

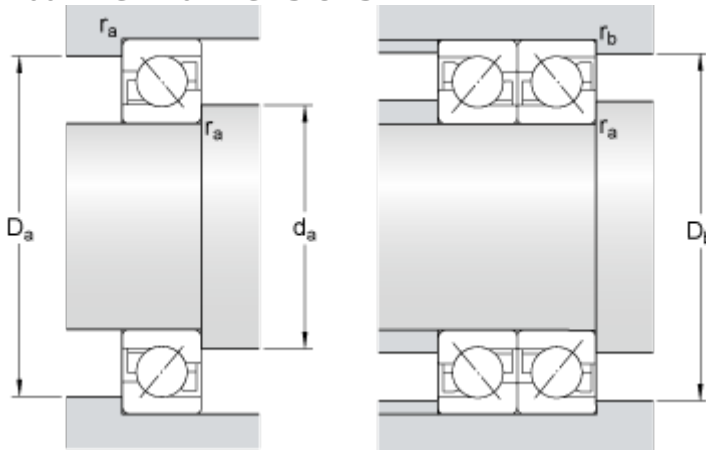
7305 BEP

Dimensions



d	25	mm
D	62	mm
B	17	mm
d ₁	≈ 39.75	mm
d ₂	≈ 32.38	mm
D ₁	≈ 48.25	mm
a	26.8	mm
r _{1,2}	min. 1.1	mm
r _{3,4}	min. 0.6	mm

Abutment dimensions



d _a	min. 32	mm
D _a	max. 55	mm
D _b	max. 57.8	mm
r _a	max. 1	mm
r _b	max. 0.6	mm

Calculation data

Basic dynamic load rating	C	24.2	kN
Basic static load rating	C	14	kN
Fatigue load limit	P _u	0.6	kN
Reference speed		10000	r/min
Limiting speed		14000	r/min
Calculation factor	A	0.00391	
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

0.23

kg