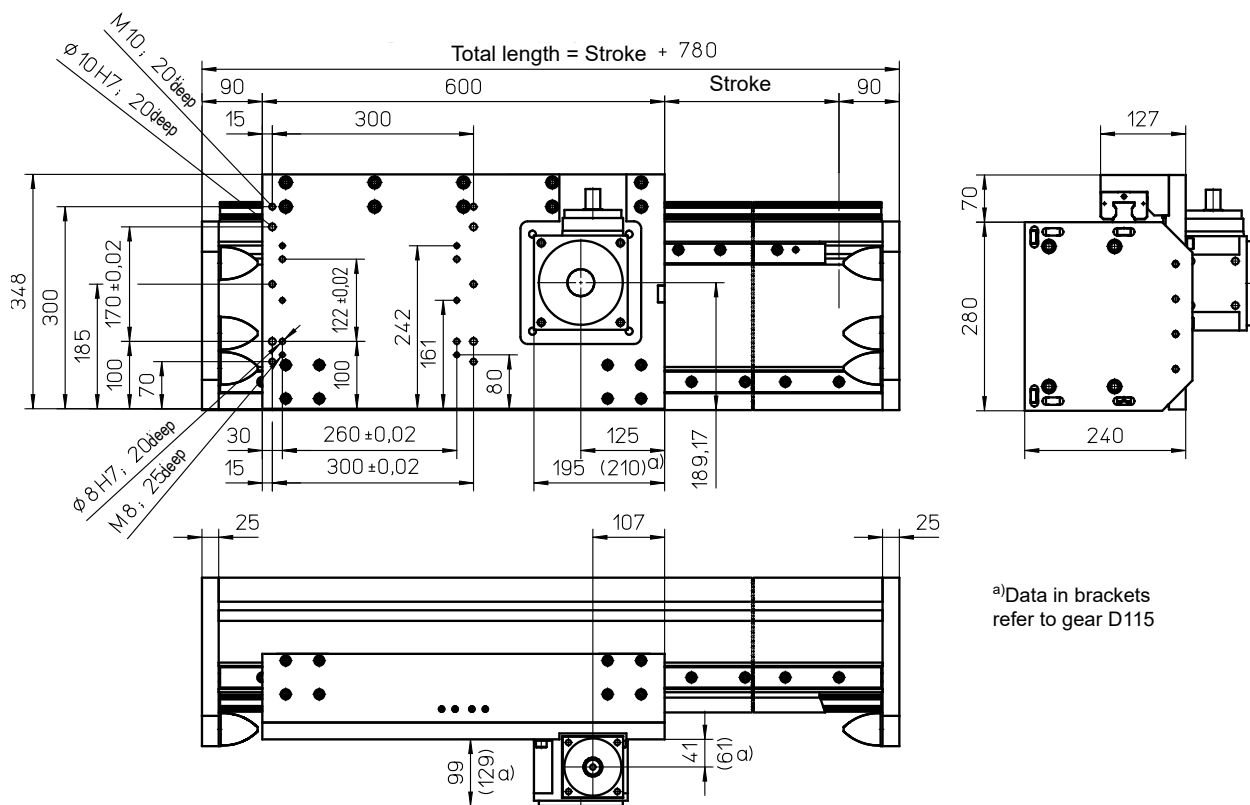


with rack-and-pinion drive (helical) and double linear guide (AZSS)



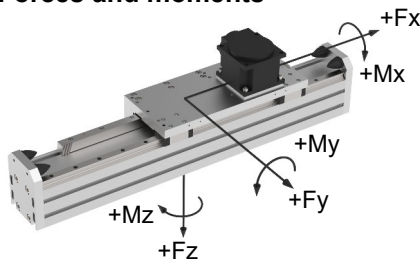
Weights

	AZSS
Basic length without stroke:	84.70 kg*
100 mm stroke:	6.95 kg
Carriage drive 600 mm:	27.80 kg
Gears D90 / D115:	10.35 / 16.65 kg
Max. total length: (longer on request)	8030 mm

Technical Data

	AZSS
Max. speed:	4.50 m/s (D90) / 4.00 m/s (D115)
Max. acceleration:	20 m/s ²
Repeat accuracy:	± 0.05 mm
Idle torque at drive pinion:	8.60 Nm
Rack and pinion:	Module 3 helical
Drive pinion:	Module 3, 20 teeth
Stroke per pinion revolution:	200 mm
Servo-high-performance-gear:	DynaGear D90 / D115
Ratios:	5 / 10 / 15

Forces and moments



	AZSS-D90	AZSS-D115
Forces	Dynamic [N]	
F_x	3000-4000 **	5000-7500 **
F_y	25000	
F_z	25000	
Moments	Dynamic [Nm]	
M_x	8000	
M_y	16000	
M_z	16000	

	D90	D115
Load F_x	Dynamic [N]	
i = 5:1	4000	7500
i = 10:1		
i = 15:1	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)