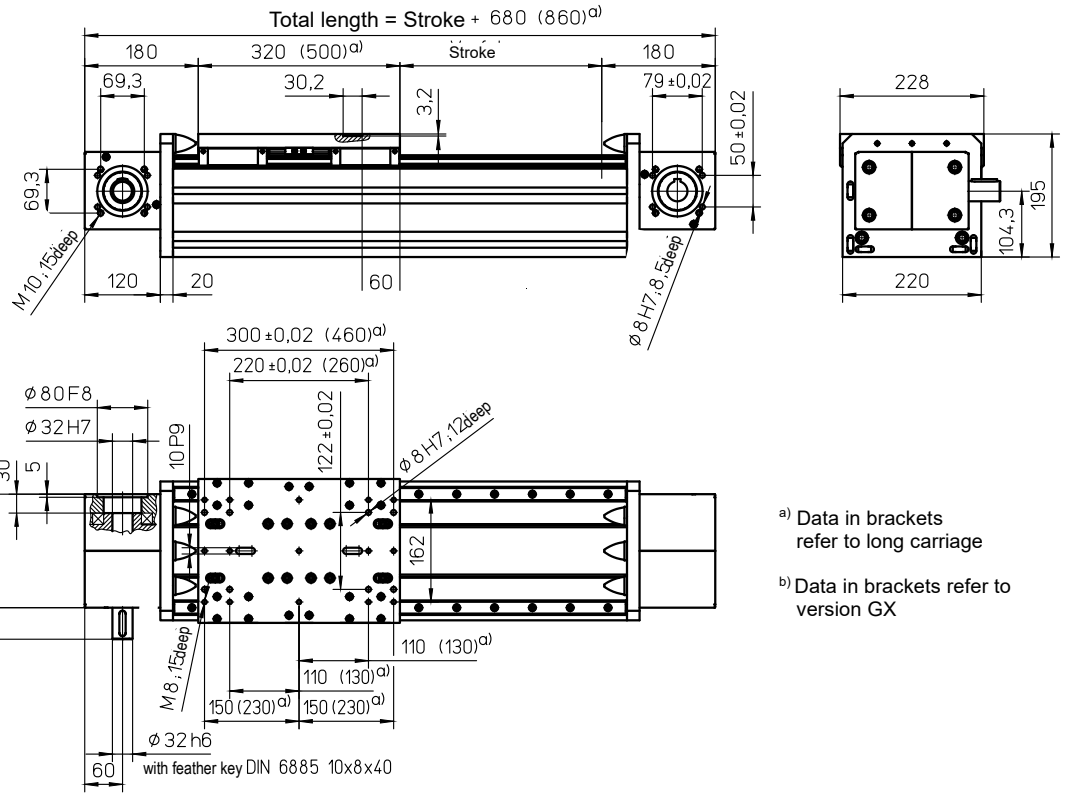
with toothed belt drive and double linear guide (ZSS)



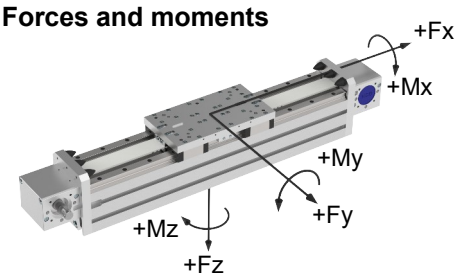
a) Data in brackets refer to long carriage

b) Data in brackets refer to version GX

Weights	ZSS
Basic length without stroke:	47.00 kg
100 mm stroke:	4.12 kg
Entire carriage 320 mm:	10.50 kg
Entire carriage 500 mm:	13.20 kg
Max. total length: (longer on request)	8260 mm

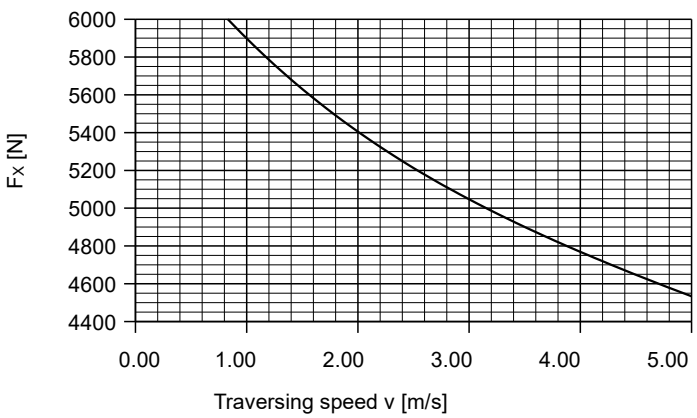
Technical Data	ZSS
Max. speed:	5.00 m/s
Max. acceleration:	60 m/s²
Repeat accuracy:	± 0.08 mm
Idle torque:	7.00 Nm
Moment of inertia:	$3.30 \cdot 10^{-2}$ kgm²
Drive element:	Toothed belt **75 ATL10**
Stroke per revolution:	320 mm

Forces and moments



	ZSS
Forces	Dynamic [N]
F_x c)	6000
F_Y	12000
F_z	20000
Moments	Dynamic [Nm]
M_x	2500
M_Y	8000 (12000)
M_z	6500 (10000)

c) Maximum value (see diagram "F_X-v-Diagram")

Data in brackets refer to long carriage (500)

F_X - v - Diagram