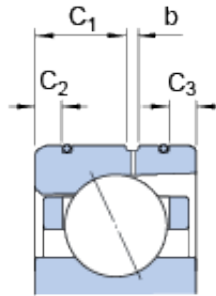
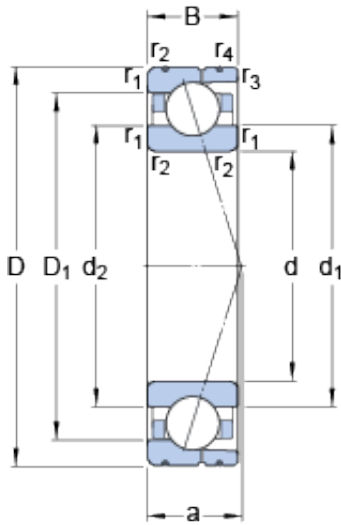




SKF DRIVESHAFT CORP



150 mm x 210 mm x 28 mm skf 71930
CD/P4AL Super-precision Angular contact ball
bearings

Bearing No. 71930 CD/P4AL

71930 CD/P4AL Bearing 2D drawings and 3D CAD
models

Size	210x150x28 mm
Bore Diameter	210 mm
Outer Diameter	150 mm
Width	28 mm
d	150 mm
D	210 mm
B	28 mm
d ₁	168.5 mm
d ₂	168.5 mm
D ₁	191.5 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	38.2 mm
d _a - min.	159 mm
d _b - min.	159 mm
D _a - max.	201 mm
D _b - max.	205 mm
r _a - max.	2 mm
r _b - max.	1 mm
d _n	173.5 mm



SKF DRIVESHAFT CORP

Basic dynamic load rating - C	125 kN
Basic static load rating - C ₀	146 kN
Fatigue load limit - P _u	4.8 kN
Limiting speed for grease lubrication	6300 r/min
Limiting speed for oil lubrication	9500 mm/min
Ball - D _w	19.05 mm
Ball - z	26
G _{ref}	33 cm ³
Calculation factor - f ₀	16.2
Preload class A - G _A	470 N
Preload class B - G _B	940 N
Preload class C - G _C	1880 N
Preload class D - G _D	3760 N
Calculation factor - f	1.24
Calculation factor - f	1
Calculation factor - f _{2A}	1
Calculation factor - f _{2B}	1.04
Calculation factor - f _{2C}	1.09
Calculation factor - f _{2D}	1.15
Calculation factor - f _{HC}	1
Preload class A	154 N/micron
Preload class B	211 N/micron
Preload class C	297 N/micron
Preload class D	435 N/micron
d ₁	168.5 mm
d ₂	168.5 mm
D ₁	191.5 mm
C ₁	15.6 mm



SKF DRIVESHAFT CORP

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.	159 mm
d_b min.	159 mm
D_a max.	201 mm
D_b max.	205 mm
r_a max.	2 mm
r_b max.	1 mm
d_n	173.5 mm
Basic dynamic load rating C	114 kN
Basic static load rating C_0	132 kN
Fatigue load limit P_u	4.15 kN
Attainable speed for grease lubrication	6300 r/min
Attainable speed for oil-air lubrication	9500 r/min
Ball diameter D_w	19.05 mm
Number of balls z	23
Reference grease quantity G_{ref}	35 cm ³
Preload class A G_A	470 N
Static axial stiffness, preload class A	142 N/ μ m
Preload class B G_B	940 N
Static axial stiffness, preload class B	195 N/ μ m
Preload class C G_C	1880 N
Static axial stiffness, preload class C	276 N/ μ m
Preload class D G_D	3760 N
Static axial stiffness, preload class D	405 N/ μ m



SKF DRIVESHAFT CORP

Calculation factor f	1.24
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.09
Calculation factor f_{2D}	1.15
Calculation factor f_{HC}	1
Calculation factor f_0	16.2
Mass bearing	2.5 kg