



24140CE4

Spherical Roller Bearings

Parts Number

24140CE4C3

Boundary Dimensions

d	200	mm	Bore diameter
D	340	mm	Outside diameter
B	140	mm	Width
r (min.)	3	mm	Chamfer dimension

Basic Load Ratings

Cr	1960000	N	Basic dynamic load rating
C0r	2670000	N	Basic static load rating

Speeds

Thermal Speed Rating (Oil-bath)	950	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	1800	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	800	min-1	Grease lubrication
Oil (Oil-bath)	1000	min-1	Oil-bath lubrication

Abutment and Fillet Dimensions

da (min.)	214	mm	Diameter of shaft abutment
da (max.)	226	mm	Diameter of shaft abutment
Da (min.)	290	mm	Diameter of housing abutment
Da (max.)	326	mm	Diameter of housing abutment
ra (max.)	2.5	mm	Radius of shaft or housing fillet

Calculation factors

e	0.39	Constant
Y2	2.6	Axial load Factors
Y3	1.8	Axial load Factors
Y0	1.7	Axial load Factors

Mass

Mass approx.	51.3	kg	Mass approx.
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