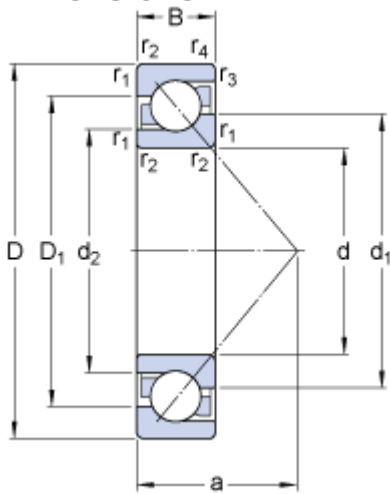


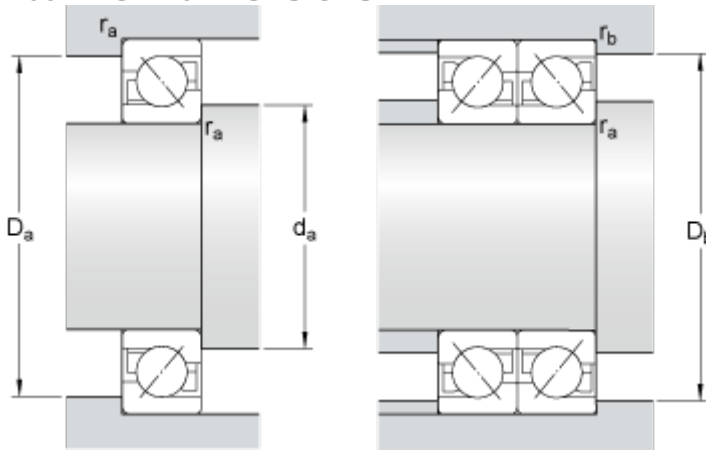
# 7314 BEP

## Dimensions



d	70	mm
D	150	mm
B	35	mm
d <sub>1</sub>	≈ 101.1	mm
d <sub>2</sub>	≈ 84.4	mm
D <sub>1</sub>	≈ 121.5	mm
a	64	mm
r <sub>1,2</sub>	min. 2.1	mm
r <sub>3,4</sub>	min. 1.1	mm

## Abutment dimensions



d <sub>a</sub>	min. 82	mm
D <sub>a</sub>	max. 138	mm
D <sub>b</sub>	max. 143	mm
r <sub>a</sub>	max. 2	mm
r <sub>b</sub>	max. 1	mm

## Calculation data

Basic dynamic load rating	C	119	kN
Basic static load rating	C	90	kN
Fatigue load limit	P <sub>u</sub>	3.65	kN
Reference speed		4000	r/min
Limiting speed		5300	r/min
Calculation factor	A	0.145	
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**

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Mass bearing

2.65

kg