

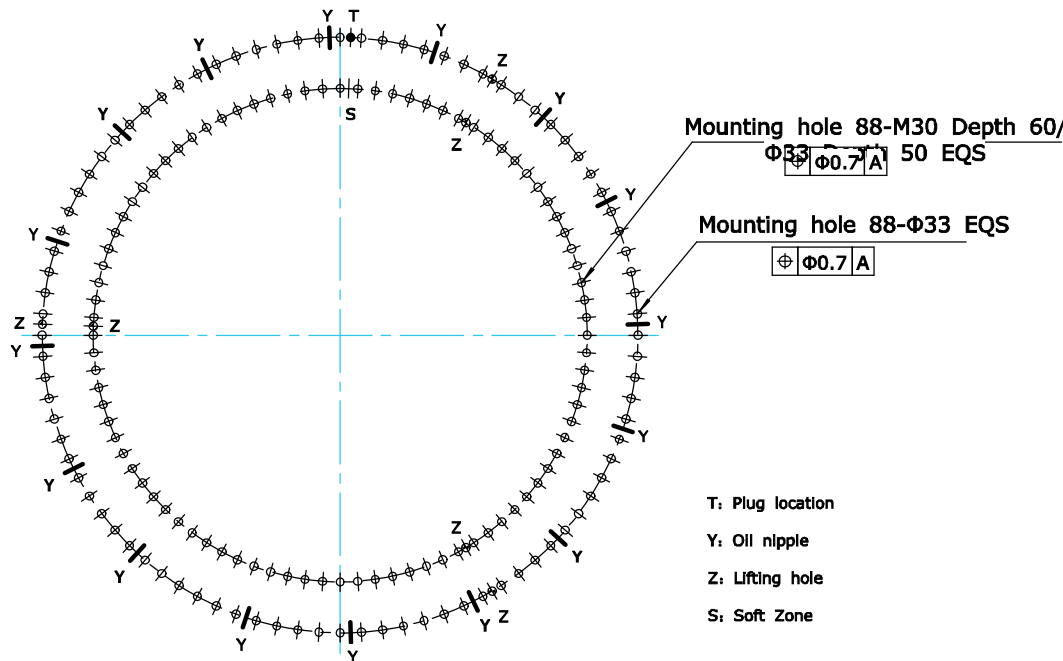
Teeth hardened view

|   |          |   |
|---|----------|---|
| Module                                    | m        | 20  |
| Teeth no.                                 | z        | 163                                       |
| Teeth pressure angle                      | $\alpha$ | 20°                                       |
| Modification coefficients                 | x        | +0.5                                      |
| Reduction coefficients                    | km       | 0   |
| Precision(GB1.0095-88)                    |          | 10  |
| Average base tangent length and deviation | W        | 1203.83 <sup>+1.29</sup> <sub>+0.91</sub> |
| Spanned tooth count.                      | k        | 20  |
| Base tangent length change tolerances     | Fw       | 0.25                                      |

U.O.N  $\nabla 6.3$

Notes:

- Unspecified chamfer: 2.5×45°  
Through hole chamfer: 2.0×45°  
Threaded hole chamfer: 4.0×45°  
Edges chamfer
- Raceway of inner & outer ring induction hardened. hardness:55~62HRC  
Depth:≥3.5mm
- Inner & outer ring quenched & tempered, hardness: 207~262HB
- Radial clearance: 0.12~0.65 mm  
Axial clearance: 0.12~0.65 mm
- Teeth hardened hardness: 50±5HRC



| No.   | Standard       | Component    | Material                                      | Model                | Qty    | Remark |       |                |         |  |        |        |      |              |     |  |       |  |          |        |              |  |              |  |
|---|----------------|--------------|---|----------------------|--------|--------|-------|----------------|---------|--|--------|--------|------|--------------|-----|--|-------|--|----------|--------|--------------|--|--------------|--|
| 08  | HG/T2811       | Seals        | NBRI-3  | W19                  | 2      |        |       |                |         |  |        |        |      |              |     |  |       |  |          |        |              |  |              |  |
| 07  | GB117-76       | Pin          | CN45  | $\Phi 16 \times 105$ | 1      |        |       |                |         |  |        |        |      |              |     |  |       |  |          |        |              |  |              |  |
| 06  |                | Plug         | CN45  | $\Phi 60$            | 1      |        |       |                |         |  |        |        |      |              |     |  |       |  |          |        |              |  |              |  |
| 05  | JB/T7940.7     | Oil nipple   | Component                                     | PT1/4                | 16     |        |       |                |         |  |        |        |      |              |     |  |       |  |          |        |              |  |              |  |
| 04  | GB/T3077       | Inner ring   | 42CrMo  |                      | 1      |        |       |                |         |  |        |        |      |              |     |  |       |  |          |        |              |  |              |  |
| 03  | GB/T308-2002   | Ball         | GCr15   | 50                   | 194±1  |        |       |                |         |  |        |        |      |              |     |  |       |  |          |        |              |  |              |  |
| 02  | HG/T2349       | Spacer       | Nylon   | D50                  | 194±1  |        |       |                |         |  |        |        |      |              |     |  |       |  |          |        |              |  |              |  |
| 01  | GB/T3077       | Outer ring   | 42CrMo  |                      | 1      |        |       |                |         |  |        |        |      |              |     |  |       |  |          |        |              |  |              |  |
| <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Model</td> <td>62m4590.01.538</td> <td>Drawing</td> <td></td> <td>Weight</td> <td>2830kg</td> </tr> <tr> <td>Name</td> <td>013.50.3550F</td> <td>Qty</td> <td></td> <td>Scale</td> <td></td> </tr> <tr> <td>Material</td> <td>42CrMo</td> <td>Total 1 page</td> <td></td> <td>the 1st page</td> <td></td> </tr> </table> |                |              |   |                      |        |        | Model | 62m4590.01.538 | Drawing |  | Weight | 2830kg | Name | 013.50.3550F | Qty |  | Scale |  | Material | 42CrMo | Total 1 page |  | the 1st page |  |
| Model   | 62m4590.01.538 | Drawing      |   | Weight               | 2830kg |        |       |                |         |  |        |        |      |              |     |  |       |  |          |        |              |  |              |  |
| Name  | 013.50.3550F   | Qty          |   | Scale                |        |        |       |                |         |  |        |        |      |              |     |  |       |  |          |        |              |  |              |  |
| Material  | 42CrMo         | Total 1 page |   | the 1st page         |        |        |       |                |         |  |        |        |      |              |     |  |       |  |          |        |              |  |              |  |
| Design  | DQ             | Standard     | <b>HAN-JUNG ROBOT &amp; BEARING CO., LTD.</b> |                      |        |        |       |                |         |  |        |        |      |              |     |  |       |  |          |        |              |  |              |  |
| Check   |                |              |   |                      |        |        |       |                |         |  |        |        |      |              |     |  |       |  |          |        |              |  |              |  |
| Process   |                | Approve      |   |                      |        |        |       |                |         |  |        |        |      |              |     |  |       |  |          |        |              |  |              |  |
| Date  | 2015.8.3       |              |   |                      |        |        |       |                |         |  |        |        |      |              |     |  |       |  |          |        |              |  |              |  |