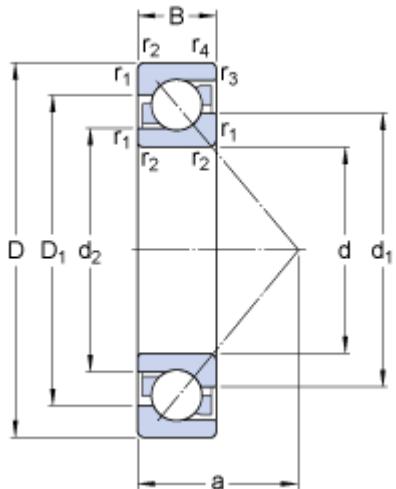


7214 BECBM

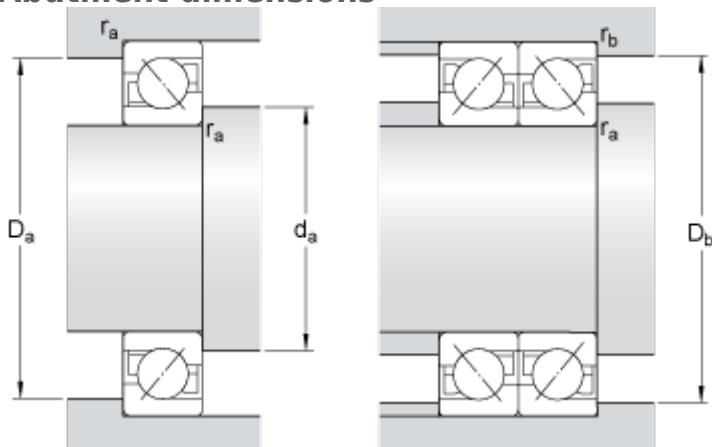
SKF Explorer

Dimensions



d	70	mm
D	125	mm
B	24	mm
d_1	\approx 91.5	mm
d_2	\approx 80.25	mm
D_1	\approx 104.75	mm
a	53	mm
$r_{1,2}$	min.	1.5 mm
$r_{3,4}$	min.	1 mm

Abutment dimensions



d_a	min.	79	mm
D_a	max.	116	mm
D_b	max.	119	mm
r_a	max.	1.5	mm
r_b	max.	1	mm

Calculation data

Basic dynamic load rating	C	72	kN
Basic static load rating	C	60	kN
Fatigue load limit	P_u	2.55	kN
Reference speed		4500	r/min
Limiting speed		8000	r/min
Calculation factor	A	0.0529	
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	1.1	kg