



# PRODUCT DATASHEET

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MOTION & CONTROL  
**NSK**



## 22222EAKE4

### Spherical Roller Bearings

#### Parts Number

22222EAKE4C3

#### Boundary Dimensions

d	110	mm	Bore diameter
D	200	mm	Outside diameter
B	53	mm	Width
r (min.)	2.1	mm	Chamfer dimension

#### Basic Load Ratings

Cr	605000	N	Basic dynamic load rating
C0r	645000	N	Basic static load rating

#### Speeds

Thermal Speed Rating (Oil-bath)	3400	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	3400	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	2600	min-1	Grease lubrication
Oil (Oil-bath)	3200	min-1	Oil-bath lubrication

#### Abutment and Fillet Dimensions

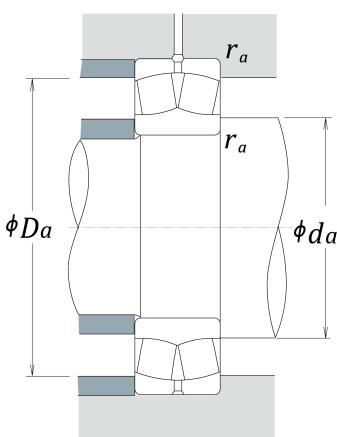
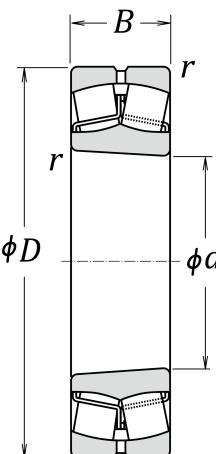
da (min.)	122	mm	Diameter of shaft abutment
da (max.)	129	mm	Diameter of shaft abutment
Da (min.)	178	mm	Diameter of housing abutment
Da (max.)	188	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet

#### Calculation factors

e	0.25	Constant
Y2	4	Axial load Factors
Y3	2.7	Axial load Factors
Y0	2.6	Axial load Factors

#### Mass

Mass approx.	6.99	kg	Mass approx.
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#### Associated products

Adapter	H322X	Adapter
Withdrawal sleeve	AHX3122	Withdrawal sleeve