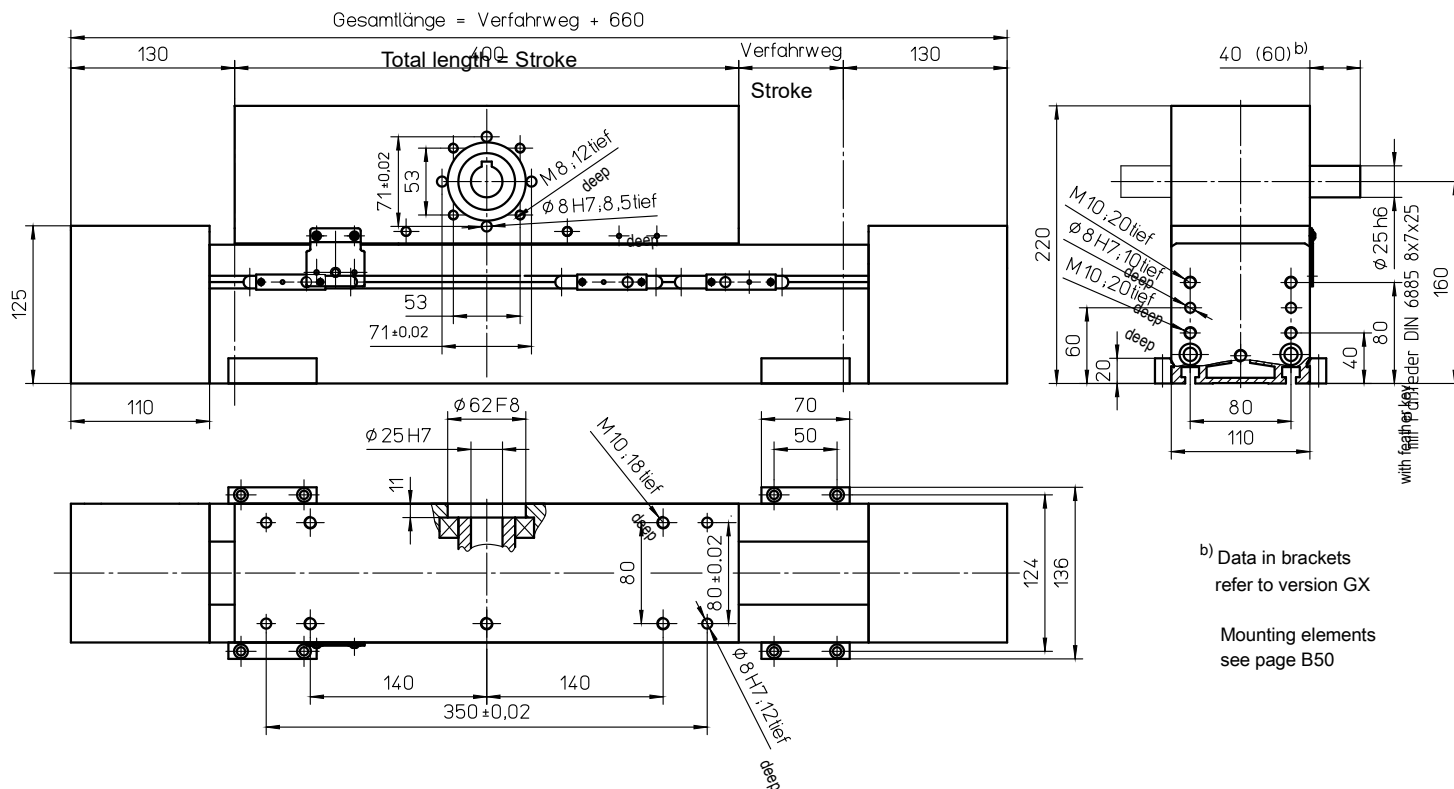


with toothed belt drive and roller guide (ARS) or rail guide (ASS)

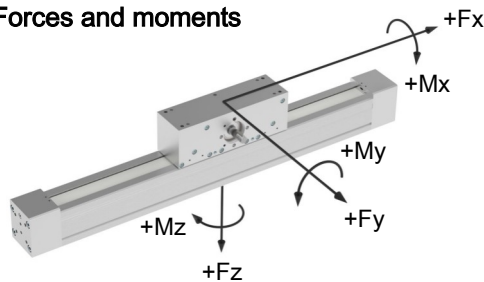


Weights	ARS	ASS
Basic length without stroke:	27.00 kg	29.00 kg
100 mm stroke:	1.20 kg	1.40 kg
Carriage drive 400 mm:	15.00 kg	16.00 kg

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:	300 mm	

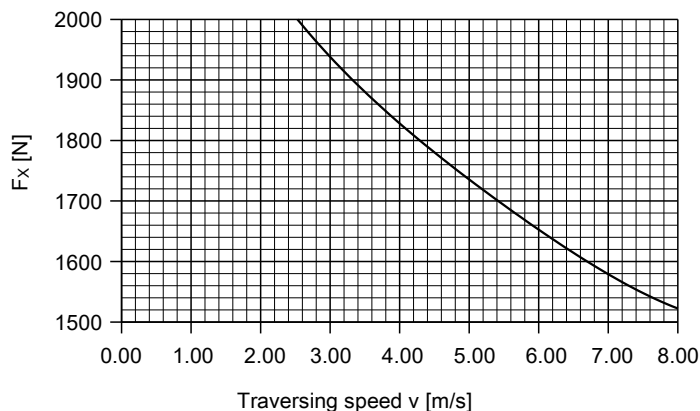
Forces and moments



	ARS	ASS
Forces	Dynamic [N]	
F_x^d	2000	
F_y	2000	3000
F_z	5000	8000
-F_z	2500	4000
Moments	Dynamic [Nm]	
M_x	300	400
M_y	600	800
M_z	450	600

d) Maximum value (see diagram "F_x-v-Diagram")

$F_x - v$ - Diagram



For mechanical linear drives with roller guide,
the static load rating “C_{stat}” (page TL 11) applies for static loads.