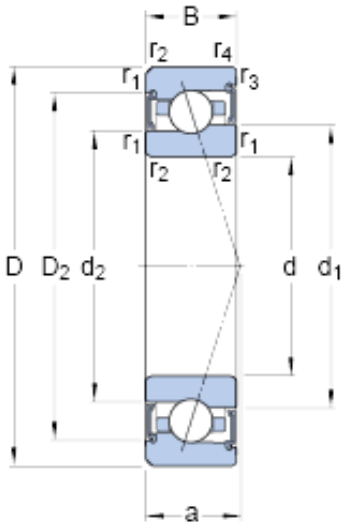




Zaozhuang Yiding Bearing Co., Ltd.



110 mm x 170 mm x 28 mm SKF S7022 ACE/HCP4A angular contact ball bearings

Bearing No. S7022 ACE/HCP4A

S7022 ACE/HCP4A 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	132.38 mm
d ₂	129.2 mm
D ₂	152.2 mm
r _{1,2} - min.	2 mm
r _{3,4} - min.	1 mm
a	46.9 mm
d _a - min.	118.8 mm
d _a - max.	131.6 mm
d _b - min.	118.8 mm
d _b - max.	128.4 mm
D _a - max.	161.2 mm
D _b - max.	164.4 mm
r _a - max.	2 mm
r _b - max.	1 mm
Basic dynamic load rating - C	44.9 kN
Basic static load rating - C ₀	42.5 kN
Fatigue load limit - P _u	1.5 kN



Zaozhuang Yiding Bearing Co., Ltd.

Limiting speed for grease lubrication	11500 r/min
Ball - D_w	12.7 mm
Ball - z	30
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	400 N
Preload class B - G_B	1210 N
Preload class C - G_C	2420 N
Calculation factor - f	1.1
Calculation factor - f_1	0.99
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.03
Calculation factor - f_{2C}	1.06
Calculation factor - f_{HC}	1.01
Preload class A	263 N/micron
Preload class B	395 N/micron
Preload class C	518 N/micron
d_1	132.38 mm
d_2	129.2 mm
D_2	152.2 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
d_a min.	118.8 mm



Zaozhuang Yiding Bearing Co., Ltd.

d_a max.	131.6 mm
d_b min.	118.8 mm
d_b max.	128.4 mm
D_a max.	161.2 mm
D_b max.	164.4 mm
r_a max.	2 mm
r_b max.	1 mm
Basic dynamic load rating C	44.9 kN
Basic static load rating C_0	42.5 kN
Fatigue load limit P_u	1.53 kN
Attainable speed for grease lubrication	11500 r/min
Ball diameter D_w	12.7 mm
Number of balls z	30
Preload class A G_A	400 N
Static axial stiffness, preload class A	263 N/ μ m
Preload class B G_B	1210 N
Static axial stiffness, preload class B	395 N/ μ m
Preload class C G_C	2420 N
Static axial stiffness, preload class C	518 N/ μ m
Calculation factor f	1.1
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.06
Calculation factor f_{HC}	1.01
Calculation factor e	0.68
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (single, tandem) Y_0	0.38



Zaozhuang Yiding Bearing Co., Ltd.

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	2 kg