



Bearing No. 7044 CD/P4A

a	65.7 mm
d	220 mm
D	340 mm
B	56 mm
Noun	Bearing
Bore	8.661 Inch 220 Millimeter
Width	2.205 Inch 56 Millimeter
UNSPSC	31171531
Preload	None
Ball - z	21
Category	Precision Ball Bearings
Size (mm)	340x220x56
Enclosure	Open
Inventory	0.0
Width (mm)	56
Weight / LBS	41.756
Flush Ground	No
Mass bearing	16.1 kg
d ₁	257 mm
d ₂	257 mm
D ₁	303 mm
Inch - Metric	Metric
Cage Material	Phenolic
Raceway Style	1 Rib Outer Ring
d _n	267.1 mm
Product Group	B04270
Contact Angle	15 Degree
D ₁	303 mm
d	267.1 mm

n	
d ₂	257 mm
d ₁	257 mm
Bearing number	7044 CD/P4A
Keyword String	Angular Contact Ball
Other Features	Single Row Angular Contact High Precision
Preload class B	300 N/micron
Rolling Element	Ball Bearing
Material - Ball	Steel
Precision Class	ABEC 7 ISO P4
G _{ref}	201 cm3
Preload class C	415 N/micron
Preload class D	592 N/micron
Preload class A	222 N/micron
Outside Diameter	13.386 Inch 340 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	220MM Bore; 340MM Outside Diameter; 56MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearings; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Outer Ring R
Manufacturer Name	SKF
Number of balls z	21
Weight / Kilogram	18.96
d _a min.	233 mm
d _b min.	233 mm
Bore Diameter (mm)	340
Number of Bearings	1 (Single)

r_b max.	1.5 mm
r_a max.	2.5 mm
D_a max.	327 mm
D_b max.	334 mm
Outer Diameter (mm)	220
$r_{1,2}$ min.	3 mm
$r_{3,4}$ min.	1.5 mm
d_a - min.	233 mm
Calculation factor f	1.13
d_b - min.	233 mm
Ball - D_w	38.1 mm
D_a - max.	327 mm
Minimum Buy Quantity	N/A
r_a - max.	2.5 mm
r_b - max.	1.5 mm
D_b - max.	334 mm
Harmonized Tariff Code	8482.10.50.28
Calculation factor - f	1.13
$r_{3,4}$ - min.	1.5 mm
$r_{1,2}$ - min.	3 mm
Manufacturer Item Number	7044 CD/P4A
Basic dynamic load rating C	338 kN
Ball diameter D_w	38.1 mm
Preload class B G_B	2500 N
Preload class A G_A	1250 N
Preload class C G_C	5000 N
Preload class D G_D	10000 N
Basic dynamic load rating - C	338 kN
Preload class B - G_B	2500 N
Preload class C - G_C	5000 N

Preload class A - G_A	1250 N
Preload class D - G_D	10000 N
Calculation factor f_1	1
Fatigue load limit P_u	11.6 kN
Calculation factor f_0	15.6
Calculation factor - f	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05
Calculation factor f_{2D}	1.09
Calculation factor f_{HC}	1
Calculation factor - f_0	15.6
Fatigue load limit - P_u	11.6 kN
Limiting speed for oil lubrication	6000 mm/min
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2D}	1.09
Calculation factor - f_{HC}	1
Limiting speed for grease lubrication	4000 r/min
Basic static load rating C_0	455 kN
Static axial stiffness, preload class A	222 N/ μ m
Static axial stiffness, preload class B	300 N/ μ m
Static axial stiffness, preload class C	415 N/ μ m
Static axial stiffness, preload class D	592 N/ μ m

Attainable speed for grease lubrication	4000 r/min
Attainable speed for oil-air lubrication	6000 r/min
Basic static load rating - C_0	455 kN
Reference grease quantity G_{ref}	201 cm ³