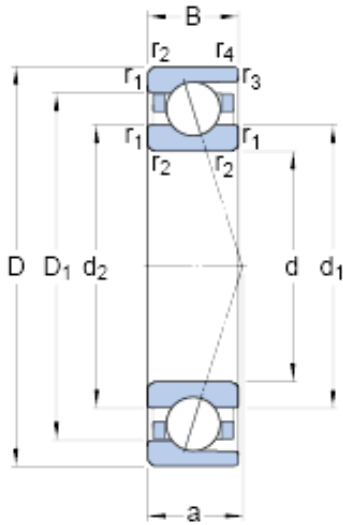




AMERICAN BEARING MFG.CORP.



71952 CD/HCP4A Bearing 2D drawings and 3D CAD models

260 mm x 360 mm x 46 mm SKF 71952
CD/HCP4A angular contact ball bearings

Bearing No. 71952 CD/HCP4A

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
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	1.1 mm
a	64.7 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	281 kN
Basic static load rating - C ₀	425 kN
Fatigue load limit - P _u	10.2 kN
Limiting speed for grease	4300 r/min



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Lubrication	
Limiting speed for oil lubrication	6000 mm/min
Ball - D_w	30.162 mm
Ball - z	29
G_{ref}	150 cm ³
Calculation factor - f_0	16.5
Preload class A - G_A	1050 N
Preload class B - G_B	2100 N
Preload class C - G_C	4200 N
Preload class D - G_D	8400 N
Calculation factor - f	1.24
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.07
Calculation factor - f_{2C}	1.12
Calculation factor - f_{2D}	1.18
Calculation factor - f_{HC}	1.04
Preload class A	277 N/micron
Preload class B	376 N/micron
Preload class C	527 N/micron
Preload class D	764 N/micron
d_1	291.8 mm
d_2	291.8 mm
D_1	328.2 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



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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	281 kN
Basic static load rating C_0	425 kN
Fatigue load limit P_u	10.2 kN
Attainable speed for grease lubrication	4300 r/min
Attainable speed for oil-air lubrication	6000 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	1050 N
Static axial stiffness, preload class A	277 N/ μ m
Preload class B G_B	2100 N
Static axial stiffness, preload class B	376 N/ μ m
Preload class C G_C	4200 N
Static axial stiffness, preload class C	527 N/ μ m
Preload class D G_D	8400 N
Static axial stiffness, preload class D	764 N/ μ m
Calculation factor f	1.24
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.07
Calculation factor f_{2C}	1.12
Calculation factor f_{2D}	1.18
Calculation factor f_{HC}	1.04



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Calculation factor f_0	16.5
Mass bearing	10.4 kg