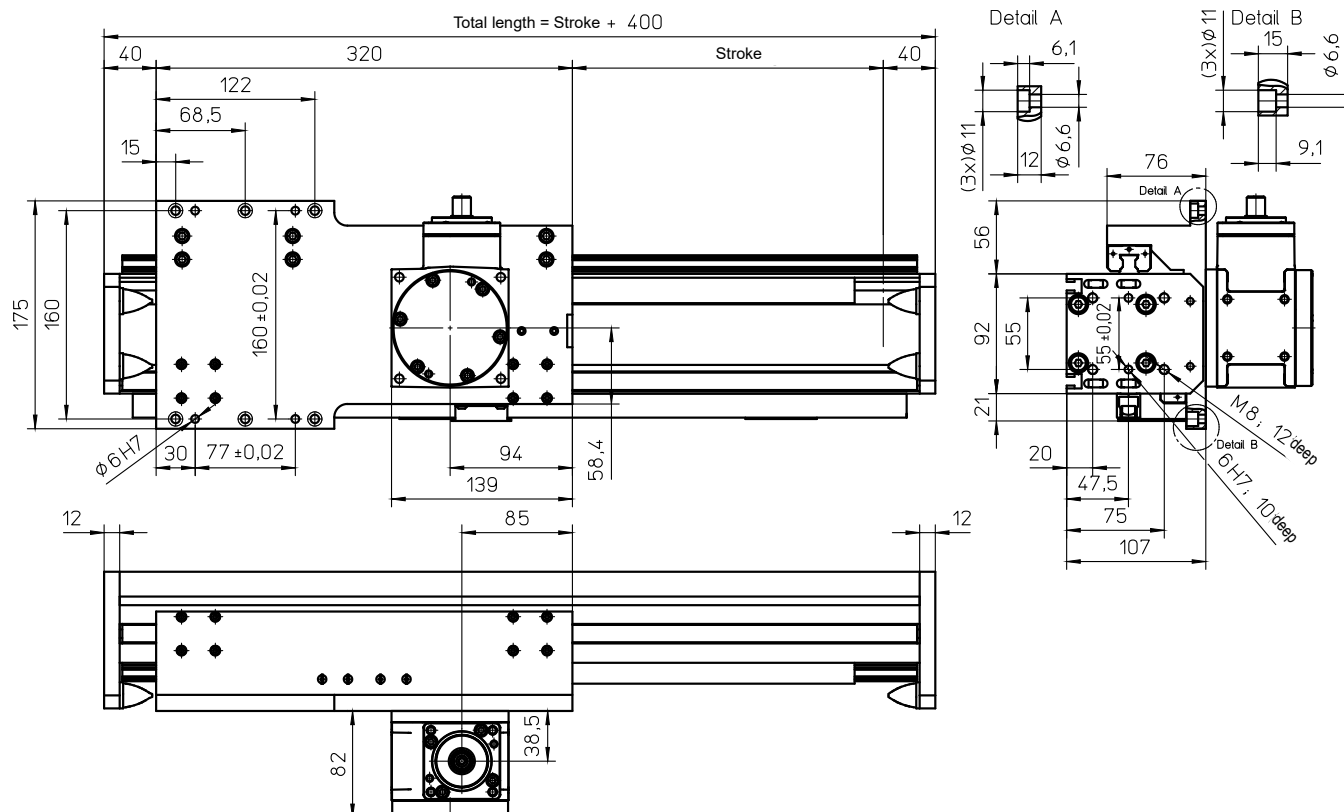


with rack-and-pinion drive (helical) and double linear guide (AZSH)



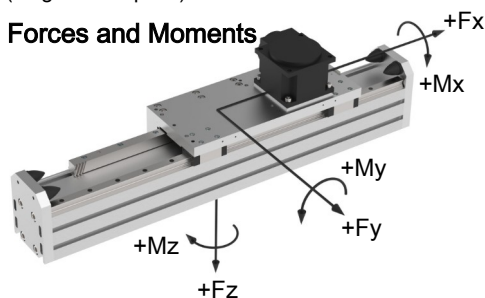
### Weights

### AZSH

Basic length without stroke:	15.00 kg*
100 mm stroke:	1.30 kg
Carriage 320 mm:	4.35 kg
Gear D55:	3.70 kg

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

### Forces and Moments



	AZSH-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

### AZSH

Max. speed:	3.20 m/s
Max. acceleration:	20 m/s <sup>2</sup>
Repeat accuracy:	± 0.05 mm
Idle torque at drive pinion:	2.5 Nm
Rack and pinion:	Modul 2 helical
Drive pinion:	Modul 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)