



PRODUCT DATASHEET

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MOTION & CONTROL
NSK



22320EAE4

Spherical Roller Bearings

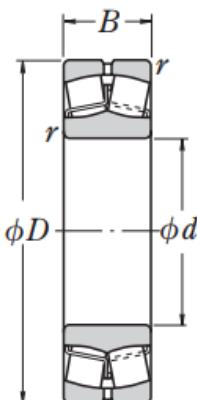
Boundary Dimensions

d	100	mm	Bore diameter
D	215	mm	Outside diameter
B	73	mm	Width
r (min.)	3	mm	Chamfer dimension

Basic Load Ratings

Cr	860000	N	Basic dynamic load rating
C0r	930000	N	Basic static load rating

Speeds



Mechanical (forced-circulation oil)	2400	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	1800	min-1	Grease lubrication
Oil (Oil-bath)	2400	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	114	mm	Diameter of shaft abutment
da (max.)	130	mm	Diameter of shaft abutment
Da (min.)	184	mm	Diameter of housing abutment
Da (max.)	201	mm	Diameter of housing abutment
ra (max.)	2.5	mm	Radius of shaft or housing fillet

Calculation factors

e	0.33	Constant
Y2	3	Axial load Factors
Y3	2	Axial load Factors
Y0	2	Axial load Factors

Mass

Mass approx.	12.7	kg	Mass approx.
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