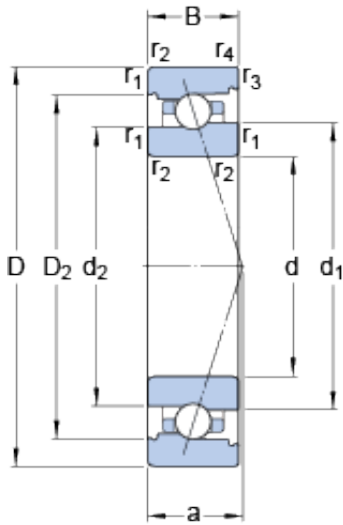




UGE BEARING INDUSTRIAL CO., LTD.



110 mm x 150 mm x 20 mm SKF 71922 ACB/HCP4A Longer Life Precision Bearings

Bearing No. 71922 ACB/HCP4A

71922 ACB/HCP4A Bearing 2D drawings and 3D CAD models

Size	150x110x20 mm
Bore Diameter	150 mm
Outer Diameter	110 mm
Width	20 mm
d	110 mm
D	150 mm
B	20 mm
d ₁	124.42 mm
d ₂	122.5 mm
D ₂	139 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
a	46.9 mm
d _a - min.	116 mm
d _b - min.	116 mm
D _a - max.	144 mm
D _b - max.	146.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
d _n	125.7 mm
Basic dynamic load rating - C	24.7 kN
Basic static load rating - C ₀	25.5 kN
Fatigue load limit - P _u	0.95 kN
Limiting speed for grease	12000 r/min



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Lubrication	
Limiting speed for oil lubrication	19000 mm/min
Ball - D_w	8.731 mm
Ball - z	37
G_{ref}	11.43 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	145 N
Preload class B - G_B	290 N
Preload class C - G_C	870 N
Calculation factor - f	1.14
Calculation factor - f_1	0.99
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.08
Calculation factor - f_{HC}	1.01
Preload class A	192 N/micron
Preload class B	248 N/micron
Preload class C	379 N/micron
d_1	124.42 mm
d_2	122.5 mm
D_2	139 mm
$r_{1,2}$ min.	1.1 mm



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$r_{3,4}$ min.	0.6 mm
d_a min.	116 mm
d_b min.	116 mm
D_a max.	144 mm
D_b max.	146.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
d_n	125.7 mm
Basic dynamic load rating C	32.5 kN
Basic static load rating C_0	40.5 kN
Fatigue load limit P_u	0.95 kN
Attainable speed for grease lubrication	12000 r/min
Attainable speed for oil-air lubrication	19000 r/min
Ball diameter D_w	8.731 mm
Number of balls z	37
Reference grease quantity G_{ref}	11.43 cm ³
Preload class A G_A	145 N
Static axial stiffness, preload class A	192 N/ μ m
Preload class B G_B	290 N
Static axial stiffness, preload class B	248 N/ μ m
Preload class C G_C	870 N
Static axial stiffness, preload class C	379 N/ μ m
Calculation factor f	1.14
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.08
Calculation factor f_{HC}	1.01



UGE BEARING INDUSTRIAL CO., LTD.

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	0.84 kg