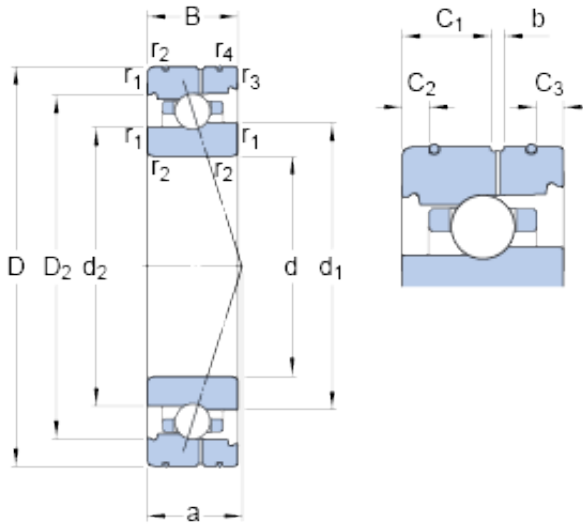




BEARINGS PRODUCTION WHOLESale CO., LTD



85 mm x 130 mm x 22 mm SKF 7017 ACB/P4AL angular contact ball bearings

Bearing No. 7017 ACB/P4AL

7017 ACB/P4AL Bearing 2D drawings and 3D CAD models

Size	130x85x22 mm
Bore Diameter	130 mm
Outer Diameter	85 mm
Width	22 mm
d	85 mm
D	130 mm
B	22 mm
d ₁	101.7 mm
d ₂	99.3 mm
D ₂	116.4 mm
b	2.5 mm
C ₁	11.1 mm
C ₂	4.7 mm
C ₃	3.2 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
a	36.3 mm
d _a - min.	91 mm
d _b - min.	91 mm
D _a - max.	124 mm
D _b - max.	126.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
d _n	103 mm



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Basic dynamic load rating - C	25.1 kN
Basic static load rating - C ₀	22.4 kN
Fatigue load limit - P _u	0.915 kN
Limiting speed for grease lubrication	12000 r/min
Limiting speed for oil lubrication	18000 mm/min
Ball - D _w	9.525 mm
Ball - z	28
G _{ref}	11.02 cm ³
Calculation factor - e	0.68
Calculation factor - Y ₂	0.87
Calculation factor - Y ₀	0.38
Calculation factor - X ₂	0.41
Calculation factor - Y ₁	0.92
Calculation factor - Y ₂	1.41
Calculation factor - Y ₀	0.76
Calculation factor - X ₂	0.67
Preload class A - G _A	150 N
Preload class B - G _B	300 N
Preload class C - G _C	900 N
Calculation factor - f	1.08
Calculation factor - f ₁	0.99
Calculation factor - f _{2A}	1
Calculation factor - f _{2B}	1.01
Calculation factor - f _{2C}	1.04
Calculation factor - f _{HC}	1
Preload class A	148 N/micron
Preload class B	188 N/micron



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Preload class C	284 N/micron
d_1	101.7 mm
d_2	99.3 mm
D_2	116.4 mm
C_1	11.1 mm
C_2	4.7 mm
C_3	3.2 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	91 mm
d_b min.	91 mm
D_a max.	124 mm
D_b max.	126.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
d_n	103 mm
Basic dynamic load rating C	30.2 kN
Basic static load rating C_0	33.5 kN
Fatigue load limit P_u	0.915 kN
Attainable speed for grease lubrication	12000 r/min
Attainable speed for oil-air lubrication	18000 r/min
Ball diameter D_w	9.525 mm
Number of balls z	28
Reference grease quantity G_{ref}	11.02 cm ³
Preload class A G_A	150 N
Static axial stiffness, preload class A	148 N/ μ m
Preload class B G_B	300 N
Static axial stiffness, preload class B	188 N/ μ m
Preload class C G_C	900 N



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Static axial stiffness, preload class C	284 N/ μ m
Calculation factor f	1.08
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.01
Calculation factor f_{2C}	1.04
Calculation factor f_{HC}	1
Calculation factor e	0.68
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (single, tandem) Y_0	0.38
Calculation factor (single, tandem) X_2	0.41
Calculation factor (back-to-back, face-to-face) Y_1	0.92
Calculation factor (back-to-back, face-to-face) Y_2	1.41
Calculation factor (back-to-back, face-to-face) Y_0	0.76
Calculation factor (back-to-back, face-to-face) X_2	0.67
Mass bearing	0.96 kg