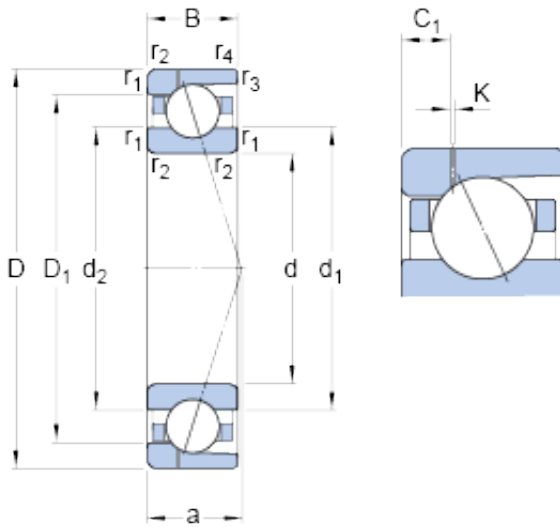




BEARING SUDAMERICANA, S.A.



110 mm x 170 mm x 28 mm SKF 7022 CD/P4AH1 angular contact ball bearings

Bearing No. 7022 CD/P4AH1

7022 CD/P4AH1 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 ₁	128.5 mm
d ₂	128.5 mm
D ₁	151.5 mm
K	0.5 mm
C ₁	7.41 mm
r _{1,2} - min.	2 mm
r _{3,4} - min.	1 mm
a	32.9 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



BEARING SUDAMERICANA, S.A.

Fatigue load limit - P_u	3.9 kN
Limiting speed for grease lubrication	7500 r/min
Limiting speed for oil lubrication	12000 mm/min
Ball - D_w	19.05 mm
Ball - z	20
G_{ref}	25.5 cm ³
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
Preload class A	122 N/micron
Preload class B	166 N/micron
Preload class C	232 N/micron
Preload class D	337 N/micron
d_1	128.5 mm
d_2	128.5 mm
D_1	151.5 mm
C_1	7.41 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
d_a min.	119 mm



BEARING SUDAMERICANA, S.A.

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	7500 r/min
Attainable speed for oil-air lubrication	12000 r/min
Ball diameter D_w	19.05 mm
Number of balls z	20
Reference grease quantity G_{ref}	25.5 cm ³
Preload class A G_A	420 N
Static axial stiffness, preload class A	122 N/ μ m
Preload class B G_B	840 N
Static axial stiffness, preload class B	166 N/ μ m
Preload class C G_C	1680 N
Static axial stiffness, preload class C	232 N/ μ m
Preload class D G_D	3360 N
Static axial stiffness, preload class D	337 N/ μ m
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



BEARING SUDAMERICANA, S.A.

Calculation factor f_{2D}	1.09
Calculation factor f_{HC}	1
Calculation factor f_0	15.5
Mass bearing	1.97 kg