



PRODUCT DATASHEET

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23028CDE4

Spherical Roller Bearings

Boundary Dimensions

d	140	mm	Bore diameter
D	210	mm	Outside diameter
B	53	mm	Width
r (min.)	2	mm	Chamfer dimension

Basic Load Ratings

Cr	525000	N	Basic dynamic load rating
C0r	715000	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)	3800	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	1600	min-1	Grease lubrication
Oil (Oil-bath)	1900	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	150	mm	Diameter of shaft abutment
da (max.)	157	mm	Diameter of shaft abutment
Da (min.)	190	mm	Diameter of housing abutment
Da (max.)	200	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet

Calculation factors

e	0.22	Constant
Y2	4.5	Axial load Factors
Y3	3	Axial load Factors
Y0	2.9	Axial load Factors

Mass

Mass approx.	6.49	kg	Mass approx.
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