



Bearing No. 7213 CD/P4A

a	24 mm
d	65 mm
D	120 mm
B	23 mm
Noun	Bearing
Bore	2.559 Inch 65 Millimeter
Width	0.906 Inch 23 Millimeter
UNSPSC	31171531
Preload	None
Ball - z	15
Category	Precision Ball Bearings
Size (mm)	120x65x23
Enclosure	Open
Inventory	0.0
Width (mm)	23
Weight / LBS	2.271
Flush Ground	No
Mass bearing	1.03 kg
d ₁	82.9 mm
d ₂	82.9 mm
D ₁	102.1 mm
Inch - Metric	Metric
Cage Material	Phenolic
Raceway Style	1 Rib Outer Ring
d _n	86.6 mm
Product Group	B04270
Contact Angle	15 Degree
D ₁	102.1 mm
d	86.6 mm

n	
d ₂	82.9 mm
d ₁	82.9 mm
Bearing number	7213 CD/P4A
Keyword String	Angular Contact Ball
Other Features	Single Row Angular Contact Super Precision High Capacity
Preload class B	106 N/micron
Rolling Element	Ball Bearing
Material - Ball	Steel
Precision Class	ABEC 7 ISO P4
G _{ref}	12.471 cm3
Preload class C	148 N/micron
Preload class D	212 N/micron
Preload class A	78 N/micron
Outside Diameter	4.724 Inch 120 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	65MM Bore; 120MM Outside Diameter; 23MM 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 Ra
Manufacturer Name	SKF
Number of balls z	15
Weight / Kilogram	1.03
d _a min.	74 mm
d _b min.	74 mm
Bore Diameter (mm)	120

Number of Bearings	1 (Single)
r_b max.	0.6 mm
r_a max.	1.5 mm
D_a max.	111 mm
D_b max.	115.8 mm
Outer Diameter (mm)	65
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	0.6 mm
d_a - min.	74 mm
Calculation factor f	1.07
d_b - min.	74 mm
Ball - D_w	15.875 mm
D_a - max.	111 mm
Minimum Buy Quantity	N/A
r_a - max.	1.5 mm
r_b - max.	0.6 mm
D_b - max.	115.8 mm
Harmonized Tariff Code	8482.10.50.28
Calculation factor - f	1.07
$r_{3,4}$ - min.	0.6 mm
$r_{1,2}$ - min.	1.5 mm
Manufacturer Item Number	7213 CD/P4A
Basic dynamic load rating C	66.3 kN
Ball diameter D_w	15.875 mm
Preload class B G_B	500 N
Preload class A G_A	250 N
Preload class C G_C	1000 N
Preload class D G_D	2000 N
Basic dynamic load rating - C	66.3 kN
Preload class B - G_B	500 N

Preload class C - G_C	1000 N
Preload class A - G_A	250 N
Preload class D - G_D	2000 N
Calculation factor f_1	1
Fatigue load limit P_u	2.28 kN
Calculation factor f_0	14.6
Calculation factor - f	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.01
Calculation factor f_{2C}	1.03
Calculation factor f_{2D}	1.05
Calculation factor f_{HC}	1
Calculation factor - f_0	14.6
Fatigue load limit - P_u	2.3 kN
Limiting speed for oil lubrication	19000 mm/min
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.03
Calculation factor - f_{2D}	1.05
Calculation factor - f_{HC}	1
Limiting speed for grease lubrication	12000 r/min
Basic static load rating C_0	53 kN
Static axial stiffness, preload class A	78 N/ μ m
Static axial stiffness, preload class B	106 N/ μ m
Static axial stiffness, preload class C	148 N/ μ m
Static axial stiffness,	212 N/ μ m

preload class D	
Attainable speed for grease lubrication	12000 r/min
Attainable speed for oil-air lubrication	19000 r/min
Basic static load rating - C_0	53 kN
Reference grease quantity G_{ref}	12.471 cm ³