Slewing ring enquiry sheet

A sketch would assist in our visualisation of your requirements. We can accept CAD and 3D files in most formats.

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

1a	**Company**				**Department**						
1b	**Address**				**Phone**						
1c	**Contact**				**e-mail**						
2a	**Project #/ Desc.**				**New project or replacement?**		**New**		**Rep**		
2b											
2c	**Is this a replacement for an 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)**		Dynamic	Dynamic	Dynamic	Dynamic	Dynamic	Dynamic			
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											

QCB Slewing Rings Technical Support

Ph: +44 (0) 1952 980198 e-mail: info@qcbslewingrings.com

QCB Bearings SLEWING RINGS & DRIVES

Slewing ring enquiry sheet

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Sketch your concept noting significant forces and relevant dimensions

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