



PRODUCT DATASHEET

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23144CAME4

Spherical Roller Bearings

Parts Number

23144CAME4C3

Boundary Dimensions

d	220	mm	Bore diameter
D	370	mm	Outside diameter
B	120	mm	Width
r (min.)	4	mm	Chamfer dimension

Basic Load Ratings

Cr	1960000	N	Basic dynamic load rating
C0r	2710000	N	Basic static load rating

Speeds

Thermal Speed Rating (Oil-bath)	1300	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	1800	min-1	Properly designed and controlled forced-circulation oil lubrication
Oil (Oil-bath)	950	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	238	mm	Diameter of shaft abutment
Da (min.)	320	mm	Diameter of housing abutment
Da (max.)	352	mm	Diameter of housing abutment
ra (max.)	3	mm	Radius of shaft or housing fillet

Calculation factors

e	0.31	Constant
Y2	3.3	Axial load Factors
Y3	2.2	Axial load Factors
Y0	2.2	Axial load Factors

Mass

Mass approx.	53	kg	Mass approx.
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