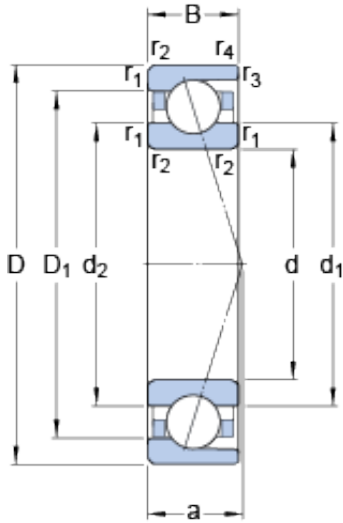




NTL BEARINGS LTD.

7213 CD/P4A SKF High Speed Angular Contact Ball Bearings

Bearing No. 7213 CD/P4A



7213 CD/P4A Bearing 2D drawings and 3D CAD models

Size	120x65x23 mm
Bore Diameter	120 mm
Outer Diameter	65 mm
Width	23 mm
d	65 mm
D	120 mm
B	23 mm
d ₁	82.9 mm
d ₂	82.9 mm
D ₁	102.1 mm
r _{1,2} - min.	1.5 mm
r _{3,4} - min.	0.6 mm
a	24 mm
d _a - min.	74 mm
d _b - min.	74 mm
D _a - max.	111 mm
D _b - max.	115.8 mm
r _a - max.	1.5 mm
r _b - max.	0.6 mm
d _n	86.6 mm
Basic dynamic load rating - C	66.3 kN
Basic static load rating - C ₀	53 kN
Fatigue load limit - P _u	2.3 kN
Limiting speed for grease	12000 r/min



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Lubrication	
Limiting speed for oil lubrication	19000 mm/min
Ball - D_w	15.875 mm
Ball - z	15
G_{ref}	12.471 cm ³
Calculation factor - f_0	14.6
Preload class A - G_A	250 N
Preload class B - G_B	500 N
Preload class C - G_C	1000 N
Preload class D - G_D	2000 N
Calculation factor - f	1.07
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
Preload class A	78 N/micron
Preload class B	106 N/micron
Preload class C	148 N/micron
Preload class D	212 N/micron
Category	Precision Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	1.03
Product Group	B04270
Enclosure	Open
Precision Class	ABEC 7 ISO P4



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Material - Ball	Steel
Number of Bearings	1 (Single)
Contact Angle	15 Degree
Preload	None
Raceway Style	1 Rib Outer Ring
Cage Material	Phenolic
Rolling Element	Ball Bearing
Flush Ground	No
Inch - Metric	Metric
Other Features	Single Row Angular Contact Super Precision High Capacity
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
Category	Precision Ball Bearings
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact Ball
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	7213 CD/P4A
Weight / LBS	2.271
Bore	2.559 Inch 65 Millimeter
Outside Diameter	4.724 Inch 120 Millimeter
Width	0.906 Inch 23 Millimeter
d ₁	82.9 mm
d ₂	82.9 mm
D ₁	102.1 mm



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$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	74 mm
d_b min.	74 mm
D_a max.	111 mm
D_b max.	115.8 mm
r_a max.	1.5 mm
r_b max.	0.6 mm
d_n	86.6 mm
Basic dynamic load rating C	66.3 kN
Basic static load rating C_0	53 kN
Fatigue load limit P_u	2.28 kN
Attainable speed for grease lubrication	12000 r/min
Attainable speed for oil-air lubrication	19000 r/min
Ball diameter D_w	15.875 mm
Number of balls z	15
Reference grease quantity G_{ref}	12.471 cm ³
Preload class A G_A	250 N
Static axial stiffness, preload class A	78 N/ μ m
Preload class B G_B	500 N
Static axial stiffness, preload class B	106 N/ μ m
Preload class C G_C	1000 N
Static axial stiffness, preload class C	148 N/ μ m
Preload class D G_D	2000 N
Static axial stiffness, preload class D	212 N/ μ m
Calculation factor f	1.07
Calculation factor f_1	1



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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
Mass bearing	1.03 kg