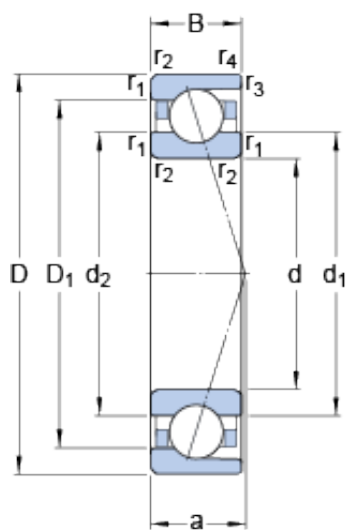




Bearing No. 7219 CD/P4A

D	170 mm
d	95 mm
B	32 mm
a	33.9 mm
Noun	Bearing
Bore	3.74 Inch 95 Millimeter
Width	1.26 Inch 32 Millimeter
UNSPSC	31171531
Preload	None
Category	Precision Ball Bearings
Ball - z	15
Inventory	0.0
Enclosure	Open
Size (mm)	170x95x32
Width (mm)	32
Flush Ground	No
Mass bearing	2.7 kg
d ₁	118.1 mm
d ₂	118.1 mm
d _n	124.4 mm
Inch - Metric	Metric
D ₁	146.9 mm
Cage Material	Phenolic
Raceway Style	1 Rib Outer Ring
d ₂	118.1 mm
Contact Angle	15 Degree
d ₁	118.1 mm
D ₁	146.9 mm
d _n	124.4 mm

Product Group	B04270
Other Features	Single Row Angular Contact Super Precision High Capacity Basic Design
Keyword String	Ball Angular Contact
Bearing number	7219 CD/P4A
G _{ref}	34.314 cm3
Rolling Element	Ball Bearing
Material - Ball	Steel
Preload class A	115 N/micron
Preload class B	156 N/micron
Preload class C	217 N/micron
Preload class D	313 N/micron
Precision Class	ABEC 7 ISO P4
Long Description	95MM Bore; 170MM Outside Diameter; 32MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearing; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Outer Ring Rac
Manufacturer URL	http://www.skf.com
Outside Diameter	6.693 Inch 170 Millimeter
Number of balls z	15
Weight / Kilogram	0
Manufacturer Name	SKF
Number of Bearings	1 (Single)
d _a min.	107 mm
d _b min.	107 mm
D _a max.	158 mm
D _b max.	163 mm

r_a max.	2 mm
r_b max.	1 mm
Bore Diameter (mm)	170
Outer Diameter (mm)	95
$r_{3,4}$ min.	1.1 mm
$r_{1,2}$ min.	2.1 mm
d_b - min.	107 mm
Calculation factor f	1.09
D_a - max.	158 mm
D_b - max.	163 mm
r_a - max.	2 mm
d_a - min.	107 mm
Ball - D_w	23.812 mm
r_b - max.	1 mm
Minimum Buy Quantity	N/A
Calculation factor - f	1.09
$r_{3,4}$ - min.	1.1 mm
$r_{1,2}$ - min.	2.1 mm
Harmonized Tariff Code	8482.10.50.28
Basic dynamic load rating C	138 kN
Ball diameter D_w	23.812 mm
Basic dynamic load rating - C	138 kN
Preload class D G_D	4160 N
Preload class C G_C	2080 N
Preload class B G_B	1040 N
Preload class A G_A	520 N
Preload class D - G_D	4160 N
Preload class C - G_C	2080 N
Preload class B - G_B	1040 N
Preload class A - G_A	520 N

Calculation factor f_0	14.6
Calculation factor f_1	1
Fatigue load limit P_u	4.4 kN
Calculation factor - f	1
Calculation factor f_{HC}	1
Calculation factor f_{2D}	1.05
Calculation factor f_{2C}	1.03
Calculation factor f_{2B}	1.01
Calculation factor f_{2A}	1
Calculation factor - f_0	14.6
Limiting speed for oil lubrication	13000 mm/min
Fatigue load limit - P_u	4.4 kN
Calculation factor - f_{2D}	1.05
Calculation factor - f_{2A}	1
Calculation factor - f_{HC}	1
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2C}	1.03
Limiting speed for grease lubrication	8000 r/min
Basic static load rating C_0	120 kN
Static axial stiffness, preload class D	313 N/ μ m
Static axial stiffness, preload class B	156 N/ μ m
Static axial stiffness, preload class A	115 N/ μ m
Attainable speed for grease lubrication	8000 r/min
Static axial stiffness, preload class C	217 N/ μ m
Basic static load rating -	120 kN

C_0	
Attainable speed for oil-air lubrication	13000 r/min
Reference grease quantity G_{ref}	34.314 cm ³