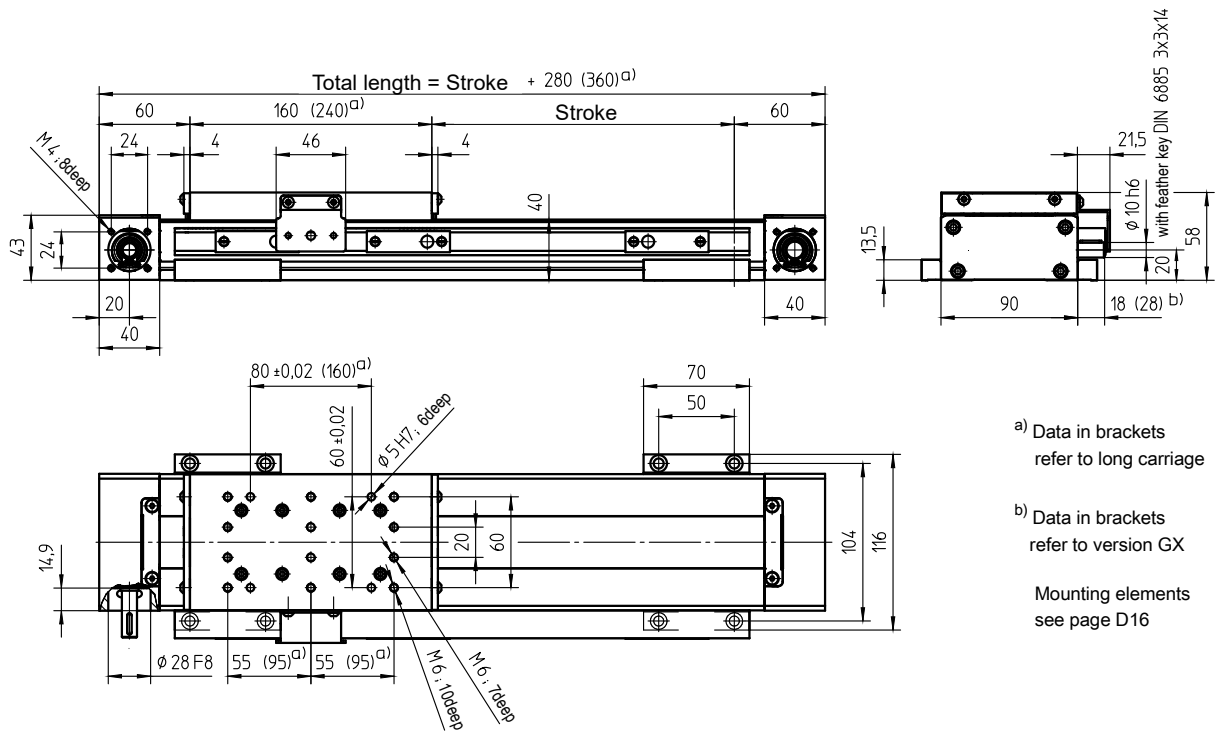


with toothed belt drive and roller guide (ZRS)



a) Data in brackets refer to long carriage

b) Data in brackets refer to version GX

Mounting elements see page D16

Weights

ZRS

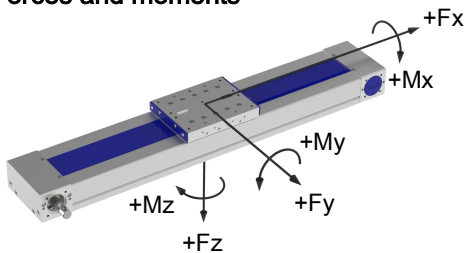
Basic length without stroke:	2.95 kg
100 mm stroke:	0.42 kg
Entire carriage 160 mm:	1.30 kg
Entire carriage 240 mm:	1.85 kg
Max. total length:	4000 mm

Technical Data

ZRS

Max. total speed:	5.00 m/s
Max. acceleration:	30 m/s ²
Repeat accuracy:	± 0.08 mm
Idle torque:	2.00 Nm
Moment of inertia:	4.65 · 10 ⁻⁴ kgm ²
Drive element:	Toothed belt 32 AT5-E
Stroke per revolution:	100 mm

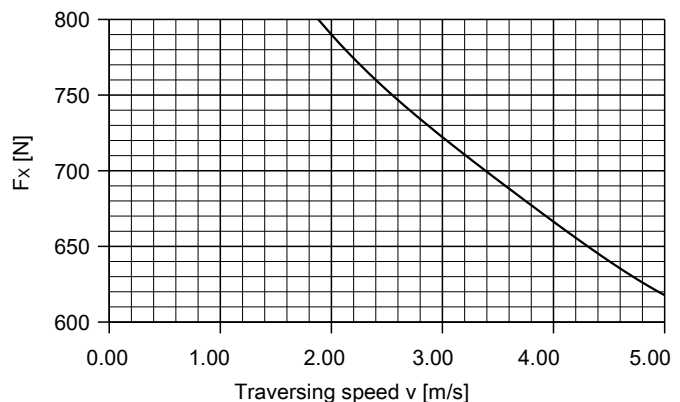
Forces and moments



ZRS	
Forces	Dynamic [N]
F _x ^{d)}	800
F _y	500
F _z	1000
-F _z	1000
Moments	Dynamic [Nm]
M _x	60
M _y	80 (110)
M _z	80 (110)

^{d)} Maximum value (see diagram "F_x-v-Diagram")
Data in brackets refer to long carriage (240)

F_x - v - Diagram



>> **Note** << Drive shaft is not changeable

Please define position, e.g. "AZ1"! (See Ordering Code)