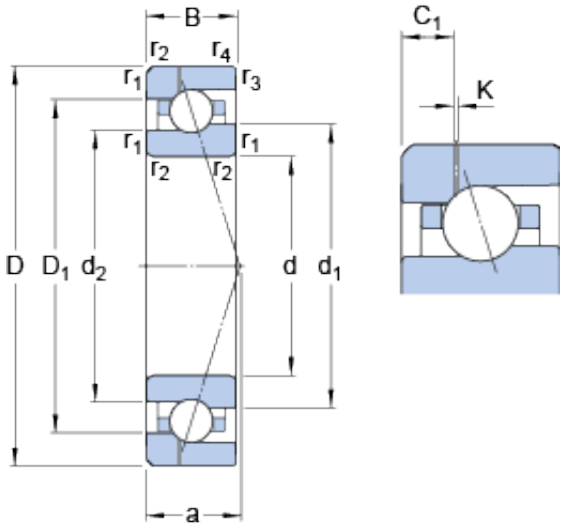

7022 CE/P4AH1 Bearing 2D drawings and 3D CAD models

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

Bearing No. 7022 CE/P4AH1

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	132.38 mm
d_2	129.2 mm
D_1	147.61 mm
K	0.5 mm
C_1	9.84 mm
$r_{1,2}$ - min.	2 mm
$r_{3,4}$ - min.	1 mm
a	32.9 mm
d_a - min.	118.8 mm
d_b - min.	118.8 mm
D_a - max.	161.2 mm
D_b - max.	164.4 mm
r_a - max.	2 mm
r_b - max.	1 mm
d_n	135.4 mm
Basic dynamic load rating - C	47.5 kN
Basic static load rating - C_0	45 kN

Fatigue load limit - P_u	1.6 kN
Limiting speed for grease lubrication	10900 r/min
Limiting speed for oil lubrication	17000 mm/min
Ball - D_w	12.7 mm
Ball - z	30
G_{ref}	23 cm3
Calculation factor - f_0	9.6
Preload class A - G_A	250 N
Preload class B - G_B	760 N
Preload class C - G_C	1520 N
Calculation factor - f	1.1
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.03
Calculation factor - f_{2C}	1.05
Calculation factor - f_{HC}	1
Preload class A	94 N/micron
Preload class B	149 N/micron
Preload class C	204 N/micron
d_1	132.38 mm
d_2	129.2 mm
D_1	147.61 mm
C_1	9.84 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
d_a min.	118.8 mm
d_b min.	118.8 mm
D_a max.	161.2 mm
D_b max.	164.4 mm

r_a max.	2 mm
r_b max.	1 mm
d_n	135.4 mm
Basic dynamic load rating C	47.5 kN
Basic static load rating C_0	45 kN
Fatigue load limit P_u	1.6 kN
Attainable speed for grease lubrication	10900 r/min
Attainable speed for oil-air lubrication	17000 r/min
Ball diameter D_w	12.7 mm
Number of balls z	30
Reference grease quantity G_{ref}	23 cm^3
Preload class A G_A	250 N
Static axial stiffness, preload class A	94 N/µm
Preload class B G_B	760 N
Static axial stiffness, preload class B	149 N/µm
Preload class C G_C	1520 N
Static axial stiffness, preload class C	204 N/µm
Calculation factor f	1.1
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1
Calculation factor f_0	9.6
Mass bearing	2.08 kg