Slewing ring application sheet

Kindly fill in the required data and submit to technical@nbcgroup.co.uk or fax +44 1952 242938

A sketch would assist in our visualisation of your requirements. We have both CAD and 3D software available

We have inserted typical answers in some boxes to assist your understanding of the form

1a	Customer					Tel					
1b	Address					Fax					
1c	Contact					e-mail					
2a	Project #/ Desc.					New project or replacement?		New		Rep	
2b											
2c	Replacement for existing part part ?				*Manufacturers part reference or drawing*						
3a	Load data (include structural loads)		Loads Applied?			Loads Suspended?		Service factor included? (Y/N)			
3b	Required safety factors? Specific design codes?				*Lloyds/ DNV/ BV etc*						
	Please indicate if any safety factors have been included in your figures. If not we may add a service factor based on industry standards										
3c	Load type (Static or Dynamic)		*1 - Dynamic*		*2 - Dynamic*	*3 - Dynamic*		*4 - Static*	*5 - Static*	*6 - Static*	
3d	Load case # or label (max/ test)		*Normal*						*Test*	*Survival*	
3e	Axial load	KN									
3f	Radial load	KN									
3g	Moment load	KNm									
3h	Rotation Speed	rpm						*0*	*0*	*0*	
3i	%-age cycle time	Total 100%	*60*		*20*	*20*		*0*	*0*	*0*	
3j	*Dynamic cycle time must add to 100%. Static loads are considered seperately to life calculations.*										
3k	Rotating ring	Inner		Outer		Shock loading?		*Smooth / Moderate / Severe*			
3l	Rotation axis	Horizontal		Vertical		Inclined		*(Degrees from vertical?)*			
3m	Rotation < 360 from centerline			degrees		Time to swing "x" degrees				seconds	
3n	*Oscillatory motion (Note: if the bearing moves "x" degrees off a centreline, 1 full oscillation defined as = "4x" degrees*										
3o	Rotation	Continuous		Intermittent		Reversible					
3p	Expected service life (i.e actual rotation hours)										
4a	Spur gear data	External		Internal		Module / DP		Gear face width (mm)			
4b	Number of teeth on geared ring			Addendum correction?				Center distance (mm)			
4c	Number of teeth on pinion gear			Addendum correction?				No. of pinions and relationship		*2@120°*	
4d	Calculated torque on geared ring		KNm	or	Tangential gear force on geared ring			KN			
4e	Calculated torque on single pinion		KNm	or	Tangential gear force on single pinion			KN			
5a	Ambient temp C		Special seals?	*(Normal = NBR)*	*VITON, Oring or V seal, Labyrinth seal*						
5b	Grease point location				Preferred size	*6mm, 8mm, 10mm, 1/8" BSP or other*					
5c	Critical dimensions	*(List any critical dimensions or other data which must be considered)*									
5d											
5e											
5f											
5g											
5h											
5i											

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QCB Bearings SLEWING RINGS & DRIVES

Slewing ring application sheet

Sketch your concept noting significant forces and relevant dimensions

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