

Technical Reference for Selection of Slewing Bearing

1. Contact:

Company: _____
 Contact Person: _____
 Address: _____
 Country: _____
 Zip code: _____

Date: _____
 E-mail: _____
 Tel: _____
 Fax: _____
 Website: _____

2. Application Description:

Center Axle:

Vertical ☐

Horizontal ☐

changed ☐

_____ Grade of Turn Axle

_____ Grade of Slewing

Installing Type:

Seating Install ☐

Suspension Install ☐

Value of Load:

			Working Load		Test Load	Destroy Load
			normal	maximal		
Axial Loading	F _{ax}	kN				
Radial Loading	F _{rad}	kN				
Tureover Torque	M _k	kNm				
Allowed Gear Pressure	f _{znorm}	kN				
Max. Gear Pressure	f _{zmax}	kN				
Torque (Slewing Bearing)	M _d	kNm				
Working Load Rate	ED	%				
Rotation Speed (Slewing Bearing)	n	min-1				
Rotation Speed (Slewing Bearing) max.	n _{max}	min-1				

Other Requirements (working conditions):

Cleaness,Humidity,Seewater, Chemical Influence,ect.					
Working Temperature	°C	min.		max.	
Working Time	St./T				
Working Load Rate	%				
Number of Working Circle per Hour	1/St.				
Middle Rotationdegree per Working Circle	Grad				



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3. Gear:

Rotation and Gear

Rotation Speed	normal	maximal
Small Gear (Pinion)		
Slewing Bearing		

Technical Reference for Gear Engagement

Gear Description	External ☐	Internal ☐	Without ☐
Width of Gear	mm		
Module m	mm		
Pressure Angle α	Grad		
Addendum Coefficient			
Tip Relief Coefficient			
Center Distance of Gear	Adjustable ☐	Not Adjustable ☐	
Hardened Gear	Yes	No	
Hardened Type	Flank ☐	Root ☐	Compl. ☐
Flank Direction	Right ☐	Left ☐	

Small Gear (Pinion)

Module m	mm	
Number of Teeth z1		
Modification Coefficient		
Tip Relief Coefficient		

4. technical Requirements:

Calculation Requirment: Yes ☐ No ☐

5. Material Description:

Without Des.: ☐	50Mn: ☐	42CrMo4V: ☐
Heat Treatment:	normal ☐	Quench, Tempering ☐

6. Enquiry Description:

Quantity	
Expected Delivery Time	
Target Price	

7. Remarks:

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