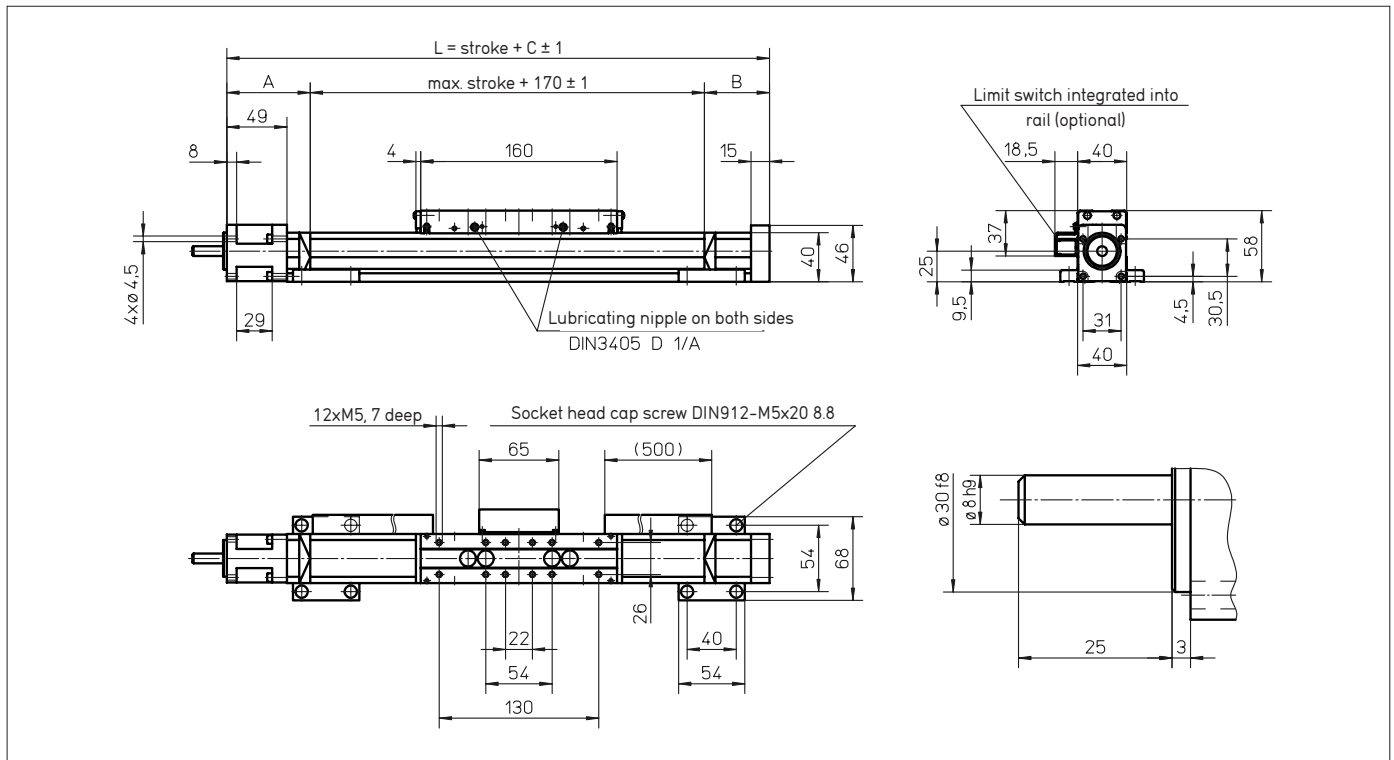


WIESEL *POWERLine*® WM40

with ball screw drive and integrated linear guide



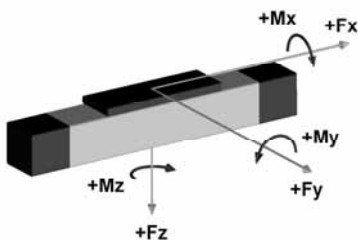
Technical data

- Linear speed: _____ max. 0.25 m/s
- Repeatability: _____ ± 0.01 mm*
- Acceleration: _____ max. 20 m/s²
- Rotational speed: _____ max. 3000 rpm
- Drive element: _____ ball screw**
- Diameter: _____ 12 mm
- Lead: _____ 5 mm
- Stroke length: _____ up to 2.000 mm
- Power bridge: _____ 160 or 210 mm long
see page 55
- Geometrical moment of inertia: ly 10.8 · 10⁴ mm⁴
lz 13.4 · 10⁴ mm⁴
- Weights
Basic unit with zero stroke: _____ 1.5 kg
100 mm stroke: _____ 0.3 kg
Power bridge with carriage: _____ 0.36 kg
- Provided: _____ with 4 pieces KAO mounting brackets

*with double nut preloaded

**single nut with low backlash or double nut preloaded

Loads and load moments



Load	dynam. [N]
Fx drive	1000
Fy	450
± Fz	600
Load moment	dynam. [Nm]
Mx	10
My ⁽¹⁾	30
Mz ⁽¹⁾	30

Idle torques [Nm]

Rotational speed [rpm]	Lead P [mm]
	5
150	0.3
1500	0.5
3000	0.8

Additional lengths as a function of the stroke

Stroke length [mm]	A [mm]	B [mm]	Additional length C [mm]
0-500	65	35	270
501-1100	65	45	280
1101-2000	70	60	300

Rotational speed of the screw as a function of the total length

