



# PRODUCT DATASHEET

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

MOTION & CONTROL  
**NSK**

## 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

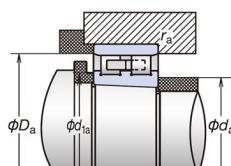
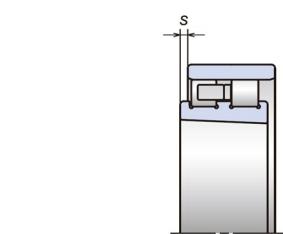
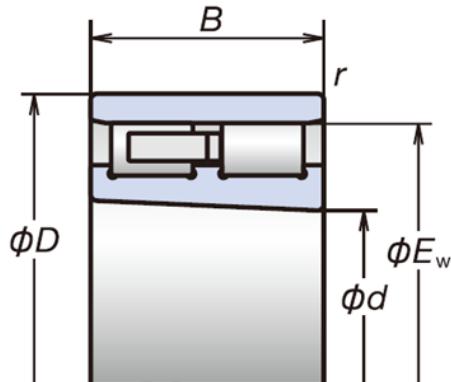
Cr	180	kN	Basic Dynamic Load Rating
C0r	265	kN	Basic Static Load Rating
<b>Speeds</b>			
Grease	6000	min-1	Limiting Speed
Oil (Oil-air)	7200	min-1	Limiting Speed
<b>Dimensions</b>			
Ew	137	mm	Roller Circumscribed Circle Diameters
s	1.4	mm	Axial Displacement

#### 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

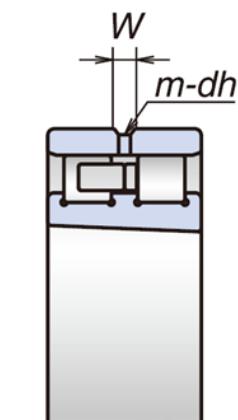




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	6.8	g/brg	Recommended Grease Quantities
<b>Holes Dimensions</b>			
dh	2.5	mm	Hole Diameter
W	5	mm	Oil Groove Width
m	4		Number of Holes
<b>Mass</b>			
	2.63	kg	Mass(approx.)