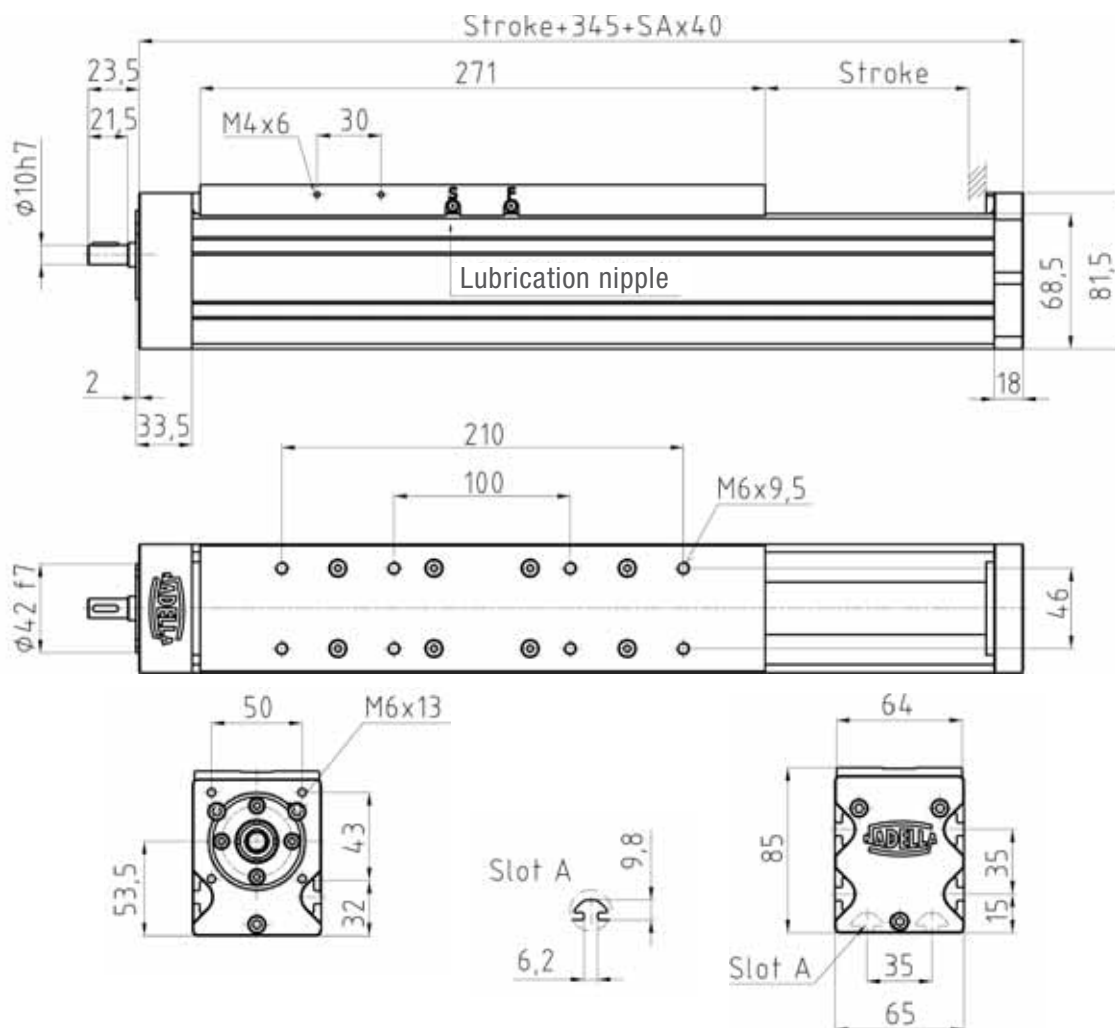


BASIC-LINE AXNP-S

AXNP 65-S

Linear actuator with ball screw drive and rail guide.



Stroke calculation: effective stroke + safety overrun

SA = number of spindle support sets

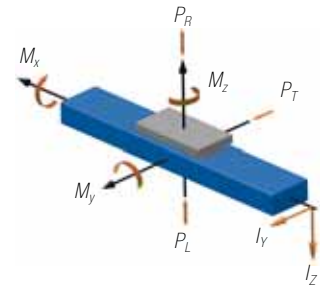
For motor connection see chapter drive adaption

Lubrication: S = ball screw; F = rail guide

5.3

LOADS AND LOAD MOMENTS*

	Rail guide B 15	
Loads (N)	dyn.	stat.
P_R	1400	3900
P_L	1400	3900
P_T	1400	3900
Load moments (Nm)		
M_x	10	30
M_y	65	185
M_z	65	185



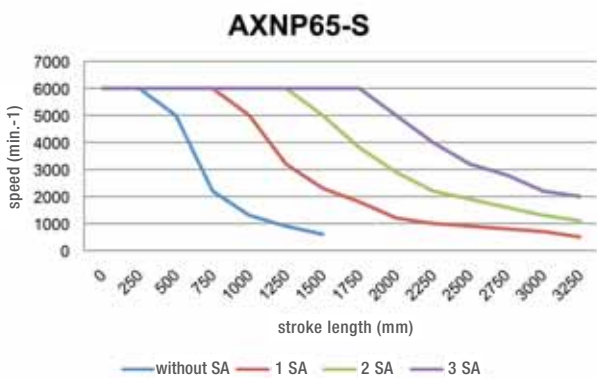
* The dynamic load of the guide system is based on a nominal lifetime of 54000 km

TECHNICAL DATA

Max. speed	1.6 m/s
Repeating accuracy	± 0.03 mm
Actuation	Ball screw $\varnothing 16$ mm
Max. dynamic working load	6500 – 12000 N
Pitch	5 / 10 / 16 mm
Idle-running torque	0.5 Nm
Moment of inertia	0.33 kgcm ² /m
Max. length overall	3 m
Geometrical moment of inertia I_y	76.3 cm ⁴
Geometrical moment of inertia I_z	87.3 cm ⁴

MASS

	Rail guide B 15
Basic mass	4.6 kg
Mass per 100 mm stroke	0.8 kg
Slide mass	1.4 kg



SA = 1 set of spindle support