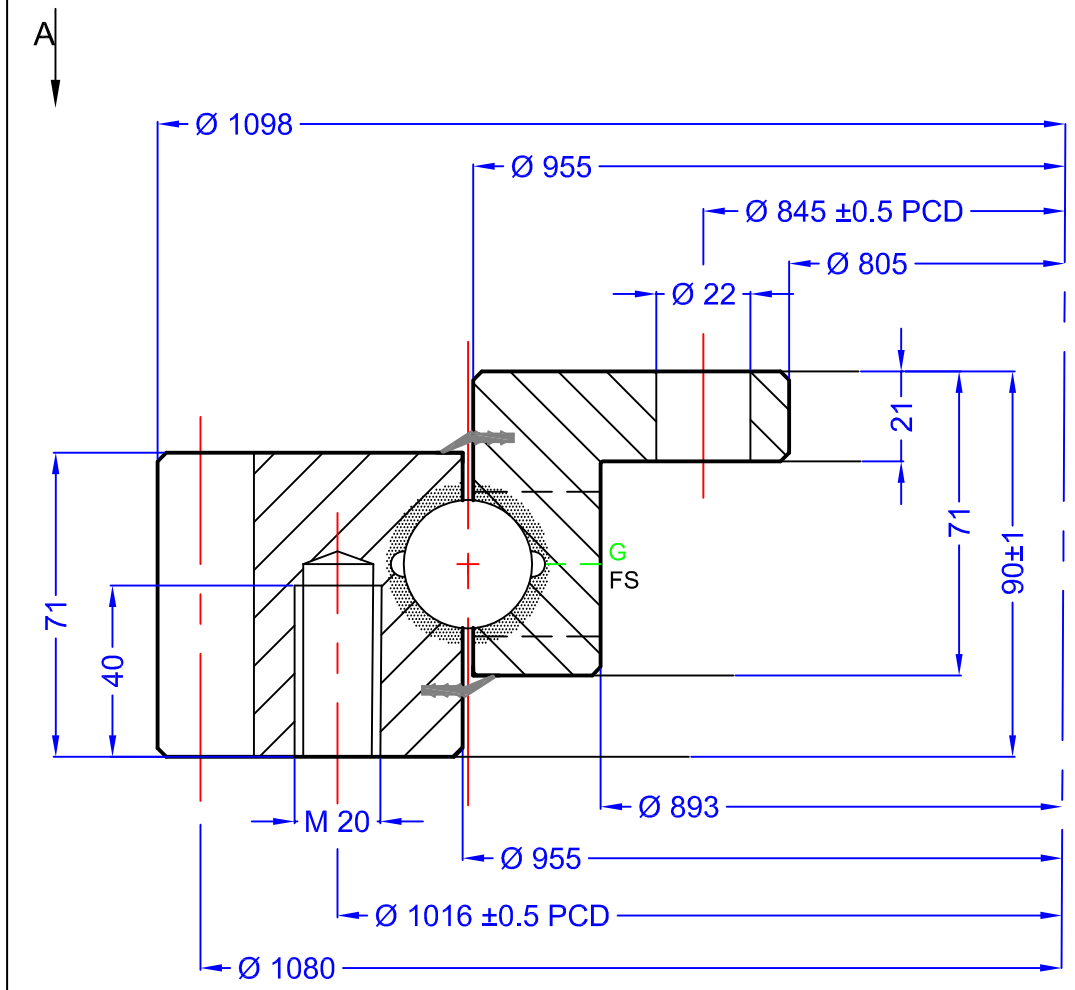
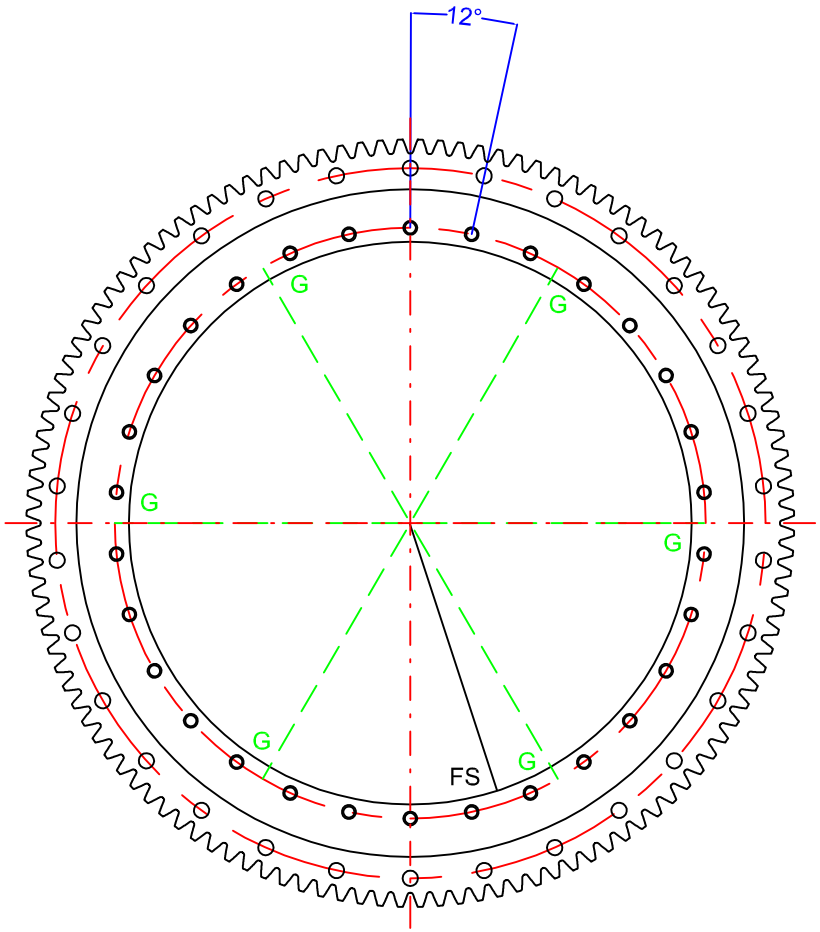
GEN. TOLERANCES	0.5 - 6	±0.1	6 - 30	±0.2	30 - 120	±0.3	120 - 315	±0.5	315 - 1000	±0.8	1000 - 2000	±1.2	2000 - 4000	±2	4000 - 8000	±3
GEN. MACHINING	0.4		1.6		3.2		6.3		12.6		25 ROUGH					



VIEW ON 'A' SHOWING DRILLING PATTERN AND OTHER DETAILS



GEAR DATA	SPUR	WORM	HELICAL
HARDENED GEAR	NO		
NUMBER OF TEETH (z)	120	MODULE (m)	9
PRESSURE ANGLE (∝)	20°	DP	
ADDENDUM COEFFICIENT (x)	0		
PROFILE CORRECTION (xm)	0	CALCULATED GEAR STRENGTH	
TRUNCATION (km)	0	Fz (Normal)	KN
PITCH CIRCLE DIAMETER	1080 mm	Fz (Max)	KN
MEASUREMENT ON K TEETH	mm	Pin Diameter	mm
RUNOUT NOT HARDENED/HARDENED			

Designed in accordance with designated QCB SLEWING RING STANDARDS
Non toleranced dimensions to ISO 2768-1 m
All burrs and sharp edges to be removed; Standard corner chamfer 1mm x 45°
Internal radial and axial clearance figures to QCB standard 2014 or revisions thereof
The HARDNESS GAP is to be indicated by stamped letter R or a PAINT mark on the exterior surface
The high point of gear eccentricity to be indicated by GREEN or BLUE paint on 3 teeth

BOLT DATA

INNER	30 =	MOUNTING HOLES	Ø 22	AXIAL PLAY	0.12-0.28 mm
OUTER	30 =	MOUNTING HOLES	M20	RADIAL PLAY	0.12-0.28 mm
GREASE HOLES	'G'		6 x M10	TURNING TORQUE	Nm
LOADING PLUG	'FS'	SOFT ZONE	'R'	MATERIAL	42CrMo4 Q&T
		SEAL SIZE	TBA	WEIGHT	165 kg (est)
				DEPTH OF HARDENING (55-58HRc)	mm

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REV	DATE	MODIFICATION	REVISED BY
1			

QCB Bearings — SLEWING RINGS & DRIVES

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QCB or NBC DRAWING NUMBER

FEG 1100 32 00 AA LM

QCB RS 11/2016

DRAWN:	LW
DATE:	18/01/2016
CHECKED:	LJM