

Requirement Specification Slewing Drives

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inquiries.driv@auma.com

Contact

Company	
Postal code/City	
Country	
Contact person	
Email	
Phone	

Application

Description of application and gearbox/drive function. Please provide sketches/drawings. Description of current solution, if available. Are there any technical problems with this?

Project data

Annual/ project quantity	
Planned series/ project start	

Description of operation / work cycle

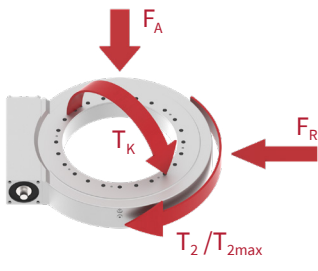
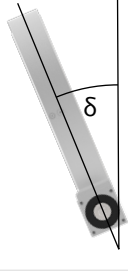
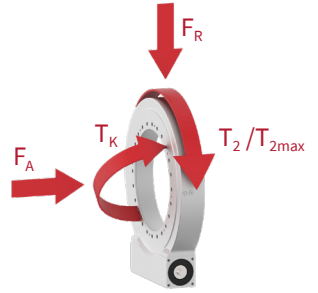
Type of operation	multi-turn	slewing / positioning in range of	° (degree)
Direction of rotation	one direction only	alternating (both directions)	
Mode of operation	continuous	intermittent	
Cycle time [s] or [min]			
Number of cycles per hour [-]			

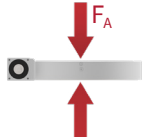
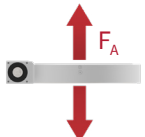
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Other descriptive information on the work cycle and its frequency and can also be helpful.

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Service position		
Axis of rotation vertical	Axis of rotation inclined	Axis of rotation horizontal
	 <p style="text-align: center;">δ [°]=</p>	

Loads	Load case 1	Load case 2	Load case 3	Load case 4
Output speed n_2 [rpm]				
Output torque T_2 [Nm]				
Holding torque T_{2max} [Nm]				
Axial load F_A [N]	 <p>Please indicate compressive loads as positive ("+") values.</p>		 <p>Please indicate suspended loads as negative ("-") values.</p>	
Radial load F_R [N]				
Tilting moment T_K [Nm]				
Duration of load case [%]				

To optimize the sizing of a drive, it is advisable to quantify the duration of various operating states. Typical operating states can be overload, full load, partial load, idling, etc. The sum of all load case durations is 100%.

Torque characteristic		
even		
Shocks	Please specify:	
Vibrations	Please specify:	

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Lifetime (operating hours)
Desired lifetime [h]

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Installation space / connection dimensions

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Please provide sketches/drawings/photos/3D models.

Ambient conditions

Ambient temperature [°C]	
Humidity [%]	
Chemical atmosphere?	
Explosive atmosphere?	
Other	

Equipment / attachments

	without	Electric (AC)	Electric (DC)	Hydraulic
Motor		Voltage V [VAC]	Voltage V [VDC]	Δp_{max} [bar]
		Frequency f [Hz]		Q_{max} [L/min]
Brake	without	Electric (AC)	Electric (DC)	
		Voltage [VAC]	Voltage [VDC]	
Encoder	without	with		
Other				

Further requirements

Standards, Regulations	
Certifications, approvals	
Material exclusion	
Food-grade lubricant	
Miscellaneous	

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