



NN3020MBKR
 Double-Row Cylindrical Roller Bearings

Parts Number

| |
|--------------------|
| NN3020MBKRE44CC1P4 |
|--------------------|

Boundary Dimensions

| | NN: Inner ring rib type | | Bearing Type |
|---------|-------------------------|----|-------------------|
| d | 100 | mm | Bore diameter |
| D | 150 | mm | Outside diameter |
| B | 37 | mm | Width |
| r(min.) | 1.5 | mm | Chamfer Dimension |

Basic Load Ratings

| | | | |
|-----|-----|----|---------------------------|
| Cr | 180 | kN | Basic Dynamic Load Rating |
| C0r | 265 | kN | Basic Static Load Rating |

Speeds

| | | | |
|---------------|------|-------|----------------|
| Grease | 6000 | min-1 | Limiting Speed |
| Oil (Oil-air) | 7200 | min-1 | Limiting Speed |

Dimensions

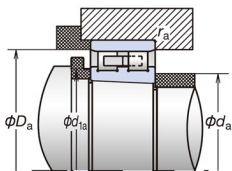
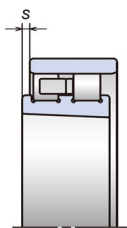
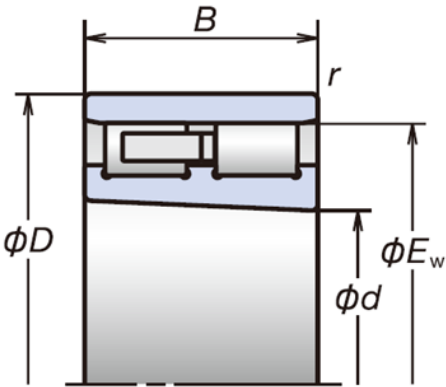
| | | | |
|----|-----|----|---------------------------------------|
| Ew | 137 | mm | Roller Circumscribed Circle Diameters |
| s | 1.4 | mm | Axial Displacement |

Abutment and Fillet Dimensions

| | | | |
|-----------|-----|----|-----------------------------------|
| da(min.) | 108 | mm | Diameter of Shaft Abutment |
| d1a(min.) | 109 | mm | Diameter of Shaft Abutment |
| Da(min.) | 139 | mm | Diameter of Housing Abutment |
| Da(max.) | 142 | mm | Diameter of Housing Abutment |
| ra(max.) | 1.5 | mm | Radius of Shaft or Housing Fillet |

Additional information

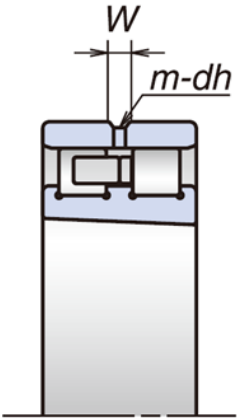
| | | | |
|-----------|----|----|--|
| CC1(max.) | 30 | μm | Clearance in Bearings with Cylindrical Bores |
| CC1(min.) | 10 | μm | Clearance in Bearings with Cylindrical Bores |
| CC1(max.) | 45 | μm | Clearance in Bearings with Tapered Bores |
| CC1(min.) | 25 | μm | Clearance in Bearings with Tapered Bores |
| CC0(max.) | 35 | μm | Clearance in Bearings with Tapered Bores |
| CC0(min.) | 20 | μm | Clearance in Bearings with Tapered Bores |
| CC9(max.) | 25 | μm | Clearance in Bearings with Tapered Bores |
| CC9(min.) | 10 | μm | Clearance in Bearings with Tapered Bores |





PRODUCT DATASHEET

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



| | | |
|-----|-------|-------------------------------|
| 6.8 | g/brg | Recommended Grease Quantities |
|-----|-------|-------------------------------|

Holes Dimensions

| | | | |
|----|-----|----|------------------|
| dh | 2.5 | mm | Hole Diameter |
| W | 5 | mm | Oil Groove Width |
| m | 4 | | Number of Holes |

Mass

| | | |
|------|----|---------------|
| 2.63 | kg | Mass(approx.) |
|------|----|---------------|