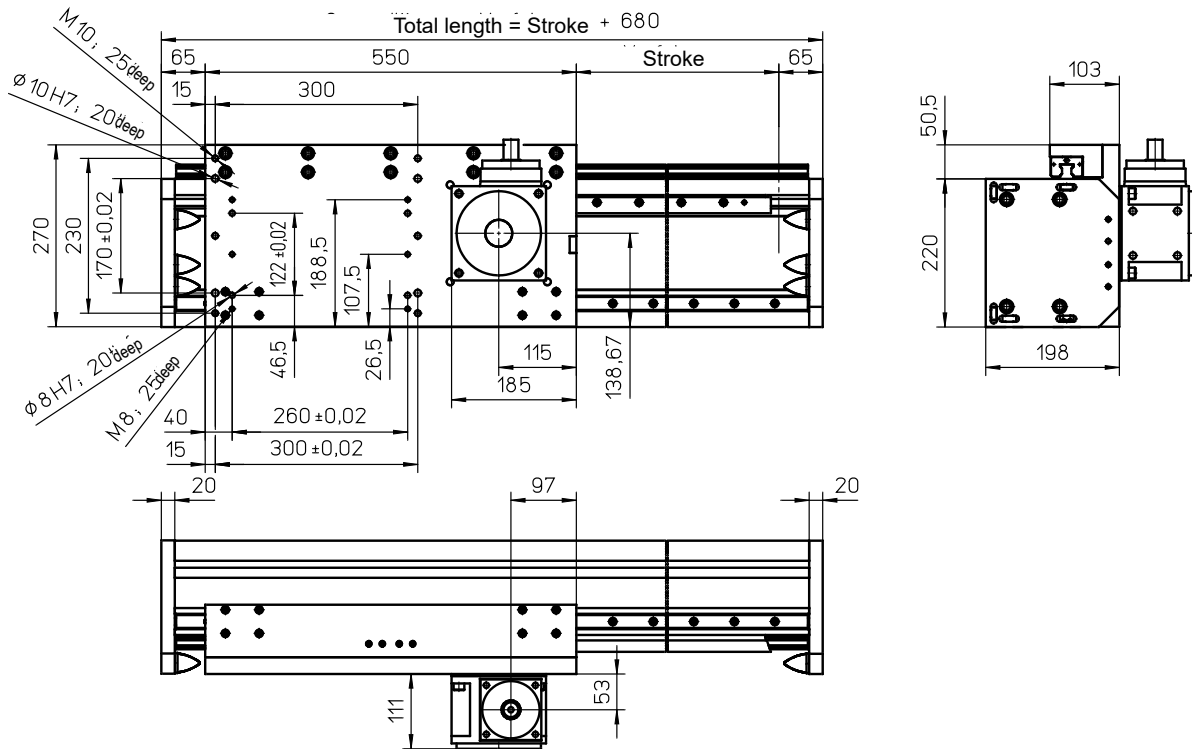


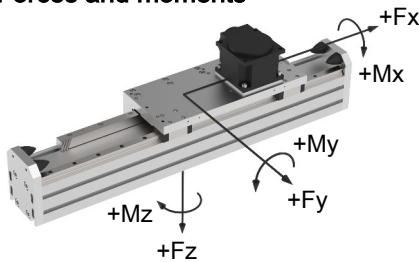
with rack-and-pinion drive module 2 (helical)  
and double linear guide (AZSS)



### Weights

	AZSS
Basic length without stroke:	49.80 kg*
100 mm stroke:	4.60 kg
Carriage 550 mm:	18.10 kg
Gears D90 / D115:	10.35 / 16.70 kg
Max. total length: (longer on request)	8020 mm

### Forces and moments



	AZSS-D90	AZSS-D115
<b>Forces</b>	Dynamic [N]	
<b>F<sub>x</sub></b>	3000-4000 **	5000-6000 **
<b>F<sub>y</sub></b>	20000	
<b>F<sub>z</sub></b>	20000	
<b>Moments</b>	Dynamic [Nm]	
<b>M<sub>x</sub></b>	4000	
<b>M<sub>y</sub></b>	8000	
<b>M<sub>z</sub></b>	8000	

### Technical Data

	AZSS
Max. speed:	4.50 m/s (D90) / 4.00 m/s (D115)
Max. acceleration:	20 m/s <sup>2</sup>
Repeat accuracy:	± 0.05 mm
Idle torque at drive pinion:	7.2 Nm
Rack and pinion:	Module 2 helical
Drive pinion:	Module 2, 30 teeth
Stroke per revolution:	200 mm
Servo-high-performance-gear:	DynaGear D90 / D115
Ratios:	5 / 10 / 15

	D90	D115
<b>Load F<sub>x</sub></b>	Dynamic [N]	
<b>i = 5:1</b>	4000	6000
<b>i = 10:1</b>		
<b>i = 15:1</b>	3000	5000

Preferred gear: D90  
Efficiency of gears: > 96 %

Variants for gear mounting see page G29.

\* inclusive standard gear

\*\* depending on gear ratio (see table to right)