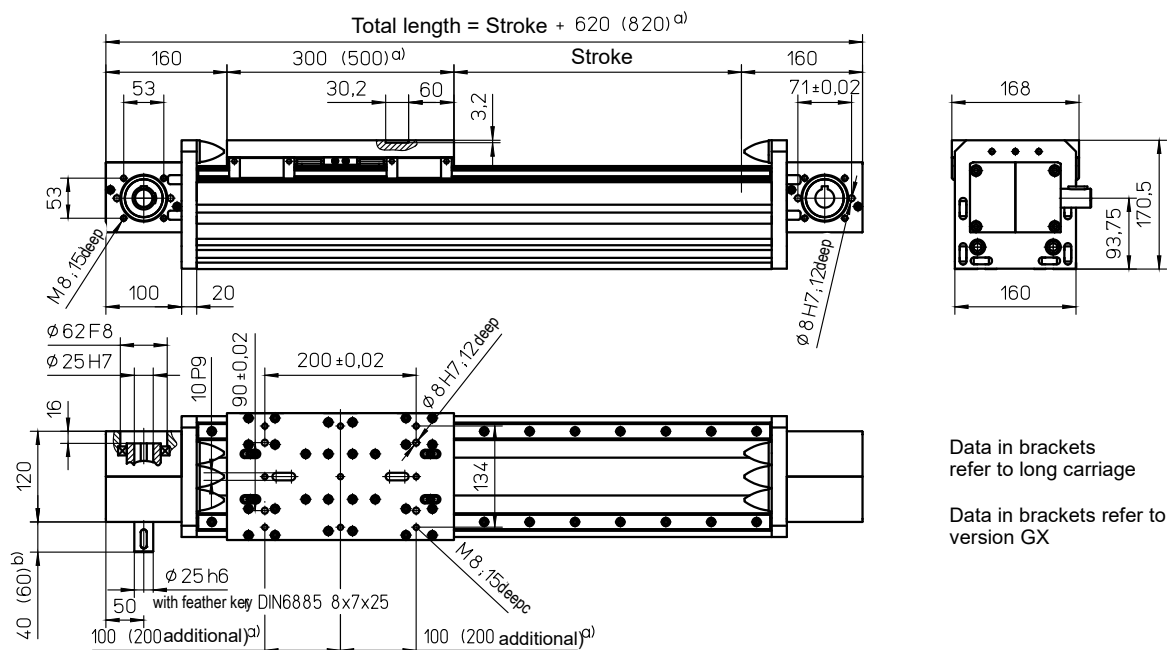


with toothed belt drive and double linear guide (ZSS)



Weights

ZSS

Basic length without stroke:	26.50 kg
100 mm stroke:	2.42 kg
Entire carriage 300 mm:	7.60 kg
Entire carriage 500 mm:	9.80 kg

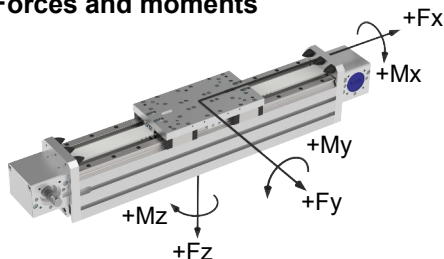
Max. total length: 8200 mm
(longer on request)

Technical Data

ZSS

Max. speed:	5.00 m/s
Max. acceleration:	60 m/s ²
Repeat accuracy:	± 0.08 mm
Idle torque:	4.00 Nm
Moment of inertia:	1.80 · 10 ⁻² kgm ²
Drive element:	Toothed belt 50 ATL10
Stroke per revolution:	240 mm

Forces and moments



	ZSS
Forces	Dynamic [N]
F_x^{c)}	4000
F_y	10000
F_z	16000
Moments	Dynamic [Nm]
M_x	1800
M_y	5000 (8000)
M_z	4000 (7000)

^{c)} Maximum value (see diagram "F_x-v-Diagram")
Data in brackets refer to long carriage (500)

F_x - v - Diagram

