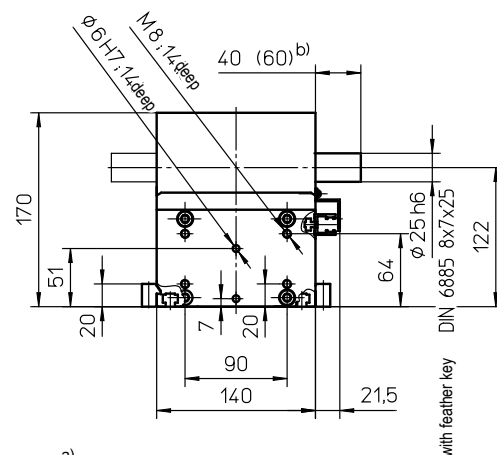
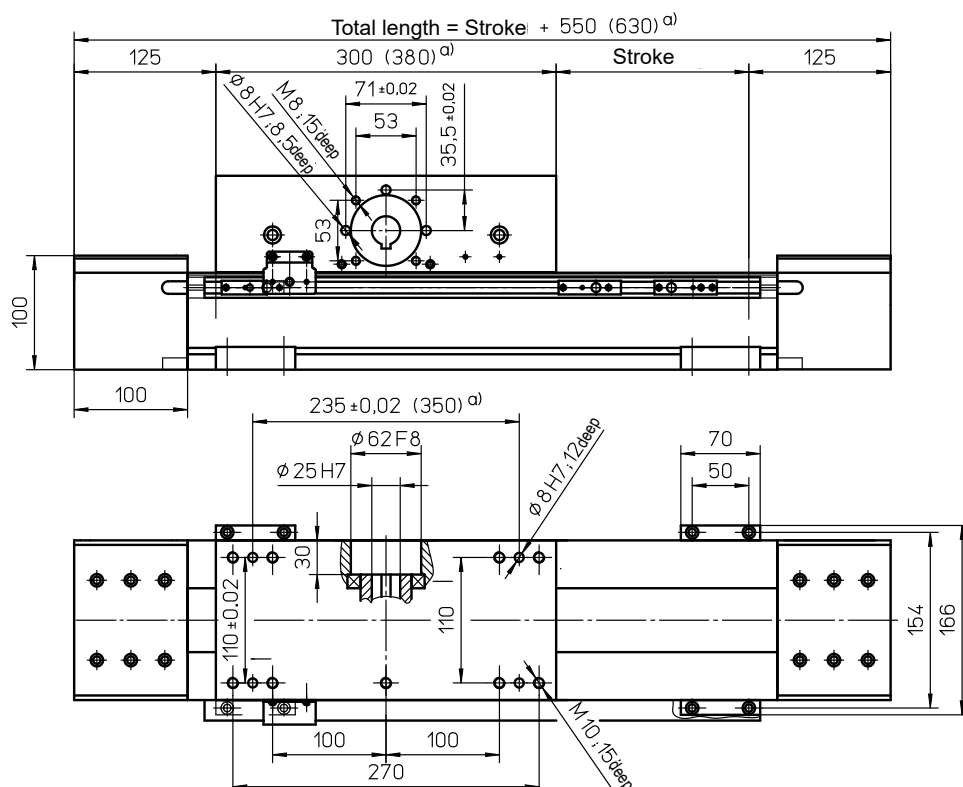


with toothed belt drive and roller guide (ARS)



a) Data in brackets refer to long carriage

b) Data in brackets refer to version GX

Mounting elements see page B50

Weights

ARS

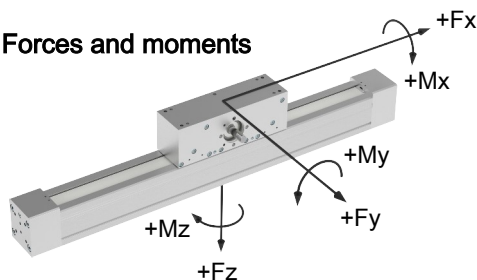
Basic length without stroke:	28.00 kg
100 mm stroke:	1.20 kg
Carriage drive 300 mm:	10.70 kg
Carriage drive 380 mm:	13.00 kg
Max. total length: (longer on request)	8100 mm

Technical Data

ARS

Max. speed:	8.00 m/s
Max. acceleration:	60 m/s ²
Repeat accuracy:	± 0.08 mm
Idle torque:	3.50 Nm
Moment of inertia:	$3.50 \cdot 10^{-2}$ kgm ²
Drive element:	Toothed belt 50 AT10-E
Stroke per revolution:	240 mm

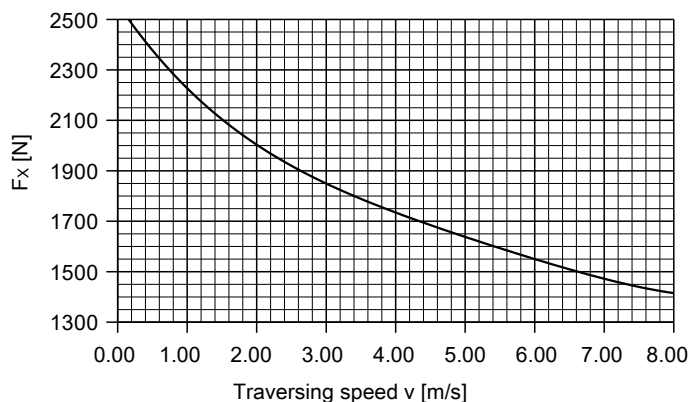
Forces and moments



	ARS
Forces	Dynamic [N]
$F_x^{d)}$	2500
F_y	2500
F_z	5000
$-F_z$	3000
Moments	Dynamic [Nm]
M_x	350
M_y	500 (700)
M_z	350 (500)

^{d)} Maximum value (see diagram "F_x-v-Diagram")
Data in brackets refer to long carriage (380)

F_x - v - Diagram



For mechanical linear drives with roller guide, the static load rating "C_{stat}" (page TL11) applies for static loads.