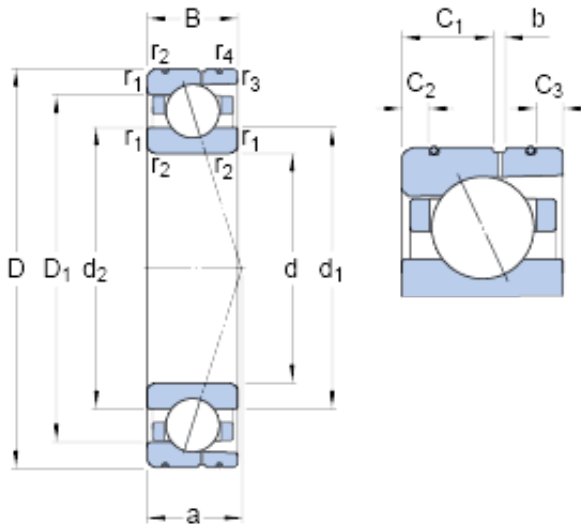




BEARING DRIVESHAFT, INC.



170 mm x 260 mm x 42 mm SKF 7034
CD/P4AL angular contact ball bearings

Bearing No. 7034 CD/P4AL

7034 CD/P4AL Bearing 2D drawings and 3D CAD models

Size	260x170x42 mm
Bore Diameter	260 mm
Outer Diameter	170 mm
Width	42 mm
d	170 mm
D	260 mm
B	42 mm
d ₁	198.7 mm
d ₂	198.7 mm
D ₁	231.3 mm
b	2.8 mm
C ₁	23.8 mm
C ₂	7.1 mm
C ₃	7.1 mm
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	1.1 mm
a	49.9 mm
d _a - min.	181 mm
d _b - min.	181 mm
D _a - max.	249 mm
D _b - max.	254 mm
r _a - max.	2 mm
r _b - max.	1 mm
d _n	205.8 mm



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Basic dynamic load rating - C	212 kN
Basic static load rating - C ₀	245 kN
Fatigue load limit - P _u	7.1 kN
Limiting speed for grease lubrication	5300 r/min
Limiting speed for oil lubrication	8000 mm/min
Ball - D _w	26.988 mm
Ball - z	22
G _{ref}	84 cm ³
Calculation factor - f ₀	15.9
Preload class A - G _A	800 N
Preload class B - G _B	1600 N
Preload class C - G _C	3200 N
Preload class D - G _D	6400 N
Calculation factor - f	1.14
Calculation factor - f	1
Calculation factor - f _{2A}	1
Calculation factor - f _{2B}	1.02
Calculation factor - f _{2C}	1.05
Calculation factor - f _{2D}	1.09
Calculation factor - f _{HC}	1
Preload class A	179 N/micron
Preload class B	243 N/micron
Preload class C	339 N/micron
Preload class D	488 N/micron
d ₁	198.7 mm
d ₂	198.7 mm
D ₁	231.3 mm
C ₁	23.8 mm



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C_2	7.1 mm
C_3	7.1 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
d_a min.	181 mm
d_b min.	181 mm
D_a max.	249 mm
D_b max.	254 mm
r_a max.	2 mm
r_b max.	1 mm
d_n	205.8 mm
Basic dynamic load rating C	212 kN
Basic static load rating C_0	245 kN
Fatigue load limit P_u	7.1 kN
Attainable speed for grease lubrication	5300 r/min
Attainable speed for oil-air lubrication	8000 r/min
Ball diameter D_w	26.988 mm
Number of balls z	22
Reference grease quantity G_{ref}	84 cm ³
Preload class A G_A	800 N
Static axial stiffness, preload class A	179 N/ μ m
Preload class B G_B	1600 N
Static axial stiffness, preload class B	243 N/ μ m
Preload class C G_C	3200 N
Static axial stiffness, preload class C	339 N/ μ m
Preload class D G_D	6400 N
Static axial stiffness, preload class D	488 N/ μ m



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Calculation factor f	1.14
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05
Calculation factor f_{2D}	1.09
Calculation factor f_{HC}	1
Calculation factor f_0	15.9
Mass bearing	6.99 kg