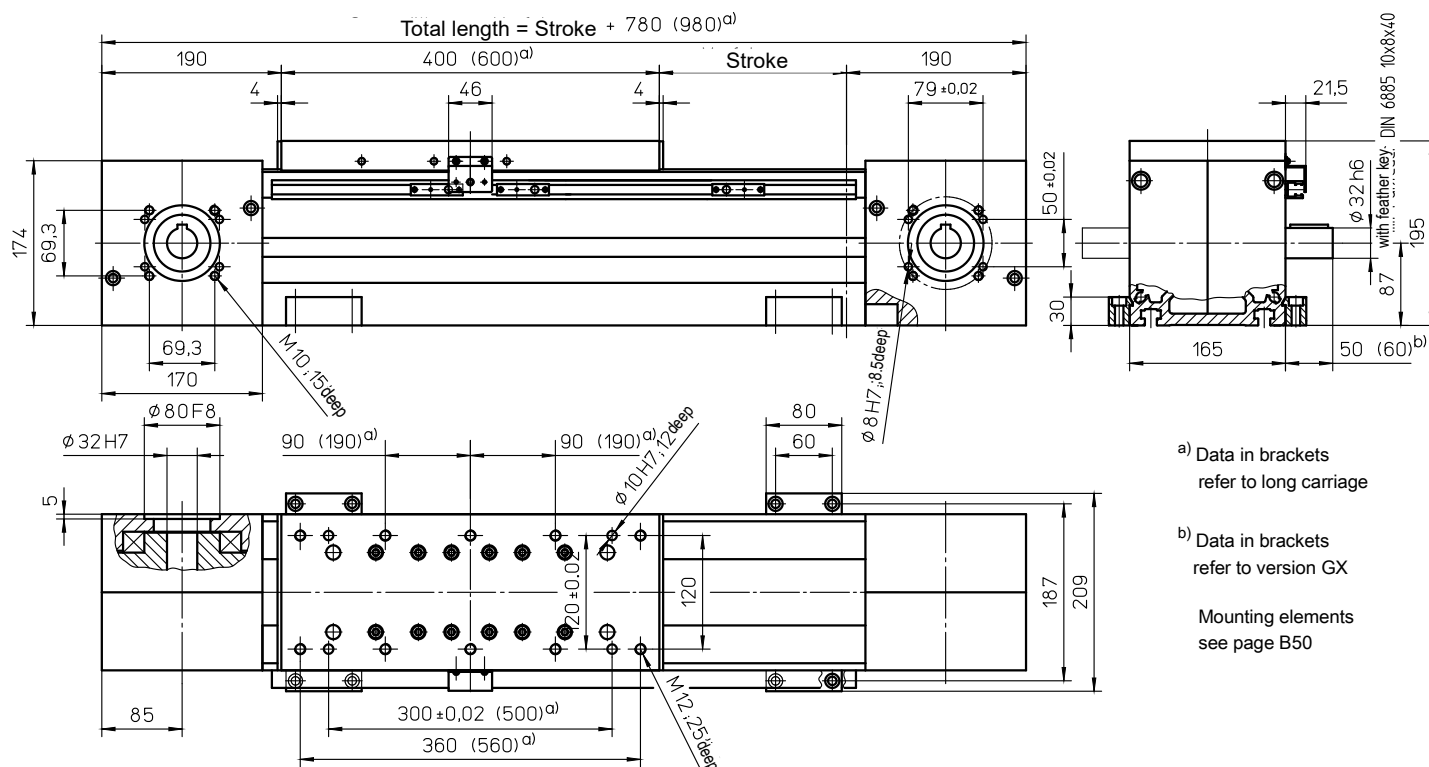


with toothed belt drive and rail guide (ZSS)



Weights

ZSS

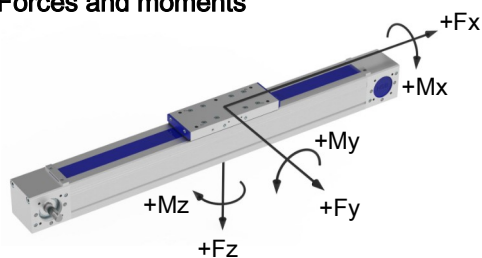
Basic length without stroke:	38.40 kg
100 mm stroke:	3.00 kg
Entire carriage 400 mm:	11.90 kg
Entire carriage 600 mm:	17.90 kg
Max. total length: (longer on request)	7700 mm

Technical Data

ZSS

Max. speed:	5.00 m/s
Max. acceleration:	60 m/s ²
Repeat accuracy:	± 0.08 mm
Idle torque:	12.00 Nm
Moment of inertia:	8.50 • 10 ⁻² kgm ²
Drive element:	Toothed belt 75 ATS 15
Stroke per revolution:	450 mm

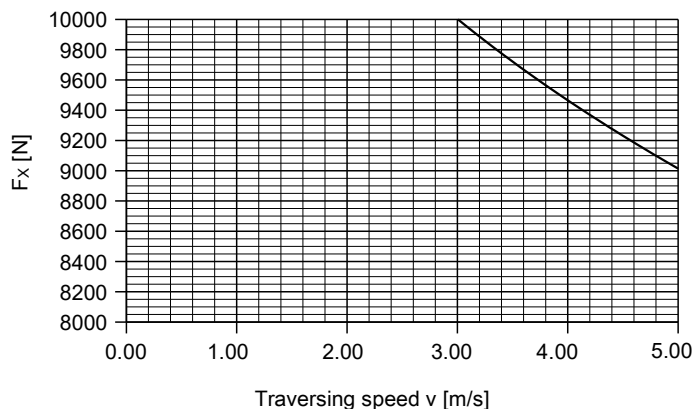
Forces and moments



	ZSS
Forces	Dynamic [N]
$F_x^{(d)}$	10000
F_y	5000
F_z	15000
$-F_z$	8000
Moments	Dynamic [Nm]
M_x	700
M_y	1400 (2000)
M_z	1100 (1500)

d) Maximum value (see diagram "F_x-v-Diagram")
Data in brackets refer to long carriage plate (600)

$F_x - v$ - Diagram



Profile design „S“ at max. total length 5840 mm to 7700 mm (page B49)