



# PRODUCT DATASHEET

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MOTION & CONTROL  
**NSK**

**1311**

## Self-Aligning Ball Bearings



### Boundary Dimensions

d	55	mm	Bore diameter
D	120	mm	Outside diameter
B	29	mm	Width
r (min.)	2	mm	Chamfer dimension

### Basic Load Ratings

Cr	57000	N	Basic dynamic load rating
C0r	17900	N	Basic static load rating

### Speeds

Grease	5000	min-1	Grease lubrication
Oil (Oil-bath)	6300	min-1	Oil-bath lubrication

### Abutment and Fillet Dimensions

da (min.)	64	mm	Diameter of shaft abutment
Da (max.)	111	mm	Diameter of housing abutment
ra (max.)	2	mm	Radius of shaft or housing fillet

### Calculation factors

e	0.23	Constant
Y2	4.2	Axial load Factors
Y3	2.7	Axial load Factors
Y0	2.8	Axial load Factors

### Mass

Mass approx.	1.6	kg	Mass approx.
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