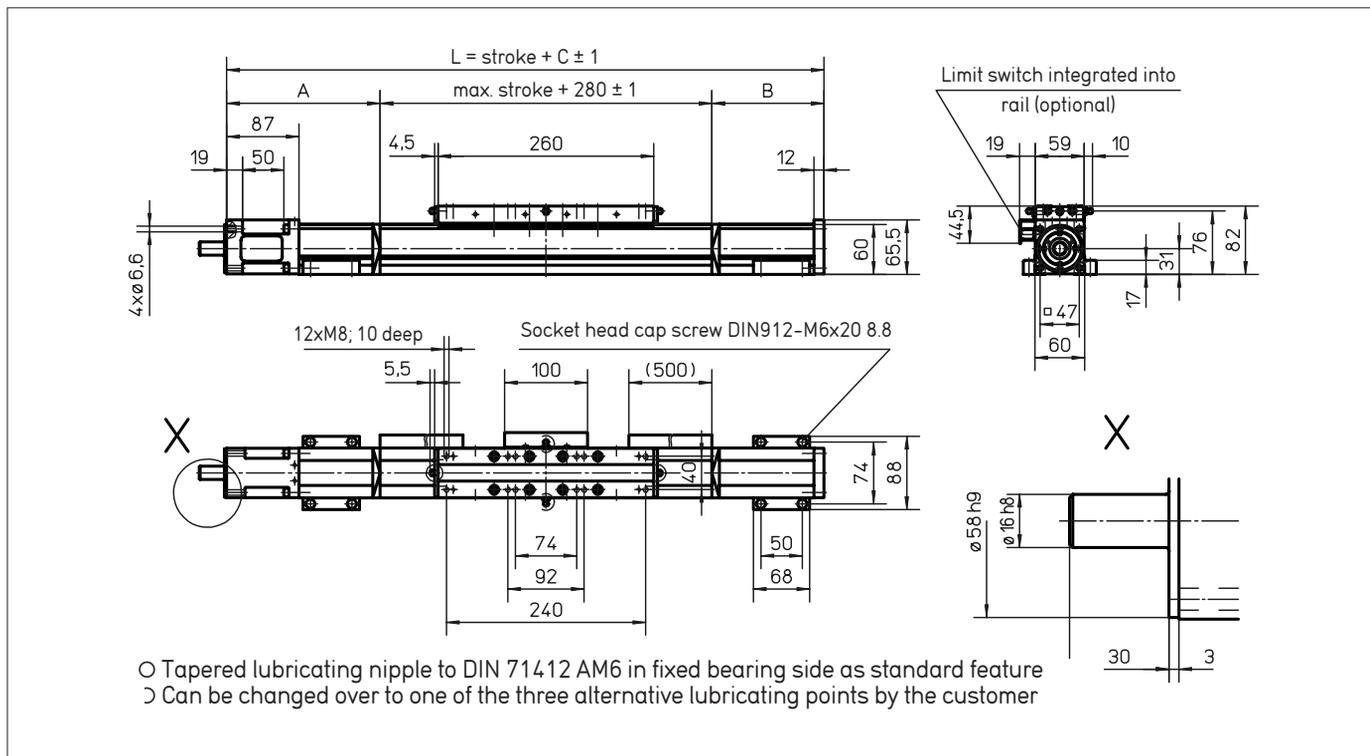


# WIESEL *POWERLine*® WM60

with ball screw drive and integrated ball-recirculating guide system



## Technical data

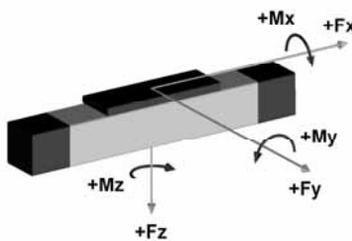
- Linear speed: \_\_\_\_\_ max. 2.5 m/s
- Repeatability: \_\_\_\_\_ ± 0.01 mm
- Acceleration: \_\_\_\_\_ max. 20 m/s<sup>2</sup>
- Rotational speed: \_\_\_\_\_ max. 3000 rpm
- Drive element: \_\_\_\_\_ Pretensioned ball screw
- Diameter: \_\_\_\_\_ 20 mm
- Lead: \_\_\_\_\_ 5, 20, 50 mm
- Stroke length: \_\_\_\_\_ up to 11,000 mm with pitch 50 mm max. 5000 mm
- Power bridge: \_\_\_\_\_ 260 or 450 mm long see page 55
- Geometrical moment of inertia:  $I_y 5.8 \cdot 10^5 \text{ mm}^4$   
 $I_z 5.9 \cdot 10^5 \text{ mm}^4$
- Weights
  - Basic unit with zero stroke: \_\_\_\_\_ 6.16 kg
  - 100 mm stroke: \_\_\_\_\_ 0.65 kg
  - Power bridge with carriage: \_\_\_\_\_ 1.99 kg
- Provided: \_\_\_\_\_ with 4 pieces KAO mounting brackets

## Idle torques [Nm]

Rotational speed [rpm]	Lead P [mm]		
	5	20	50
150	0.6	1.1	1.5
1500	1.1	1.8	2.3
3000	1.6	2.0	2.5

**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 specification. For screw leads > 20 mm, excess lengths cannot be implemented.

## Loads and load moments



Load	dynam. [N]
Fx drive	4000
Fy	2000
± Fz	2000
Load moment	dynam. [Nm]
Mx	100
My <sup>1)</sup>	200
Mz <sup>1)</sup>	200

## Additional lengths as a function of the stroke

Stroke length [mm]	A [mm]	B [mm]	Additional length C [mm]
0-695	115	65	460
696-1335	165	115	560
1336-2075	185	135	600
2076-2780	210	160	650
2781-3545	230	180	690
3546-4285	250	200	730
4286-5015	275	225	780