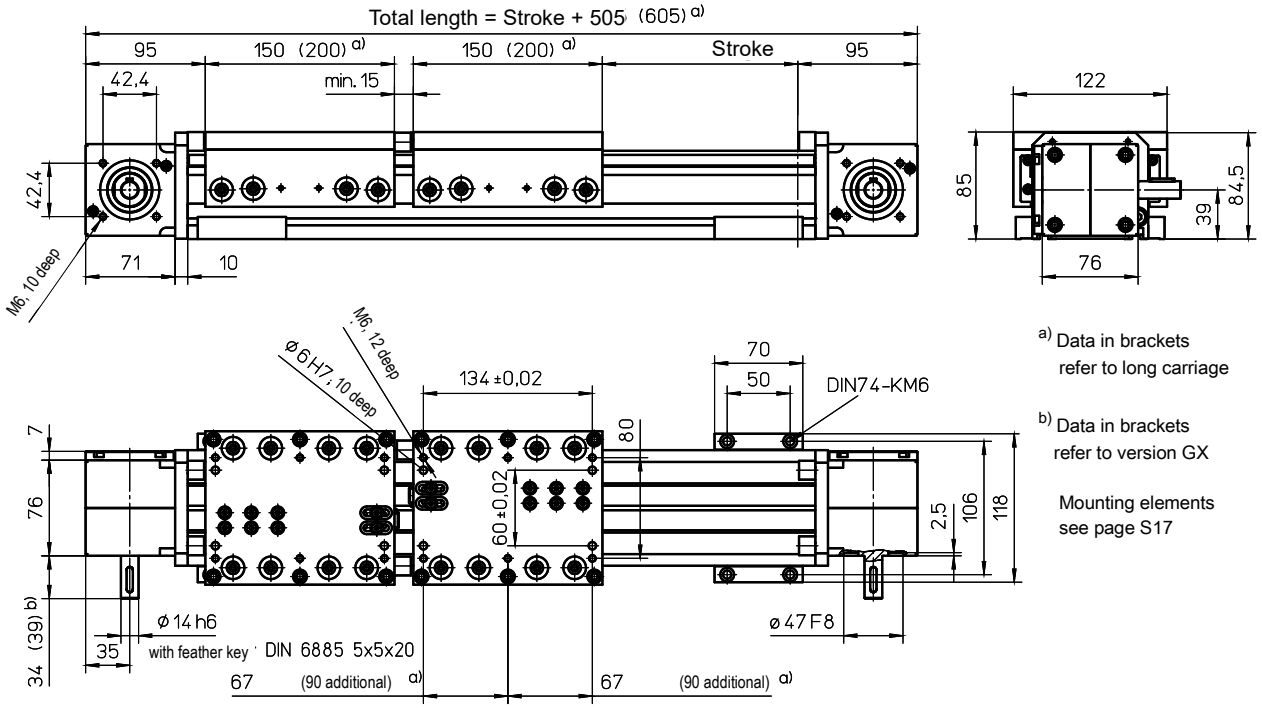
with toothed belt drive and roller guide and a second independently travelling carriage (ZRSD)



a) Data in brackets refer to long carriage

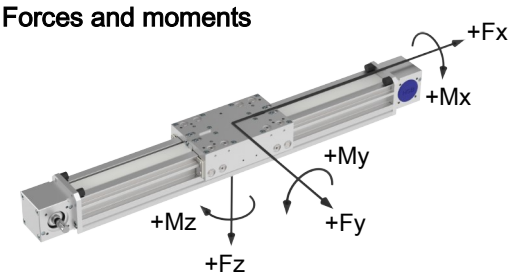
b) Data in brackets refer to version GX

Mounting elements see page S17

Weights	ZRSD
Basic length without stroke:	8.40 kg
100 mm stroke:	0.65 kg
Entire carriage 150 mm:	1.80 kg
Entire carriage 200 mm:	2.15 kg
Max. total length: (longer on request)	8100 mm

Technical Data	ZRSD
Max. speed:	8.00 m/s
Max. acceleration:	60 m/s²
Repeat accuracy:	±0.08 mm
Idle torque:	3.20 Nm
Moment of inertia:	1.70 •10^{-3} kgm²
Drive element:	2 x Toothed belt **16 AT5-E**
Stroke per revolution:	175 mm

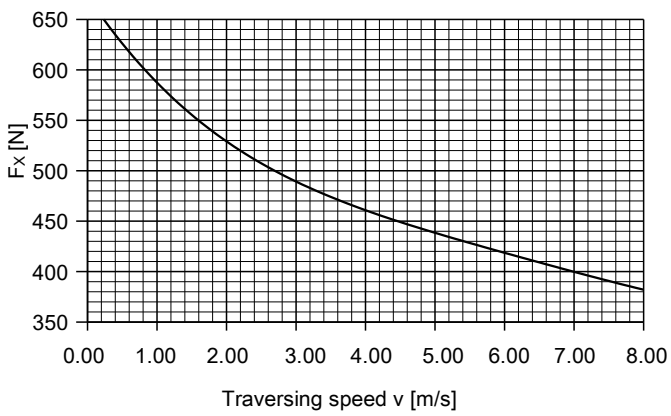
Forces and moments



	ZRSD
Forces	Dynamic [N]
F_x c)	650
F_Y	2000
F_Z	2500
$-F_Z$	1500
Moments	Dynamic [Nm]
M_X	120
M_Y	160 (230)
M_Z	150 (200)

c) Maximum value (see diagram „Fx-v-Diagram“)
Data in brackets refer to long carriage (200)

Fx - v - Diagram



These data apply to each carriage.

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