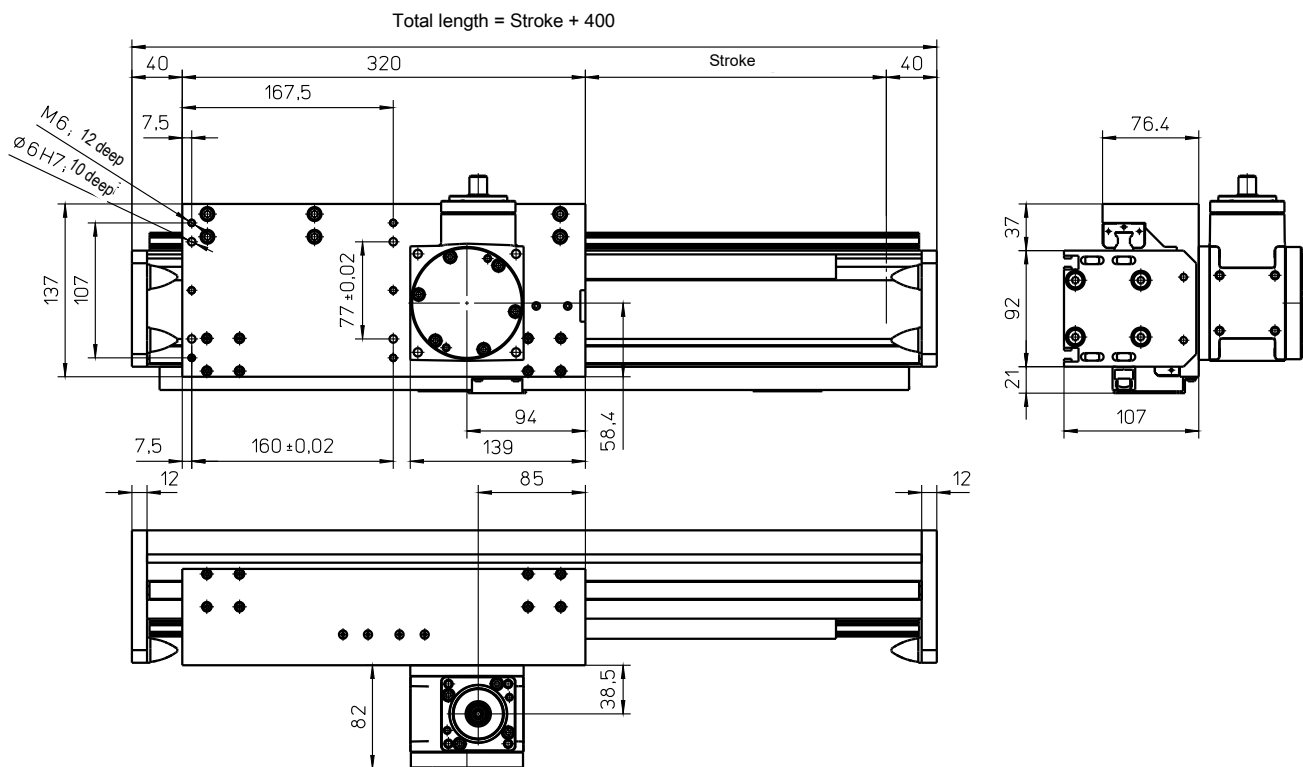


with rack-and-pinion drive (helical) and double linear guide (AZSS)



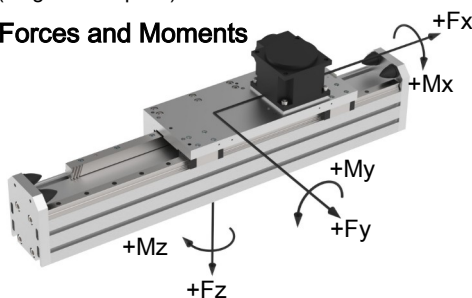
Weights

AZSS

Basic length without stroke:	14.85 kg*
100 mm stroke:	1.30 kg
Carriage 320 mm:	4.20 kg
Gear D55:	3.70 kg

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

Forces and Moments



AZSS-D55	
Forces	Dynamic [N]
F_x	1300-1800 **
F_y	3000
F_z	3000
Moments	Dynamic [Nm]
M_x	600
M_y	1800
M_z	1800

Technical Data

AZSS

Max. speed:	3.20 m/s
Max. acceleration:	20 m/s ²
Repeat accuracy:	± 0.05 mm
Idle torque at drive pinion:	2.5 Nm
Rack and pinion:	Module 2 helical
Drive pinion:	Module 2, 18 teeth
Stroke per revolution:	120 mm
Servo-high-performance-gear:	DynaGear D55
Ratios:	5 / 10 / 15

D55	
Force F_x	Dynamic [N]
$i = 5:1$	1800
$i = 10:1$	
$i = 15:1$	1300

Efficiency of gears: > 96 %

Variants for gear mounting see page G29.

* inclusive gear

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