



PRODUCT DATASHEET

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22356CAME4

Spherical Roller Bearings

Boundary Dimensions

d	280	mm	Bore diameter
D	580	mm	Outside diameter
B	175	mm	Width
r (min.)	6	mm	Chamfer dimension

Basic Load Ratings

Cr	4350000	N	Basic dynamic load rating
C0r	5150000	N	Basic static load rating

Speeds

Thermal Speed Rating (Oil-bath)	670	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	1300	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	560	min-1	Grease lubrication
Oil (Oil-bath)	710	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	308	mm	Diameter of shaft abutment
Da (min.)	496	mm	Diameter of housing abutment
Da (max.)	552	mm	Diameter of housing abutment
ra (max.)	5	mm	Radius of shaft or housing fillet

Calculation factors

e	0.31	Constant
Y2	3.2	Axial load Factors
Y3	2.1	Axial load Factors
Y0	2.1	Axial load Factors

Mass

Mass approx.	221	kg	Mass approx.
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