

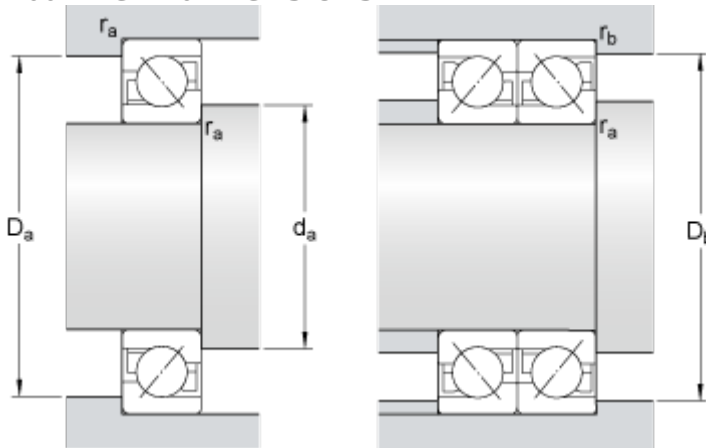
# 7211 BEP

## Dimensions



d	55	mm
D	100	mm
B	21	mm
d <sub>1</sub>	≈ 72.5	mm
d <sub>2</sub>	≈ 63.62	mm
D <sub>1</sub>	≈ 83.3	mm
a	43	mm
r <sub>1,2</sub>	min. 1.5	mm
r <sub>3,4</sub>	min. 1	mm

## Abutment dimensions



da	min. 64	mm
Da	max. 91	mm
D <sub>b</sub>	max. 94	mm
ra	max. 1.5	mm
rb	max. 1	mm

## Calculation data

Basic dynamic load rating	C	46.2	kN
Basic static load rating	C	36	kN
Fatigue load limit	P <sub>u</sub>	1.53	kN
Reference speed		5600	r/min
Limiting speed		7500	r/min
Calculation factor	A	0.022	
Calculation factor	k <sub>r</sub>	0.095	
Calculation factor	e	1.14	

## Single bearing or bearing pair arranged in tandem

Calculation factor	X	0.35
Calculation factor	Y	0.26
Calculation factor	Y <sub>2</sub>	0.57

## Bearing pair arranged back-to-back or face-to-face

Calculation factor	X	0.57
Calculation factor	Y	0.52
Calculation factor	Y <sub>1</sub>	0.55

Calculation factor

$Y_2$

0.93

**Mass**

Mass bearing

0.62

kg