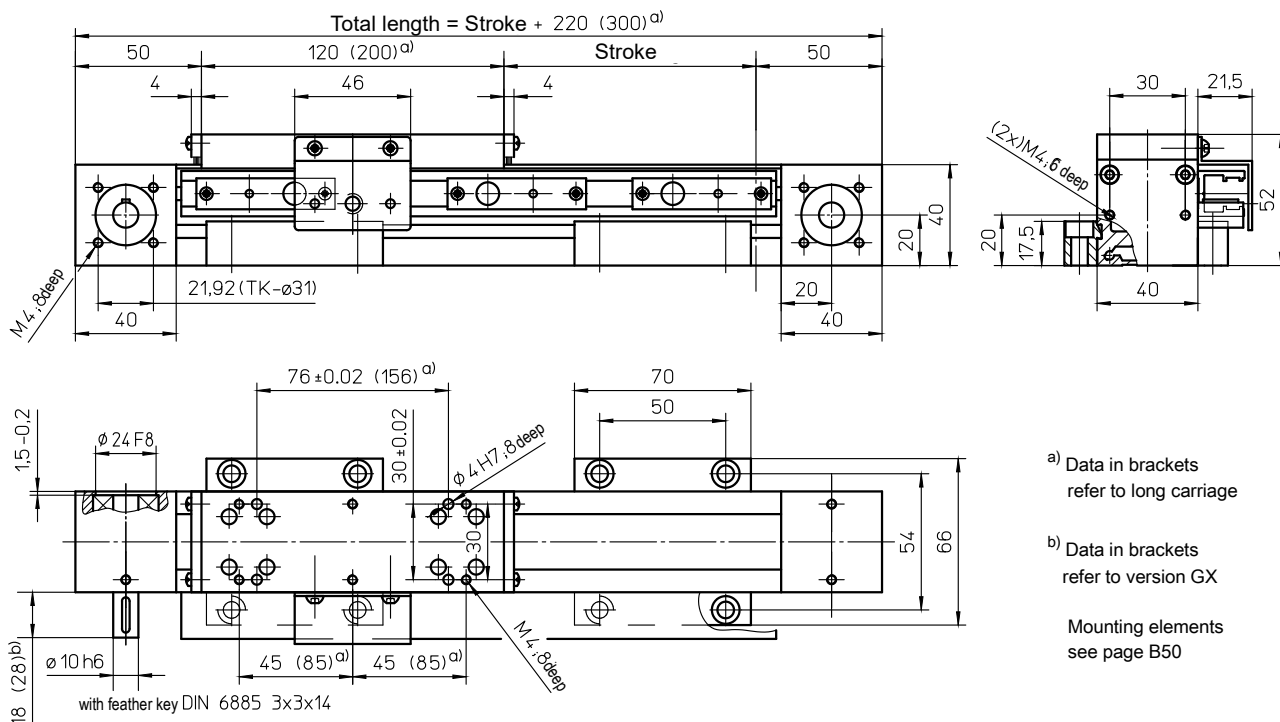


with toothed belt drive and sliding guide (ZGS) or rail guide (ZSS)



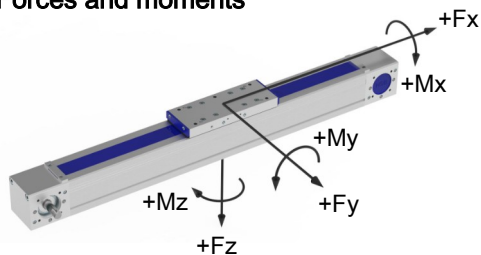
Weights

	ZGS	ZSS
Basic length without stroke:	1.50 kg	1.70 kg
100 mm stroke:	0.20 kg	0.30 kg
Entire carriage 120 mm:	0.30 kg	
Entire carriage 200 mm:	0.50 kg	
Max. total length:	3000 mm	2070 mm

Technical Data

	ZGS	ZSS
Max. speed:	1.00 m/s	3.00 m/s
Max. acceleration:	20 m/s ²	30 m/s ²
Repeat accuracy:	± 0.08 mm	
Idle torque:	0.30 Nm	
Moment of inertia:	2.00 · 10 ⁻⁴ kgm ²	
Drive element:	Toothed belt 16 AT5-E	
Stroke per revolution:	100 mm	

Forces and moments

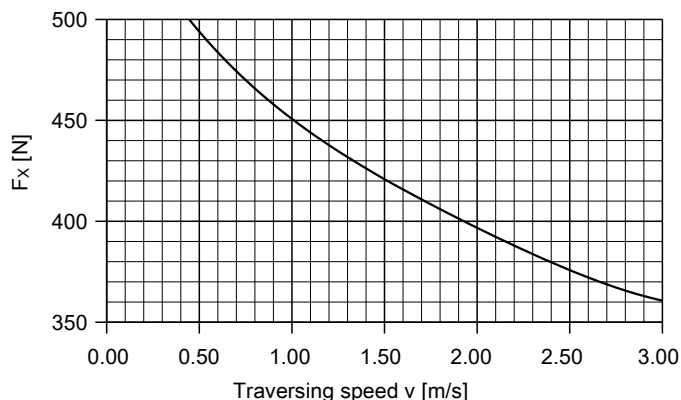


	ZGS	ZSS
Forces	Dynamic [N]	
F_x ^{d)}	500	
F_y	80	500
F_z	150	600
-F_z	75	300
Moments	Dynamic [Nm]	
M_x	6	12
M_y	6	30 (50)
M_z	8	30 (50)

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

Data in brackets refer to long carriage (200)

F_x - v - Diagram



>> **Note** << Drive shaft is not changeable

Please define position, e.g. "AZ1"! (See Ordering Code)