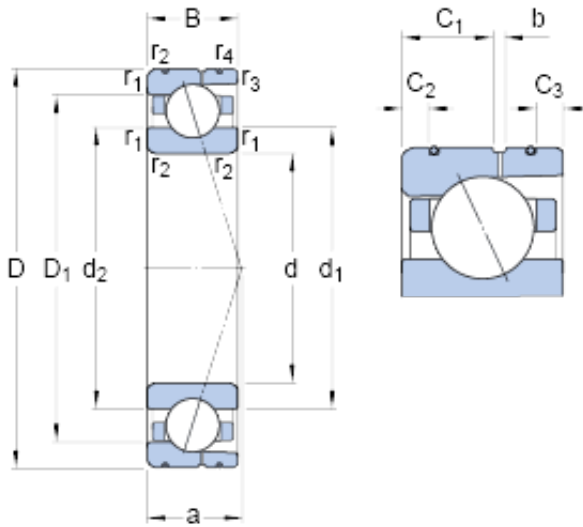




Timken MANUFACTURING (THAILAND)CO.,LTD.



260 mm x 360 mm x 46 mm SKF 71952
ACD/P4AL angular contact ball bearings

Bearing No. 71952 ACD/P4AL

71952 ACD/P4AL Bearing 2D drawings and 3D CAD models

Size	360x260x46 mm
Bore Diameter	360 mm
Outer Diameter	260 mm
Width	46 mm
d	260 mm
D	360 mm
B	46 mm
d ₁	291.8 mm
d ₂	291.8 mm
D ₁	328.2 mm
b	4 mm
C ₁	24.9 mm
C ₂	7.1 mm
C ₃	6.7 mm
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	1.1 mm
a	95.5 mm
d _a - min.	271 mm
d _b - min.	271 mm
D _a - max.	349 mm
D _b - max.	354 mm
r _a - max.	2 mm
r _b - max.	1 mm
d _n	299.7 mm



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Basic dynamic load rating - C	265 kN
Basic static load rating - C ₀	400 kN
Fatigue load limit - P _u	9.6 kN
Limiting speed for grease lubrication	2800 r/min
Limiting speed for oil lubrication	4300 mm/min
Ball - D _w	30.162 mm
Ball - z	29
G _{ref}	150 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	1650 N
Preload class B - G _B	3300 N
Preload class C - G _C	6600 N
Preload class D - G _D	13200 N
Calculation factor - f	1.24
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



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Preload class A	616 N/micron
Preload class B	807 N/micron
Preload class C	1071 N/micron
Preload class D	1455 N/micron
d_1	291.8 mm
d_2	291.8 mm
D_1	328.2 mm
C_1	24.9 mm
C_2	7.1 mm
C_3	6.7 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
d_a min.	271 mm
d_b min.	271 mm
D_a max.	349 mm
D_b max.	354 mm
r_a max.	2 mm
r_b max.	1 mm
d_n	299.7 mm
Basic dynamic load rating C	265 kN
Basic static load rating C_0	400 kN
Fatigue load limit P_u	9.65 kN
Attainable speed for grease lubrication	2800 r/min
Attainable speed for oil-air lubrication	4300 r/min
Ball diameter D_w	30.162 mm
Number of balls z	29
Reference grease quantity G_{ref}	150 cm ³
Preload class A G_A	1650 N
Static axial stiffness, preload class A	616 N/ μ m



Timken MANUFACTURING (THAILAND)CO.,LTD.

Preload class B G_B	3300 N
Static axial stiffness, preload class B	807 N/ μ m
Preload class C G_C	6600 N
Static axial stiffness, preload class C	1071 N/ μ m
Preload class D G_D	13200 N
Static axial stiffness, preload class D	1455 N/ μ m
Calculation factor f	1.24
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	12.2 kg