



PRODUCT DATASHEET

Datasheet creation date: 2025/05/28 10:29 (UTC)



22232CDE4

Spherical Roller Bearings

Boundary Dimensions

d	160	mm	Bore diameter
D	290	mm	Outside diameter
B	80	mm	Width
r (min.)	3	mm	Chamfer dimension

Basic Load Ratings

Cr	1140000	N	Basic dynamic load rating
C0r	1320000	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)	2800	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	1200	min-1	Grease lubrication
Oil (Oil-bath)	1500	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	174	mm	Diameter of shaft abutment
da (max.)	190	mm	Diameter of shaft abutment
Da (min.)	255	mm	Diameter of housing abutment
Da (max.)	276	mm	Diameter of housing abutment
ra (max.)	2.5	mm	Radius of shaft or housing fillet

Calculation factors

e	0.26	Constant
Y2	3.8	Axial load Factors
Y3	2.6	Axial load Factors
Y0	2.5	Axial load Factors

Mass

Mass approx.	23.1	kg	Mass approx.
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