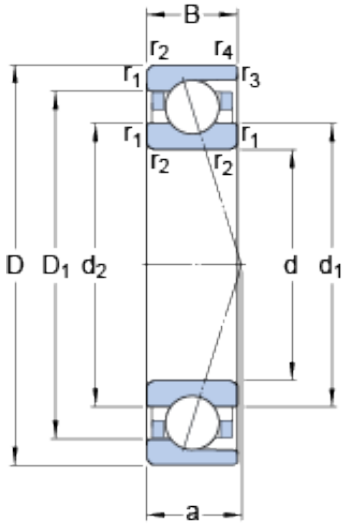
Loyal | 7019 CD/P4A



Bearing No. 7019 CD/P4A

D	145 mm
d	95 mm
B	24 mm
a	28.2 mm
Noun	Bearing
Bore	3.74 Inch | 95 Millimeter
Width	0.945 Inch | 24 Millimeter
UNSPSC	31171531
Preload	None
Category	Precision Ball Bearings
Ball - z	21
Inventory	0.0
Enclosure	Open
Size (mm)	145x95x24
Width (mm)	24
Flush Ground	No
Mass bearing	1.21 kg
d_1	110.4 mm
d_2	110.4 mm
d_n	113.7 mm
Inch - Metric	Metric
D_1	129.6 mm
Cage Material	Phenolic
Raceway Style	1 Rib Outer Ring
d_2	110.4 mm
Contact Angle	15 Degree
d_1	110.4 mm
D_1	129.6 mm
d_n	113.7 mm

Product Group	B04270
Other Features	Single Row | Angular Contact | High Capacity Basic Design
Keyword String	Ball Angular Contact
Bearing number	7019 CD/P4A
Material - Ball	Steel
Preload class A	108 N/micron
Precision Class	ABEC 7 | ISO P4
Rolling Element	Ball Bearing
Preload class D	302 N/micron
G_{ref}	15.6 cm3
Preload class B	148 N/micron
Preload class C	208 N/micron
Manufacturer URL	http://www.skf.com
Long Description	95MM Bore; 145MM Outside Diameter; 24MM 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
Outside Diameter	5.709 Inch | 145 Millimeter
Manufacturer Name	SKF
Weight / Kilogram	0
Number of balls z	21
D_a max.	138 mm
D_b max.	141 mm
r_a max.	1.5 mm
r_b max.	1 mm
d_b min.	102 mm
d_a min.	102 mm

Bore Diameter (mm)	145
Number of Bearings	1 (Single)
Outer Diameter (mm)	95
Ball - D_w	15.875 mm
D_a - max.	138 mm
$r_{3,4}$ min.	1 mm
$r_{1,2}$ min.	1.5 mm
d_a - min.	102 mm
d_b - min.	102 mm
Minimum Buy Quantity	N/A
D_b - max.	141 mm
r_a - max.	1.5 mm
r_b - max.	1 mm
Calculation factor f	1.15
Harmonized Tariff Code	8482.10.50.28
Calculation factor - f	1.15
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	1.5 mm
Basic dynamic load rating C	81.9 kN
Ball diameter D_w	15.875 mm
Preload class A G_A	310 N
Basic dynamic load rating - C	81.9 kN
Preload class B G_B	620 N
Preload class C G_C	1240 N
Preload class D G_D	2480 N
Preload class D - G_D	2480 N
Preload class B - G_B	620 N
Preload class C - G_C	1240 N
Preload class A - G_A	310 N
Calculation factor f_0	15.7

Fatigue load limit P_u	3.1 kN
Calculation factor f_1	1
Calculation factor f_{HC}	1
Calculation factor f_{2D}	1.09
Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.02
Calculation factor - f	1
Calculation factor f_{2A}	1
Calculation factor - f_0	15.7
Limiting speed for oil lubrication	14000 mm/min
Fatigue load limit - P_u	3.1 kN
Calculation factor - f_{HC}	1
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2A}	1
Calculation factor - f_{2D}	1.09
Calculation factor - f_{2C}	1.05
Limiting speed for grease lubrication	8500 r/min
Basic static load rating C_0	80 kN
Static axial stiffness, preload class B	148 N/µm
Static axial stiffness, preload class C	208 N/µm
Static axial stiffness, preload class D	302 N/µm
Static axial stiffness, preload class A	108 N/µm
Attainable speed for grease lubrication	8500 r/min
Attainable speed for oil-air lubrication	14000 r/min

Basic static load rating - C_0	80 kN
Reference grease quantity G_{ref}	15.6 cm³