

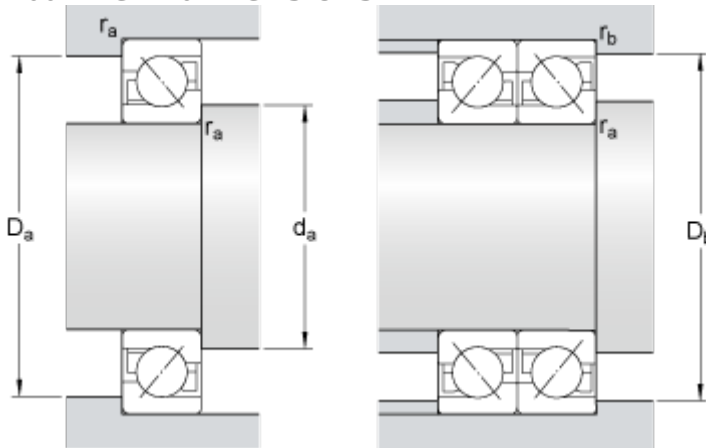
7310 BEP

Dimensions



d		50	mm
D		110	mm
B		27	mm
d ₁	≈	73.8	mm
d ₂	≈	61.13	mm
D ₁	≈	88.8	mm
a		47	mm
r _{1,2}	min.	2	mm
r _{3,4}	min.	1	mm

Abutment dimensions



d _a	min.	61	mm
D _a	max.	99	mm
D _b	max.	104	mm
r _a	max.	2	mm
r _b	max.	1	mm

Calculation data

Basic dynamic load rating	C	68.9	kN
Basic static load rating	C	47.5	kN
Fatigue load limit	P _u	2	kN
Reference speed		5300	r/min
Limiting speed		7500	r/min
Calculation factor	A	0.0418	
Calculation factor	k _r	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 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

1.1

kg