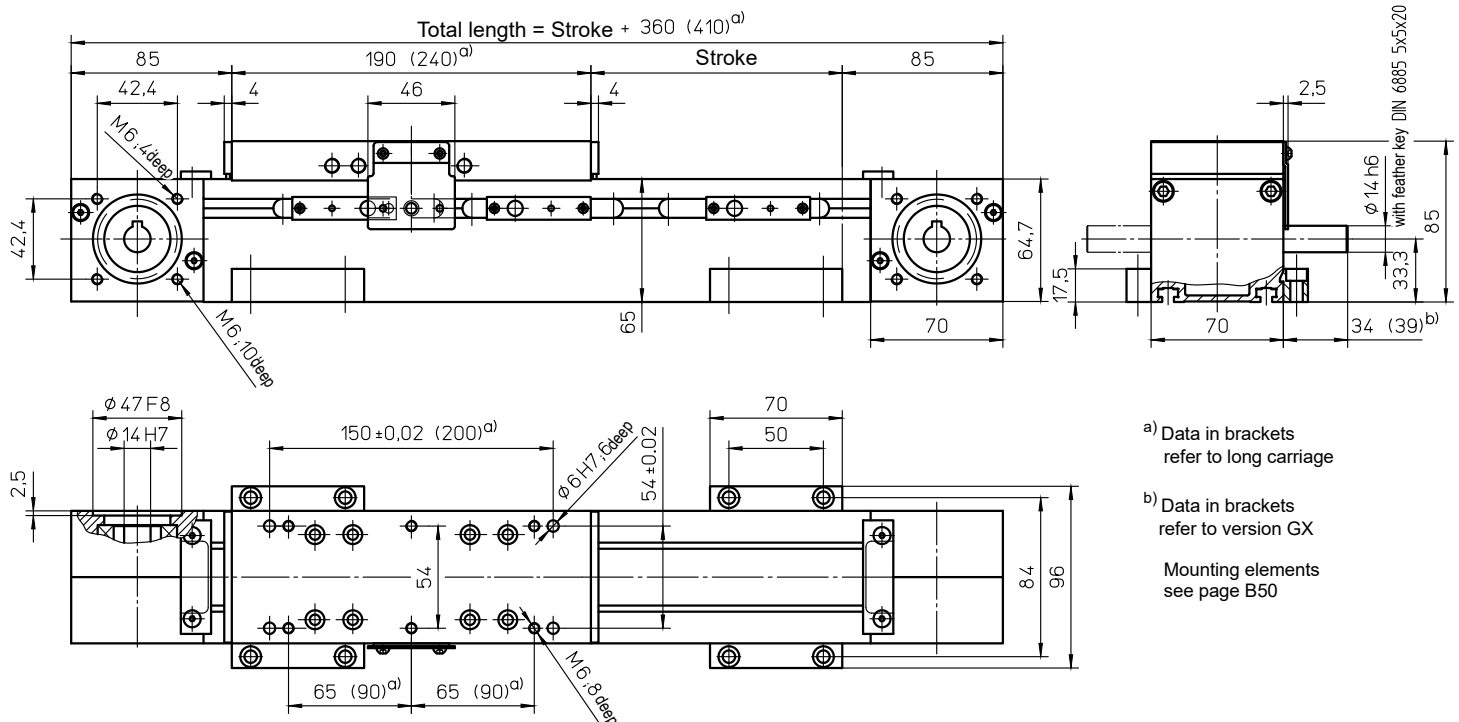


with toothed belt drive and roller guide (ZRS) or rail guide (ZSS)



a) Data in brackets refer to long carriage

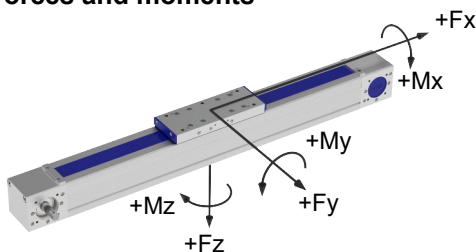
b) Data in brackets refer to version GX

Mounting elements see page B50

Weights	ZRS	ZSS
Basic length without stroke:	3.10 kg	3.40 kg
100 mm stroke:	0.45 kg	0.60 kg
Entire carriage 190 mm:	1.30 kg	1.65 kg
Entire carriage 240 mm:	1.65 kg	2.10 kg
Max. total length: (longer on request)	8000 mm	7200 mm

Technical Data	ZRS	ZSS
Max. speed:	8.00 m/s	5.00 m/s
Max. acceleration:	30 m/s ²	
Repeat accuracy:	± 0.08 mm	
Idle torque:	1.20 Nm	
Moment of inertia:	4.00 · 10 ⁻⁴ kgm ²	2.00 · 10 ⁻⁴ kgm ²
Drive element:	Toothed belt 32 AT5-E	
Stroke per revolution:	175 mm	

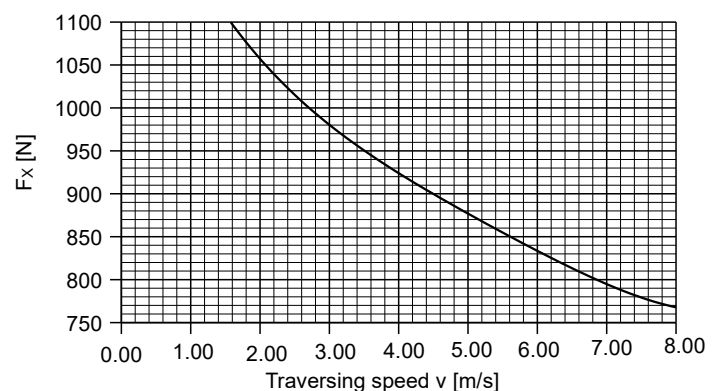
Forces and moments



	ZRS	ZSS
Forces	Dynamic [N]	
F_x ^{d)}	1100	
F_y	300	600
F_z	1000	1800
-F_z	400	1200
Moments	Dynamic [Nm]	
M_x	35	60
M_y	120 (150)	180 (230)
M_z	50 (60)	120 (150)

^{d)} Maximum value (see diagram "F_x-v-Diagram")
Data in brackets refer to long carriage plate (240)

F_x - v - Diagram



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