



# PRODUCT DATASHEET

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MOTION & CONTROL  
**NSK**



## 22217EAKE4

### Spherical Roller Bearings

#### Parts Number

22217EAKE4C3

#### Boundary Dimensions

d	85	mm	Bore diameter
D	150	mm	Outside diameter
B	36	mm	Width
r (min.)	2	mm	Chamfer dimension

#### Basic Load Ratings

Cr	310000	N	Basic dynamic load rating
C0r	325000	N	Basic static load rating

#### Speeds

Thermal Speed Rating (Oil-bath)	4000	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	5600	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	3400	min-1	Grease lubrication
Oil (Oil-bath)	4300	min-1	Oil-bath lubrication

#### Abutment and Fillet Dimensions

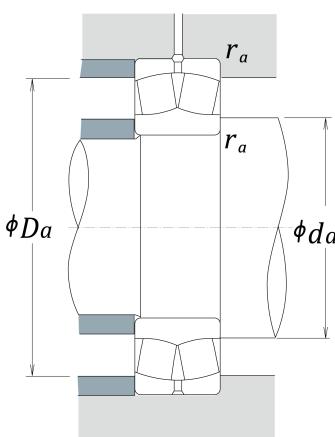
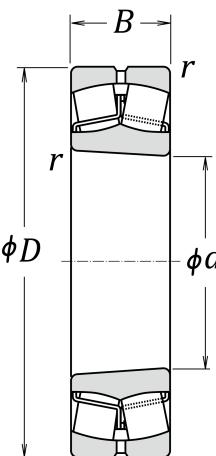
da (min.)	95	mm	Diameter of shaft abutment
da (max.)	101	mm	Diameter of shaft abutment
Da (min.)	135	mm	Diameter of housing abutment
Da (max.)	140	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet

#### Calculation factors

e	0.22	Constant
Y2	4.6	Axial load Factors
Y3	3.1	Axial load Factors
Y0	3	Axial load Factors

#### Mass

Mass approx.	2.54	kg	Mass approx.
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#### Associated products

Adapter	H317X	Adapter
Withdrawal sleeve	AHX317	Withdrawal sleeve