

CHECKLIST LINEAR AXES

Customer data

Customer number	Phone number
Company	E-mail
Contact	

Project data

Processed by	Date
Quantity	Desired date
Pot. quantity p. a.	

Description of the application

Attached representation	Drawing	3D model
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Basic data

Stroke x [mm]			
Mounting position	Θ Ψ		

Mass

Moving mass m [kg]			
Distance to the center of gravity [mm]	x_m		
	y_m		
	z_m		

Forces

External forces [N]	F_x		
	F_y		
	F_z		
Distance to the point of force application [mm]	x_F		
	y_F		
	z_F		

Motion profile

No.	Distance [mm]	Velocity [m/s]	Acceleration [m/s ²]	Positioning time [s]	Dwell time [s]	Cycle time [s]	Cycles per Hour [1/h]
1							
2							
3							
4							

Environment

Operating temperature [°C]	
Other influencing factors	

CHECKLIST

LINEAR AXES

Axis									
Type of drive		Toothed belt drive			Ball screw drive			According to design calculation	
Repeatability		+/- 0,05			+/- 0,02				
Carriage length		S	M		L			According to design calculation	
Number of carriages		1			2				
					Distance between carriages [mm]				
Options									
Cover strip		Clamping element			Spindle support				
		4 bar	6 bar		1	2		3	4
					According to design calculation				
Drive									
Motor		Gearbox			Motor connection cable			Drive control system	
with brake	without brake	Braking resistor			Other				
Accessories*									
Limit switch [Qty.]		Slot nut			Clamping claws			Centering sleeve	
Grease nipple		Pneumatic connection			Other				
Conical	Funnel	Straight		Angled					

*Further information on accessories can be found on our website.