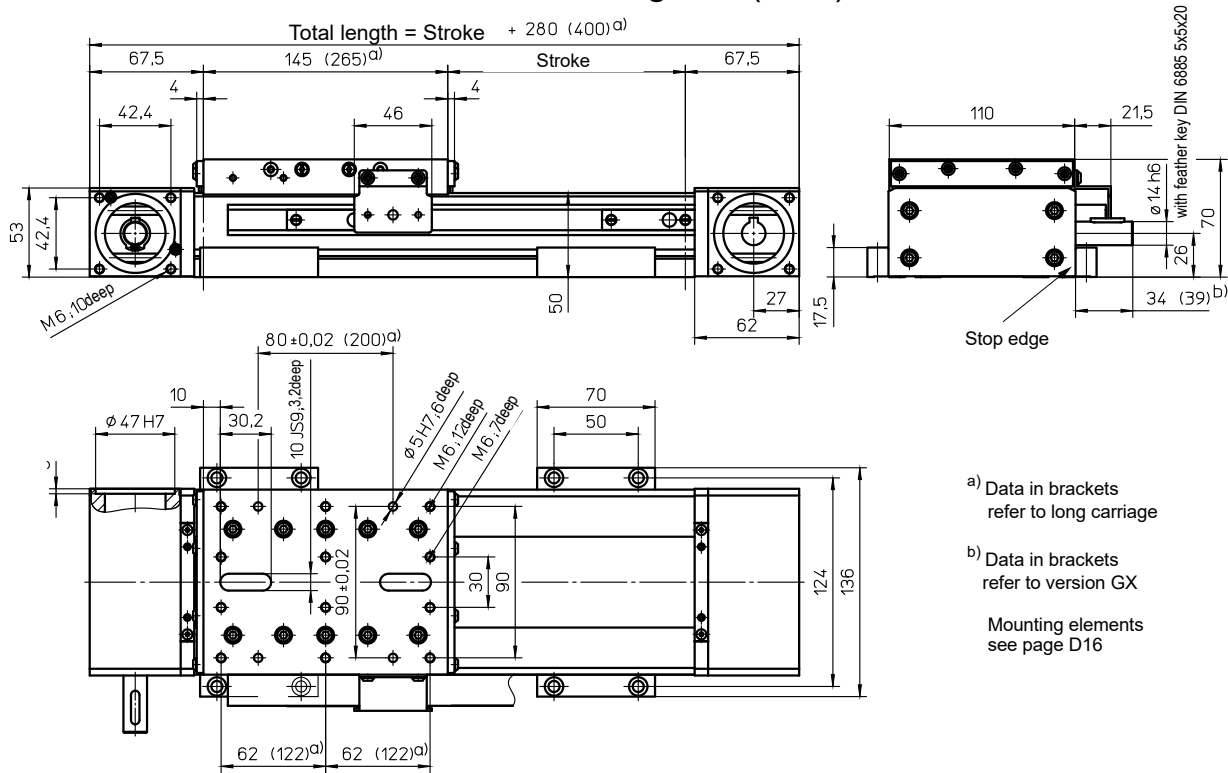


with toothed belt drive and double linear guide (ZSS)



a) Data in brackets refer to long carriage

b) Data in brackets refer to version GX

Mounting elements see page D16

Weights

ZSS

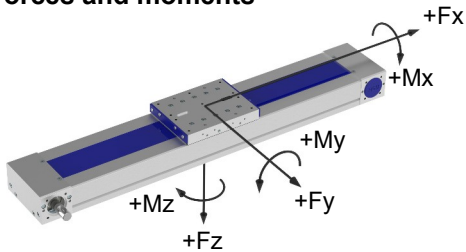
Basic length without stroke:	5.10 kg
100 mm stroke:	0.80 kg
Entire carriage 145 mm:	2.20 kg
Entire carriage 265 mm:	3.15 kg
Max. total length:	8100 mm

Technical Data

ZSS

Max. total speed:	5.00 m/s
Max. acceleration:	40 m/s ²
Repeat accuracy:	± 0.08 mm
Idle torque:	2.0 Nm
Moment of inertia:	7.60 · 10 ⁻⁴ kgm ²
Drive element:	Toothed belt 50 AT5-E
Stroke per revolution:	110 mm

Forces and moments



ZSS	
Forces	Dynamic [N]
F_x^d	1100
F_y	1200
F_z	3000
$-F_z$	1500
Moments	Dynamic [Nm]
M_x	500
M_y	550 (1000)
M_z	550 (1000)

^{d)} Maximum value (see diagram "Fx - v-Diagram")
Data in brackets refer to long carriage (265)

Fx - v - Diagram

