



PRODUCT DATASHEET

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MOTION & CONTROL
NSK



24160CAME4

Spherical Roller Bearings

Boundary Dimensions

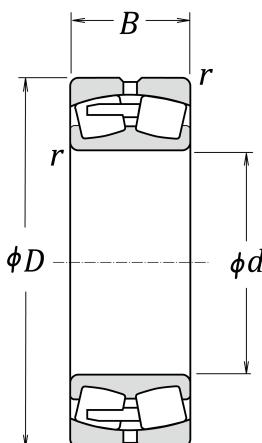
d	300	mm	Bore diameter
D	500	mm	Outside diameter
B	200	mm	Width
r (min.)	5	mm	Chamfer dimension

Basic Load Ratings

Cr	3900000	N	Basic dynamic load rating
C0r	5800000	N	Basic static load rating

Speeds

Thermal Speed Rating (Oil-bath)	530	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	1200	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	500	min-1	Grease lubrication
Oil (Oil-bath)	670	min-1	Oil-bath lubrication



Abutment and Fillet Dimensions

da (min.)	322	mm	Diameter of shaft abutment
Da (min.)	423	mm	Diameter of housing abutment
Da (max.)	478	mm	Diameter of housing abutment
ra (max.)	4	mm	Radius of shaft or housing fillet

Calculation factors

e	0.38	Constant
Y2	2.6	Axial load Factors
Y3	1.8	Axial load Factors
Y0	1.7	Axial load Factors

Mass

Mass approx.	152	kg	Mass approx.
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