



# AMERICAN BEARING MFG.CORP.



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

Bearing No. 71952 CD/HCP4A

71952 CD/HCP4A 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 <sub>1</sub>	291.8 mm
d <sub>2</sub>	291.8 mm
D <sub>1</sub>	328.2 mm
r <sub>1,2</sub> - min.	2.1 mm
r <sub>3,4</sub> - min.	1.1 mm
a	64.7 mm
d <sub>a</sub> - min.	271 mm
d <sub>b</sub> - min.	271 mm
D <sub>a</sub> - max.	349 mm
D <sub>b</sub> - max.	354 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
d <sub>n</sub>	299.7 mm
Basic dynamic load rating - C	281 kN
Basic static load rating - C <sub>0</sub>	425 kN
Fatigue load limit - P <sub>u</sub>	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 <sup>3</sup>
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 <sup>3</sup>
Preload class A $G_A$	1050 N
Static axial stiffness, preload class A	277 N/ $\mu$ m
Preload class B $G_B$	2100 N
Static axial stiffness, preload class B	376 N/ $\mu$ m
Preload class C $G_C$	4200 N
Static axial stiffness, preload class C	527 N/ $\mu$ m
Preload class D $G_D$	8400 N
Static axial stiffness, preload class D	764 N/ $\mu$ 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