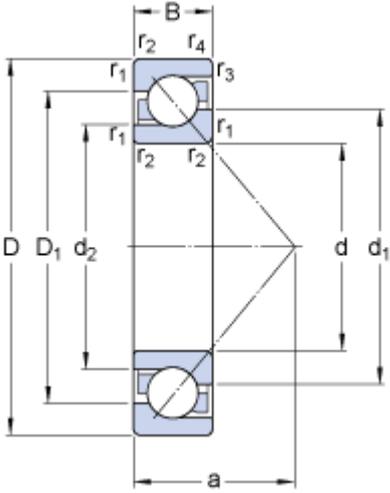


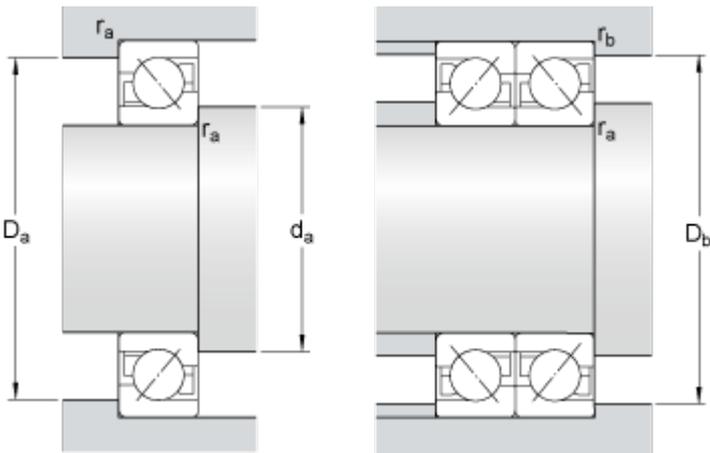
# 7310 BECBY

## Dimensions



$d$	1.969	in
$D$	4.331	in
$B$	1.063	in
$d_1$	≈ 2.906	in
$d_2$	≈ 2.407	in
$D_1$	≈ 3.496	in
$a$	1.85	in
$r_{1,2}$	min. 0.0787	in
$r_{3,4}$	min. 0.0394	in

## Abutment dimensions



$d_a$	min. 2.402	in
$D_a$	max. 3.898	in
$D_b$	max. 4.094	in
$r_a$	max. 0.0787	in
$r_b$	max. 0.0394	in

## Calculation data

Basic dynamic load rating	$C$	16658.343	lbf
Basic static load rating	$C_0$	11465.256	lbf
Fatigue load limit	$P_u$	494.58	lbf
Reference speed		7500	r/min
Limiting speed		7500	r/min
Calculation factor	$k_r$	0.1	
Calculation factor	$k_a$	1.6	
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		2.491	lb
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