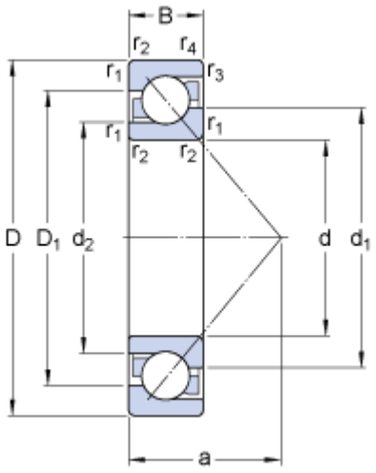
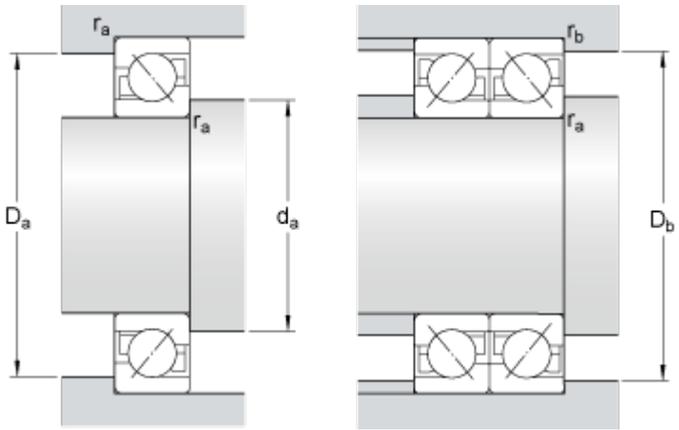
7304 BEP

Dimensions



d		20	mm
D		52	mm
B		15	mm
d_1	≈	33.15	mm
d_2	≈	26.75	mm
D_1	≈	40.5	mm
a		22.8	mm
$r_{1,2}$	min.	1.1	mm
$r_{3,4}$	min.	0.6	mm

Abutment dimensions



d_a	min.	27	mm
D_a	max.	45	mm
D_b	max.	47.8	mm
r_a	max.	1	mm
r_b	max.	0.6	mm

Calculation data

Basic dynamic load rating	C	17.4	kN
Basic static load rating	C_0	9.5	kN
Fatigue load limit	P_u	0.4	kN
Reference speed		12000	r/min

Limiting speed		**16000**	r/min
Calculation factor	A	**1.91**	
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	**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	**0.14**	kg