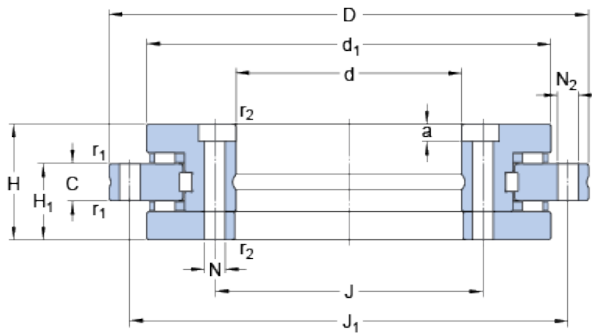




# TAIWAY Industry CO.,LTD.



## SKF NRT 650 A thrust roller bearings

Bearing No. NRT 650 A

NRT 650 A Bearing 2D drawings and 3D CAD models

|   |                |
|---|----------------|
| Size  | 650x870x122 mm |
| Bore Diameter   | 650 mm         |
| Outer Diameter  | 870 mm         |
| Width   | 122 mm         |
| d   | 650 mm         |
| D   | 870 mm         |
| H   | 122 mm         |
| d <sub>1</sub>  | 800 mm         |
| C   | 34 mm          |
| H <sub>1</sub>  | 78 mm          |
| J   | 680 mm         |
| J <sub>1</sub>  | 830 mm         |
| H   | 14 mm          |
| N <sub>1</sub>  | 20 mm          |
| N <sub>2</sub>  | 14 mm          |
| a   | 13 mm          |
| r <sub>1</sub> - min.                                       | 1 mm           |
| r <sub>2</sub> - min.                                       | 1 mm           |
| Basic dynamic load rating, radial direction - C             | 413 kN         |
| Basic static load rating, radial direction - C <sub>0</sub> | 1600 kN        |
| Basic dynamic load rating, axial direction - C              | 365 kN         |
| Basic static load rating, axial direction - C <sub>0</sub>  | 5000 kN        |
|   |                |



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|   |                     |
|---|---------------------|
| Limiting speed for grease lubrication               | 55 r/min            |
| Limiting speed for oil lubrication                  | 110 mm/min          |
| Axial Preload                                       | 27 N                |
| Axial unloading force                               | 59 kN               |
| Frictional moment - $C_{RL}$                        | 200 N · m           |
| axial stiffness                                     | 60 N/micron         |
| radial stiffness                                    | 17.2 N/micron       |
| Moment stiffness                                    | 3209000 kN · m/mrad |
| Mass bearing  | 170 kg              |
| Guideline diameter                                  | 1450 mm             |
| Size - G  | M12                 |
| Number of bolts                                     | 6                   |
| Angle between bolts                                 | 60 °                |
| Size bolts  | M12                 |
| Pitch - $\alpha$ ;                                  | 7.5 °               |
| Number of bolts                                     | 42                  |
| Number of bolts omitted at removal thread position  | 6, 60 ° apart       |
| Size bolts  | M12                 |
| Pitch - $\alpha$ ;                                  | 7.5 °               |
| Number of bolts                                     | 46                  |
| Number of bolts omitted at retaining bolts position | 2, 180 ° apart      |
| Tightening torque                                   | 116 N · m           |
| Size  | M12                 |
| $d_1$   | 800 mm              |
| $H_1$   | 78 mm               |
| $J_1$   | 830 mm              |
| N   | 14 mm               |
| $N_1$   | 20 mm               |
| $N_2$   | 14 mm               |
|   |                     |



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|   |                  |
|---|------------------|
| $r_1$ min.  | 1 mm             |
| $r_2$ min.  | 1 mm             |
| Basic dynamic load rating - radial direction C    | 413 kN           |
| Basic static load rating - radial direction $C_0$ | 1600 kN          |
| Basic dynamic load rating - axial direction C     | 365 kN           |
| Basic static load rating - axial direction $C_0$  | 5000 kN          |
| Attainable speed for grease lubrication           | 55 r/min         |
| Attainable speed for oil-air lubrication          | 110 r/min        |
| Axial preload                                     | 27 kN            |
| Frictional moment $C_{RL}$                        | 200 N · m        |
| Axial stiffness                                   | 60 kN/ $\mu$ m   |
| Radial stiffness                                  | 17.2 kN/ $\mu$ m |
| Guideline rotary table diameter                   | 1450 mm          |
| Size G  | M12              |
| Number of threads                                 | 6                |
| Angle between threads                             | 60 °             |
| Bolt size   | M12              |
| Pitch   | 7.5 °            |
| Tightening torque (Bolt grade 10.9)               | 116 N · m        |
| Bolt size   | M12              |
| Pitch   | 7.5 °            |