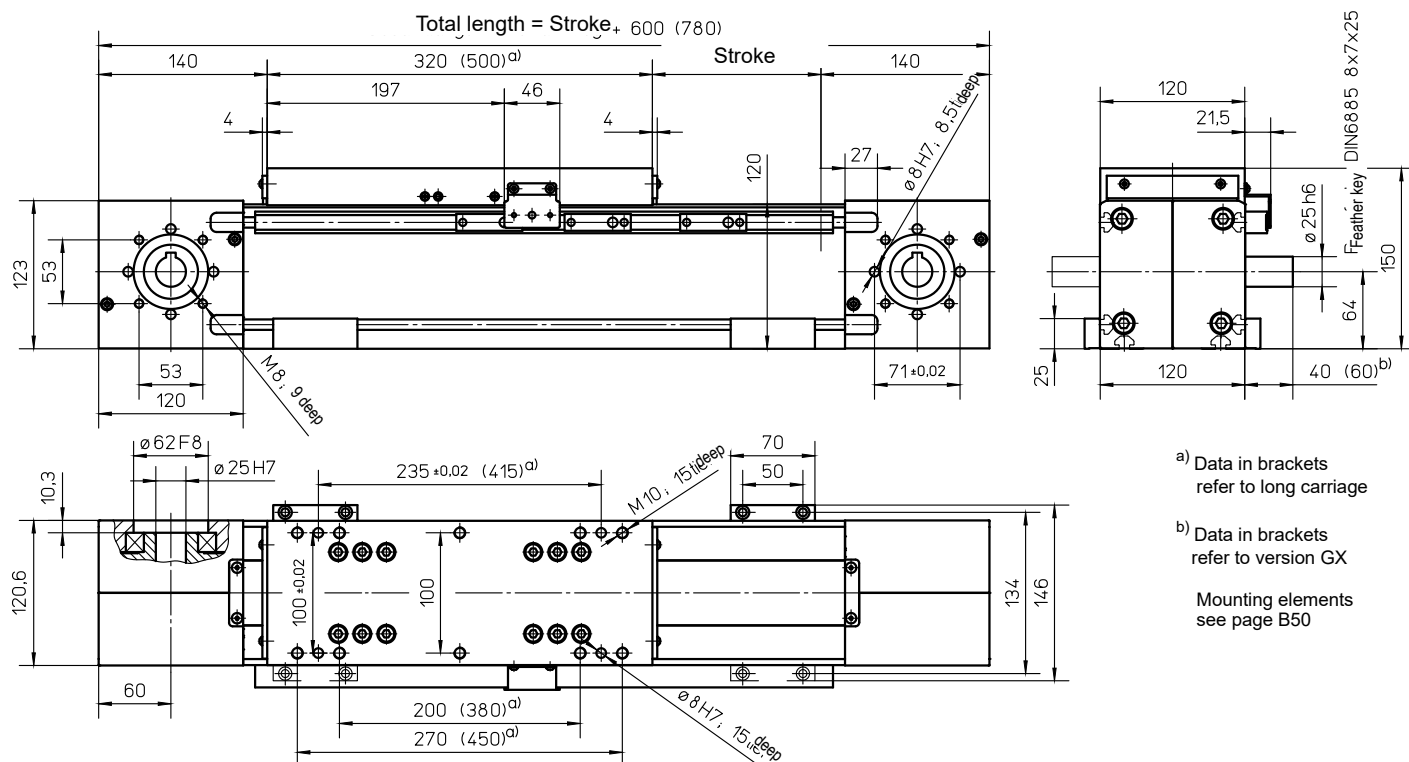


with toothed belt drive and rail guide (ZSS)



Weights

ZSS

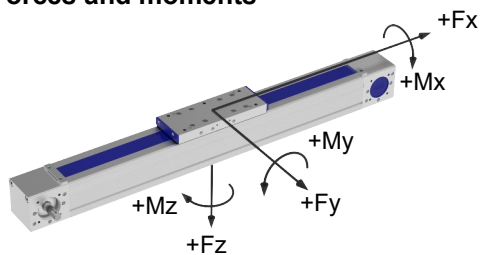
Basic length without stroke:	21.0 kg
100 mm stroke:	2.40 kg
Entire carriage 320 mm:	8.00 kg
Entire carriage 500 mm:	12.00 kg
Max. total length: (longer on request)	8100 mm

Technical Data

ZSS

Max. speed:	5.00 m/s
Max. acceleration:	60 m/s ²
Repeat accuracy:	± 0.08 mm
Idle torque:	4.50 Nm
Moment of inertia:	2.10 · 10 ⁻² kgm ²
Drive element:	Toothed belt 60 ATL10
Stroke per revolution:	300 mm

Forces and moments



	ZSS
Forces	Dynamic [N]
F_x^d	4800
F_y	4000
F_z	12000
-F_z	6000
Moments	Dynamic [Nm]
M_x	600
M_y	1500 (2800)
M_z	1000 (1800)

d) Maximum value (see diagram "F_x-v-Diagram")
Data in brackets refer to long carriage plate (500)

$F_x - v$ - Diagram

