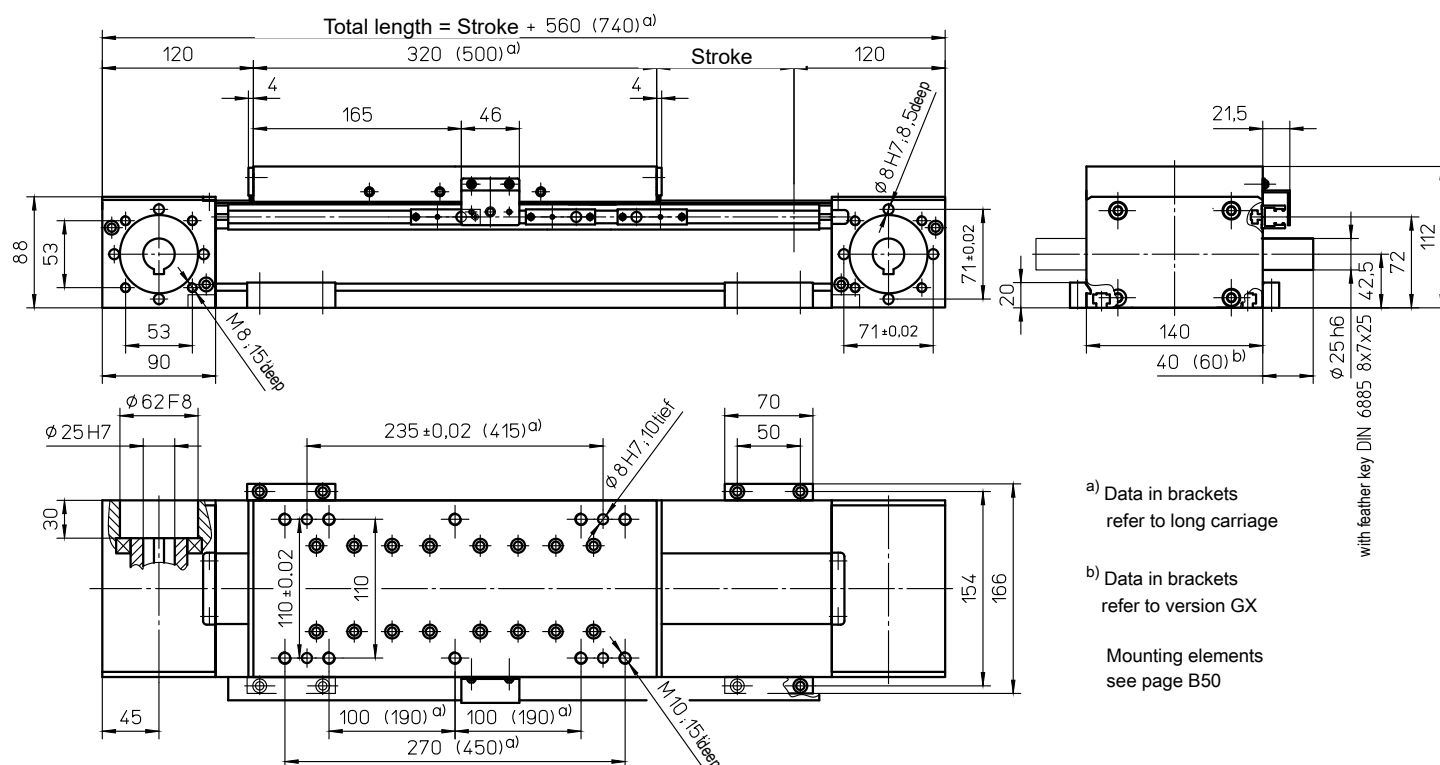


with toothed belt drive and roller guide (ZRS)



Weights

ZRS

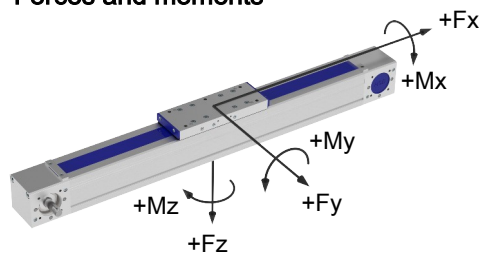
Basic length without stroke:	13.50 kg
100 mm stroke:	1.30 kg
Entire carriage 320 mm:	7.00 kg
Entire carriage 500 mm:	11.00 kg
Max. total length: (longer on request)	8100 mm

Technical Data

ZRS

Max. speed:	8.00 m/s
Max. acceleration:	60 m/s ²
Repeat accuracy:	± 0.08 mm
Idle torque:	3.50 Nm
Moment of inertia:	1.90 • 10 ⁻² kgm ²
Drive element:	Toothed belt 50 AT10-E
Stroke per revolution:	220 mm

Forces and moments

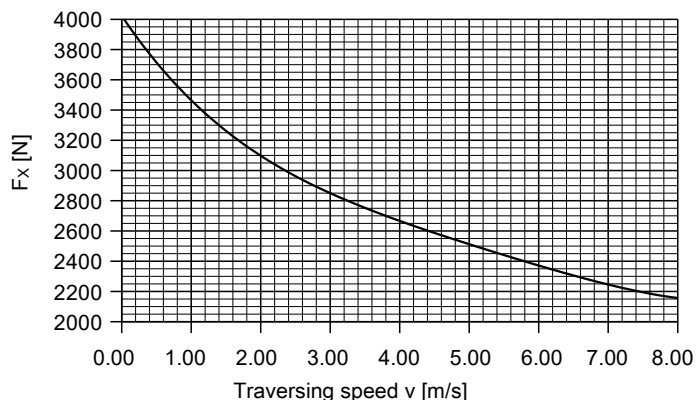


	ZRS
Forces	Dynamic [N]
F_x^d	4000
F_y	2500
F_z	5000
-F_z	3000
Moments	Dynamic [Nm]
M_x	350
M_y	700 (900)
M_z	500 (900)

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.