

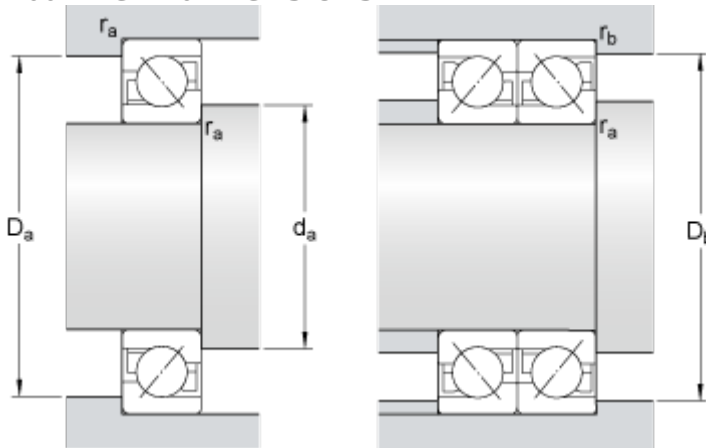
# 7301 BEP

## Dimensions



d	12	mm
D	37	mm
B	12	mm
d <sub>1</sub>	≈ 21.75	mm
d <sub>2</sub>	≈ 16.95	mm
D <sub>1</sub>	≈ 28.25	mm
a	16.3	mm
r <sub>1,2</sub>	min. 1	mm
r <sub>3,4</sub>	min. 0.6	mm

## Abutment dimensions



d <sub>a</sub>	min. 17.6	mm
D <sub>a</sub>	max. 31.4	mm
D <sub>b</sub>	max. 32.8	mm
r <sub>a</sub>	max. 1	mm
r <sub>b</sub>	max. 0.6	mm

## Calculation data

Basic dynamic load rating	C	10.6	kN
Basic static load rating	C	5	kN
Fatigue load limit	P <sub>u</sub>	0.208	kN
Reference speed		18000	r/min
Limiting speed		24000	r/min
Calculation factor	A	0.000537	
Calculation factor	k <sub>r</sub>	0.1	
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

0.06

kg