



# PRODUCT DATASHEET

Datasheet creation date: 2025/05/28 10:39 (UTC)

MOTION & CONTROL  
**NSK**

**2304**

## Self-Aligning Ball Bearings



### Boundary Dimensions

d	20	mm	Bore diameter
D	52	mm	Outside diameter
B	21	mm	Width
r (min.)	1.1	mm	Chamfer dimension

### Basic Load Ratings

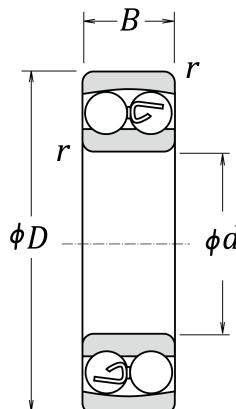
Cr	20300	N	Basic dynamic load rating
C0r	4700	N	Basic static load rating

### Speeds

Grease	11000	min-1	Grease lubrication
Oil (Oil-bath)	14000	min-1	Oil-bath lubrication

### Abutment and Fillet Dimensions

da (min.)	26.5	mm	Diameter of shaft abutment
Da (max.)	45.5	mm	Diameter of housing abutment
ra (max.)	1	mm	Radius of shaft or housing fillet



### Calculation factors

e	0.5	Constant
Y2	1.9	Axial load Factors
Y3	1.2	Axial load Factors
Y0	1.3	Axial load Factors

### Mass

Mass approx.	0.193	kg	Mass approx.
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