



PRODUCT DATASHEET

Datasheet creation date: 2025/05/28 10:30 (UTC)



22317EAE4

Spherical Roller Bearings

Boundary Dimensions

d	85	mm	Bore diameter
D	180	mm	Outside diameter
B	60	mm	Width
r (min.)	3	mm	Chamfer dimension

Basic Load Ratings

Cr	600000	N	Basic dynamic load rating
C0r	630000	N	Basic static load rating

Speeds

Thermal Speed Rating (Oil-bath)	3000	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	2400	min-1	Grease lubrication
Oil (Oil-bath)	3200	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	99	mm	Diameter of shaft abutment
da (max.)	110	mm	Diameter of shaft abutment
Da (min.)	155	mm	Diameter of housing abutment
Da (max.)	166	mm	Diameter of housing abutment
ra (max.)	2.5	mm	Radius of shaft or housing fillet

Calculation factors

e	0.33	Constant
Y2	3.1	Axial load Factors
Y3	2.1	Axial load Factors
Y0	2	Axial load Factors

Mass

Mass approx.	7.23	kg	Mass approx.
--------------	------	----	--------------

