

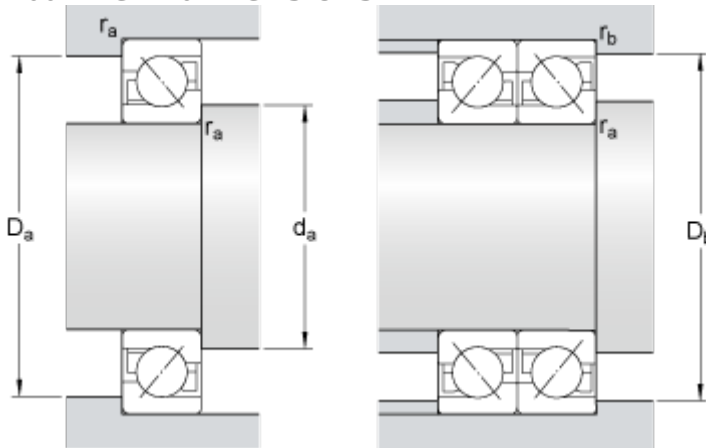
7219 BEP

Dimensions



d	95	mm
D	170	mm
B	32	mm
d ₁	≈ 124.3	mm
d ₂	≈ 109.09	mm
D ₁	≈ 142.45	mm
a	72	mm
r _{1,2}	min. 2.1	mm
r _{3,4}	min. 1.1	mm

Abutment dimensions



d _a	min. 107	mm
D _a	max. 158	mm
D _b	max. 163	mm
r _a	max. 2	mm
r _b	max. 1	mm

Calculation data

Basic dynamic load rating	C	124	kN
Basic static load rating	C	108	kN
Fatigue load limit	P _u	4	kN
Reference speed		3200	r/min
Limiting speed		4300	r/min
Calculation factor	A	0.191	
Calculation factor	k _r	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 ₂	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 ₁	0.55

Calculation factor

Y_2

0.93

Mass

Mass bearing

2.7

kg