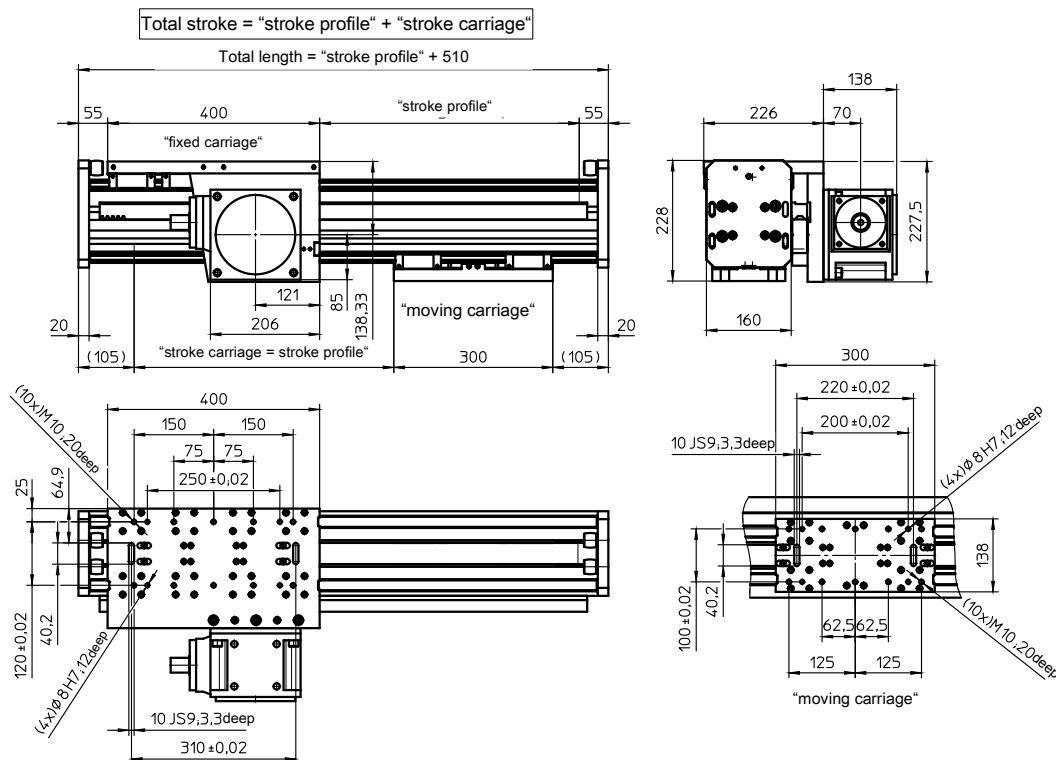


with rack-and-pinion drive module 3 (helical) and double linear guide (AZSS) and toothed belt drive of the moving carriage and double rail guide (ZSS)

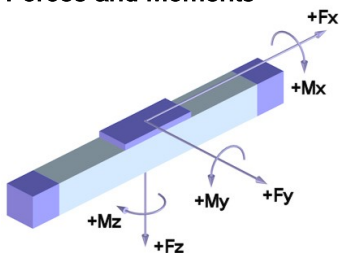


Weights

GDHE

Basic length without stroke:	72.20 kg*
Weight per 100 mm profile: (± 2x100 mm stroke)	4.00 kg
Carriage 400 mm incl. gear:	30.20 kg
Carriage 300 mm:	6.30 kg
Gear D115:	16.65 kg
Max. total length: (longer on request)	2010 mm

Forces and Moments



	GDHE-D115	
	Carriage with drive	Carriage without drive
Forces	Dynamic [N]	Dynamic [N]
F_x	5000-7500 **	
F_y	10000	10000
F_z	16000	16000
Moments	Dynamic [N]	Dynamic [N]
M_x	1800	1350
M_y	7000	5000
M_z	5800	4000

Technical Data

GDHE

Max. speed:	8.00 m/s
Max. acceleration:	20 m/s ²
Repeat accuracy:	±0.10 mm
Idle torque at drive pinion:	7.5 Nm
Drive element:	Toothed belt 40 AT10
Rack and pinion:	Module 3 helical
Drive pinion:	Module 3, 20 teeth
Stroke per revolution:	2 x 200 mm
Servo-High-performance-gear:	DynaGear D115
Ratios:	5 / 10 / 15

Load F _x	D115	
	Dynamic [N]	
i = 5:1	7500	
i = 10:1	5000	
i = 15:1	5000	

Efficiency of gears: > 96 %

* inclusive gear

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