



PRODUCT DATASHEET

Datasheet creation date: 2025/05/28 7:52 (UTC)



22210EAKE4

Spherical Roller Bearings

Parts Number

22210EAKE4

Boundary Dimensions

d	50	mm	Bore diameter
D	90	mm	Outside diameter
B	23	mm	Width
r (min.)	1.1	mm	Chamfer dimension

Basic Load Ratings

Cr	124000	N	Basic dynamic load rating
C0r	119000	N	Basic static load rating

Speeds

Thermal Speed Rating (Oil-bath)	6000	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	9500	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	5600	min-1	Grease lubrication
Oil (Oil-bath)	7100	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	57	mm	Diameter of shaft abutment
da (max.)	60	mm	Diameter of shaft abutment
Da (min.)	81	mm	Diameter of housing abutment
Da (max.)	83	mm	Diameter of housing abutment
ra (max.)	1	mm	Radius of shaft or housing fillet

Calculation factors

e	0.24	Constant
Y2	4.3	Axial load Factors
Y3	2.9	Axial load Factors
Y0	2.8	Axial load Factors

Mass

Mass approx.	0.61	kg	Mass approx.
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