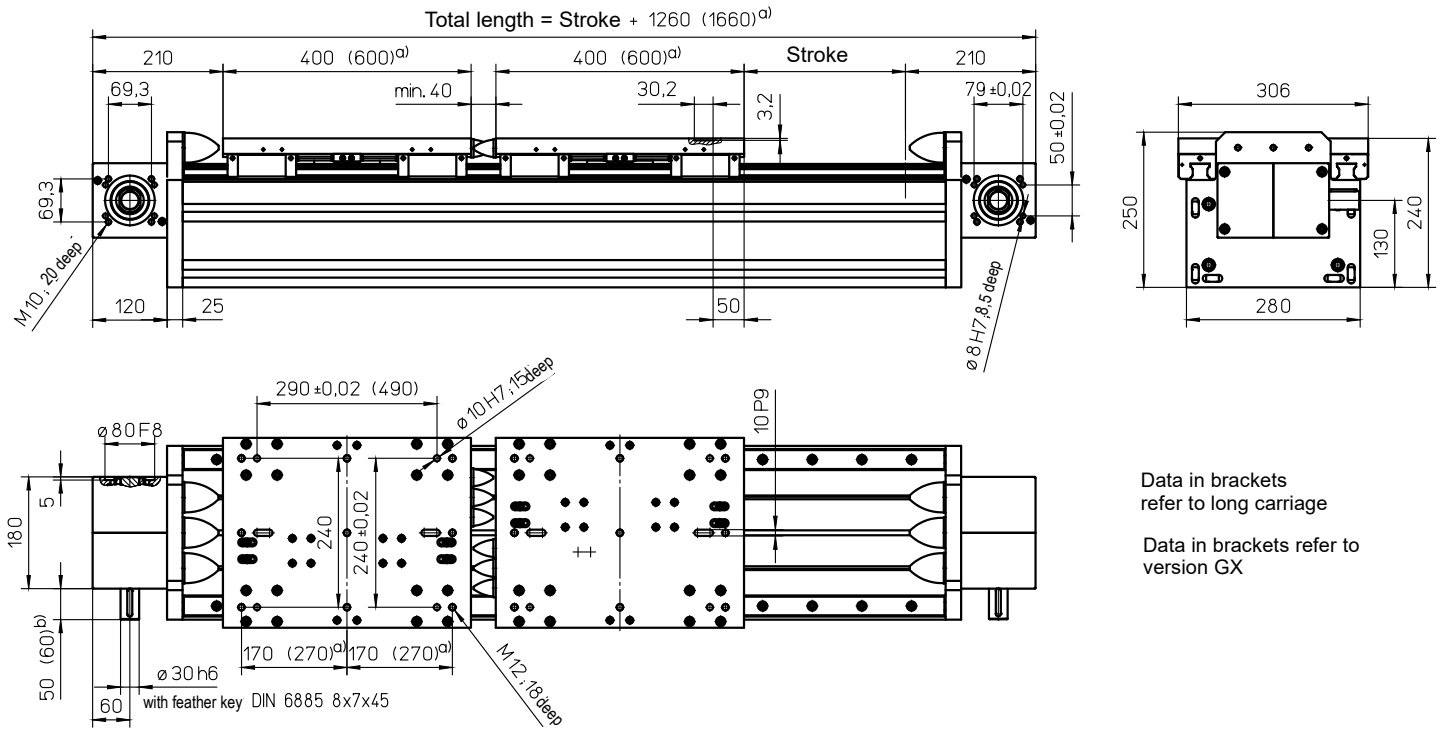


with toothed belt drive and double linear guide and a second independently travelling carriage (ZSSD)



Data in brackets refer to long carriage

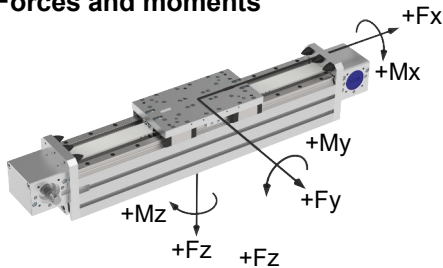
Data in brackets refer to version GX

Weights	ZSSD
Basic length without stroke:	142.75 kg
100 mm stroke:	6.30 kg
Entire carriage 400 mm:	18.00 kg
Entire carriage 600 mm:	22.55 kg

Max. total length: 8270 mm
(longer on request)

Technical Data	ZSSD
Max. speed:	5.00 m/s
Max. acceleration:	60 m/s ²
Repeat accuracy:	± 0,08 mm
Idle torque:	11.00 Nm
Moment of inertia:	4.50 · 10 ⁻² kgm ²
Drive element:	2 x Zahnriemen 50 ATL10
Stroke per revolution:	300 mm

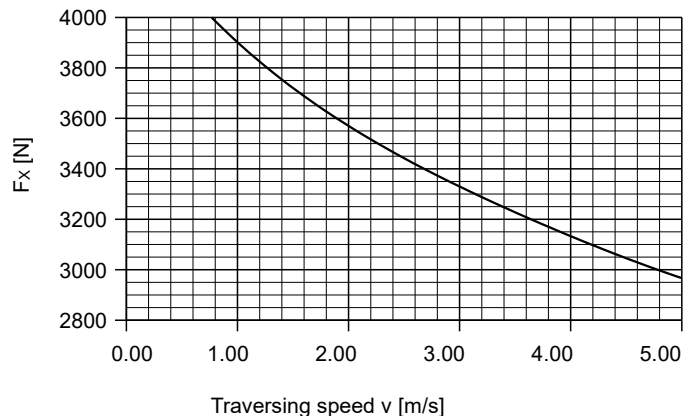
Forces and moments



ZSSD	
Forces	Dynamic [N]
F_x^{c)}	4000
F_y	20000
F_z	30000
Moments	Dynamic [Nm]
M_x	4000
M_y	15000 (25000)
M_z	12000 (20000)

^{c)} Maximum value (see diagram "F_x-v-Diagram")
Data in brackets refer to long carriage (600)

F_x - v - Diagram



These data apply to each carriage.