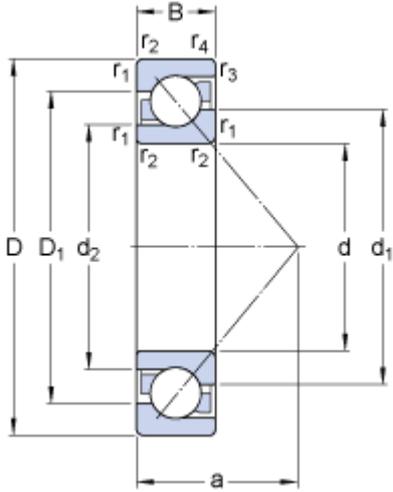


# 7220 BECBM

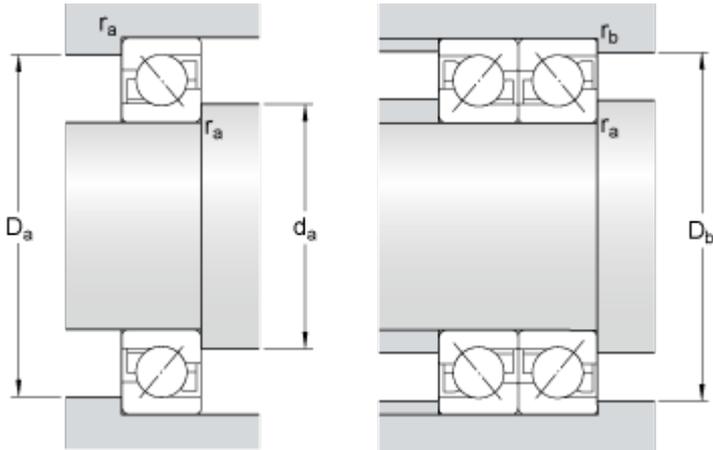
SKF Explorer

## Dimensions



d	3.937	in
D	7.087	in
B	1.339	in
d <sub>1</sub>	≈ 5.156	in
d <sub>2</sub>	≈ 4.536	in
D <sub>1</sub>	≈ 5.941	in
a	2.992	in
r <sub>1,2</sub>	min. 0.0827	in
r <sub>3,4</sub>	min. 0.0433	in

## Abutment dimensions



d <sub>a</sub>	min. 4.409	in
D <sub>a</sub>	max. 6.614	in
D <sub>b</sub>	max. 6.811	in
r <sub>a</sub>	max. 0.0787	in
r <sub>b</sub>	max. 0.0394	in

## Calculation data

Basic dynamic load rating	C	32147.679	lbf
Basic static load rating	C <sub>0</sub>	30124.398	lbf
Fatigue load limit	P <sub>u</sub>	1067.842	lbf
Reference speed		4500	r/min
Limiting speed		4500	r/min
Calculation factor	k <sub>r</sub>	0.095	
Calculation factor	k <sub>a</sub>	1.4	
Calculation factor	e	1.14	
<b>Single bearing or bearing pair arranged in tandem</b>			
Calculation factor	X	0.35	
Calculation factor	Y <sub>0</sub>	0.26	

Calculation factor	$Y_2$	0.57
<b>Bearing pair arranged back-to-back or face-to-face</b>		
Calculation factor	X	0.57
Calculation factor	$Y_0$	0.52
Calculation factor	$Y_1$	0.55
Calculation factor	$Y_2$	0.93

## Mass

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Mass bearing		7.275	lb
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