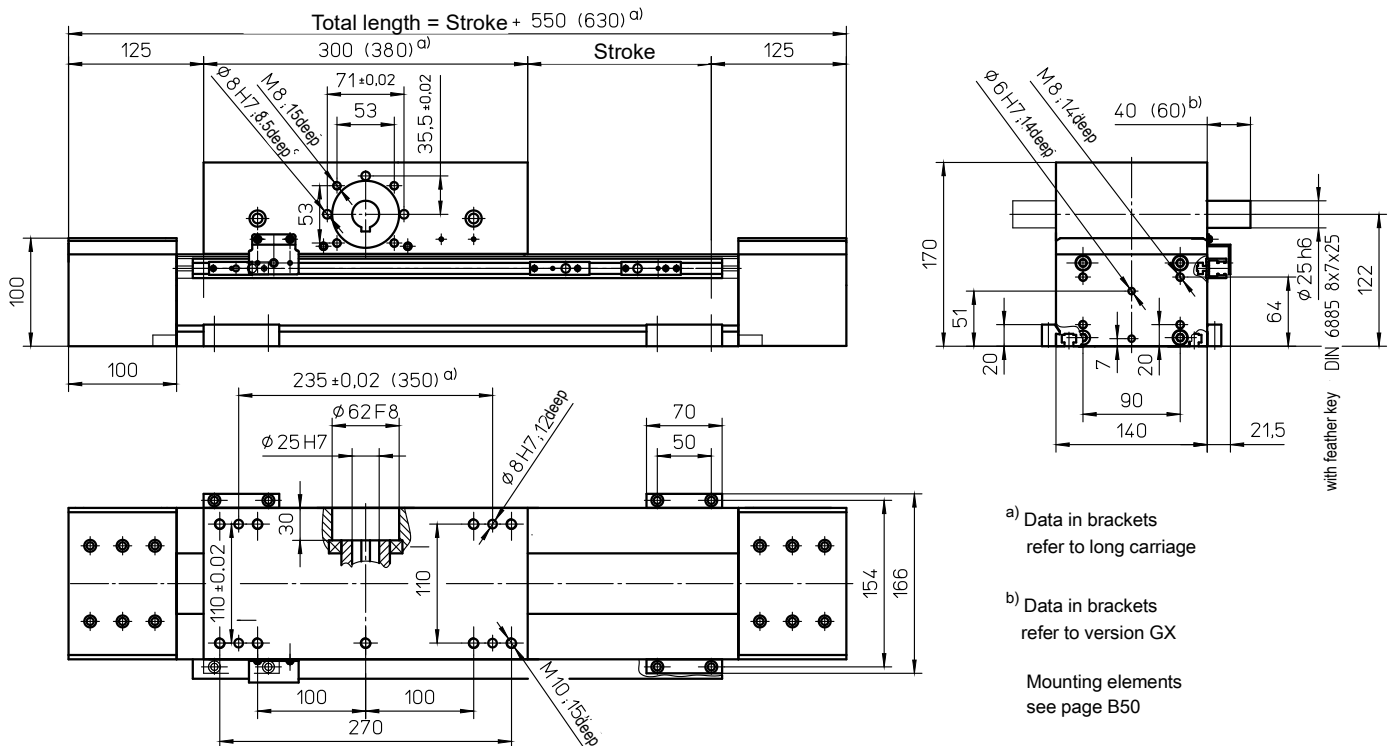


with toothed belt drive and double linear guide (ASS)



**Weights**

**ASS**

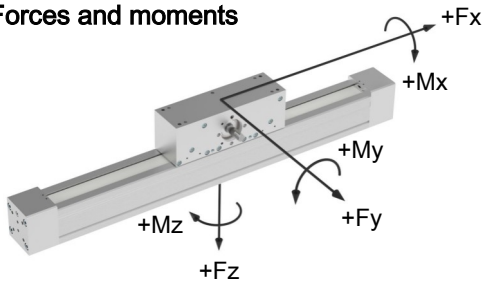
Basic length without stroke:	30.00 kg
100 mm stroke:	1.50 kg
Carriage drive 300 mm:	11.70 kg
Carriage drive 380 mm:	14.00 kg
Max. total length: (longer on request)	8100 mm

**Technical Data**

**ASS**

Max. speed:	5.00 m/s
Max. acceleration:	60 m/s <sup>2</sup>
Repeat accuracy:	± 0.08 mm
Idle torque:	3.50 Nm
Moment of inertia:	3.70 · 10 <sup>-2</sup> kgm <sup>2</sup>
Drive element:	Toothed belt <b>50 AT10-E</b>
Stroke per revolution:	240 mm

**Forces and moments**



ASS	
<b>Forces</b>	Dynamic [N]
F <sub>x</sub> <sup>d)</sup>	2500
F <sub>y</sub>	3200
F <sub>z</sub>	7500
-F <sub>z</sub>	5000
<b>Moments</b>	Dynamic [Nm]
M <sub>x</sub>	600
M <sub>y</sub>	1200 (1600)
M <sub>z</sub>	1200 (1600)

<sup>d)</sup> Maximum value (see diagram "F<sub>x</sub>-v-Diagram")  
Data in brackets refer to long carriage plate (380)

**F<sub>x</sub> - v - Diagram**

