



PRODUCT DATASHEET

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MOTION & CONTROL
NSK



22224EAK4

Spherical Roller Bearings

Parts Number

22224EAK4C3

Boundary Dimensions

d	120	mm	Bore diameter
D	215	mm	Outside diameter
B	58	mm	Width
r (min.)	2.1	mm	Chamfer dimension

Basic Load Ratings

Cr	685000	N	Basic dynamic load rating
C0r	765000	N	Basic static load rating

Speeds

Thermal Speed Rating (Oil-bath)	3200	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	3000	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	2400	min-1	Grease lubrication
Oil (Oil-bath)	3000	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

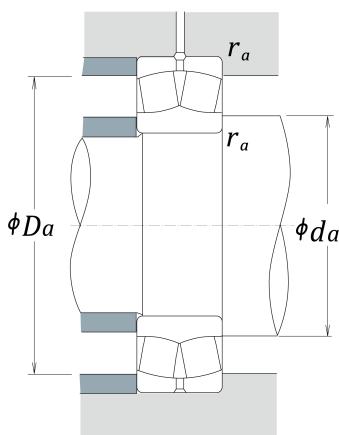
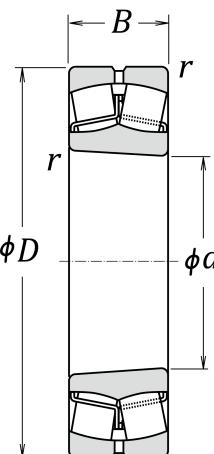
da (min.)	132	mm	Diameter of shaft abutment
da (max.)	142	mm	Diameter of shaft abutment
Da (min.)	190	mm	Diameter of housing abutment
Da (max.)	203	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet

Calculation factors

e	0.25	Constant
Y2	3.9	Axial load Factors
Y3	2.7	Axial load Factors
Y0	2.6	Axial load Factors

Mass

Mass approx.	8.8	kg	Mass approx.
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Associated products

Adapter	H3124	Adapter
Withdrawal sleeve	AHX3124	Withdrawal sleeve