



## 1205

### Self-Aligning Ball Bearings

#### Boundary Dimensions

d	25	mm	Bore diameter
D	52	mm	Outside diameter
B	15	mm	Width
r (min.)	1	mm	Chamfer dimension

#### Basic Load Ratings

Cr	13400	N	Basic dynamic load rating
C0r	3300	N	Basic static load rating

#### Speeds

Grease	12000	min-1	Grease lubrication
Oil (Oil-bath)	14000	min-1	Oil-bath lubrication

#### Abutment and Fillet Dimensions

da (min.)	30	mm	Diameter of shaft abutment
Da (max.)	47	mm	Diameter of housing abutment
ra (max.)	1	mm	Radius of shaft or housing fillet

#### Calculation factors

e	0.28	Constant
Y2	3.5	Axial load Factors
Y3	2.3	Axial load Factors
Y0	2.4	Axial load Factors

#### Mass

Mass approx.	0.14	kg	Mass approx.
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