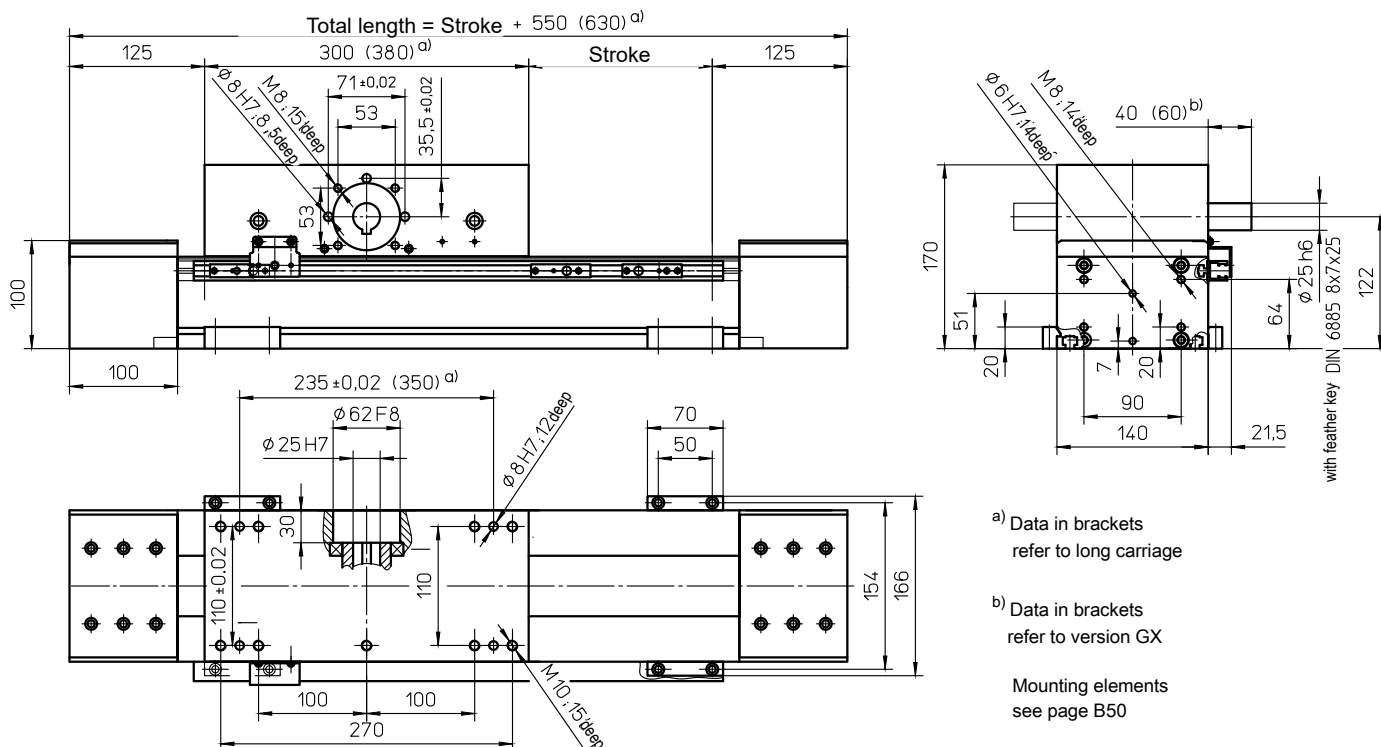


with toothed belt drive and roller guide (ARS) or double linear guide (ASS)



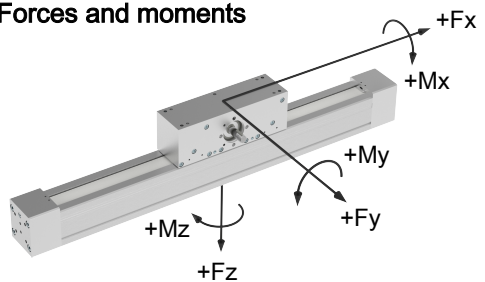
a) Data in brackets refer to long carriage
 b) Data in brackets refer to version GX
 Mounting elements see page B50

Weights	ARS	ASS
Basic length without stroke:	28.00 kg	30.00 kg
100 mm stroke:	1.20 kg	1.50 kg
Carriage drive 300 mm:	10.70 kg	11.70 kg
Carriage drive 380 mm:	13.00 kg	14.00 kg

Max. total length: 8100 mm (longer on request)

Technical Data	ARS	ASS
Max. speed:	8.00 m/s	5.00 m/s
Max. acceleration:	60 m/s ²	
Repeat accuracy:	± 0.08 mm	
Idle torque:	3.50 Nm	
Moment of inertia:	3.50 · 10 ⁻² kgm ²	3.70 · 10 ⁻² kgm ²
Drive element:	Toothed belt 50 AT10-E	
Stroke per revolution:	240 mm	

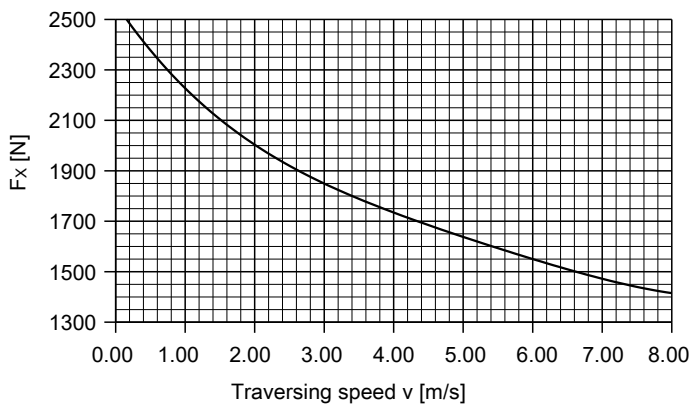
Forces and moments



	ARS	ASS
Forces	Dynamic [N]	
F_x ^{d)}	2500	
F_y	2500	
F_z	5000	6000
-F_z	3000	4000
Moments	Dynamic [Nm]	
M_x	350	500
M_y	500 (700)	1000 (1300)
M_z	350 (500)	1000 (1300)

^{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.