



# PRODUCT DATASHEET

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MOTION & CONTROL  
**NSK**



## 22317EAK4

### Spherical Roller Bearings

#### Parts Number

22317EAK4C3

#### Boundary Dimensions

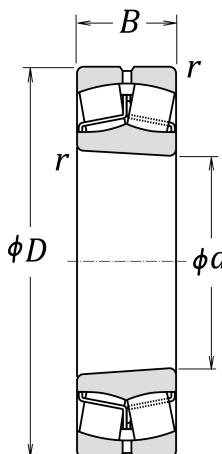
d	85	mm	Bore diameter
D	180	mm	Outside diameter
B	60	mm	Width
r (min.)	3	mm	Chamfer dimension

#### Basic Load Ratings

Cr	600000	N	Basic dynamic load rating
C0r	630000	N	Basic static load rating

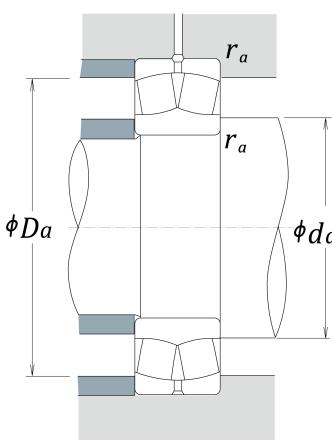
#### Speeds

Thermal Speed Rating (Oil-bath)	3000	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	2400	min-1	Grease lubrication
Oil (Oil-bath)	3200	min-1	Oil-bath lubrication



#### Abutment and Fillet Dimensions

da (min.)	99	mm	Diameter of shaft abutment
da (max.)	110	mm	Diameter of shaft abutment
Da (min.)	155	mm	Diameter of housing abutment
Da (max.)	166	mm	Diameter of housing abutment
ra (max.)	2.5	mm	Radius of shaft or housing fillet



#### Calculation factors

e	0.33	Constant
Y2	3.1	Axial load Factors
Y3	2.1	Axial load Factors
Y0	2	Axial load Factors

#### Mass

Mass approx.	7.23	kg	Mass approx.
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#### Associated products

Adapter	H2317X	Adapter
Withdrawal sleeve	AHX2317	Withdrawal sleeve