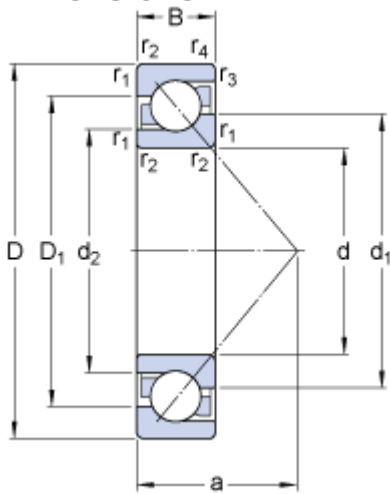


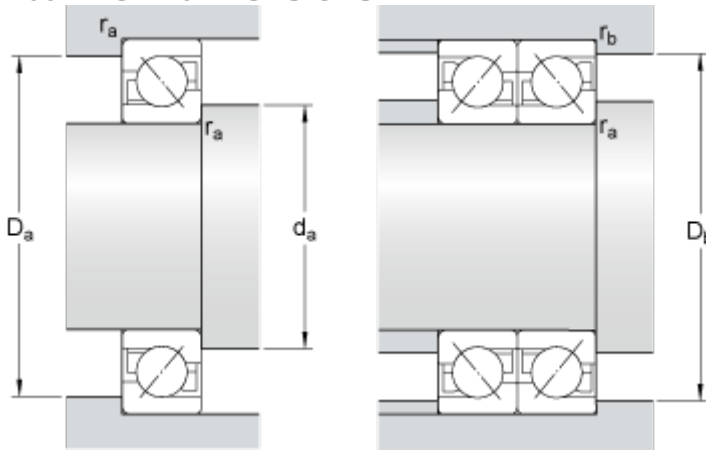
7309 BEP

Dimensions



d		45	mm
D		100	mm
B		25	mm
d ₁	≈	66.5	mm
d ₂	≈	55.25	mm
D ₁	≈	79.9	mm
a		43	mm
r _{1,2}	min.	1.5	mm
r _{3,4}	min.	1	mm

Abutment dimensions



d _a	min.	54	mm
D _a	max.	91	mm
D _b	max.	94.4	mm
r _a	max.	1.5	mm
r _b	max.	1	mm

Calculation data

Basic dynamic load rating	C	55.9	kN
Basic static load rating	C	37.5	kN
Fatigue load limit	P _u	1.6	kN
Reference speed		6000	r/min
Limiting speed		8000	r/min
Calculation factor	A	0.0268	
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

0.82

kg