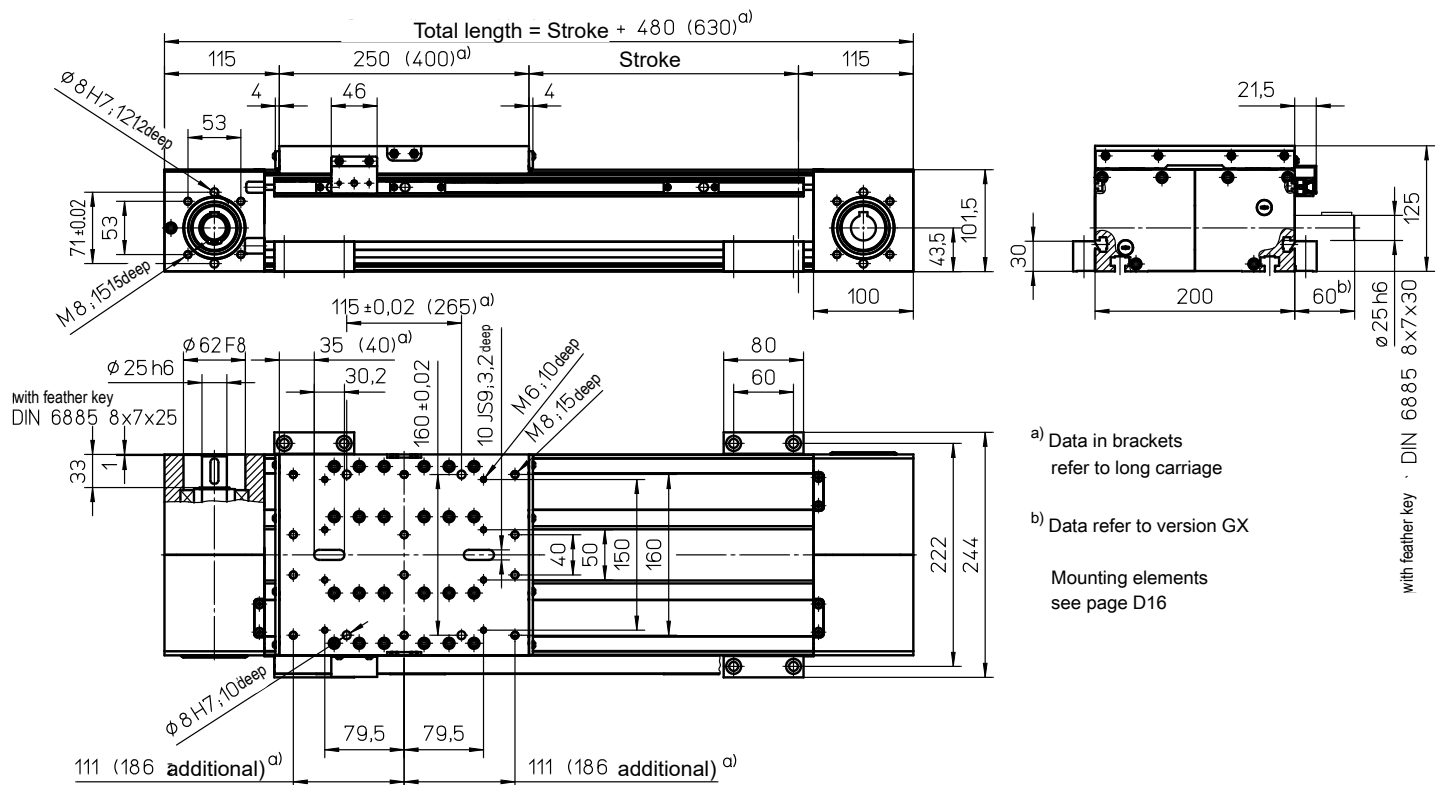


with toothed belt drive and double linear guide (ZSS)



Weights

ZSS

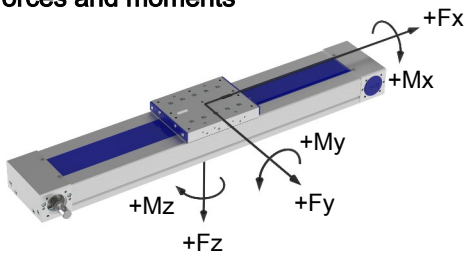
Basic length without stroke:	25.00 kg
100 mm stroke:	2.00 kg
Entire carriage 250 mm:	8.20 kg
Entire carriage 400 mm:	10.50 kg
Max. total length:	2000 mm

Technical Data

ZSS

Max. total speed:	5.00 m/s
Max. acceleration:	60 m/s ²
Repeat accuracy:	± 0.08 mm
Idle torque:	6.80 Nm
Moment of inertia:	1.20 · 10 ⁻² kgm ²
Drive element:	Toothed belt 75 AT10
Stroke per revolution:	220 mm

Forces and moments



Forces	ZSS
	Dynamic [N]
F _x ^{d)}	6000
F _y	5000
F _z	8000
-F _z	5000
Moments	Dynamic [Nm]
M _x	3500
M _y	4300 (6000)
M _z	3200 (4500)

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

F_x - v - Diagram

