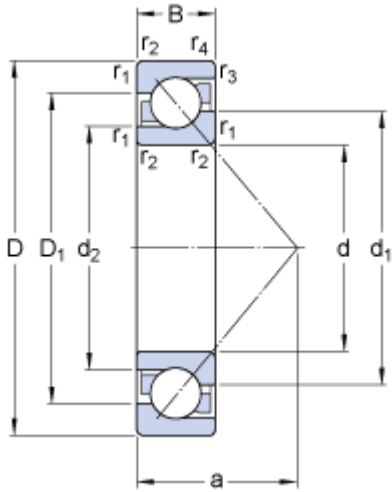


# 7207 BECBM

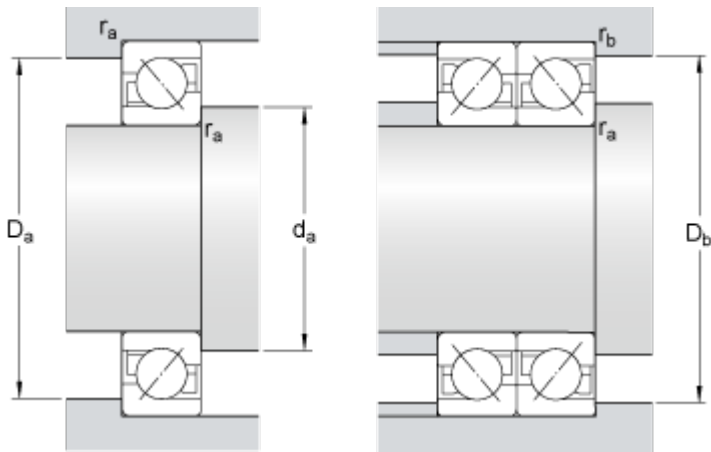
SKF Explorer

## Dimensions



$d$	1.378	in
$D$	2.835	in
$B$	0.669	in
$d_1$	≈ 1.955	in
$d_2$	≈ 1.652	in
$D_1$	≈ 2.293	in
$a$	1.22	in
$r_{1,2}$	min. 0.0433	in
$r_{3,4}$	min. 0.0236	in

## Abutment dimensions



$d_a$	min. 1.654	in
$D_a$	max. 2.559	in
$D_b$	max. 2.669	in
$r_a$	max. 0.0394	in
$r_b$	max. 0.0236	in

## Calculation data

Basic dynamic load rating	$C$	6969.077	lbf
Basic static load rating	$C_0$	4676.026	lbf
Fatigue load limit	$P_u$	197.832	lbf
Reference speed		12000	r/min
Limiting speed		12000	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
<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		0.617	lb
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