

PRODUCT DATASHEET

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22211EAKE4

Spherical Roller Bearings

Boundary Dimensions

d	55	mm	Bore diameter
D	100	mm	Outside diameter
В	25	mm	Width
r (min.)	1.5	mm	Chamfer dimension
Basic Load Ratings	S		
Cr	149000	N	Basic dynamic load rating
C0r	144000	N	Basic static load rating
Speeds			
Thermal Speed	5300	min-1	Oil-bath lubrication subject to conditions outlined in

min-1

min-1

min-1

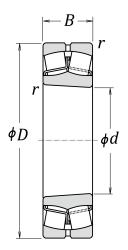
ISO 15312

oil lubrication

Grease lubrication

Oil-bath lubrication

Properly designed and controlled forced-circulation

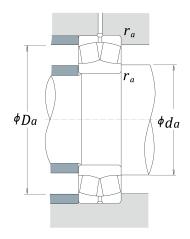


Grease 5300 Oil (Oil-bath) 6700

Abutment and Fillet Dimensions

9000

da (min.)	64	mm	Diameter of shaft abutment	
da (max.)	65	mm	Diameter of shaft abutment	
Da (min.)	89	mm	Diameter of housing abutment	
Da (max.)	91	mm	Diameter of housing abutment	
ra (max.)	1.5	mm	Radius of shaft or housing fillet	



Calculation factors

Rating (Oil-bath)

(forced-circulation

Mechanical

oil)

е	0.23		Constant
Y2	4.3		Axial load Factors
Y3	2.9		Axial load Factors
Y0	2.8		Axial load Factors
Mass			
Mass approx.	0.81	kg	Mass approx.

Associated products

Adapter	H311X	Adapter
Withdrawal sleeve	AHX311	Withdrawal sleeve