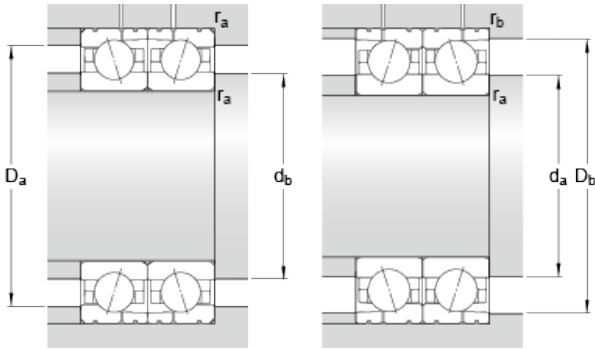




SKF DRIVESHAFT CORP



110 mm x 150 mm x 20 mm skf 71922
CD/HCP4AL Super-precision Angular contact
ball bearings

Bearing No. 71922 CD/HCP4AL

71922 CD/HCP4AL Bearing 2D drawings and 3D CAD
models

d	110 mm
D	150 mm
B	20 mm
d ₁	122.3 mm
d ₂	122.3 mm
D ₁	137.7 mm
b	2.3 mm
C ₁	10.9 mm
C ₂	4 mm
C ₃	3 mm
r _{1,2} min.	1.1 mm
r _{3,4} min.	0.6 mm
a	27.5 mm
d _a min.	116 mm
d _b min.	116 mm
D _a max.	144 mm
D _b max.	146 mm
r _a max.	1 mm
r _b max.	0.6 mm
d _n	125.6 mm
Basic dynamic load rating C	62.4 kN
Basic static load rating C ₀	72 kN
Fatigue load limit P _u	2.7 kN
Attainable speed for grease lubrication	10000 r/min



SKF DRIVESHAFT CORP

Attainable speed for oil-air lubrication	16000 r/min
Ball diameter D_w	12.7 mm
Number of balls z	28
Reference grease quantity G_{ref}	11.4 cm ³
Preload class A G_A	230 N
Static axial stiffness, preload class A	126 N/ μ m
Preload class B G_B	460 N
Static axial stiffness, preload class B	173 N/ μ m
Preload class C G_C	920 N
Static axial stiffness, preload class C	245 N/ μ m
Preload class D G_D	1840 N
Static axial stiffness, preload class D	361 N/ μ m
Calculation factor f	1.26
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	16.5
Mass bearing	0.73 kg