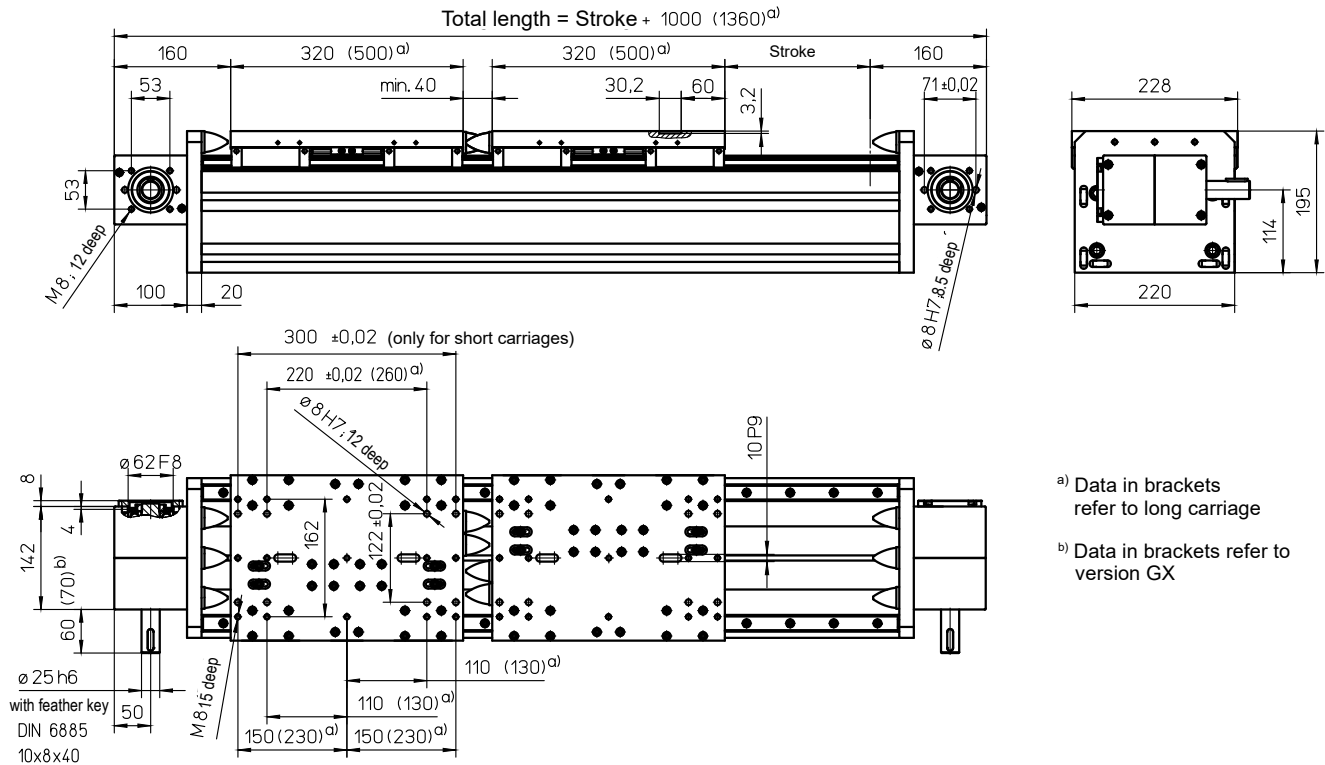


with toothed belt drive and double linear guide and a second independently travelling carriage (ZSSD)



a) Data in brackets refer to long carriage
b) Data in brackets refer to version GX

Weights

ZSSD

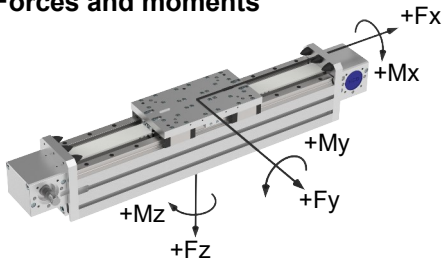
Basic length without stroke	61.30 kg
100 mm stroke:	4.10 kg
Entire carriage 320 mm:	9.30 kg
Entire carriage 500 mm:	11.90 kg
Max. total length: (longer on request)	8220 mm

Technical Data

ZSSD

Max. speed:	5.00 m/s
Max. acceleration:	60 m/s ²
Repeat accuracy:	± 0,08 mm
Idle torque:	5.25 Nm
Moment of inertia:	1,55 · 10 ⁻² kgm ²
Drive element:	2 x Zahnriemen 40 AT10
Stroke per revolution:	240 mm

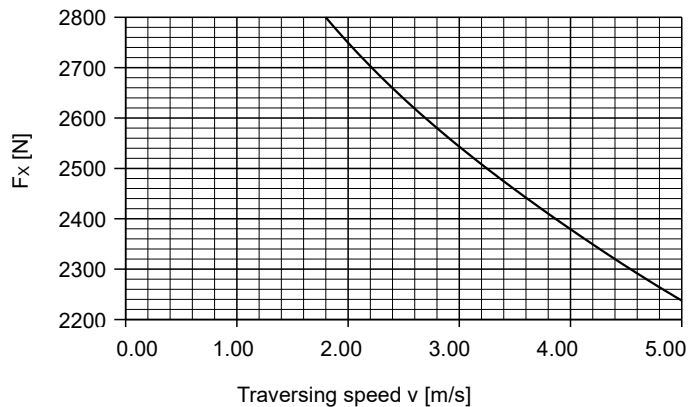
Forces and moments



ZSSD	
Forces	Dynamic [N]
F_x^{c)}	2800
F_y	12000
F_z	20000
Moments	Dynamic [Nm]
M_x	2500
M_y	8000 (12000)
M_z	6500 (10000)

^{c)} Maximum value (see diagram "Fx-v-Diagram")
Data in brackets refer to long carriage (500)

Fx - v - Diagram



These data apply to each carriage.