

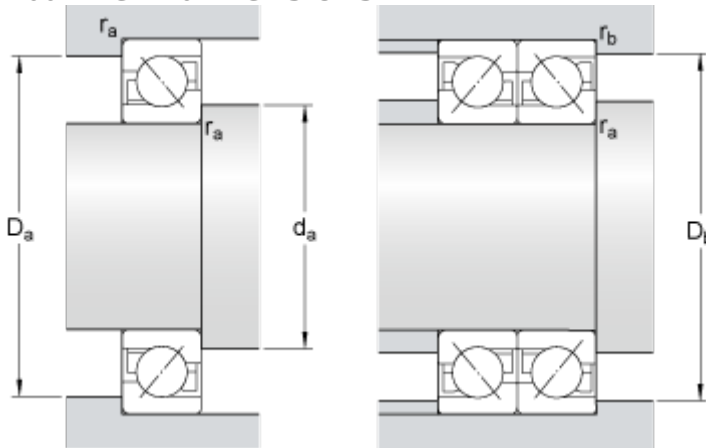
7218 BEP

Dimensions



d	90	mm
D	160	mm
B	30	mm
d ₁	≈ 117.1	mm
d ₂	≈ 103.06	mm
D ₁	≈ 134.8	mm
a	67	mm
r _{1,2}	min. 2	mm
r _{3,4}	min. 1	mm

Abutment dimensions



d _a	min. 101	mm
D _a	max. 149	mm
D _b	max. 154	mm
r _a	max. 2	mm
r _b	max. 1	mm

Calculation data

Basic dynamic load rating	C	108	kN
Basic static load rating	C	96.5	kN
Fatigue load limit	P _u	3.65	kN
Reference speed		3600	r/min
Limiting speed		4500	r/min
Calculation factor	A	0.149	
Calculation factor	k _r	0.095	
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

2.3

kg