



# PRODUCT DATASHEET

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MOTION & CONTROL  
**NSK**



## 23144CAME4

### Spherical Roller Bearings

#### Parts Number

23144CAME4C3

#### Boundary Dimensions

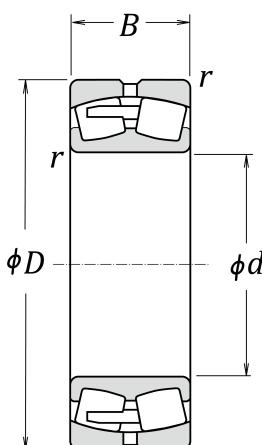
d	220	mm	Bore diameter
D	370	mm	Outside diameter
B	120	mm	Width
r (min.)	4	mm	Chamfer dimension

#### Basic Load Ratings

Cr	1960000	N	Basic dynamic load rating
C0r	2710000	N	Basic static load rating

#### Speeds

Thermal Speed Rating (Oil-bath)	1300	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	1800	min-1	Properly designed and controlled forced-circulation oil lubrication
Oil (Oil-bath)	950	min-1	Oil-bath lubrication

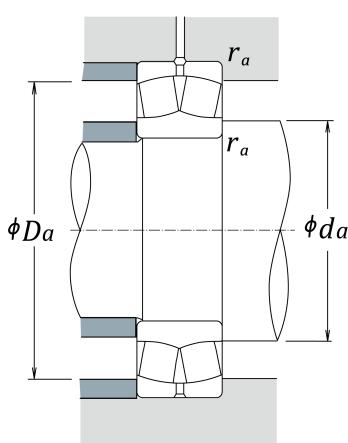


#### Abutment and Fillet Dimensions

da (min.)	238	mm	Diameter of shaft abutment
Da (min.)	320	mm	Diameter of housing abutment
Da (max.)	352	mm	Diameter of housing abutment
ra (max.)	3	mm	Radius of shaft or housing fillet

#### Calculation factors

e	0.31	Constant
Y2	3.3	Axial load Factors
Y3	2.2	Axial load Factors
Y0	2.2	Axial load Factors



#### Mass

Mass approx.	53	kg	Mass approx.
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