

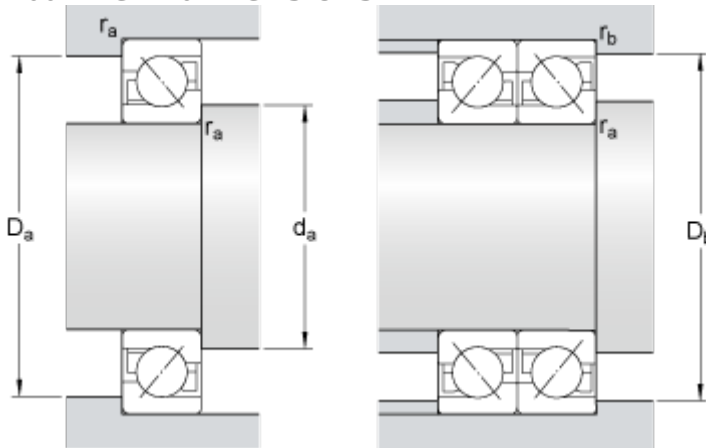
7315 BEP

Dimensions



d	75	mm
D	160	mm
B	37	mm
d ₁	≈ 108.25	mm
d ₂	≈ 91.13	mm
D ₁	≈ 128.9	mm
a	68	mm
r _{1,2}	min. 2.1	mm
r _{3,4}	min. 1.1	mm

Abutment dimensions



d _a	min. 87	mm
D _a	max. 148	mm
D _b	max. 153	mm
r _a	max. 2	mm
r _b	max. 1	mm

Calculation data

Basic dynamic load rating	C	125	kN
Basic static load rating	C	98	kN
Fatigue load limit	P _u	3.8	kN
Reference speed		3800	r/min
Limiting speed		5000	r/min
Calculation factor	A	0.171	
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

3.2

kg