

rothe erde® slewing bearings

Questionnaire

Company

Name

Department

Address

Phone

e-mail

Country

Date

Project name

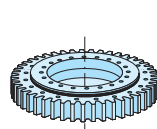
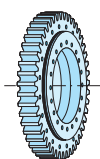
Application

Axis of rotation

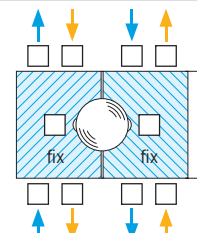
☐ horizontal

☐ vertical

☐ alternating



Application of load
(please put a cross
at the applicable point)



Movement

☐ positioning only

☐ slewing

☐ rotation

Slewingrange

[°]

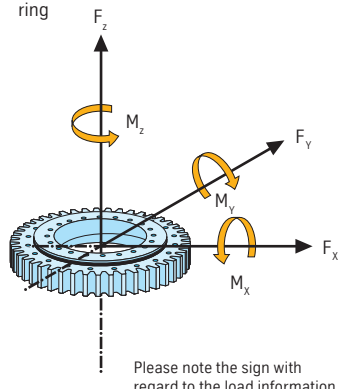
No. of revolutions [min⁻¹]

normal

maximal

Bearing loads

Load information according to system
of coordinates in relation to the rotating
ring



		max. working load	max. test load e.g. 25% overload condition	Extreme load e.g. shocks or out of operation	
Axial loads	F_z				[kN]
Radial loads	F_x				[kN]
	F_y				
Tilting moment	M_x				[kNm]
	M_y				
Bearing turning torque	M_z normal				[kNm]
	M_z max.				
Bearing in various load situations		☐ rotating	☐ rotating	☐ rotating	
		☐ stationary	☐ stationary	☐ stationary	

No. of drives _____ Please mark the positions of the drives in sketch (Appendix B)

Gear

☐ without

☐ external

☐ internal

Existing or chosen bearing per drawing No.:

For continuous rotation, variable and B10 life requirements, please complete annex A. ☐ Annex A is enclosed.

Remarks:

- e.g. special environmental conditions as there are corrosive media, dirt, temperatures others than standard (-20°C up to +60°C) etc.
- e.g. special bearing dimensioning with regard to precisions, acceptance conditions, material testings, dimensions etc.

Please fully complete this form. Incomplete information will delay processing and impede profitable technical preparation.

☐ Individual technical consultation required. Please call for appointment.

Date

Load case / description	Axial load	Radial load		Tilting moment		Bearing turning torque	Speed	Operating time
	F_z [kN]	F_x [kN]	F_y [kN]	M_x [kNm]	M_y [kNm]	M_z [kNm]	n [min ⁻¹]	[%]
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

For continuous rotation:

Required B10 life

min. _____ hours at average _____ rpm.

For slewing:

Required service life

min. _____ slewing cycles with angle of +/- _____ degrees,

or _____ full load revolutions on the basis of service life.

Date _____

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