



## 3311 DMA

### Angular contact ball bearings, double row

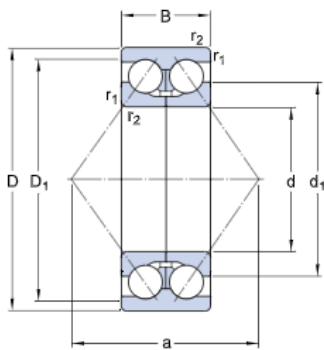
#### Bearing data

Tolerances,  
Normal, P6, P5,  
Internal clearance,  
table, drawing no

#### Bearing interfaces

Seat tolerances for standard  
conditions,  
Tolerances and resultant fit

### Technical specification

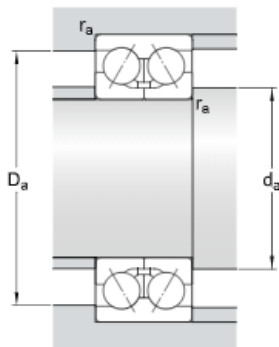


#### DIMENSIONS

d	55 mm
D	120 mm
B	49.2 mm
d <sub>1</sub>	≈ 81.4 mm
D <sub>1</sub>	≈ 104.4 mm
r <sub>1,2</sub>	min. 2 mm
a	114 mm

#### ABUTMENT DIMENSIONS

d <sub>a</sub>	min. 66 mm
D <sub>a</sub>	max. 109 mm
r <sub>a</sub>	max. 2 mm



## CALCULATION DATA

Basic dynamic load rating	C	111 kN
Basic static load rating	C <sub>0</sub>	100 kN
Fatigue load limit	P <sub>u</sub>	4.3 kN
Reference speed		6000 r/min
Limiting speed		5000 r/min
Calculation factor	k <sub>r</sub>	0.095
Calculation factor	e	1.34
Calculation factor	X	0.54
Calculation factor	Y <sub>0</sub>	0.44
Calculation factor	Y <sub>1</sub>	0.47
Calculation factor	Y <sub>2</sub>	0.81

## MASS

Mass bearing	2.82 kg
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## More information

Product details	Engineering information	Tools
<a href="#">Designs and variants</a> <hr/>	<a href="#">Principles of rolling bearing selection</a> <hr/>	<a href="#">Bearing Select</a> <hr/>
<a href="#">Bearing data</a> <hr/>	<a href="#">General bearing knowledge</a> <hr/>	<a href="#">SimPro Quick</a> <hr/>
<a href="#">Loads</a> <hr/>	<a href="#">Bearing selection process</a> <hr/>	<a href="#">Engineering Calculator</a> <hr/>
<a href="#">Temperature limits</a> <hr/>	<a href="#">Bearing interfaces</a> <hr/>	<a href="#">LubeSelect for SKF greases</a> <hr/>
<a href="#">Permissible speed</a> <hr/>	<a href="#">Seat tolerances for standard conditions</a> <hr/>	<a href="#">Heater selection tool</a> <hr/>
<a href="#">Designation system</a> <hr/>	<a href="#">Selecting internal clearance or preload</a> <hr/>	<a href="#">Rolling bearings mounting and dismounting instructions</a> <hr/>
	<a href="#">Lubrication</a> <hr/>	
	<a href="#">Sealing, mounting and dismounting</a> <hr/>	
	<a href="#">Bearing failure and how to prevent it</a> <hr/>	

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