

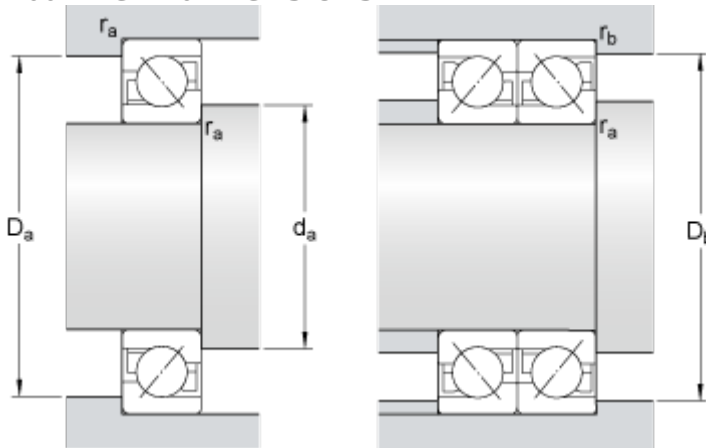
7308 BEP

Dimensions



d		40	mm
D		90	mm
B		23	mm
d ₁	≈	59.7	mm
d ₂	≈	49.55	mm
D ₁	≈	71.6	mm
a		39	mm
r _{1,2}	min.	1.5	mm
r _{3,4}	min.	1	mm

Abutment dimensions



d _a	min.	49	mm
D _a	max.	81	mm
D _b	max.	84.4	mm
r _a	max.	1.5	mm
r _b	max.	1	mm

Calculation data

Basic dynamic load rating	C	46.2	kN
Basic static load rating	C	30.5	kN
Fatigue load limit	P _u	1.29	kN
Reference speed		6700	r/min
Limiting speed		9000	r/min
Calculation factor	A	0.0173	
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

0.62

kg