



PRODUCT DATASHEET

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MOTION & CONTROL
NSK



23022CDE4

Spherical Roller Bearings

Boundary Dimensions

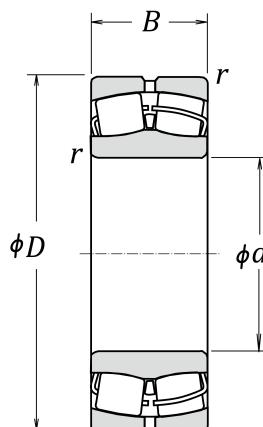
d	110	mm	Bore diameter
D	170	mm	Outside diameter
B	45	mm	Width
r (min.)	2	mm	Chamfer dimension

Basic Load Ratings

Cr	293000	N	Basic dynamic load rating
C0r	465000	N	Basic static load rating

Speeds

Thermal Speed Rating (Oil-bath)	3200	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Grease	2000	min-1	Grease lubrication
Oil (Oil-bath)	2400	min-1	Oil-bath lubrication



Abutment and Fillet Dimensions

da (min.)	120	mm	Diameter of shaft abutment
da (max.)	124	mm	Diameter of shaft abutment
Da (min.)	153	mm	Diameter of housing abutment
Da (max.)	160	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet

Calculation factors

e	0.24	Constant
Y2	4.2	Axial load Factors
Y3	2.8	Axial load Factors
Y0	2.8	Axial load Factors

Mass

Mass approx.	3.76	kg	Mass approx.
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