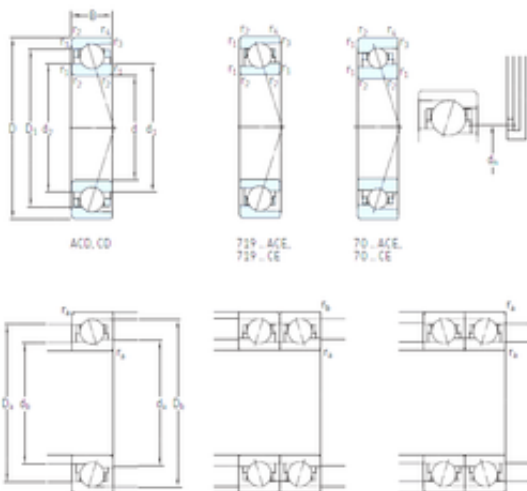




# UNF BRAINGS SALES JAPAN CO.,LTD.



10 mm x 30 mm x 9 mm SKF 7200 CD/HCP4A  
Reduced Torque from Optimized plan exactness  
Bearings

Bearing No. 7200 CD/HCP4A

Size	10x30x9 mm
Bore Diameter	10 mm
Outer Diameter	30 mm
Width	9 mm
d	10 mm
D	30 mm
B	9 mm
C	9 mm
d1	17,3 mm
d2	17,3 mm
r1 min.	0,6 mm
r2 min.	0,6 mm
r3 min.	0,3 mm
r4 min.	0,3 mm
D1	23,1 mm
D2	24,3 mm
da min.	14,2 mm
Da max.	25,8 mm
db min	14,2 mm
ra max.	0,6 mm
rb max.	0,3 mm
dh	18,3 mm
Db max	27,6 mm
Weight	0,029 Kg
Basic dynamic load rating	4,49 kN

7200 CD/HCP4A Bearing 2D drawings and 3D CAD models



## UNF BRAINGS SALES JAPAN CO.,LTD.

(C)	
Basic static load rating (C <sub>0</sub> )	1,93 kN
(Grease) Lubrication Speed	70 000 r/min
(Oil) Lubrication Speed	100 000 r/min
Fatigue load limit (P <sub>u</sub> )	0,08
d <sub>1</sub>	17.3 mm
d <sub>2</sub>	17.3 mm
D <sub>1</sub>	23.1 mm
r <sub>1,2</sub> min.	0.6 mm
r <sub>3,4</sub> min.	0.3 mm
a	7.3 mm
d <sub>a</sub> min.	14.2 mm
d <sub>b</sub> min.	14.2 mm
D <sub>a</sub> max.	25.8 mm
D <sub>b</sub> max.	27.6 mm
r <sub>a</sub> max.	0.6 mm
r <sub>b</sub> max.	0.3 mm
d <sub>n</sub>	18.3 mm
Basic dynamic load rating C	4.49 kN
Basic static load rating C <sub>0</sub>	1.93 kN
Fatigue load limit P <sub>u</sub>	0.08 kN
Attainable speed for grease lubrication	70000 r/min
Attainable speed for oil-air lubrication	100000 r/min
Ball diameter D <sub>w</sub>	4.762 mm
Number of balls z	10
Reference grease quantity G <sub>ref</sub>	0.357 cm <sup>3</sup>
Preload class A G <sub>A</sub>	17 N
Static axial stiffness, preload class A	16 N/ μ m
Preload class B G <sub>B</sub>	34 N



## UNF BRAINGS SALES JAPAN CO.,LTD.

Static axial stiffness, preload class B	21 N/ $\mu$ m
Preload class C $G_C$	68 N
Static axial stiffness, preload class C	29 N/ $\mu$ m
Preload class D $G_D$	136 N
Static axial stiffness, preload class D	41 N/ $\mu$ m
Calculation factor $f$	1.02
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.01
Calculation factor $f_{2C}$	1.03
Calculation factor $f_{2D}$	1.06
Calculation factor $f_{HC}$	1.01
Calculation factor $f_0$	8.8
Mass bearing	0.029 kg