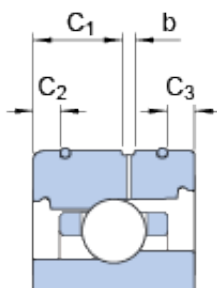
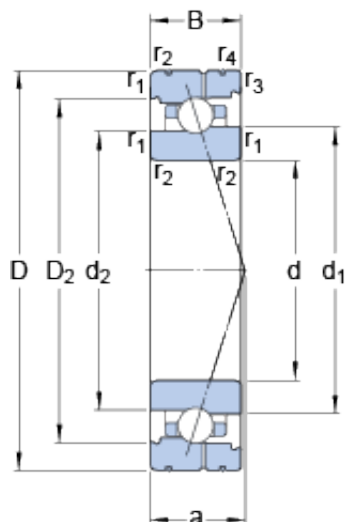




## NTN Bearing Driveshaft do Brasil

110 mm x 170 mm x 28 mm SKF 7022 CB/P4AL  
angular contact ball bearings

Bearing No. 7022 CB/P4AL



7022 CB/P4AL Bearing 2D drawings and 3D CAD models

Size	170x110x28 mm
Bore Diameter	170 mm
Outer Diameter	110 mm
Width	28 mm
d	110 mm
D	170 mm
B	28 mm
d <sub>1</sub>	133.2 mm
d <sub>2</sub>	130.5 mm
D <sub>2</sub>	151.9 mm
b	2.2 mm
C <sub>1</sub>	15.1 mm
C <sub>2</sub>	6.2 mm
C <sub>3</sub>	4.2 mm
r <sub>1,2</sub> - min.	2 mm
r <sub>3,4</sub> - min.	1 mm
a	33 mm
d <sub>a</sub> - min.	119 mm
d <sub>b</sub> - min.	119 mm
D <sub>a</sub> - max.	161 mm
D <sub>b</sub> - max.	165.4 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
d <sub>n</sub>	134.6 mm



## NTN Bearing Driveshaft do Brasil

Basic dynamic load rating - C	37.1 kN
Basic static load rating - C <sub>0</sub>	36 kN
Fatigue load limit - P <sub>u</sub>	1.3 kN
Limiting speed for grease lubrication	10000 r/min
Limiting speed for oil lubrication	16000 mm/min
Ball - D <sub>w</sub>	11.112 mm
Ball - z	31
G <sub>ref</sub>	22.25 cm <sup>3</sup>
Calculation factor - f <sub>0</sub>	9.7
Preload class A - G <sub>A</sub>	125 N
Preload class B - G <sub>B</sub>	250 N
Preload class C - G <sub>C</sub>	750 N
Calculation factor - f	1.07
Calculation factor - f	1
Calculation factor - f <sub>2A</sub>	1
Calculation factor - f <sub>2B</sub>	1.02
Calculation factor - f <sub>2C</sub>	1.05
Calculation factor - f <sub>HC</sub>	1
Preload class A	71 N/micron
Preload class B	93 N/micron
Preload class C	147 N/micron
d <sub>1</sub>	133.2 mm
d <sub>2</sub>	130.5 mm
D <sub>2</sub>	151.9 mm
C <sub>1</sub>	15.1 mm
C <sub>2</sub>	6.2 mm
C <sub>3</sub>	4.2 mm
r <sub>1,2</sub> min.	2 mm



## NTN Bearing Driveshaft do Brasil

$r_{3,4}$ min.	1 mm
$d_a$ min.	119 mm
$d_b$ min.	119 mm
$D_a$ max.	161 mm
$D_b$ max.	165.4 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
$d_n$	134.6 mm
Basic dynamic load rating C	49.4 kN
Basic static load rating $C_0$	60 kN
Fatigue load limit $P_u$	1.29 kN
Attainable speed for grease lubrication	10000 r/min
Attainable speed for oil-air lubrication	16000 r/min
Ball diameter $D_w$	11.112 mm
Number of balls z	31
Reference grease quantity $G_{ref}$	22.25 cm <sup>3</sup>
Preload class A $G_A$	125 N
Static axial stiffness, preload class A	71 N/ $\mu$ m
Preload class B $G_B$	250 N
Static axial stiffness, preload class B	93 N/ $\mu$ m
Preload class C $G_C$	750 N
Static axial stiffness, preload class C	147 N/ $\mu$ m
Calculation factor f	1.07
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2C}$	1.05
Calculation factor $f_{HC}$	1



## NTN Bearing Driveshaft do Brasil

Calculation factor $f_0$	9.7
Mass bearing	2.19 kg