



PRODUCT DATASHEET

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23224CE4

Spherical Roller Bearings

Boundary Dimensions

d	120	mm	Bore diameter
D	215	mm	Outside diameter
B	76	mm	Width
r (min.)	2.1	mm	Chamfer dimension

Basic Load Ratings

Cr	790000	N	Basic dynamic load rating
C0r	970000	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)	3000	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	1300	min-1	Grease lubrication
Oil (Oil-bath)	1700	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	132	mm	Diameter of shaft abutment
da (max.)	140	mm	Diameter of shaft abutment
Da (min.)	182	mm	Diameter of housing abutment
Da (max.)	203	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet

Calculation factors

e	0.34	Constant
Y2	2.9	Axial load Factors
Y3	2	Axial load Factors
Y0	1.9	Axial load Factors

Mass

Mass approx.	12.1	kg	Mass approx.
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