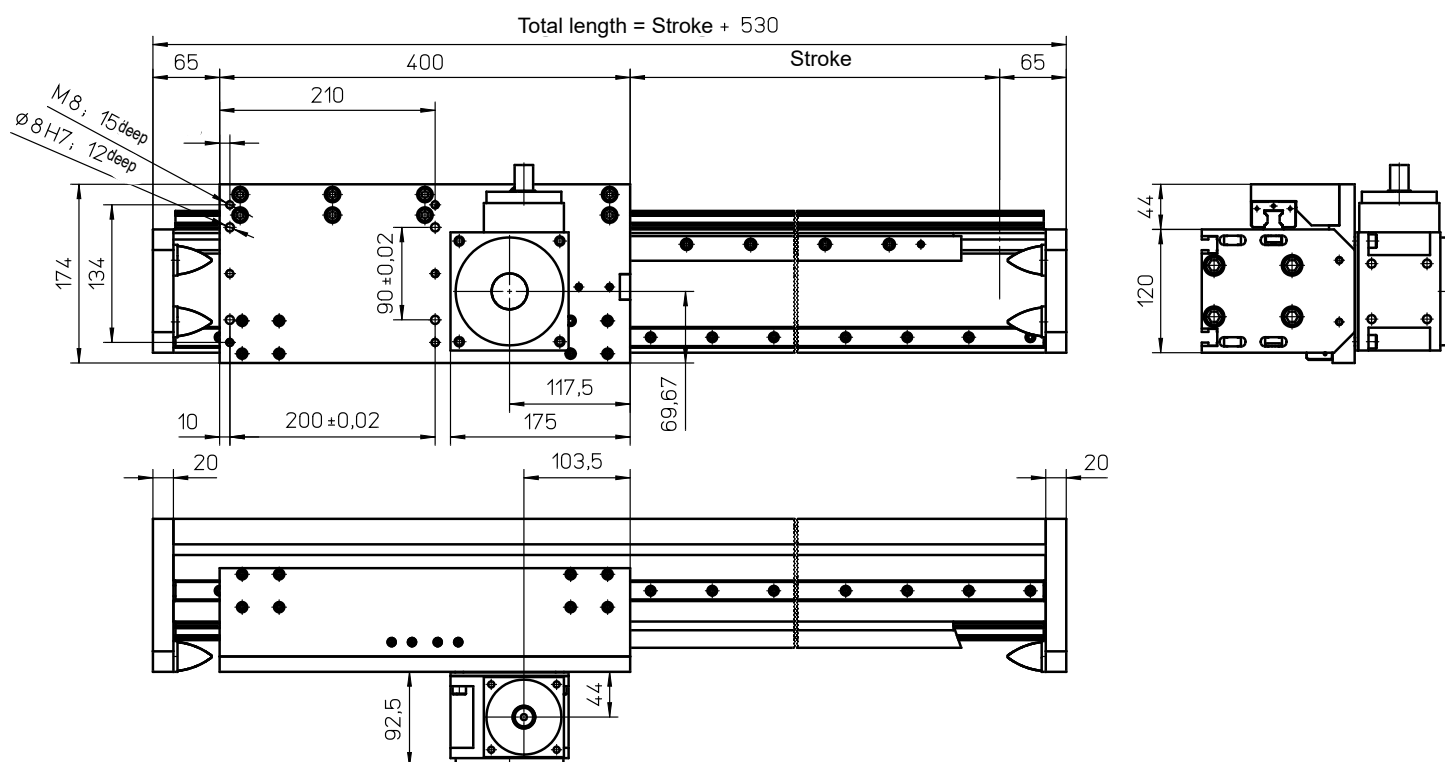


with rack-and-pinion drive (helical) and double linear guide (AZSS)

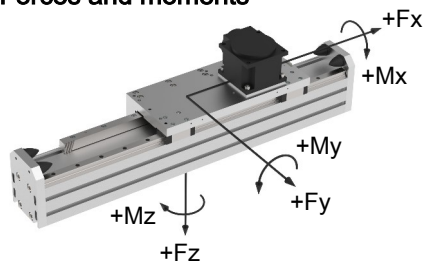


Weights

	AZSS
Basic length without stroke:	25.85 kg*
100 mm stroke:	2.10 kg
Carriage 400 mm:	8.20 kg
Gear D75:	6.30 kg

Max. total length: (longer on request)	8000 mm
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Forces and moments



	AZSS-D75
Forces	Dynamic [N]
F_x	1500-2200 **
F_y	8000
F_z	8000
Moments	Dynamic [Nm]
M_x	1500
M_y	4000
M_z	4000

Technical Data

	AZSS
Max. speed:	5.00 m/s
Max. acceleration:	20 m/s ²
Repeat accuracy:	± 0.05 mm
Idle torque at drive pinion:	4.80 Nm
Rack and pinion:	Module 2 helical
Drive pinion:	Module 2, 30 teeth
Stroke per pinion revolution:	200 mm
Servo-high-performance-gear:	DynaGear D75
Ratios:	5 / 10 / 15

	D75
Load F_x	Dynamic [N]
$i = 5:1$	2200
$i = 10:1$	
$i = 15:1$	1500

Efficiency of gears: > 96 %

Variants for gear mounting see page G29.

* inclusive gear

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