



PRODUCT DATASHEET

Datasheet creation date: 2025/05/28 10:50 (UTC)



24036CE4

Spherical Roller Bearings

Boundary Dimensions

d	180	mm	Bore diameter
D	280	mm	Outside diameter
B	100	mm	Width
r (min.)	2.1	mm	Chamfer dimension

Basic Load Ratings

Cr	1210000	N	Basic dynamic load rating
C0r	1750000	N	Basic static load rating

Speeds

Thermal Speed Rating (Oil-bath)	1500	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	2200	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	950	min-1	Grease lubrication
Oil (Oil-bath)	1200	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	192	mm	Diameter of shaft abutment
da (max.)	200	mm	Diameter of shaft abutment
Da (min.)	245	mm	Diameter of housing abutment
Da (max.)	268	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet

Calculation factors

e	0.32	Constant
Y2	3.1	Axial load Factors
Y3	2.1	Axial load Factors
Y0	2	Axial load Factors

Mass

Mass approx.	22.7	kg	Mass approx.
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