

PRODUCT DATASHEET

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22214EAE4

Spherical Roller Bearings

Boundary Dimensions

d	70	mm	Bore diameter	
D	125	mm	Outside diameter	
В	31	mm	Width	
r (min.)	1.5	mm	Chamfer dimension	
Basic Load Ratio	ngs			
Basic Load Ratio	ngs 225000	N	Basic dynamic load rating	
	-	N N	Basic dynamic load rating Basic static load rating	

Speeds

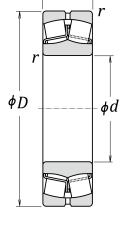
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Thermal Speed Rating (Oil-bath)	4500	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	7100	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	4000	min-1	Grease lubrication
Oil (Oil-bath)	5300	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	79	mm	Diameter of shaft abutment
da (max.)	84	mm	Diameter of shaft abutment
Da (min.)	111	mm	Diameter of housing abutment
Da (max.)	116	mm	Diameter of housing abutment
ra (max.)	1.5	mm	Radius of shaft or housing fillet

Calculation factors

е	0.23		Constant
Y2	4.3		Axial load Factors
Y3	2.9		Axial load Factors
Υ0	2.8		Axial load Factors
Mass			
Mace approv	1 50	ka	Mace approx



- В →

