



PRODUCT DATASHEET

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23944CAME4

Spherical Roller Bearings

Boundary Dimensions

d	220	mm	Bore diameter
D	300	mm	Outside diameter
B	60	mm	Width
r (min.)	2.1	mm	Chamfer dimension

Basic Load Ratings

Cr	785000	N	Basic dynamic load rating
C0r	1240000	N	Basic static load rating

Speeds

Thermal Speed Rating (Oil-bath)	2200	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	2600	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	1000	min-1	Grease lubrication
Oil (Oil-bath)	1300	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	232	mm	Diameter of shaft abutment
Da (min.)	278	mm	Diameter of housing abutment
Da (max.)	288	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet

Calculation factors

e	0.18	Constant
Y2	5.7	Axial load Factors
Y3	3.8	Axial load Factors
Y0	3.7	Axial load Factors

Mass

Mass approx.	12.2	kg	Mass approx.
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