



# PRODUCT DATASHEET

Datasheet creation date: 2025/06/02 9:02 (UTC)

MOTION & CONTROL  
**NSK**



## HR32322J

### Metric Series Tapered Roller Bearings

#### Dimension series

|     |     |                                 |  |
|-----|-----|---------------------------------|--|
| ISO | 2GD | ISO355 dimension series approx. |  |
|-----|-----|---------------------------------|--|

#### Boundary Dimensions

|               |      |    |  |
|---------------|------|----|--|
| d             | 110  | mm | Bore diameter                          |
| D             | 240  | mm | Outside diameter                       |
| T             | 84.5 | mm | Total width                            |
| B             | 80   | mm | Width of inner ring                    |
| C             | 65   | mm | Width of outer ring                    |
| Cup r (min.)  | 3    | mm | Chamfer dimension of outer ring (Cup)  |
| Cone r (min.) | 4    | mm | Chamfer dimension of inner ring (Cone) |

#### Basic Load Ratings

|     |        |   |                           |
|-----|--------|---|---------------------------|
| Cr  | 830000 | N | Basic dynamic load rating |
| C0r | 910000 | N | Basic static load rating  |

#### Speeds

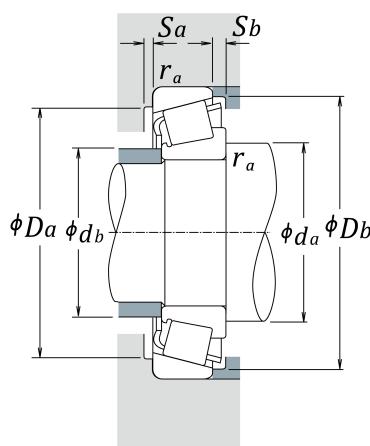
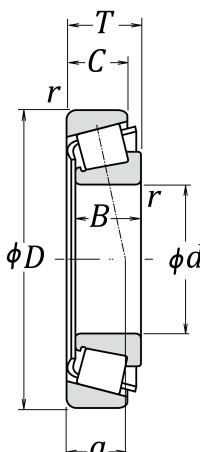
|                |      |       |                      |
|----------------|------|-------|----------------------|
| Grease         | 1500 | min-1 | Grease lubrication   |
| Oil (Oil-bath) | 2000 | min-1 | Oil-bath lubrication |

#### Dimensions

|   |      |    |                       |
|---|------|----|-----------------------|
| a | 58.5 | mm | Effective load center |
|---|------|----|-----------------------|

#### Abutment and Fillet Dimensions

|           |      |    |   |
|-----------|------|----|---|
| da (min.) | 135  | mm | Diameter of shaft abutment                                    |
| Db (min.) | 222  | mm | Diameter of housing abutment                                  |
| Da (min.) | 201  | mm | Diameter of housing abutment                                  |
| Da (max.) | 226  | mm | Diameter of housing abutment                                  |
| Sa        | 6    | mm | Minimum width of space required in housing on large side face |
| Sb        | 19.5 | mm | Minimum width of space required in housing on small side face |
| db (max.) | 139  | mm | Diameter of shaft abutment                                    |
| ra (max.) | 3    | mm | Radius of shaft or housing fillet of inner ring               |
| ra (max.) | 2.5  | mm | Radius of shaft or housing fillet of outer ring               |



#### Calculation factors

|    |      |                    |
|----|------|--------------------|
| e  | 0.35 | Constant           |
| Y0 | 0.96 | Axial load Factors |



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Y1

1.7

Axial load Factors

## Mass

Mass approx.

17.1

kg

Mass approx.