



PRODUCT DATASHEET

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22315EAE4

Spherical Roller Bearings

Boundary Dimensions

d	75	mm	Bore diameter
D	160	mm	Outside diameter
B	55	mm	Width
r (min.)	2.1	mm	Chamfer dimension

Basic Load Ratings

Cr	485000	N	Basic dynamic load rating
C0r	505000	N	Basic static load rating

Speeds

Thermal Speed Rating (Oil-bath)	3400	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	4300	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	2800	min-1	Grease lubrication
Oil (Oil-bath)	3600	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	87	mm	Diameter of shaft abutment
da (max.)	97	mm	Diameter of shaft abutment
Da (min.)	137	mm	Diameter of housing abutment
Da (max.)	148	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet

Calculation factors

e	0.33	Constant
Y2	3	Axial load Factors
Y3	2	Axial load Factors
Y0	2	Axial load Factors

Mass

Mass approx.	5.26	kg	Mass approx.
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