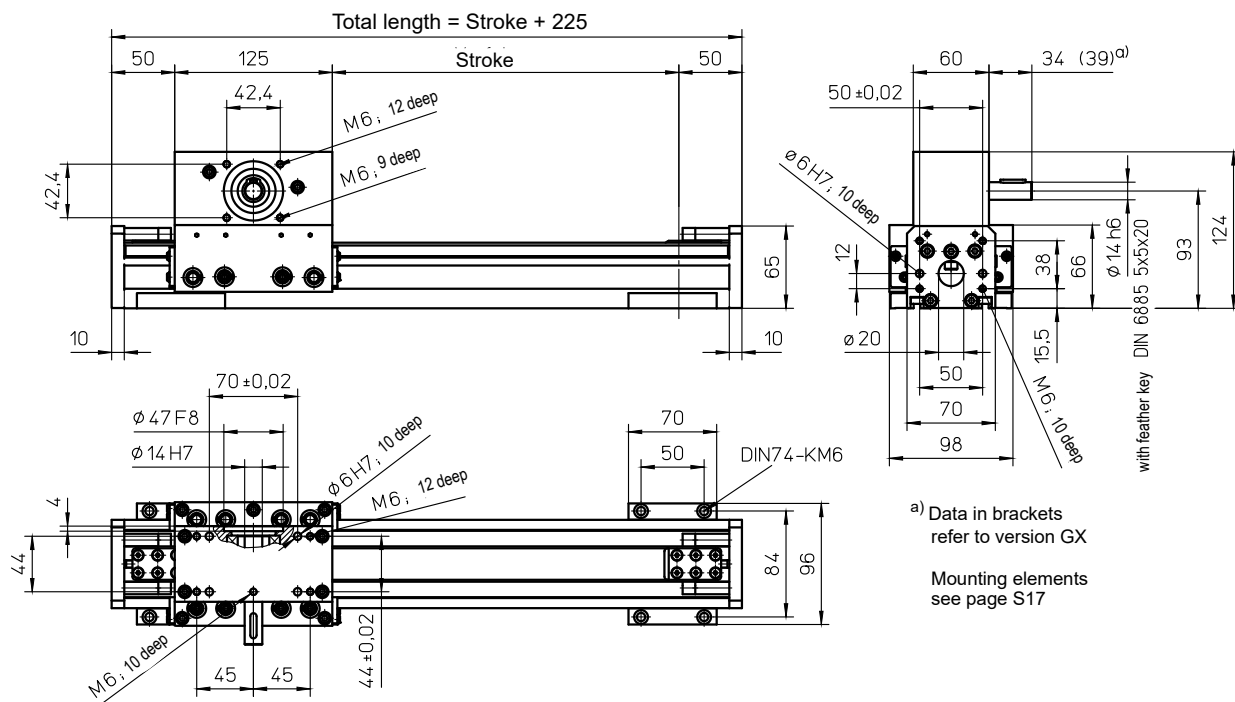


with toothed belt drive and roller guide (ARS)

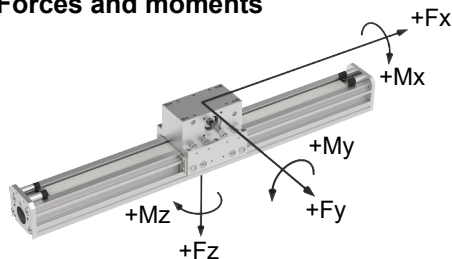


Weights

ARS

Basic length without stroke:	3.50 kg
100 mm stroke:	0.40 kg
Entire carriage 125 mm:	2.30 kg
Max. total length:	8000 mm
(longer on request)	

Forces and moments



	ARS
Forces	Dynamic [N]
$F_x^{c)}$	1050
F_y	1350
F_z	1850
$-F_z$	1200
Moments	Dynamic [Nm]
M_x	50
M_y	70
M_z	80

c) Maximum value (see diagram „F_x-v-Diagram“)

Technical Data

ARS

Max. speed:	6.25 m/s
Max. acceleration:	60 m/s ²
Repeat accuracy:	± 0.08 mm
Idle torque:	0.85 Nm
Moment of inertia:	$5.37 \cdot 10^{-5} \text{ kgm}^2$
(rotatory)	
Drive element:	Toothed belt 25 AT5-E
Stroke per revolution:	125 mm

F_x - v - Diagram

