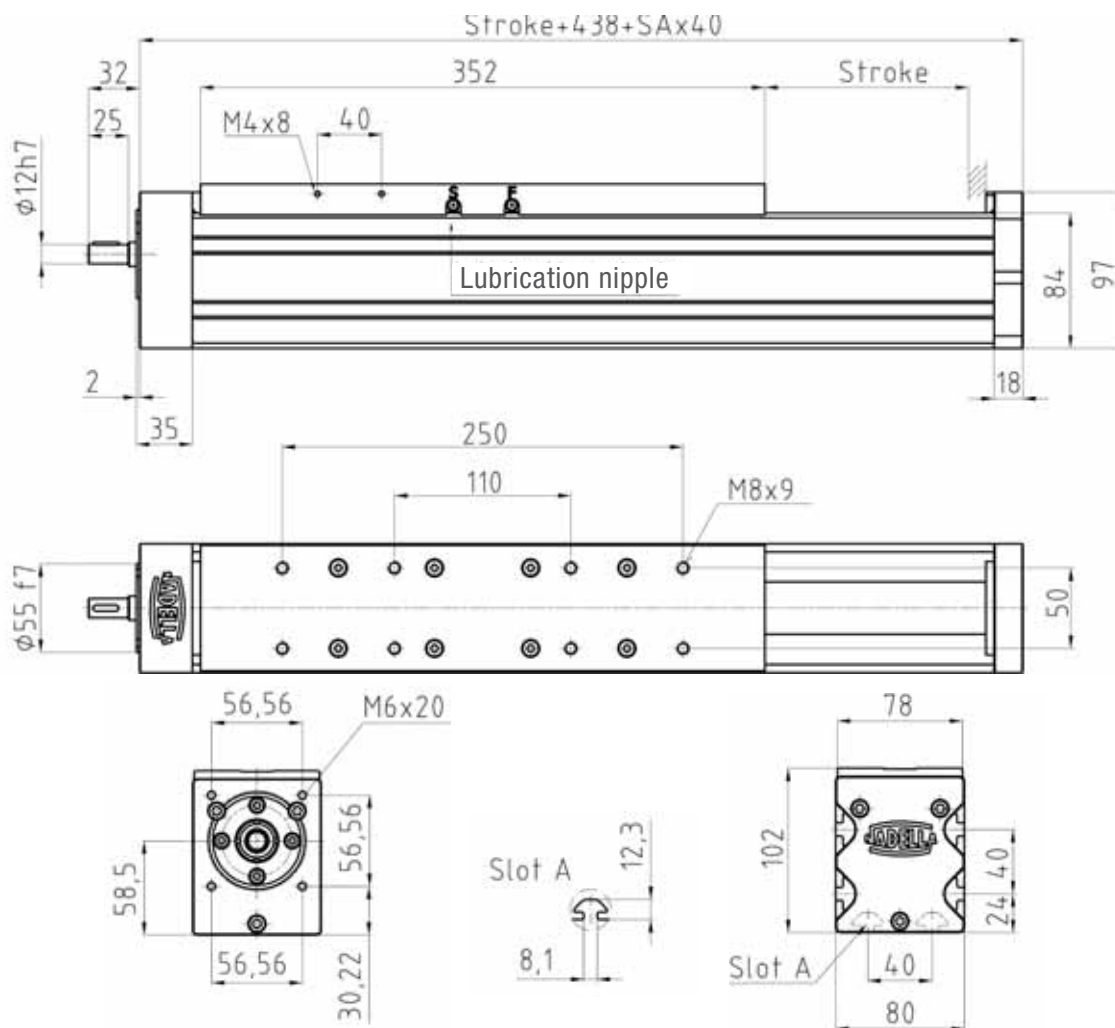


BASIC-LINE AXNP-S

AXNP 80-S

Linear actuator with ball screw drive and rail guide.



Stroke calculation: effective stroke + safety overrun

SA = number of spindle support sets

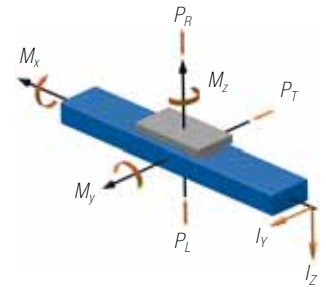
For motor connection see chapter drive adaption

Lubrication: S = ball screw; F = rail guide

5.4

LOADS AND LOAD MOMENTS*

	Rail guide B 20	
Loads (N)	dyn.	stat.
P_R	5400	15000
P_L	5400	15000
P_T	5400	15000
Load moments (Nm)		
M_x	54	150
M_y	420	1150
M_z	420	1150



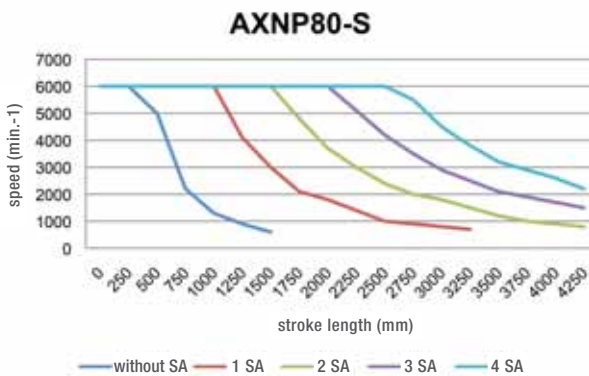
* The dynamic load of the guide system is based on a nominal lifetime of 54000 km

TECHNICAL DATA

Max. speed	2 m/s
Repeating accuracy	± 0.03 mm
Actuation	Ball screw $\varnothing 20$ mm
Max. dynamic working load	8000 – 17500 N
Pitch	5 / 20 mm
Idle-running torque	0.6 Nm
Moment of inertia	0.82 kgcm ² /m
Max. length overall	4 m
Geometrical moment of inertia I_y	193.5 cm ⁴
Geometrical moment of inertia I_z	207.1 cm ⁴

MASS

	Rail guide B 20
Basic mass	8.6 kg
Mass per 100 mm stroke	1.2 kg
Slide mass	2.7 kg



SA = 1 set of spindle support