

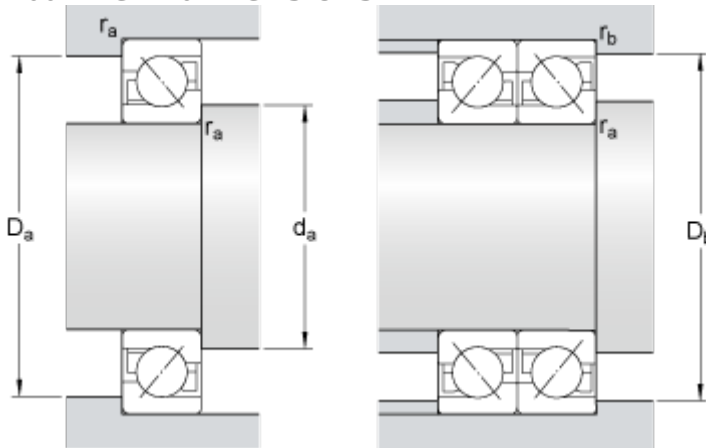
# 7201 BEP

## Dimensions



d	12	mm
D	32	mm
B	10	mm
d <sub>1</sub>	≈ 20.2	mm
d <sub>2</sub>	≈ 16.57	mm
D <sub>1</sub>	≈ 25	mm
a	14	mm
r <sub>1,2</sub>	min. 0.6	mm
r <sub>3,4</sub>	min. 0.3	mm

## Abutment dimensions



d <sub>a</sub>	min. 16.2	mm
D <sub>a</sub>	max. 27.8	mm
D <sub>b</sub>	max. 30	mm
r <sub>a</sub>	max. 0.6	mm
r <sub>b</sub>	max. 0.3	mm

## Calculation data

Basic dynamic load rating	C	7.61	kN
Basic static load rating	C	3.8	kN
Fatigue load limit	P <sub>u</sub>	0.16	kN
Reference speed		20000	r/min
Limiting speed		26000	r/min
Calculation factor	A	0.000283	
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

0.036

kg