



PRODUCT DATASHEET

Datasheet creation date: 2025/05/28 10:25 (UTC)



22222EAE4

Spherical Roller Bearings

Parts Number

22222EAE4C3

Boundary Dimensions

d	110	mm	Bore diameter
D	200	mm	Outside diameter
B	53	mm	Width
r (min.)	2.1	mm	Chamfer dimension

Basic Load Ratings

Cr	605000	N	Basic dynamic load rating
C0r	645000	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)	3400	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	2600	min-1	Grease lubrication
Oil (Oil-bath)	3200	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	122	mm	Diameter of shaft abutment
da (max.)	129	mm	Diameter of shaft abutment
Da (min.)	178	mm	Diameter of housing abutment
Da (max.)	188	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet

Calculation factors

e	0.25	Constant
Y2	4	Axial load Factors
Y3	2.7	Axial load Factors
Y0	2.6	Axial load Factors

Mass

Mass approx.	6.99	kg	Mass approx.
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