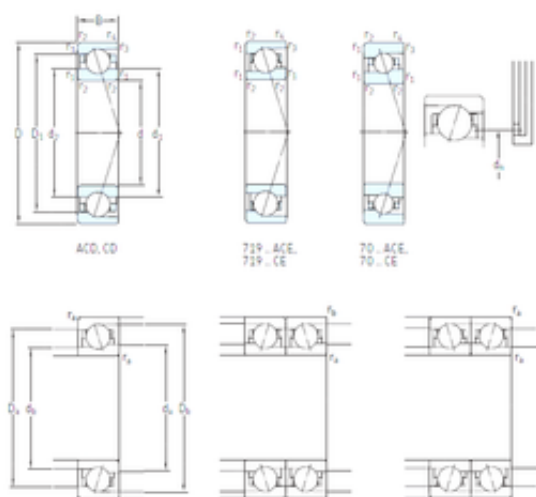




Bearing No. 7210 CD/HCP4A

a	19.4 mm
d	50 mm
D	90 mm
B	20 mm
C	20 mm
D2	80,7 mm
d2	62,3 mm
D1	77,7 mm
dh	65,6 mm
d1	62,3 mm
Noun	Bearing
Bore	1.969 Inch 50 Millimeter
Width	0.787 Inch 20 Millimeter
db min	57 mm
UNSPSC	31171531
Weight	0,39 Kg
Db max	85,8 mm
ra max.	1 mm
rb max.	0,6 mm
Da max.	83 mm
da min.	57 mm
r4 min.	0,6 mm
r3 min.	0,6 mm
r2 min.	1,1 mm
r1 min.	1,1 mm
Preload	None
Category	Precision Ball Bearings
Size (mm)	50x90x20
Enclosure	Open

Inventory	0.0
Width (mm)	20
Flush Ground	No
Mass bearing	0.39 kg
d ₁	62.3 mm
Product Group	B04270
d ₂	62.3 mm
D ₁	77.7 mm
Inch - Metric	Metric
Cage Material	Phenolic
Contact Angle	15 Degree
d _n	65.6 mm
Raceway Style	1 Rib Outer Ring
Keyword String	Ball Angular Contact
Bearing number	7210 CD/HCP4A
Other Features	Single Row Angular Contact High Capacity Basic Design
Precision Class	ABEC 7 ISO P4
Rolling Element	Ball Bearing
Material - Ball	Ceramic
Long Description	50MM Bore; 90MM Outside Diameter; 20MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Ceramic Ball Material; 1 (Single) Bearing; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Outer Ring Ra
Manufacturer URL	http://www.skf.com
Outside Diameter	3.543 Inch 90 Millimeter
Weight / Kilogram	0
Number of balls z	15

Manufacturer Name	SKF
d_a min.	57 mm
Number of Bearings	1 (Single)
r_b max.	0.6 mm
r_a max.	1 mm
D_b max.	85.8 mm
D_a max.	83 mm
d_b min.	57 mm
Bore Diameter (mm)	50
Outer Diameter (mm)	90
$r_{1,2}$ min.	1.1 mm
Calculation factor f	1.08
Minimum Buy Quantity	N/A
$r_{3,4}$ min.	0.6 mm
Harmonized Tariff Code	8482.10.50.28
(Oil) Lubrication Speed	30 000 r/min
Fatigue load limit (Pu)	1,43
(Grease) Lubrication Speed	19 000 r/min
Basic dynamic load rating C	44.9 kN
Ball diameter D_w	12.7 mm
Preload class D G_D	1360 N
Preload class C G_C	680 N
Preload class B G_B	340 N
Preload class A G_A	170 N
Basic dynamic load rating (C)	44,9 kN
Basic static load rating (C0)	34 kN
Calculation factor f_1	1
Calculation factor f_0	14.5
Fatigue load limit P_u	1.43 kN

Calculation factor f_{HC}	1.01
Calculation factor f_{2D}	1.06
Calculation factor f_{2C}	1.03
Calculation factor f_{2B}	1.01
Calculation factor f_{2A}	1
Basic static load rating C_0	34 kN
Static axial stiffness, preload class D	198 N/ μ m
Static axial stiffness, preload class C	137 N/ μ m
Static axial stiffness, preload class B	98 N/ μ m
Attainable speed for grease lubrication	19000 r/min
Static axial stiffness, preload class A	72 N/ μ m
Attainable speed for oil- air lubrication	30000 r/min
Reference grease quantity G_{ref}	6.708 cm ³