



# PRODUCT DATASHEET

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MOTION & CONTROL  
**NSK**



## 22218EAK4

### Spherical Roller Bearings

#### Parts Number

22218EAK4C3

#### Boundary Dimensions

d	90	mm	Bore diameter
D	160	mm	Outside diameter
B	40	mm	Width
r (min.)	2	mm	Chamfer dimension

#### Basic Load Ratings

Cr	360000	N	Basic dynamic load rating
C0r	395000	N	Basic static load rating

#### Speeds

Thermal Speed Rating (Oil-bath)	3800	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	5000	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	3200	min-1	Grease lubrication
Oil (Oil-bath)	4000	min-1	Oil-bath lubrication

#### Abutment and Fillet Dimensions

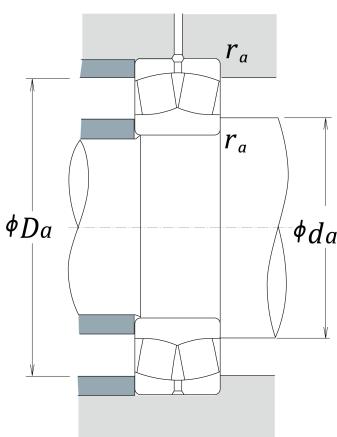
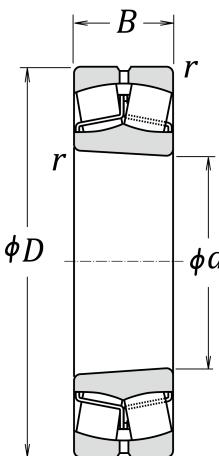
da (min.)	100	mm	Diameter of shaft abutment
da (max.)	108	mm	Diameter of shaft abutment
Da (min.)	142	mm	Diameter of housing abutment
Da (max.)	150	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet

#### Calculation factors

e	0.24	Constant
Y2	4.3	Axial load Factors
Y3	2.9	Axial load Factors
Y0	2.8	Axial load Factors

#### Mass

Mass approx.	3.3	kg	Mass approx.
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#### Associated products

Adapter	H318X	Adapter
Withdrawal sleeve	AHX318	Withdrawal sleeve