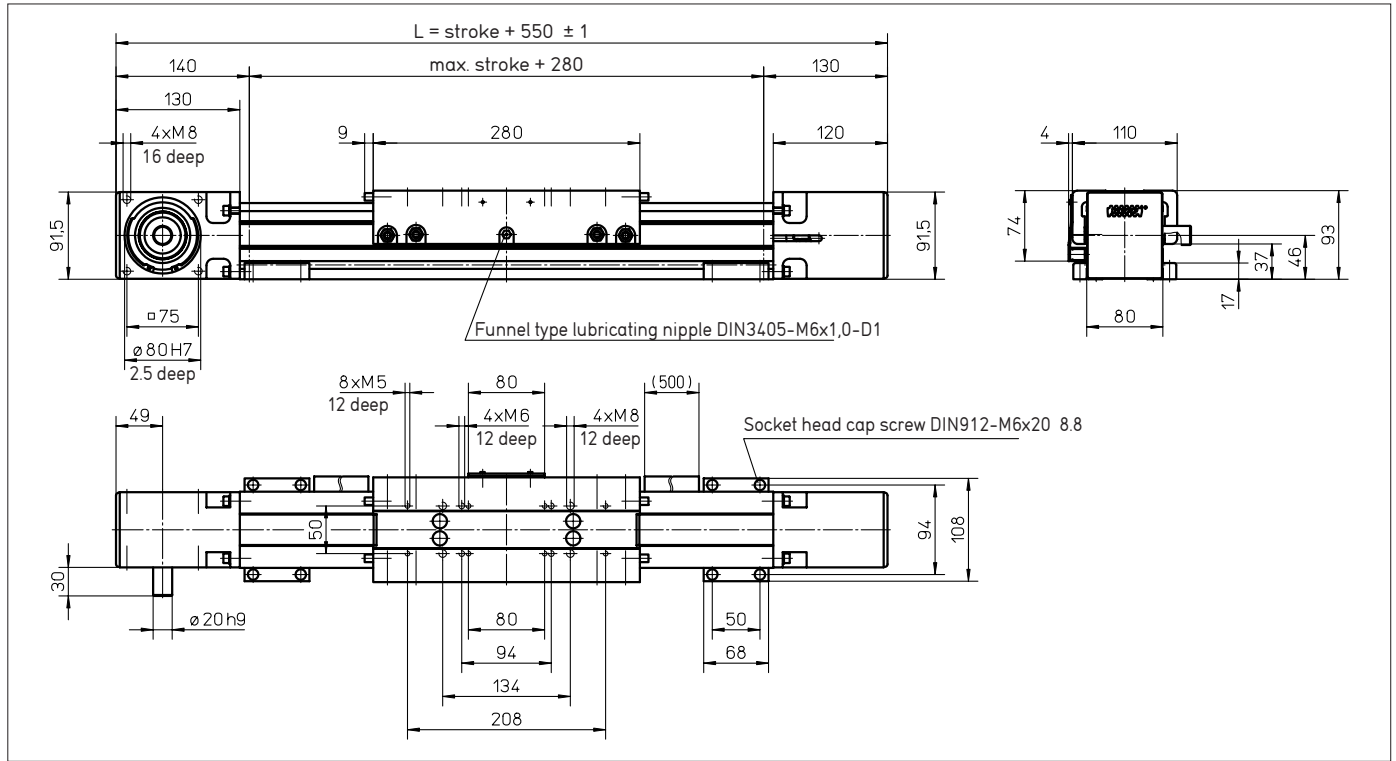


WIESEL SPEEDLine® WH80

with roller guideway and ATL toothed belt



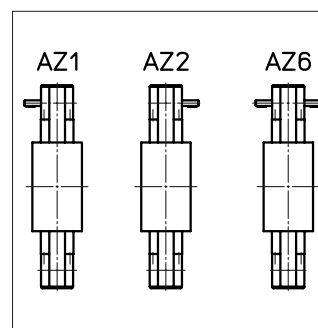
Note: Mounted wipers on request. The use of a long power bridge increases the total length.

Technical data

- Linear speed: _____ max. 10 m/s
- Repeatability: _____ ± 0.05 mm
- Acceleration: _____ max. 40 m/s²
- Drive element: _____ Toothed belt 32ATL10
- Pulley diameter: _____ 63.66 mm
- Stroke per revolution: _____ 200 mm
- Stroke length: _____ up to 11000 mm
- Length of power bridge: _____ 280 or 450 mm, see page 26
- Geometrical moment of inertia: $I_y 1.93 \cdot 10^6 \text{ mm}^4$
 $I_z 1.80 \cdot 10^6 \text{ mm}^4$
- Weights
Basic unit with zero stroke: _____ 8.63 kg
100 mm stroke: _____ 0.93 kg
Power bridge with carriage: _____ 2.75 kg
- Provided: _____ with 4 pieces KAO mounting brackets

Execution of drive shafts

(Detailed description see page 123)
Other executions on request.

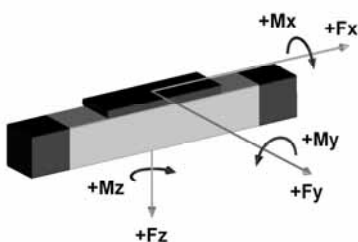


Idle torque [Nm]

Rotational speed [rpm]	M_{idle} [Nm]
150	2.4
1500	3.5
3000	5.0

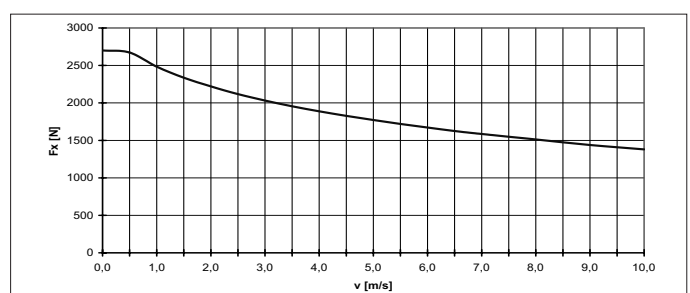
Note: For tube lengths of 6300 mm and over, the tubular profile is composed of two parts. The joint must be adequately supported. It may be possible to position the joint according to customer's wishes.

Loads and load moments



Load	dynam. [N]
F_x drive ¹⁾	max. 2700
F_y	882
$\pm F_z$	2100
Load moment	dynam. [Nm]
M_x	75
M_y ²⁾	230
M_z ²⁾	100

F_x depending on the linear speed



Order Code see page 123

¹⁾ Depending on the speed, see respective chart.

²⁾ Increase of the admissible values by the use of a long power bridge or additional free-sliding power bridge (page 26 and 27).