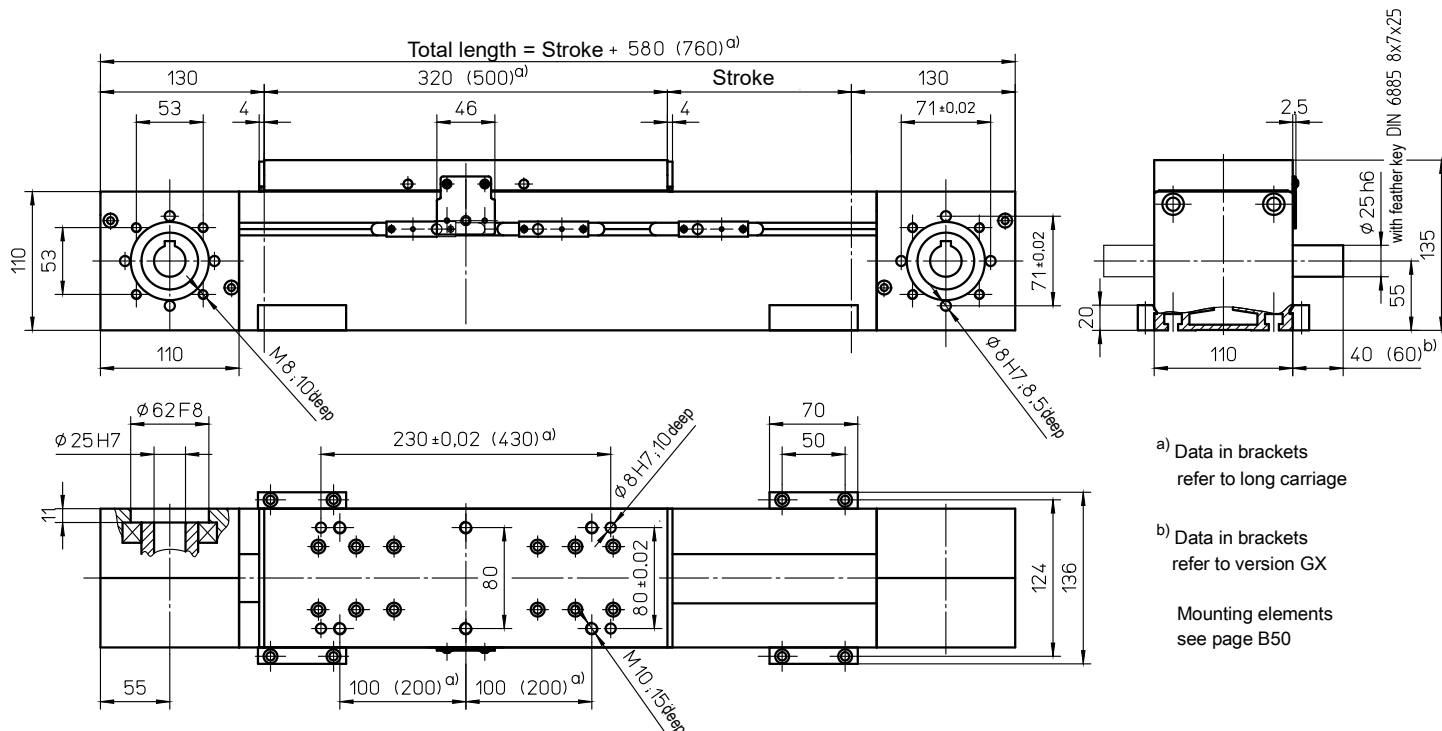


with toothed belt drive and roller guide (ZRS) or rail guide (ZSS)

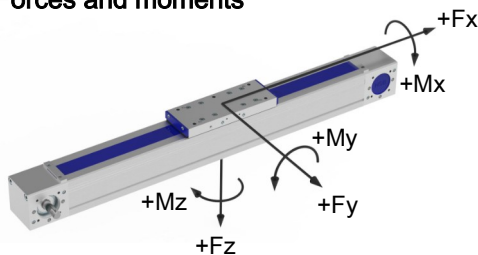


Weights	ZRS	ZSS
Basic length without stroke:	15.70 kg	18.00 kg
100 mm stroke:	1.50 kg	2.10 kg
Entire carriage 320 mm:	4.80 kg	5.20 kg
Entire carriage 500 mm:	7.50 kg	8.20 kg

Max. total length: 8100 mm
(longer on request)

Technical Data	ZRS	ZSS
Max. speed:	8.00 m/s	5.00 m/s
Max. acceleration:	60 m/s ²	
Repeat accuracy:	± 0.08 mm	
Idle torque:	3.50 Nm	
Moment of inertia:	1.80 · 10 ⁻² kgm ²	1.60 · 10 ⁻² kgm ²
Drive element:	Toothed belt 50 ATL10	
Stroke per revolution:	300 mm	

Forces and moments

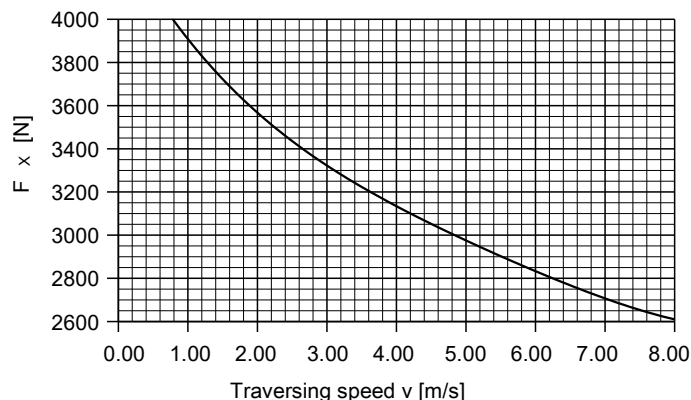


	ZRS	ZSS
Forces	Dynamic [N]	
F _x ^{d)}	4000	
F _y	2000	3000
F _z	5000	8000
-F _z	2500	4000
Moments	Dynamic [Nm]	
M _x	300	400
M _y	600 (800)	800 (1200)
M _z	450 (550)	600 (800)

d) Maximum value (see diagram "F_x - v-Diagram")

Data in brackets refer to long carriage plate (500)

F_x - v - Diagram



For mechanical linear drives with roller guide, the static load rating "C_{stat}" (page TL 11) applies for static loads.