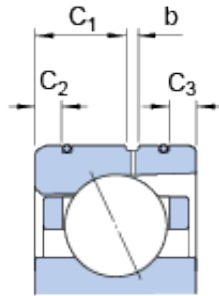
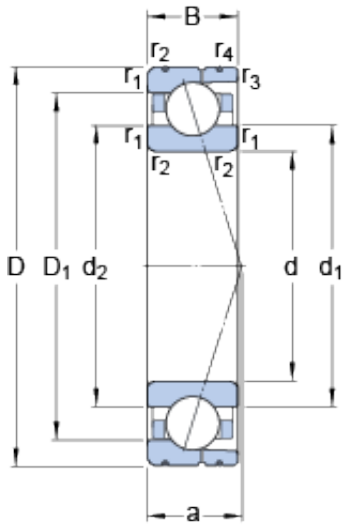




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160 mm x 220 mm x 28 mm SKF 71932
CD/HCP4AL angular contact ball bearings

Bearing No. 71932 CD/HCP4AL

71932 CD/HCP4AL Bearing 2D drawings and 3D CAD models

Size	220x160x28 mm
Bore Diameter	220 mm
Outer Diameter	160 mm
Width	28 mm
d	160 mm
D	220 mm
B	28 mm
d ₁	178.5 mm
d ₂	178.5 mm
D ₁	201.5 mm
b	2.6 mm
C ₁	15.6 mm
C ₂	6.6 mm
C ₃	5.6 mm
r _{1,2} - min.	2 mm
r _{3,4} - min.	1 mm
a	39.6 mm
d _a - min.	169 mm
d _b - min.	169 mm
D _a - max.	211 mm
D _b - max.	215 mm
r _a - max.	2 mm
r _b - max.	1 mm
d _n	183.5 mm



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Basic dynamic load rating - C	130 kN
Basic static load rating - C ₀	160 kN
Fatigue load limit - P _u	5 kN
Limiting speed for grease lubrication	7500 r/min
Limiting speed for oil lubrication	11000 mm/min
Ball - D _w	19.05 mm
Ball - z	28
G _{ref}	33 cm ³
Calculation factor - f ₀	16.4
Preload class A - G _A	490 N
Preload class B - G _B	980 N
Preload class C - G _C	1960 N
Preload class D - G _D	3920 N
Calculation factor - f	1.27
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	184 N/micron
Preload class B	252 N/micron
Preload class C	357 N/micron
Preload class D	523 N/micron
d ₁	178.5 mm
d ₂	178.5 mm
D ₁	201.5 mm
C ₁	15.6 mm



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C_2	6.6 mm
C_3	5.6 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
d_a min.	169 mm
d_b min.	169 mm
D_a max.	211 mm
D_b max.	215 mm
r_a max.	2 mm
r_b max.	1 mm
d_n	183.5 mm
Basic dynamic load rating C	130 kN
Basic static load rating C_0	160 kN
Fatigue load limit P_u	5 kN
Attainable speed for grease lubrication	7500 r/min
Attainable speed for oil-air lubrication	11000 r/min
Ball diameter D_w	19.05 mm
Number of balls z	28
Reference grease quantity G_{ref}	33 cm ³
Preload class A G_A	490 N
Static axial stiffness, preload class A	184 N/ μ m
Preload class B G_B	980 N
Static axial stiffness, preload class B	252 N/ μ m
Preload class C G_C	1960 N
Static axial stiffness, preload class C	357 N/ μ m
Preload class D G_D	3920 N
Static axial stiffness, preload class D	523 N/ μ m



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Calculation factor f	1.27
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
Calculation factor f_0	16.4
Mass bearing	2.23 kg