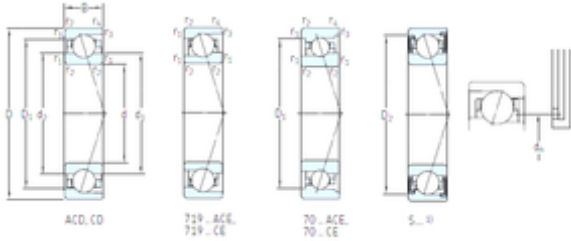


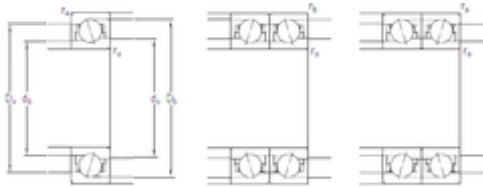


# NTN DRIVESHAFT ANDERSON, INC.



110 mm x 170 mm x 28 mm SKF S7022  
ACD/HCP4A angular contact ball bearings

Bearing No. S7022 ACD/HCP4A



S7022 ACD/HCP4A Bearing 2D drawings and 3D CAD models

Size	110x170x28 mm
Bore Diameter	110 mm
Outer Diameter	170 mm
Width	28 mm
d	110 mm
D	170 mm
B	28 mm
C	28 mm
d1	128,5 mm
d2	128,5 mm
r1 min.	2 mm
r2 min.	2 mm
r3 min.	1 mm
r4 min.	1 mm
D1	151,5 mm
D2	155,2 mm
da min.	119 mm
Da max.	161 mm
db min	119 mm
ra max.	2 mm
rb max.	1 mm
dh	132,6 mm
Db max	165 mm
Weight	1,65 Kg
Basic dynamic load rating (C)	104 kN



## NTN DRIVESHAFT ANDERSON, INC.

Basic static load rating (C <sub>0</sub> )	104 kN
(Grease) Lubrication Speed	8 500 r/min
(Oil) Lubrication Speed	13 000 r/min
Fatigue load limit (P <sub>u</sub> )	3,75
d <sub>1</sub>	128.5 mm
d <sub>2</sub>	128.5 mm
D <sub>2</sub>	155.15 mm
r <sub>1,2</sub> min.	2 mm
r <sub>3,4</sub> min.	1 mm
a	46.8 mm
d <sub>a</sub> min.	119 mm
d <sub>a</sub> max.	127.9 mm
d <sub>b</sub> min.	119 mm
d <sub>b</sub> max.	127.9 mm
D <sub>a</sub> max.	161 mm
D <sub>b</sub> max.	165 mm
r <sub>a</sub> max.	2 mm
r <sub>b</sub> max.	1 mm
Basic dynamic load rating C	104 kN
Basic static load rating C <sub>0</sub>	104 kN
Fatigue load limit P <sub>u</sub>	3.75 kN
Attainable speed for grease lubrication	8500 r/min
Ball diameter D <sub>w</sub>	19.05 mm
Number of balls z	20
Preload class A G <sub>A</sub>	650 N
Static axial stiffness, preload class A	322 N/ μ m
Preload class B G <sub>B</sub>	1300 N
Static axial stiffness, preload class B	421 N/ μ m
Preload class C G <sub>C</sub>	2600 N
Static axial stiffness, preload	558 N/ μ m



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class C	
Preload class D $G_D$	5200 N
Static axial stiffness, preload class D	755 N/ $\mu$ m
Calculation factor $f$	1.14
Calculation factor $f_1$	0.99
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2C}$	1.05
Calculation factor $f_{2D}$	1.08
Calculation factor $f_{HC}$	1.02
Calculation factor $e$	0.68
Calculation factor (single, tandem) $Y_2$	0.87
Calculation factor (single, tandem) $Y_0$	0.38
Calculation factor (single, tandem) $X_2$	0.41
Calculation factor (back-to-back, face-to-face) $Y_1$	0.92
Calculation factor (back-to-back, face-to-face) $Y_2$	1.41
Calculation factor (back-to-back, face-to-face) $Y_0$	0.76
Calculation factor (back-to-back, face-to-face) $X_2$	0.67
Mass bearing	1.66 kg