

# SHIN IL

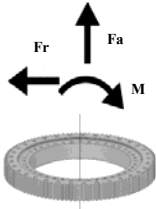
## Technical Data Sheet



Company			
Name		Department	
Address			
e-mail		Tel.	
Country		Date	
Drawing info. (brg no. or serial no.)			
Project name			

<b>Axis of rotation :</b>  Horizontal      Vertical	<b>Gear type :</b>  Gearless      External      Internal	<b>Load transmission :</b>  Supporting      Suspended      Vertical	
<b>Movement</b>	Positioning only	Slewing [°]	Rotation (continuous)
<b>Slewing range [°]</b>	[°]	<b>No. of revolutions [min-1 &amp; rpm]</b>	normal:      max.:

### Bearing Loads



Bearing load condition	Axial load : Fa (kN)	Radial load : Fr (kN)	Moment : M (kNm)	Situations
Normal load : working				Rotating Stationary
Max. load : extreme, shock				Rotating Stationary
				Rotating Stationary
				Rotating Stationary

<b>Bearing turning torque : Gear torque (kNm)</b>	Pinion (normal)	
	Pinion (max.)	
	Bearing gear (normal)	
	Bearing gear (max.)	
<b>Tangential force (kN)</b>	normal:	max.:

### Requirement

<b>Required bearing life : continuous rotation</b>	B10 life	B5 life	B1 life
	min.		hours
<b>Required service life : slewing cycle</b>	average		rpm
	+/-		degrees
	min.		cycle
	or		revolutions

Required bearing safety factor	
Normal load	≥
Max. load	≥
	≥
	≥
	≥

Required bearing gear safety factor	
Tooth root (bending)	≥
Tooth flank (pitting)	≥
Bearing starting friction torque (kNm) Condition : Non-loaded slew bearing	
seal grease	
seal grease	

Remarks.

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**Load Case / Duty Cycle**

Load case / Duty cycle / Description	Axial Load	Radial Load	Moment	Bearing turning torque	Speed	Operating time
	Fa (kN)	Fr (kN)	M (kN)	Mz (kNm)	rpm	%
1)						
2)						
3)						
4)						
5)						
6)						
7)						
8)						
9)						
10)						

**Gearing Geometry**

Description	Pinion		Bearing gear				
Gear type	Spur gear		the others				
Material							
Heat treatment (surface hardening)							
Module (M)							
Pitch diameter (mm)							
Pressure angle (°)							
No. of teeth (ea)							
Addendum (mm)							
Dedendum (mm)							
Add. modification coefficient (xm)							
Addendum reduction (km)							
Face width (mm)							
Speed (rpm)							
Quality							
Quantity of drive	ea	Arrangement of drives	0	90	180	270	Further details _____
Pinion drawing (Please submit)	yes	no	Position of pinion	fix	rotating		