

PROJECT PLANNING SHEET



Electric Actuator EA

Customer data

Company: _____	Processed by: _____
Technical consultant: _____	Date: _____
Purchasing consultant: _____	Project name: _____

Project plan

Quantity: _____	Period: _____
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System data

Drive type: <input type="checkbox"/> Ball screw	Stroke length X [mm]: _____
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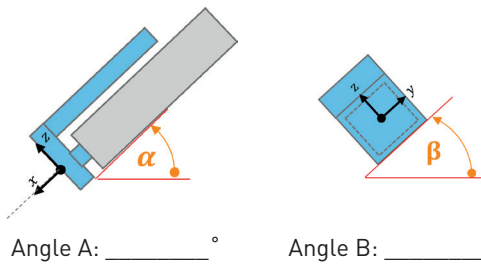
Operating data

Cycles/hour: _____	Hours/day: _____	Days/year: _____
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Cycle (travel distance, process time, travel speed, acceleration and non-productive times (breaks, gripper timer etc.))

Path Nr.	Travel distance [mm]	Positioning t_{pos} [s]	v_{max} [m/s]	a_{max} [m/s ²]	Break t_{pause} [s]	Description of the operation or non-productive times
1						
2						
3						
4						
5						

Electric actuators positioning in space

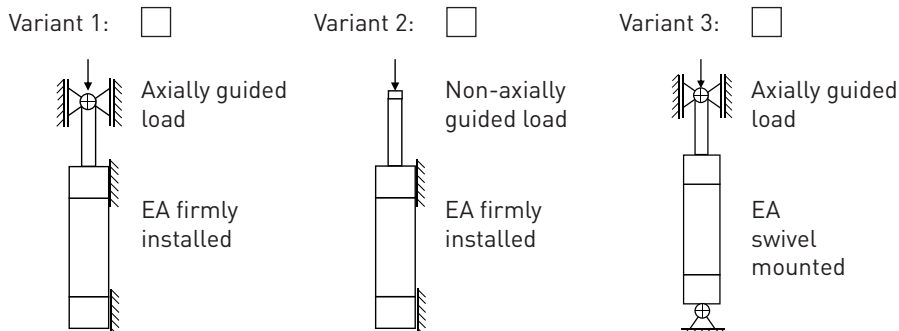


View: Front view
(looking at the piston tube or flange plate from the front)

Moving Mass:
m = _____ [kg]

Centre of gravity of the moving mass m:
 x_m = _____ [mm]
 y_m = _____ [mm]
 z_m = _____ [mm]

Attachment variants



External forces:
 F_x = _____ [N]
 F_y = _____ [N]
 F_z = _____ [N]

Force transmission point:
 x_F = _____ [mm]
 y_F = _____ [mm]
 z_F = _____ [mm]

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Options	
Piston tube extension:	_____ mm
Slide guide:	<input type="checkbox"/> 1 Slide guide <input type="checkbox"/> 2 Slide guides
Position of the slide guide:	<input type="checkbox"/> ANNN (Above) <input type="checkbox"/> BNNN (Below) <input type="checkbox"/> LNNN (Left) <input type="checkbox"/> RNNN (Right)
	<input type="checkbox"/> ABNN (Above and below) <input type="checkbox"/> LRNN (Left and right) <input type="checkbox"/> ARNN (Above and right)
	<input type="checkbox"/> ALNN (Above and left) <input type="checkbox"/> BRNN (Below and right) <input type="checkbox"/> BLNN (Below and left)
Flange plate:	<input type="checkbox"/> Standard <input type="checkbox"/> Special
Limit switch:	<input type="checkbox"/> N = Without limit switch <input type="checkbox"/> A = 1 × Contact, 300 mm cable, plug <input type="checkbox"/> B = 2 × Contacts, 300 mm cable, plug <input type="checkbox"/> C = 1 × Contact, 2 m open cable end <input type="checkbox"/> D = 2 × Contacts, 2 m open cable end
Drive interface:	<input type="checkbox"/> Without interface
	<input type="checkbox"/> Direct motor mounting <input type="checkbox"/> S1 <input type="checkbox"/> S2
	<input type="checkbox"/> Belt drive <input type="checkbox"/> R <input type="checkbox"/> L <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> i = 1,0 <input type="checkbox"/> i = 1,5 <input type="checkbox"/> S <input type="checkbox"/> N

Application (Sector, machine, application, ambient conditions, sketch)

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Accessories	
<input type="checkbox"/> HIWIN servo motor	Break <input type="checkbox"/> With motor brake <input type="checkbox"/> Without motor brake Encoder <input type="checkbox"/> 23 bit absolute singleturn <input type="checkbox"/> 23 bit absolute multiturn
<input type="checkbox"/> HIWIN servo drive	Interface <input type="checkbox"/> EtherCAT CoE <input type="checkbox"/> PROFINET <input type="checkbox"/> Step-direction/+-10V <input type="checkbox"/> _____
<input type="checkbox"/> Motor cable	<input type="checkbox"/> 3m <input type="checkbox"/> 5m <input type="checkbox"/> 10m <input type="checkbox"/> _____
<input type="checkbox"/> Encoder cable	<input type="checkbox"/> 3m <input type="checkbox"/> 5m <input type="checkbox"/> 10m <input type="checkbox"/> _____
<input type="checkbox"/> Extension cable for limit switches	<input type="checkbox"/> 3m <input type="checkbox"/> 5m <input type="checkbox"/> 7m <input type="checkbox"/> 10m <input type="checkbox"/> 15m
<input type="checkbox"/> Further cables	<input type="checkbox"/> USB parameterisation cable <input type="checkbox"/> E/A-cable <input type="checkbox"/> STO-cable, 3m
<input type="checkbox"/> Mains filter	
<input type="checkbox"/> T nuts	Quantity: _____ PU (10 pcs.)
<input type="checkbox"/> Clamping profiles	Quantity: _____ PU (4 pcs.)
<input type="checkbox"/> Centering sleeve	Quantity: _____ PU (10 pcs.)
<input type="checkbox"/> Connection brackets set	Quantity: _____
<input type="checkbox"/> Connection plates set	Quantity: _____
<input type="checkbox"/> Plate for swivel adapter set	Quantity: _____
<input type="checkbox"/> Swivel bearing set	Quantity: _____
<input type="checkbox"/> Pivot bearing set	Quantity: _____
<input type="checkbox"/> Bearing block set	Quantity: _____
<input type="checkbox"/> Spacer plate clamping profiles	Quantity: _____
<input type="checkbox"/> Flange plate set	Quantity: _____
<input type="checkbox"/> Threaded adapter set	Quantity: _____
<input type="checkbox"/> Pivot head	Quantity: _____
<input type="checkbox"/> Clevis	Quantity: _____
<input type="checkbox"/> Compensating coupling	Quantity: _____
<input type="checkbox"/> Adapter plate set threaded bolt	Quantity: _____