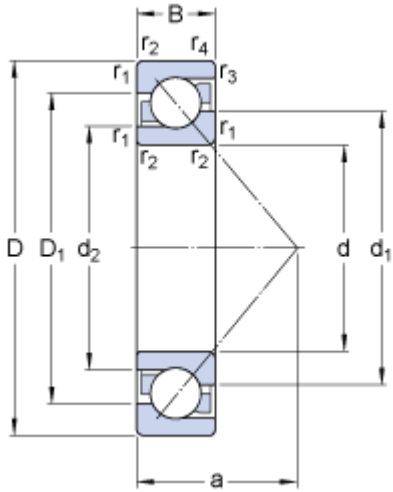


# 7222 BECBM

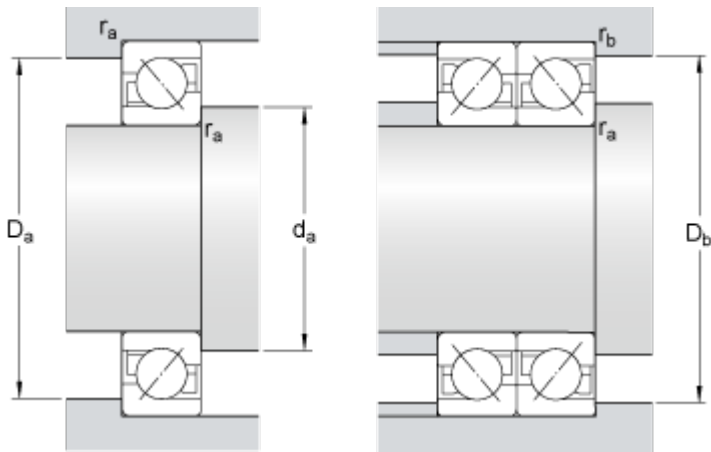
SKF Explorer

## Dimensions



d	4.331	in
D	7.874	in
B	1.496	in
d <sub>1</sub>	≈ 5.703	in
d <sub>2</sub>	≈ 5.005	in
D <sub>1</sub>	≈ 6.589	in
a	3.307	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. 4.803	in
D <sub>a</sub>	max. 7.402	in
D <sub>b</sub>	max. 7.598	in
r <sub>a</sub>	max. 0.0787	in
r <sub>b</sub>	max. 0.0394	in

## Calculation data

Basic dynamic load rating	C	36643.858	lbf
Basic static load rating	C <sub>0</sub>	35070.195	lbf
Fatigue load limit	P <sub>u</sub>	1191.487	lbf
Reference speed		4000	r/min
Limiting speed		4000	r/min
Calculation factor	k <sub>r</sub>	0.095	
Calculation factor	k <sub>a</sub>	1.4	
Calculation factor	e	1.14	

## Single bearing or bearing pair arranged in tandem

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		10.141	lb
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