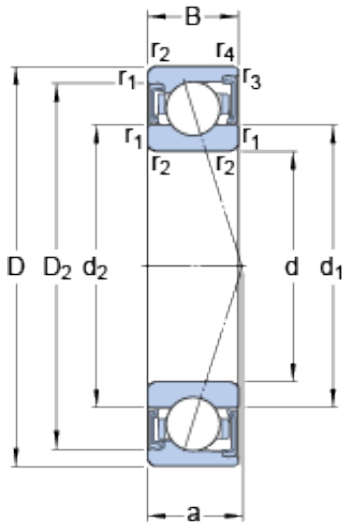




SKF DRIVESHAFT CORP



130 mm x 180 mm x 24 mm skf S71926
CD/HCP4A Super-precision Angular contact ball
bearings

Bearing No. S71926 CD/HCP4A

S71926 CD/HCP4A Bearing 2D drawings and 3D CAD
models

Size	180x130x24 mm
Bore Diameter	180 mm
Outer Diameter	130 mm
Width	24 mm
d	130 mm
D	180 mm
B	24 mm
d ₁	145.4 mm
d ₂	145.4 mm
D ₂	168.25 mm
r _{1,2} - min.	1.5 mm
r _{3,4} - min.	0.6 mm
a	32.8 mm
d _a - min.	137 mm
d _a - max.	144.8 mm
d _b - min.	137 mm
d _b - max.	144.8 mm
D _a - max.	173 mm
D _b - max.	176 mm
r _a - max.	1.5 mm
r _b - max.	0.6 mm
Basic dynamic load rating - C	92.3 kN
Basic static load rating - C ₀	108 kN



SKF DRIVESHAFT CORP

Fatigue load limit - P_u	3.6 kN
Limiting speed for grease lubrication	8500 r/min
Ball - D_w	15.875 mm
Ball - z	27
Calculation factor - f_0	16.4
Preload class A - G_A	350 N
Preload class B - G_B	700 N
Preload class C - G_C	1400 N
Preload class D - G_D	2800 N
Calculation factor - f	1.25
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	152 N/micron
Preload class B	208 N/micron
Preload class C	295 N/micron
Preload class D	434 N/micron
d_1	145.4 mm
d_2	145.4 mm
D_2	168.25 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	137 mm
d_a max.	144.8 mm
d_b min.	137 mm
d_b max.	144.8 mm



SKF DRIVESHAFT CORP

D_a max.	173 mm
D_b max.	176 mm
r_a max.	1.5 mm
r_b max.	0.6 mm
Basic dynamic load rating C	92.3 kN
Basic static load rating C_0	108 kN
Fatigue load limit P_u	3.65 kN
Attainable speed for grease lubrication	8500 r/min
Ball diameter D_w	15.875 mm
Number of balls z	27
Preload class A G_A	350 N
Static axial stiffness, preload class A	152 N/ μ m
Preload class B G_B	700 N
Static axial stiffness, preload class B	208 N/ μ m
Preload class C G_C	1400 N
Static axial stiffness, preload class C	295 N/ μ m
Preload class D G_D	2800 N
Static axial stiffness, preload class D	434 N/ μ m
Calculation factor f	1.25
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	1.31 kg