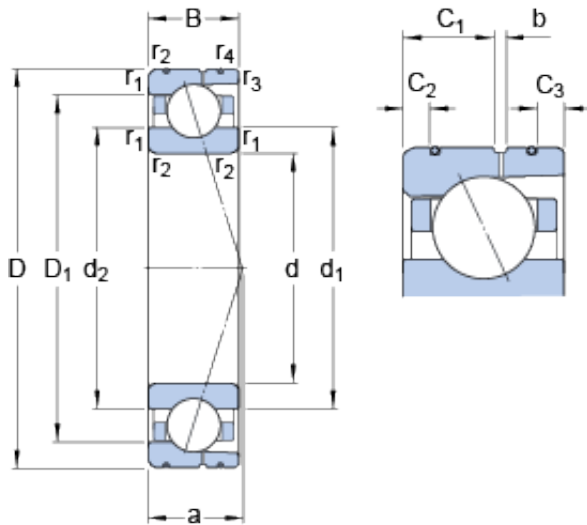




## Accessories Production and Processing...



### 110 mm x 170 mm x 28 mm SKF 7022 CD/HCP4AL angular contact ball bearings

Bearing No. 7022 CD/HCP4AL

7022 CD/HCP4AL 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>	128.5 mm
d <sub>2</sub>	128.5 mm
D <sub>1</sub>	151.5 mm
b	2.6 mm
C <sub>1</sub>	15.1 mm
C <sub>2</sub>	6.2 mm
C <sub>3</sub>	5.4 mm
r <sub>1,2</sub> - min.	2 mm
r <sub>3,4</sub> - min.	1 mm
a	32.9 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 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
d <sub>n</sub>	132.6 mm



## Accessories Production and Processing...

Basic dynamic load rating - C	111 kN
Basic static load rating - $C_0$	108 kN
Fatigue load limit - $P_u$	3.9 kN
Limiting speed for grease lubrication	9500 r/min
Limiting speed for oil lubrication	14000 mm/min
Ball - $D_w$	19.05 mm
Ball - z	20
$G_{ref}$	25.5 cm <sup>3</sup>
Calculation factor - $f_0$	15.5
Preload class A - $G_A$	420 N
Preload class B - $G_B$	840 N
Preload class C - $G_C$	1680 N
Preload class D - $G_D$	3360 N
Calculation factor - f	1.14
Calculation factor - f	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.02
Calculation factor - $f_{2C}$	1.05
Calculation factor - $f_{2D}$	1.09
Calculation factor - $f_{HC}$	1.02
Preload class A	135 N/micron
Preload class B	184 N/micron
Preload class C	258 N/micron
Preload class D	374 N/micron
$d_1$	128.5 mm
$d_2$	128.5 mm
$D_1$	151.5 mm
$C_1$	15.1 mm



## Accessories Production and Processing...

$C_2$	6.2 mm
$C_3$	5.4 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
$d_a$ min.	119 mm
$d_b$ min.	119 mm
$D_a$ max.	161 mm
$D_b$ max.	165 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
$d_n$	132.6 mm
Basic dynamic load rating C	111 kN
Basic static load rating $C_0$	108 kN
Fatigue load limit $P_u$	3.9 kN
Attainable speed for grease lubrication	9500 r/min
Attainable speed for oil-air lubrication	14000 r/min
Ball diameter $D_w$	19.05 mm
Number of balls z	20
Reference grease quantity $G_{ref}$	25.5 cm <sup>3</sup>
Preload class A $G_A$	420 N
Static axial stiffness, preload class A	135 N/ $\mu$ m
Preload class B $G_B$	840 N
Static axial stiffness, preload class B	184 N/ $\mu$ m
Preload class C $G_C$	1680 N
Static axial stiffness, preload class C	258 N/ $\mu$ m
Preload class D $G_D$	3360 N
Static axial stiffness, preload class D	374 N/ $\mu$ m



## Accessories Production and Processing...

Calculation factor $f$	1.14
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2C}$	1.05
Calculation factor $f_{2D}$	1.09
Calculation factor $f_{HC}$	1.02
Calculation factor $f_0$	15.5
Mass bearing	1.63 kg