

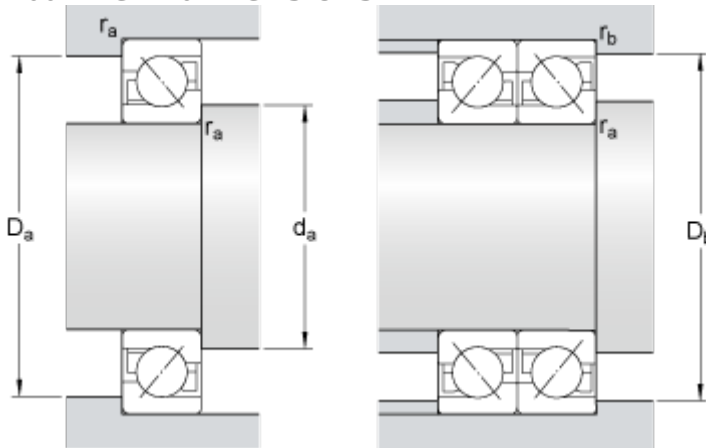
# 7200 BEP

## Dimensions



d	10	mm
D	30	mm
B	9	mm
d <sub>1</sub>	≈ 18.3	mm
d <sub>2</sub>	≈ 14.57	mm
D <sub>1</sub>	≈ 22.85	mm
a	13	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. 14.2	mm
D <sub>a</sub>	max. 25.8	mm
D <sub>b</sub>	max. 27.6	mm
r <sub>a</sub>	max. 0.6	mm
r <sub>b</sub>	max. 0.3	mm

## Calculation data

Basic dynamic load rating	C	7.02	kN
Basic static load rating	C	3.35	kN
Fatigue load limit	P <sub>u</sub>	0.14	kN
Reference speed		22000	r/min
Limiting speed		30000	r/min
Calculation factor	A	0.000224	
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

0.03

kg