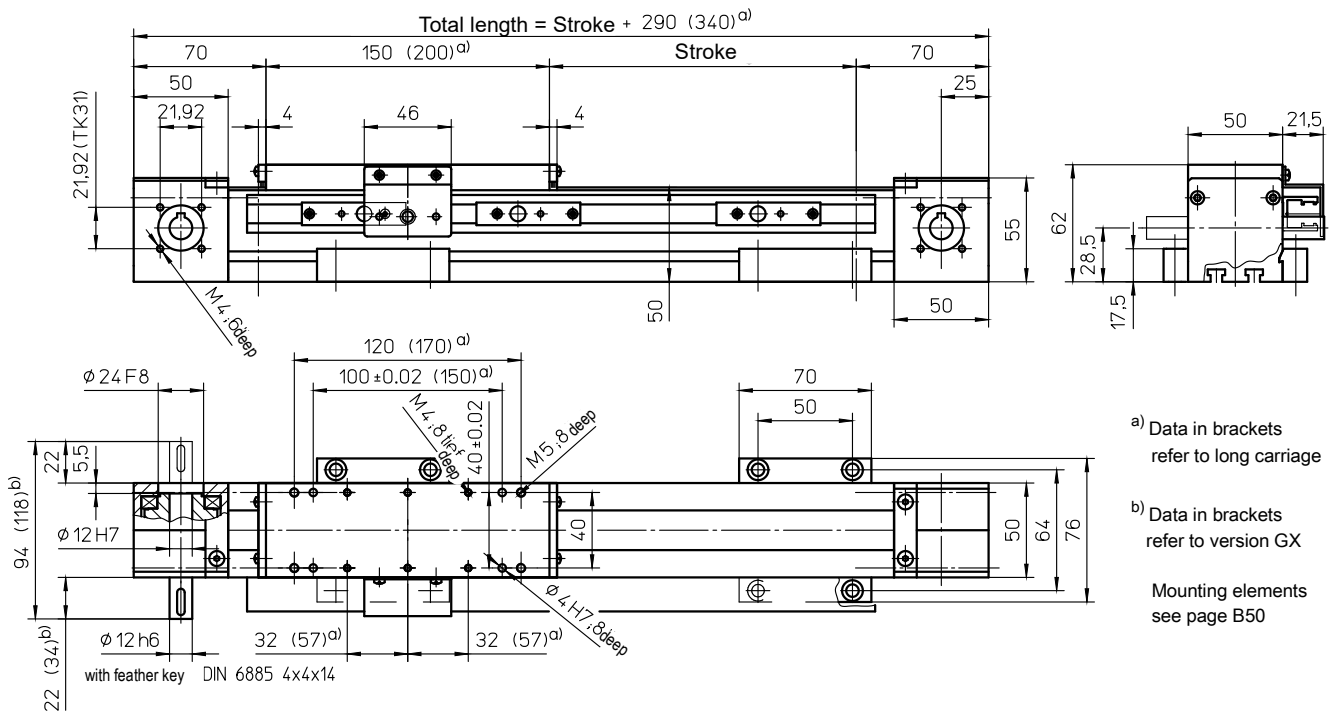


with toothed belt drive and roller guide (ZRS)



Weights

ZRS

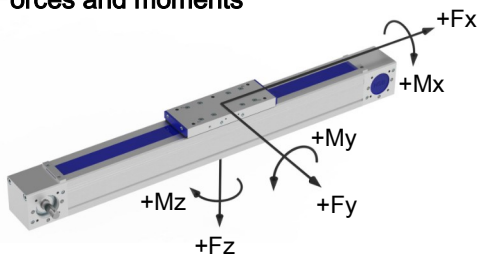
Basic length without stroke:	1.45 kg
100 mm stroke:	0.35 kg
Entire carriage 150 mm:	0.45 kg
Entire carriage 200 mm:	0.60 kg
Max. total length: (longer on request)	8000 mm

Technical Data

ZRS

Max. total speed:	3.00 m/s
Max. acceleration:	30 m/s ²
Repeat accuracy:	± 0.08 mm
Idle torque:	0.40 Nm
Moment of inertia:	3.00 · 10 ⁻⁴ kgm ²
Drive element:	Toothed belt 20 AT5-E
Stroke per revolution:	110 mm

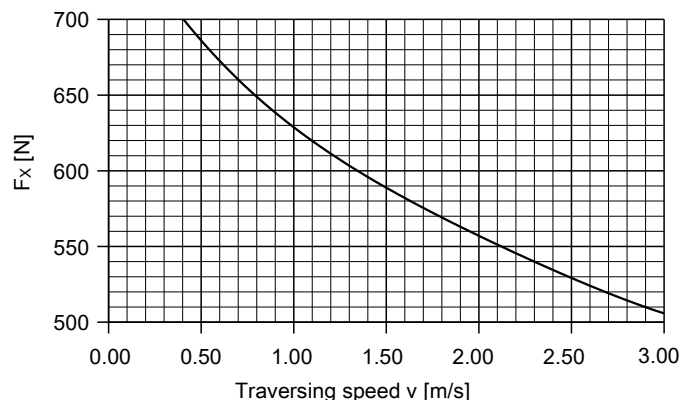
Forces and moments



ZRS	
Forces	Dynamic [N]
F_x^{d)}	700
F_y	300
F_z	600
-F_z	400
Moments	Dynamic [Nm]
M_x	30
M_y	50 (65)
M_z	50 (65)

^{d)} Maximum value (see diagram "F_x-v-Diagram")
Data in brackets refer to long carriage (200)

F_x - v - Diagram



For mechanical linear drives with roller guide, the static load rating "C_{stat}" (page TL11) applies for static loads.