



PRODUCT DATASHEET

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MOTION & CONTROL
NSK



22318EAE4

Spherical Roller Bearings

Boundary Dimensions

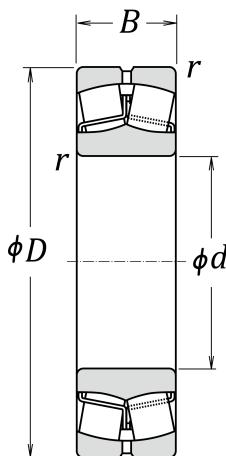
d	90	mm	Bore diameter
D	190	mm	Outside diameter
B	64	mm	Width
r (min.)	3	mm	Chamfer dimension

Basic Load Ratings

Cr	665000	N	Basic dynamic load rating
C0r	705000	N	Basic static load rating

Speeds

Thermal Speed Rating (Oil-bath)	2800	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.)	104	mm	Diameter of shaft abutment
da (max.)	115	mm	Diameter of shaft abutment
Da (min.)	163	mm	Diameter of housing abutment
Da (max.)	176	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.	8.56	kg	Mass approx.
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