



## 2307

### Self-Aligning Ball Bearings



#### Boundary Dimensions

d	35	mm	Bore diameter
D	80	mm	Outside diameter
B	31	mm	Width
r (min.)	1.5	mm	Chamfer dimension

#### Basic Load Ratings

Cr	44000	N	Basic dynamic load rating
C0r	11300	N	Basic static load rating

#### Speeds

Grease	7100	min-1	Grease lubrication
Oil (Oil-bath)	9000	min-1	Oil-bath lubrication

#### Abutment and Fillet Dimensions

da (min.)	43	mm	Diameter of shaft abutment
Da (max.)	72	mm	Diameter of housing abutment
ra (max.)	1.5	mm	Radius of shaft or housing fillet

#### Calculation factors

e	0.46	Constant
Y2	2.1	Axial load Factors
Y3	1.4	Axial load Factors
Y0	1.4	Axial load Factors

#### Mass

Mass approx.	0.642	kg	Mass approx.
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