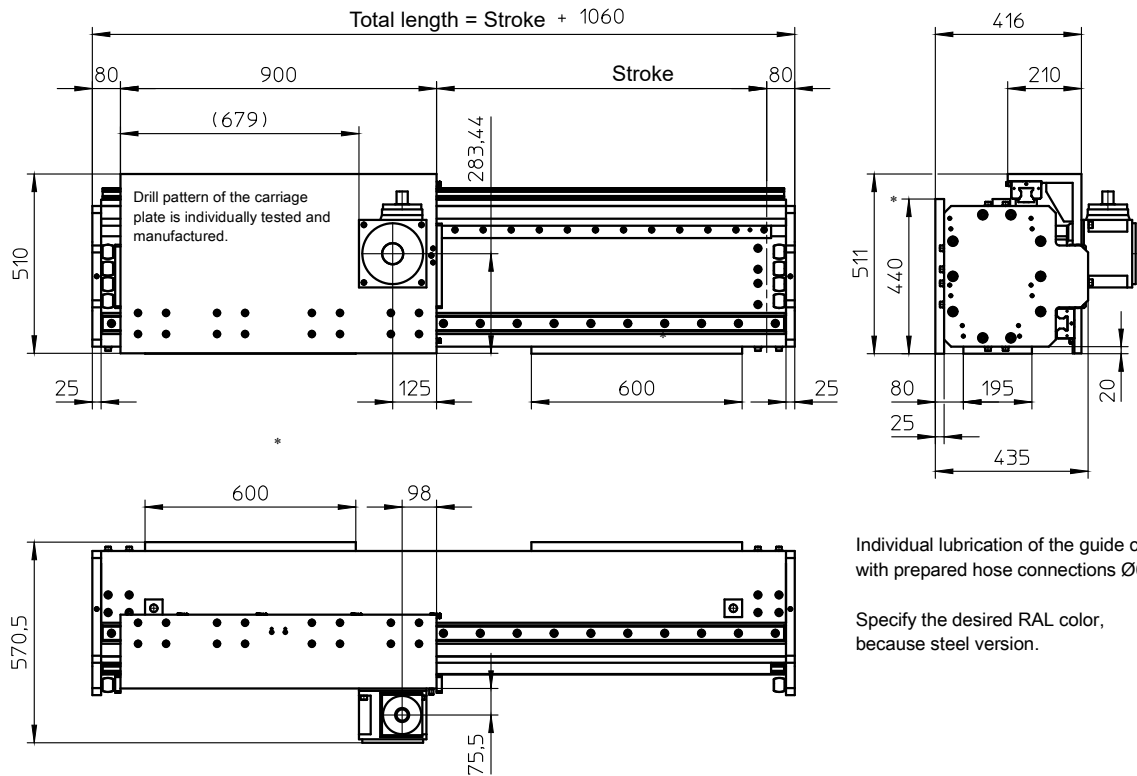


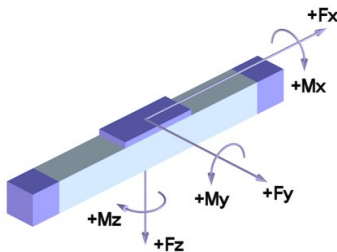
with rack-and-pinion drive module 4 (helical)  
and double linear guide (AZSS)



### Weights AZSS

Basic length without stroke:	557.00 kg*
100 mm stroke:	18.00 kg
Carriage 900 mm:	182.30 kg
Gear D130:	28.30 kg
Max. total length: (longer on request)	7800 mm

### Forces and Moments



AZSS-D130	
Forces	Dynamic [N]
$F_x$	6500-9500 **
$F_y$	60000
$F_z$	60000
Moments	Dynamic [Nm]
$M_x$	25000
$M_y$	35000
$M_z$	35000

### Technical Data

AZSS	
Max. speed:	4.00 m/s
Max. acceleration:	20 m/s <sup>2</sup>
Repeat accuracy:	±0.05 mm
Idle torque at drive pinion:	12.0 Nm
Rack and pinion:	Module 4 helical
Drive pinion:	Module 4, 21 teeth
Stroke per revolution:	280 mm
Servo-high-performance-gear:	DynaGear D130
Ratios:	5 / 10 / 15

D130	
Load $F_x$	Dynamic [N]
$i = 5:1$	9500
$i = 10:1$	
$i = 15:1$	6500

Efficiency of gears: > 96 %

Variants for gearbox mounting see catalogue page G29.

\* inclusive gear and two mounting plates

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