



PRODUCT DATASHEET

Datasheet creation date: 2025/06/02 10:37 (UTC)

MOTION & CONTROL
NSK

NN3013MBKR

Double-Row Cylindrical Roller Bearings

Parts Number

NN3013MBKRE44CC1P4

Boundary Dimensions

| | NN: Inner ring rib type | Bearing Type | |
|---------|----------------------------|--------------|-------------------|
| d | 65 | mm | Bore diameter |
| D | 100 | mm | Outside diameter |
| B | 26 | mm | Width |
| r(min.) | 1.1 | mm | Chamfer Dimension |

Basic Load Ratings

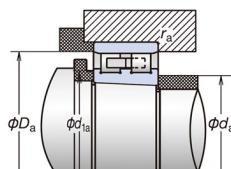
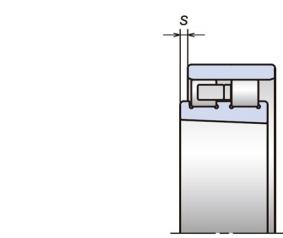
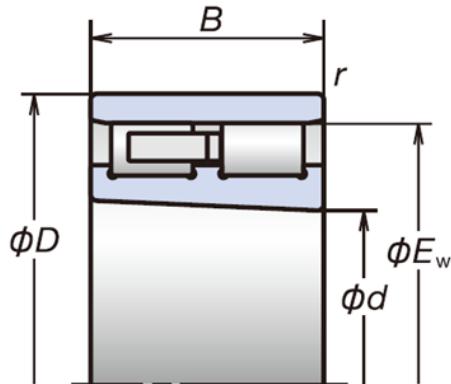
| | | | |
|-------------------|-------|-------|---------------------------------------|
| Cr | 88.5 | kN | Basic Dynamic Load Rating |
| C0r | 116 | kN | Basic Static Load Rating |
| Speeds | | | |
| Grease | 9100 | min-1 | Limiting Speed |
| Oil (Oil-air) | 11000 | min-1 | Limiting Speed |
| Dimensions | | | |
| Ew | 91 | mm | Roller Circumscribed Circle Diameters |
| s | 1.4 | mm | Axial Displacement |

Abutment and Fillet Dimensions

| | | | |
|-----------|------|----|-----------------------------------|
| da(min.) | 71.5 | mm | Diameter of Shaft Abutment |
| d1a(min.) | 72 | mm | Diameter of Shaft Abutment |
| Da(min.) | 93 | mm | Diameter of Housing Abutment |
| Da(max.) | 93.5 | mm | Diameter of Housing Abutment |
| ra(max.) | 1 | mm | Radius of Shaft or Housing Fillet |

Additional information

| | | | |
|-----------|----|----|--|
| CC1(max.) | 20 | µm | Clearance in Bearings with Cylindrical Bores |
| CC1(min.) | 5 | µm | Clearance in Bearings with Cylindrical Bores |
| CC1(max.) | 35 | µm | Clearance in Bearings with Tapered Bores |
| CC1(min.) | 15 | µm | Clearance in Bearings with Tapered Bores |
| CC0(max.) | 20 | µm | Clearance in Bearings with Tapered Bores |
| CC0(min.) | 10 | µm | Clearance in Bearings with Tapered Bores |
| CC9(max.) | 15 | µm | Clearance in Bearings with Tapered Bores |
| CC9(min.) | 5 | µm | Clearance in Bearings with Tapered Bores |

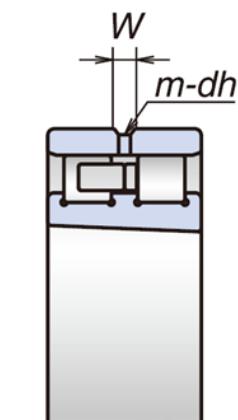




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| | | | |
|-------------------------|-------|-------------------------------|------------------|
| 2.2 | g/brg | Recommended Grease Quantities | |
| Holes Dimensions | | | |
| dh | 2 | mm | Hole Diameter |
| W | 3.5 | mm | Oil Groove Width |
| m | 4 | | Number of Holes |
| Mass | | | |
| 0.862 | kg | Mass(approx.) | |