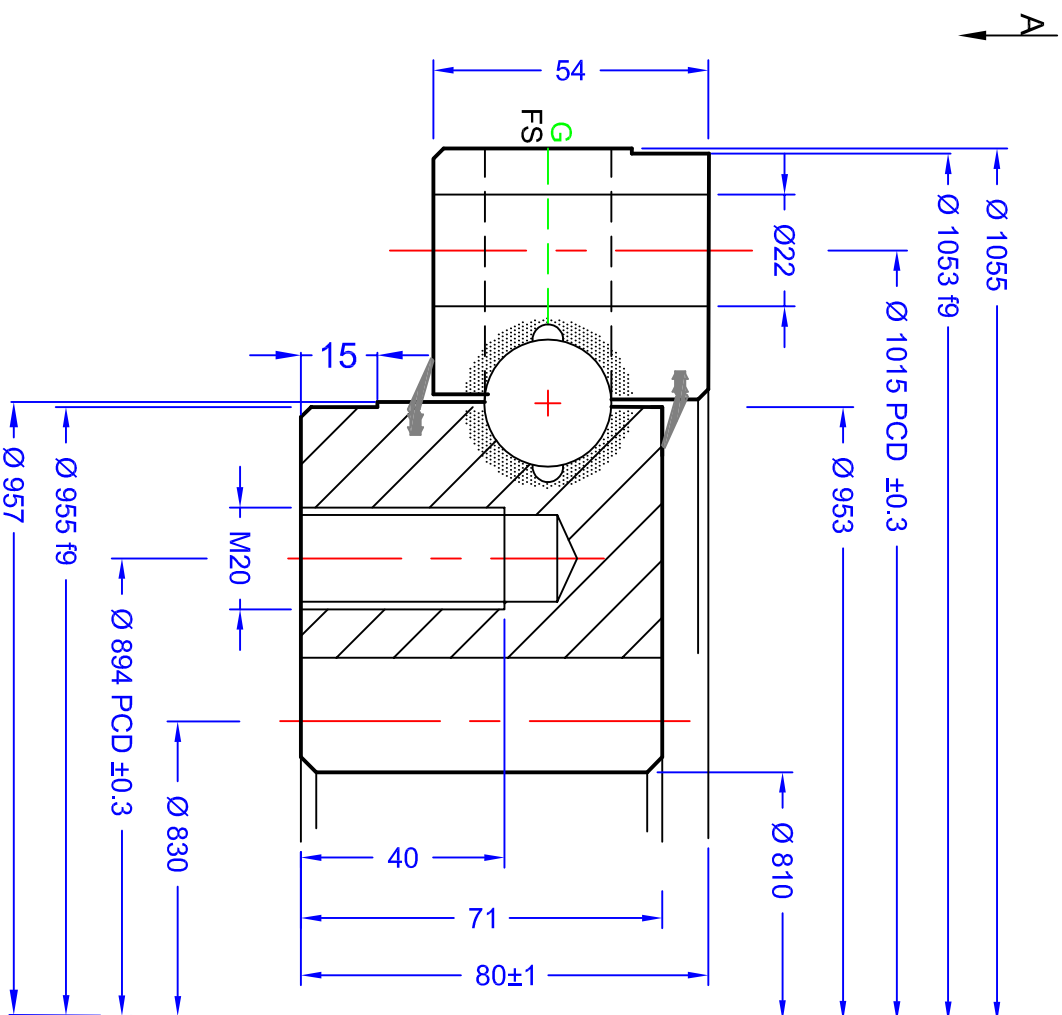


[illegible]

| GEAR DATA                                                                           |  |  |  |  |  | SPUR                                            | WORM                     | HELICAL | Designed in accordance with designated QCB SLEWING RING STANDARDS                                                                                                                                                                                                                                                                                                                                          |       |      |                |                |      |                |                                                                                                        |              |              | REV | DATE |  | MODIFICATION |  | REMOVED BY |  |  |
|-------------------------------------------------------------------------------------|--|--|--|--|--|-------------------------------------------------|--------------------------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------|----------------|----------------|------|----------------|--------------------------------------------------------------------------------------------------------|--------------|--------------|-----|------|--|--------------|--|------------|--|--|
| HARDED GEAR                                                                         |  |  |  |  |  |                                                 | NO                       |         | Non tolerated dimensions to ISO 2768-1 m<br>All burrs and sharp edges to be removed. Standard corner chamfer 1mm x 45°<br>Internal radial and axial clearance figures to QCB standard 2014 or revisions thereof<br>The HARNESS GAP is to be indicated by stamped letter R or a PAINT mark on the exterior surface<br>The high point of gear eccentricity to be indicated by GREEN or BLUE paint on 3 teeth |       |      |                |                |      |                |                                                                                                        |              |              |     |      |  |              |  |            |  |  |
| NUMBER OF TEETH (z)                                                                 |  |  |  |  |  | 83                                              | MODULE (m)               |         | 10                                                                                                                                                                                                                                                                                                                                                                                                         |       |      |                |                |      |                |                                                                                                        |              |              |     |      |  |              |  |            |  |  |
| PRESSURE ANGLE (α)                                                                  |  |  |  |  |  | 20°                                             | DP                       |         |                                                                                                                                                                                                                                                                                                                                                                                                            |       |      |                |                |      |                |                                                                                                        |              |              |     |      |  |              |  |            |  |  |
| ADDENDUM COEFFICIENT (x)                                                            |  |  |  |  |  | 0                                               | CALCULATED GEAR STRENGTH |         |                                                                                                                                                                                                                                                                                                                                                                                                            |       |      |                |                |      |                |                                                                                                        |              |              |     |      |  |              |  |            |  |  |
| PINION CORRECTION (ym)                                                              |  |  |  |  |  | 0                                               |                          |         |                                                                                                                                                                                                                                                                                                                                                                                                            |       |      |                |                |      |                |                                                                                                        |              |              |     |      |  |              |  |            |  |  |
| TRUNCATION (κm)                                                                     |  |  |  |  |  | 0                                               | Ft (Normal)              |         | KN                                                                                                                                                                                                                                                                                                                                                                                                         | INNER |      | 30 =           | MOUNTING HOLES |      | M20            | AXIAL PLAY                                                                                             |              | 0,12-0,28 mm |     |      |  |              |  |            |  |  |
|                                                                                     |  |  |  |  |  | Fr (Max)                                        |                          | KN      | OUTER                                                                                                                                                                                                                                                                                                                                                                                                      |       | 30 = | MOUNTING HOLES |                | Ø 22 | TURNING TORQUE |                                                                                                        | RADIAL PLAY  | 0,12-0,28 mm |     |      |  |              |  |            |  |  |
| PITCH CIRCLE DIAMETER                                                               |  |  |  |  |  | 830 mm                                          |                          |         |                                                                                                                                                                                                                                                                                                                                                                                                            |       |      |                |                |      | 4 x M8         | MATERIAL                                                                                               |              | 42CrMo4 Q&T  |     |      |  |              |  |            |  |  |
| MEASUREMENT ON K TEETH                                                              |  |  |  |  |  | mm                                              | Pin Diameter             |         | mm                                                                                                                                                                                                                                                                                                                                                                                                         |       |      |                |                |      | GREASE HOLES   | WEIGHT                                                                                                 | 149 kg (est) |              |     |      |  |              |  |            |  |  |
| RUNOUT NOT HARDENED/HARDED                                                          |  |  |  |  |  |                                                 |                          |         |                                                                                                                                                                                                                                                                                                                                                                                                            |       |      |                | SOFT ZONE      |      | R <sup>1</sup> | DEPTH OF HARDENED (ISO4050)                                                                            |              | mm           |     |      |  |              |  |            |  |  |
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|  |  |  |  |  |  |                                                 |                          |         |                                                                                                                                                                                                                                                                                                                                                                                                            |       |      |                |                |      |                |                                                                                                        |              |              |     |      |  |              |  |            |  |  |
| QCB or NBC DRAWING NUMBER                                                           |  |  |  |  |  | SLEWING RINGS & DRIVES                          |                          |         |                                                                                                                                                                                                                                                                                                                                                                                                            |       |      |                |                |      |                | Orleton Lane, Wellington, Telford, TF1 2BG, UK<br>P: 01952 222300 F: 01952 242938<br>www.nbgroup.co.uk |              |              |     |      |  |              |  |            |  |  |
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| QCB RS 11/2016                                                                      |  |  |  |  |  | DRAWN: LW                                       |                          |         |                                                                                                                                                                                                                                                                                                                                                                                                            |       |      |                |                |      |                |                                                                                                        |              |              |     |      |  |              |  |            |  |  |
|                                                                                     |  |  |  |  |  | DATE: 02/02/2016                                |                          |         |                                                                                                                                                                                                                                                                                                                                                                                                            |       |      |                |                |      |                |                                                                                                        |              |              |     |      |  |              |  |            |  |  |
|                                                                                     |  |  |  |  |  | CHECKED: LM                                     |                          |         |                                                                                                                                                                                                                                                                                                                                                                                                            |       |      |                |                |      |                |                                                                                                        |              |              |     |      |  |              |  |            |  |  |