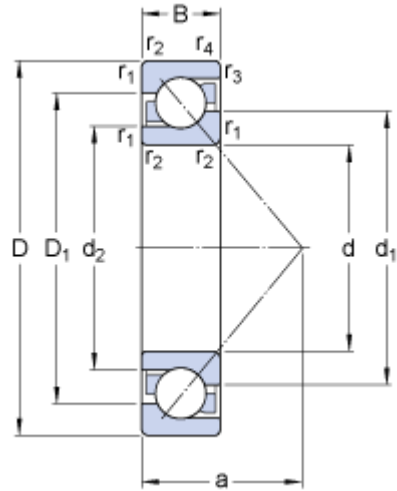


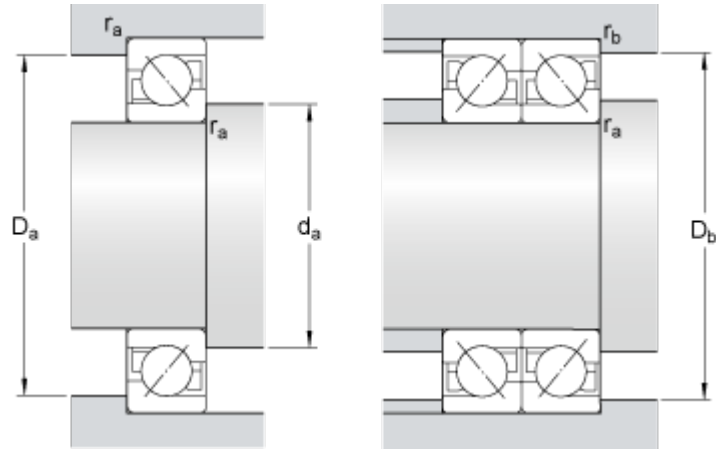
7200 BEP

Dimensions



d	10	mm
D	30	mm
B	9	mm
d ₁	≈ 18.3	mm
d ₂	≈ 14.57	mm
D ₁	≈ 22.85	mm
a	13	mm
r _{1,2}	min. 0.6	mm
r _{3,4}	min. 0.3	mm

Abutment dimensions



d _a	min. 14.2	mm
D _a	max. 25.8	mm
D _b	max. 27.6	mm
r _a	max. 0.6	mm
r _b	max. 0.3	mm

Calculation data

Basic dynamic load rating	C	7	kN
Basic static load rating	C ₀	3.3	kN
Fatigue load limit	P _u	0.14	kN
Reference speed		30000	r/min
Limiting speed		30000	r/min
Calculation factor	k _r	0.095	
Calculation factor	k _a	1.4	
Calculation factor	e	1.14	

Single bearing or bearing pair arranged in tandem

Calculation factor	X	0.35	
Calculation factor	Y ₀	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	0.52
Calculation factor	Y ₁	0.55
Calculation factor	Y ₂	0.93

Mass

Mass bearing	0.03	kg
--------------	------	----