



Notes:

1. Raceway of inner & outer ring induction hardened. hardness: 55~62HRC  
Depth  $\geq 3.5$ mm
2. Inner & outer ring quenched & tempered, hardness: 207~262HB

| Gear Data                 |             |             |                                  | Design  | Check                    |           |                 | Model  | 113.25.630 | Weight  | 100kg |              |              |            |            |             |            |            |            |            |             |             |             |             |            |            |            |            |             |             |  |  |  |            |           |  |
|---------------------------|-------------|-------------|----------------------------------|---|--------------------------|-----------|-----------------|--|------------|---|-------|--------------|--------------|------------|------------|-------------|------------|------------|------------|------------|-------------|-------------|-------------|-------------|------------|------------|------------|------------|-------------|-------------|--|--|--|------------|-----------|--|
| Module                    | m           | 6           | Gear heat treatment requirements | Date  | Approve                  |           |                 |  | Name       | Slewing Bearing   | Qty   | Scale        |              |            |            |             |            |            |            |            |             |             |             |             |            |            |            |            |             |             |  |  |  |            |           |  |
| Teeth no                  | z           | 83          |                                  | HRC   | Qty                      | Size      | Axial clearance |  | 0.00~0.02  | Material  | 50Mn  | Total 1 page | The 1st page |            |            |             |            |            |            |            |             |             |             |             |            |            |            |            |             |             |  |  |  |            |           |  |
| Teeth pressure angle      | $\alpha$    | 20°         | Precision(GB10095-88)            | 10  | Inner ring mounting hole | 24        | $\Phi 18$       | Radial clearance   | 0.00~0.02  | machine tolerances without notes<br><table border="1"> <tr> <td><math>\leq 200</math></td> <td><math>\leq 500</math></td> <td><math>\leq 710</math></td> <td><math>\leq 1120</math></td> </tr> <tr> <td><math>\pm 0.30</math></td> <td><math>\pm 0.40</math></td> <td><math>\pm 0.50</math></td> <td><math>\pm 0.65</math></td> </tr> <tr> <td><math>\leq 1600</math></td> <td><math>\leq 2000</math></td> <td><math>\leq 2500</math></td> <td><math>\leq 3150</math></td> </tr> <tr> <td><math>\pm 0.80</math></td> <td><math>\pm 0.95</math></td> <td><math>\pm 1.10</math></td> <td><math>\pm 1.35</math></td> </tr> <tr> <td><math>\leq 4000</math></td> <td><math>\leq 5000</math></td> <td></td> <td></td> </tr> <tr> <td></td> <td><math>\pm 1.65</math></td> <td><math>\pm 2.0</math></td> <td></td> </tr> </table> |       |              | $\leq 200$   | $\leq 500$ | $\leq 710$ | $\leq 1120$ | $\pm 0.30$ | $\pm 0.40$ | $\pm 0.50$ | $\pm 0.65$ | $\leq 1600$ | $\leq 2000$ | $\leq 2500$ | $\leq 3150$ | $\pm 0.80$ | $\pm 0.95$ | $\pm 1.10$ | $\pm 1.35$ | $\leq 4000$ | $\leq 5000$ |  |  |  | $\pm 1.65$ | $\pm 2.0$ |  |
| $\leq 200$                | $\leq 500$  | $\leq 710$  | $\leq 1120$                      |   |                          |           |                 |  |            |   |       |              |              |            |            |             |            |            |            |            |             |             |             |             |            |            |            |            |             |             |  |  |  |            |           |  |
| $\pm 0.30$                | $\pm 0.40$  | $\pm 0.50$  | $\pm 0.65$                       |   |                          |           |                 |  |            |   |       |              |              |            |            |             |            |            |            |            |             |             |             |             |            |            |            |            |             |             |  |  |  |            |           |  |
| $\leq 1600$               | $\leq 2000$ | $\leq 2500$ | $\leq 3150$                      |   |                          |           |                 |  |            |   |       |              |              |            |            |             |            |            |            |            |             |             |             |             |            |            |            |            |             |             |  |  |  |            |           |  |
| $\pm 0.80$                | $\pm 0.95$  | $\pm 1.10$  | $\pm 1.35$                       |   |                          |           |                 |  |            |   |       |              |              |            |            |             |            |            |            |            |             |             |             |             |            |            |            |            |             |             |  |  |  |            |           |  |
| $\leq 4000$               | $\leq 5000$ |             |                                  |   |                          |           |                 |  |            |   |       |              |              |            |            |             |            |            |            |            |             |             |             |             |            |            |            |            |             |             |  |  |  |            |           |  |
|                           | $\pm 1.65$  | $\pm 2.0$   |                                  |   |                          |           |                 |  |            |   |       |              |              |            |            |             |            |            |            |            |             |             |             |             |            |            |            |            |             |             |  |  |  |            |           |  |
| Modification coefficients | x           | +0.5        |                                  | Outer ring mounting hole                              | 24                       | $\Phi 18$ |                 |  |            |   |       |              |              |            |            |             |            |            |            |            |             |             |             |             |            |            |            |            |             |             |  |  |  |            |           |  |
| Reduction coefficients    | km          | 1.2         |                                  | Oil hole  | 4                        | M10x1     |                 |  |            |   |       |              |              |            |            |             |            |            |            |            |             |             |             |             |            |            |            |            |             |             |  |  |  |            |           |  |
| Pitch diameter            | d           | 498         |                                  |   |                          |           |                 |  |            |   |       |              |              |            |            |             |            |            |            |            |             |             |             |             |            |            |            |            |             |             |  |  |  |            |           |  |
|                           |             |             |                                  | T:Pulg location S:Soft zone Y:Oil hole Z:Lifting hole |                          |           |                 | Technical processing standards without notes according to ...JB/T2300-2011 |            |   |       |              |              |            |            |             |            |            |            |            |             |             |             |             |            |            |            |            |             |             |  |  |  |            |           |  |

XUZHOU WANDA SLEWING BEARING CO.,LTD



Fax: +86 516 83309366 Fax: +86 516 83915766  
<http://www.slew-bearing.com>