



PRODUCT DATASHEET

Datasheet creation date: 2025/05/28 10:20 (UTC)

MOTION & CONTROL
NSK



22216EAE4

Spherical Roller Bearings

Parts Number

22216EAE4C3

Boundary Dimensions

d	80	mm	Bore diameter
D	140	mm	Outside diameter
B	33	mm	Width
r (min.)	2	mm	Chamfer dimension

Basic Load Ratings

Cr	264000	N	Basic dynamic load rating
C0r	275000	N	Basic static load rating

Speeds

Thermal Speed Rating (Oil-bath)	4000	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	6000	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	3600	min-1	Grease lubrication
Oil (Oil-bath)	4500	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	90	mm	Diameter of shaft abutment
da (max.)	94	mm	Diameter of shaft abutment
Da (min.)	126	mm	Diameter of housing abutment
Da (max.)	130	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet

Calculation factors

e	0.22	Constant
Y2	4.6	Axial load Factors
Y3	3.1	Axial load Factors
Y0	3	Axial load Factors

Mass

Mass approx.	2.01	kg	Mass approx.
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