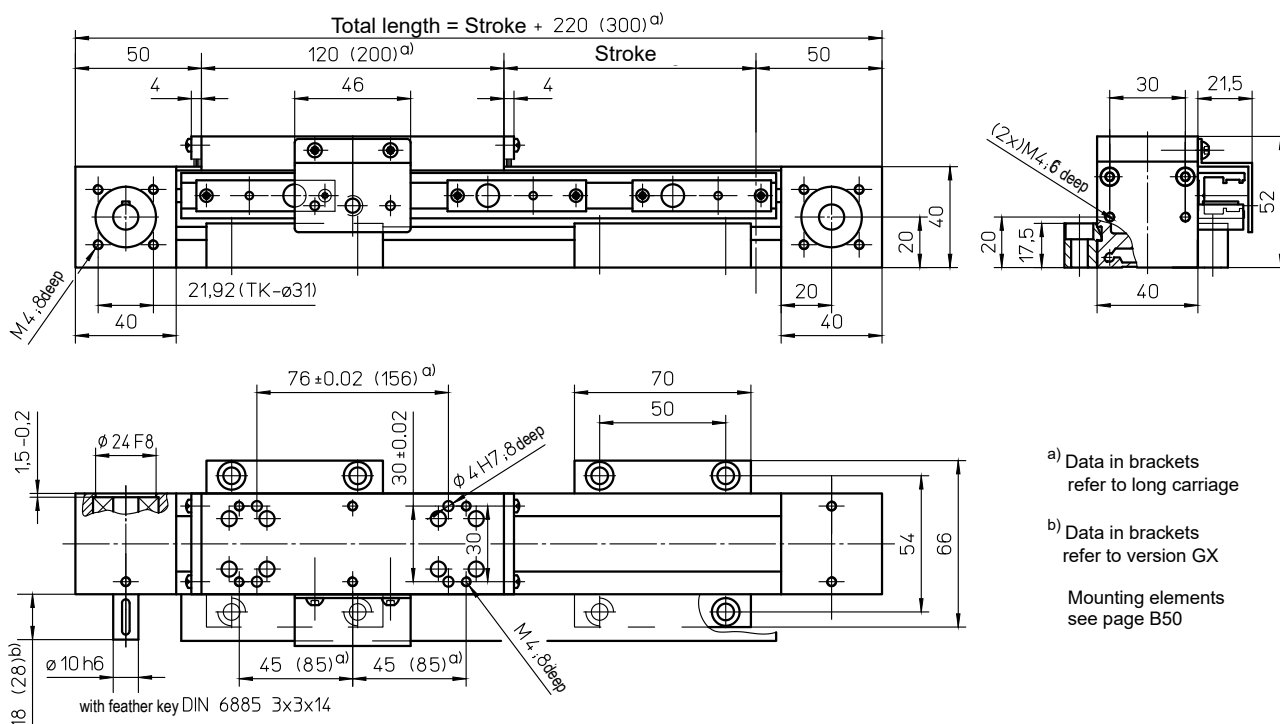


with toothed belt drive and sliding guide (ZGS) or rail guide (ZSS)



a) Data in brackets refer to long carriage

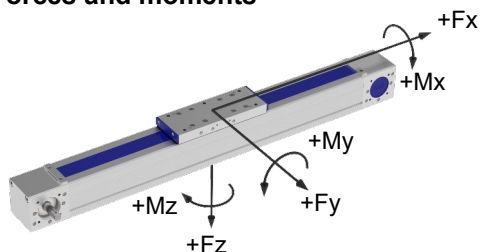
b) Data in brackets refer to version GX

Mounting elements see page B50

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

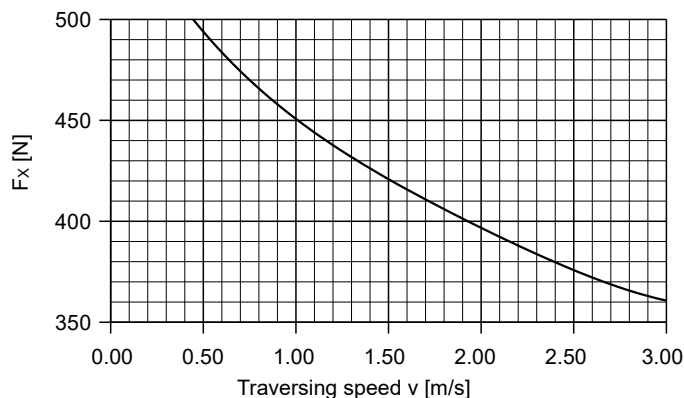


	ZGS	ZSS
Forces	Dynamic [N]	
F_x^{d)}	500	
F_y	80	500
F_z	150	600
-F_z	75	300
Moments	Dynamic [Nm]	
M_x	6	12
M_y	6	30 (50)
M_z	8	30 (50)

^{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)