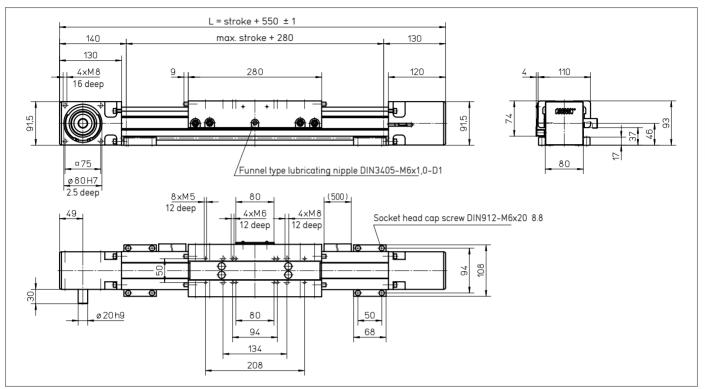
# WIESEL SPEEDLine® WH80

# with roller guideway and ATL toothed belt



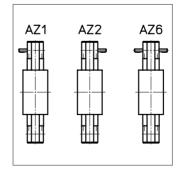
Note: Mounted wipers on request. The use of a long power bridge increases the total length.

## **Technical data**

Linear speed:	_ max. 10 m/s
Repeatability:	_ ± 0.05 mm
<ul><li>Acceleration:</li></ul>	_ max. 40 m/s <sup>2</sup>
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
<ul><li>Geometrical moment of inertia:</li></ul>	ly 1.93 · 10 <sup>6</sup> mm <sup>4</sup>
	lz 1.80 · 10 <sup>6</sup> mm <sup>4</sup>
<ul><li>Weights</li></ul>	
Basic unit with zero stroke:	_ 8.63 kg
100 mm stroke:	0.93 kg
Power bridge with carriage:	
■ Provided:	with 4 pieces KAO mounting
	hrackets

#### **Execution of drive** shafts

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

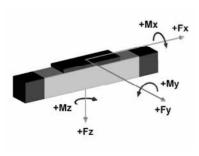


# Idle torque [Nm]

Rotational speed [rpm]	M <sub>idle</sub> [Nm]
150	2.4
1500	3.5
3000	5.0

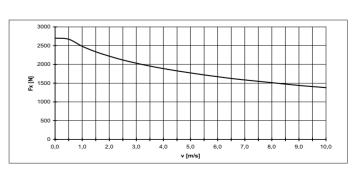
Note: For tube lengths of 6300 mm and over, the tubular profile is composed of two parts. The joint must be adequately supported. It may be possible to position the joint according to customer's wishes.

## Loads and load moments



Load	dynam. [N]
Fx drive <sup>1)</sup>	max. 2700
Fy	882
±Fz	2100
Load moment	dynam. [Nm]
Mx	75
My <sup>2)</sup>	230
Mz <sup>2)</sup>	100

## Fx depending on the linear speed



- <sup>10</sup> Depending on the speed, see respective chart. <sup>21</sup> Increase of the admissible values by the use of a long power bridge or additional free-sliding power bridge (page 26 and 27).