



# PRODUCT DATASHEET

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## 24028CE4

### Spherical Roller Bearings

#### Boundary Dimensions

d	140	mm	Bore diameter
D	210	mm	Outside diameter
B	69	mm	Width
r (min.)	2	mm	Chamfer dimension

#### Basic Load Ratings

Cr	655000	N	Basic dynamic load rating
C0r	945000	N	Basic static load rating

#### Speeds

Thermal Speed Rating (Oil-bath)	2200	min-1	Oil-bath lubrication subject to conditions outlined in ISO 15312
Mechanical (forced-circulation oil)	3000	min-1	Properly designed and controlled forced-circulation oil lubrication
Grease	1300	min-1	Grease lubrication
Oil (Oil-bath)	1700	min-1	Oil-bath lubrication

#### Abutment and Fillet Dimensions

da (min.)	150	mm	Diameter of shaft abutment
da (max.)	154	mm	Diameter of shaft abutment
Da (min.)	186	mm	Diameter of housing abutment
Da (max.)	200	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet

#### Calculation factors

e	0.29	Constant
Y2	3.4	Axial load Factors
Y3	2.3	Axial load Factors
Y0	2.2	Axial load Factors

#### Mass

Mass approx.	8.37	kg	Mass approx.
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