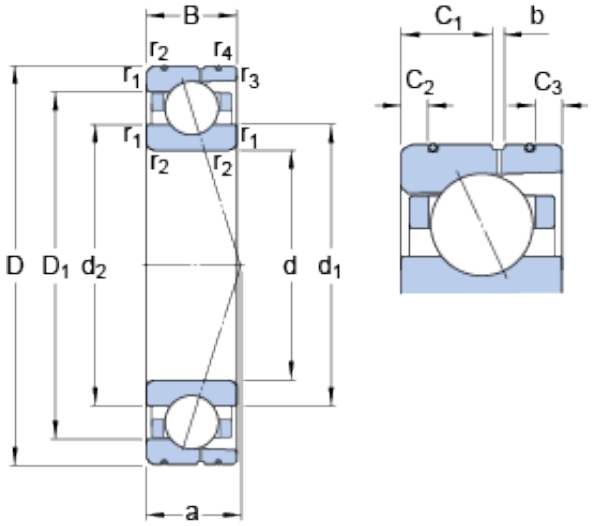
BEARING CORP. LTD.



240 mm x 320 mm x 38 mm SKF 71948 ACD/P4AL angular contact ball bearings

Bearing No. 71948 ACD/P4AL

Size	320x240x38 mm
Bore Diameter	320 mm
Outer Diameter	240 mm
Width	38 mm
d	240 mm
D	320 mm
B	38 mm
d_1	264.7 mm
d_2	264.7 mm
D_1	295.3 mm
b	3.5 mm
C_1	20.9 mm
C_2	7.1 mm
C_3	5.45 mm
$r_{1,2}$ - min.	2.1 mm
$r_{3,4}$ - min.	1 mm
a	84.5 mm
d_a - min.	251 mm
d_b - min.	251 mm
D_a - max.	309 mm
D_b - max.	315 mm
r_a - max.	2 mm
r_b - max.	1 mm
d_n	271.4 mm

71948 ACD/P4AL Bearing 2D drawings and 3D CAD models

Basic dynamic load rating - C	216 kN
Basic static load rating - C_0	305 kN
Fatigue load limit - P_u	7.8 kN
Limiting speed for grease lubrication	3200 r/min
Limiting speed for oil lubrication	4800 mm/min
Ball - D_w	25.4 mm
Ball - z	31
G_{ref}	93 cm3
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	1350 N
Preload class B - G_B	2700 N
Preload class C - G_C	5400 N
Preload class D - G_D	10800 N
Calculation factor - f	1.32
Calculation factor - f_1	0.98
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.04
Calculation factor - f_{2C}	1.08
Calculation factor - f_{2D}	1.14
Calculation factor - f_{HC}	1

Preload class A	584 N/micron
Preload class B	767 N/micron
Preload class C	1029 N/micron
Preload class D	1412 N/micron
d_1	264.7 mm
d_2	264.7 mm
D_1	295.3 mm
C_1	20.9 mm
C_2	7.1 mm
C_3	5.45 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1 mm
d_a min.	251 mm
d_b min.	251 mm
D_a max.	309 mm
D_b max.	315 mm
r_a max.	2 mm
r_b max.	1 mm
d_n	271.4 mm
Basic dynamic load rating C	216 kN
Basic static load rating C_0	305 kN
Fatigue load limit P_u	7.8 kN
Attainable speed for grease lubrication	3200 r/min
Attainable speed for oil-air lubrication	4800 r/min
Ball diameter D_w	25.4 mm
Number of balls z	31
Reference grease quantity G_{ref}	93 cm^3
Preload class A G_A	1350 N
Static axial stiffness, preload class A	584 N/ µm

Preload class B G_B	2700 N
Static axial stiffness, preload class B	767 N/µm
Preload class C G_C	5400 N
Static axial stiffness, preload class C	1029 N/µm
Preload class D G_D	10800 N
Static axial stiffness, preload class D	1412 N/µm
Calculation factor f	1.32
Calculation factor f_1	0.98
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.08
Calculation factor f_{2D}	1.14
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	8.5 kg