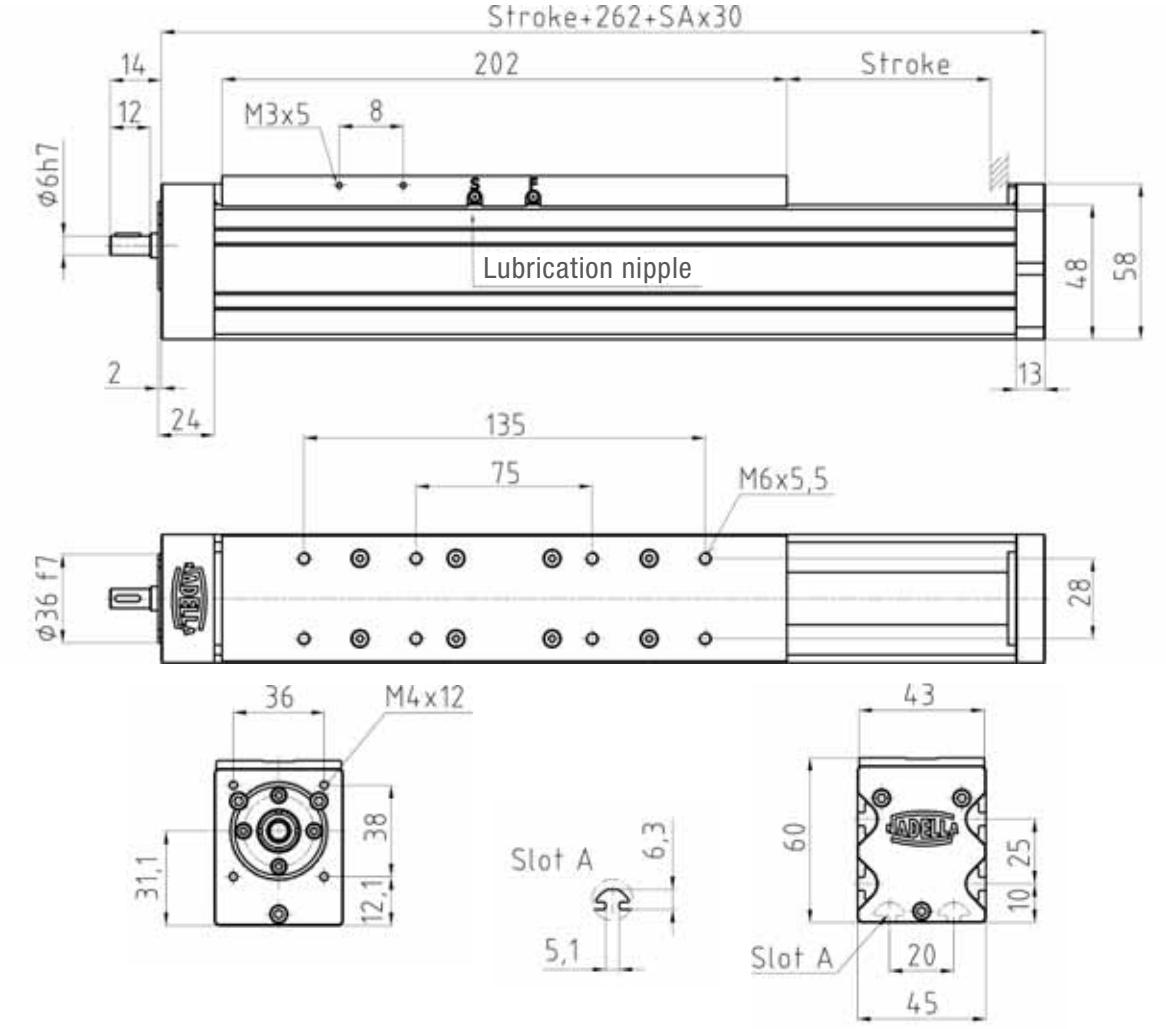
BASIC-LINE AXNP-S
AXNP 45-S

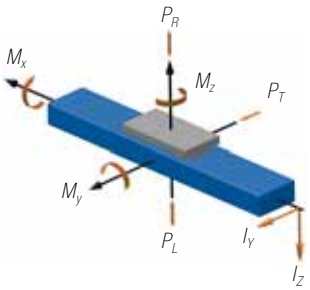
Linear actuator with ball screw drive and rail guide.



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

LOADS AND LOAD MOMENTS*

	Rail guide B 9	
Loads (N)	dyn.	stat.
P_R	660	910
P_L	660	910
P_T	660	910
Load moments (Nm)		
M_x	5	6
M_y	20	25
M_z	20	25



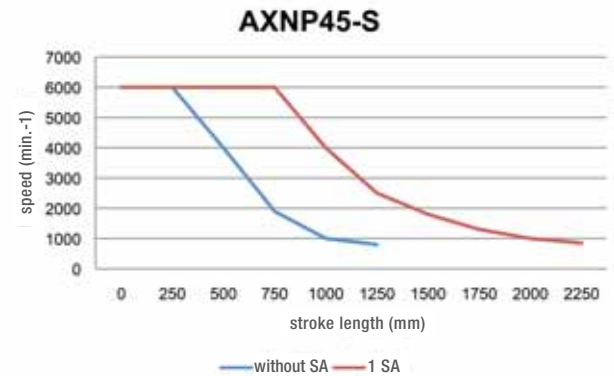
** The dynamic load of the guide system is based on a nominal lifetime of 54000 km*

TECHNICAL DATA

Max. speed	1 m/s
Repeating accuracy	± 0.03 mm
Actuation	Ball screw Ø 12 mm
Max. dynamic working load	3600 N
Pitch	5 / 10 mm
Idle-running torque	0.4 Nm
Moment of inertia	0.11 kgcm²/m
Max. length overall	2 m
Geometrical moment of inertia I_Y	20.3 cm⁴
Geometrical moment of inertia I_Z	21.7 cm⁴

MASS

	Rail guide B 9
Basic mass	1.6 kg
Mass per 100 mm stroke	0.4 kg
Slide mass	0.45 kg



SA = 1 set of spindle support