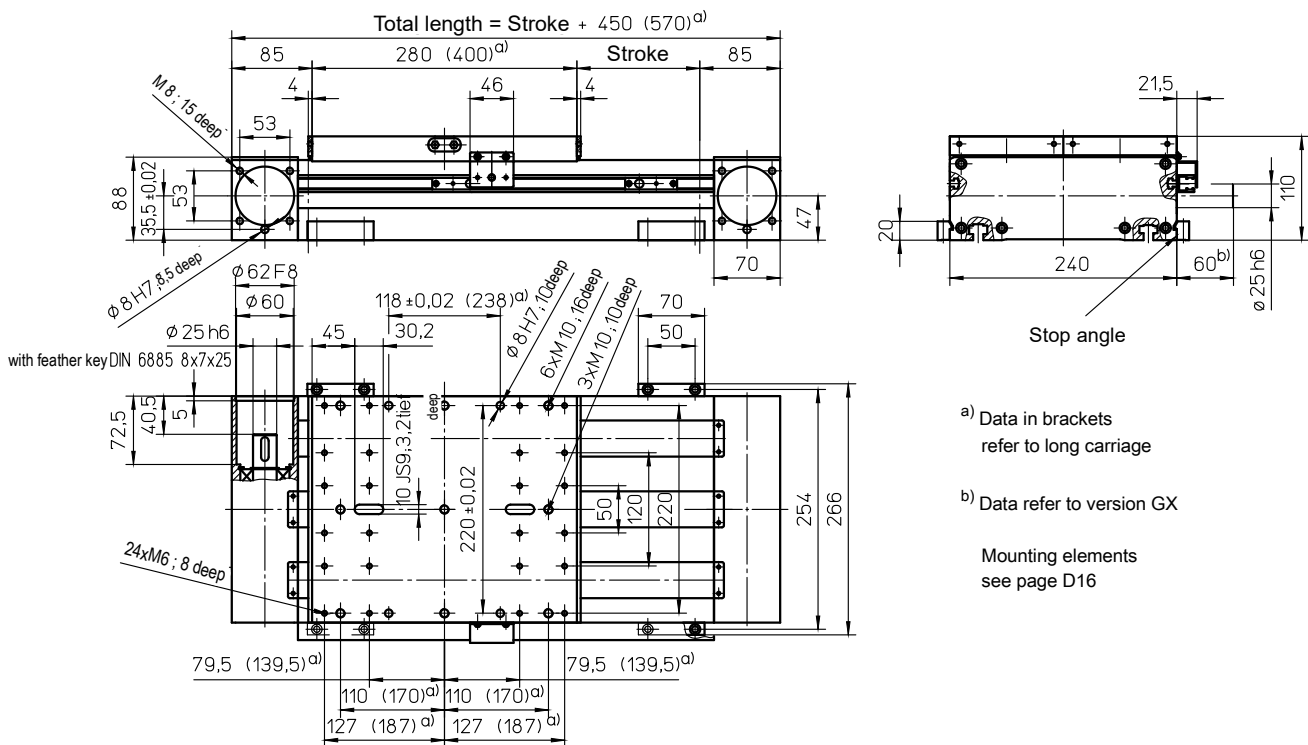


with toothed belt drive and double linear guide (ZSS)



Weights

ZSS

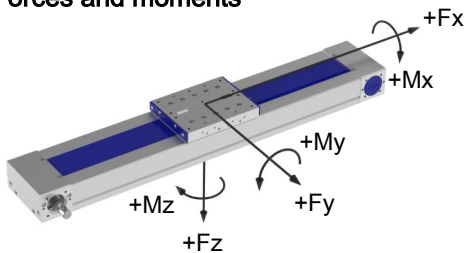
Basic length without stroke:	27.00 kg
100 mm stroke:	3.40 kg
Entire carriage 280 mm:	9.80 kg
Entire carriage 400 mm:	14.00 kg
Max. total length:	3000 mm

Technical Data

ZSS

Max. total speed:	5.00 m/s
Max. acceleration:	60 m/s ²
Repeat accuracy:	± 0.08 mm
Idle torque:	5.50 Nm
Moment of inertia:	2.00 · 10 ⁻² kgm ²
Drive element:	Toothed belt 50 AT10-E
Stroke per revolution:	150 mm

Forces and moments



ZSS	
Forces	Dynamic [N]
F_x^{d)}	2500
F_y	6000
F_z	12000
-F_z	8000
Moments	Dynamic [Nm]
M_x	4500
M_y	6000 (8500)
M_z	4500 (6400)

^{d)} Maximum value (see diagram "F_x -v-Diagram")
Data in brackets refers to long carriage (400)

F_x - v - Diagram

