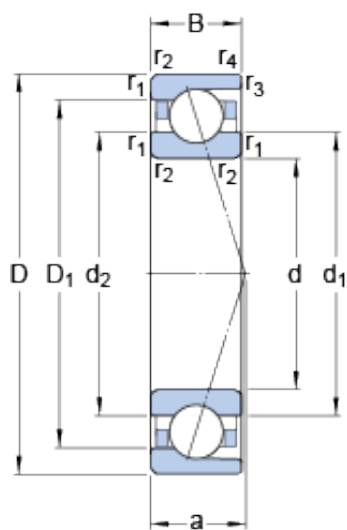




Bearing No. 7212 CD/P4A

a	22.5 mm
d	60 mm
D	110 mm
B	22 mm
Noun	Bearing
Bore	2.362 Inch 60 Millimeter
Width	0.866 Inch 22 Millimeter
UNSPSC	31171531
Preload	None
Ball - z	16
Category	Precision Ball Bearings
Size (mm)	110x60x22
Enclosure	Open
Inventory	0.0
Width (mm)	22
Weight / LBS	1.828
Flush Ground	No
Mass bearing	0.81 kg
d ₁	76.4 mm
d ₂	76.4 mm
D ₁	93.6 mm
Inch - Metric	Metric
Cage Material	Phenolic
Raceway Style	1 Rib Outer Ring
d _n	80.1 mm
Product Group	B04270
Contact Angle	15 Degree
D ₁	93.6 mm
d	80.1 mm

n	
d ₂	76.4 mm
d ₁	76.4 mm
Bearing number	7212 CD/P4A
Keyword String	Angular Contact Ball
Other Features	Single Row Angular Contact Super Precision High Capacity
Preload class B	102 N/micron
Rolling Element	Ball Bearing
Material - Ball	Steel
Precision Class	ABEC 7 ISO P4
G _{ref}	10.08 cm3
Preload class C	142 N/micron
Preload class D	205 N/micron
Preload class A	75 N/micron
Outside Diameter	4.331 Inch 110 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	60MM Bore; 110MM Outside Diameter; 22MM 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	16
Weight / Kilogram	0.831
d _a min.	69 mm
d _b min.	69 mm
Bore Diameter (mm)	110

Number of Bearings	1 (Single)
r_b max.	0.6 mm
r_a max.	1.5 mm
D_a max.	101 mm
D_b max.	105.8 mm
Outer Diameter (mm)	60
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	0.6 mm
d_a - min.	69 mm
Calculation factor f	1.07
d_b - min.	69 mm
Ball - D_w	14.288 mm
D_a - max.	101 mm
r_a - max.	1.5 mm
r_b - max.	0.6 mm
D_b - max.	105.8 mm
Minimum Buy Quantity	N/A
$r_{1,2}$ - min.	1.5 mm
Harmonized Tariff Code	8482.10.50.28
Calculation factor - f	1.07
$r_{3,4}$ - min.	0.6 mm
Manufacturer Item Number	7212 CD/P4A
Basic dynamic load rating C	57.2 kN
Ball diameter D_w	14.288 mm
Preload class B G_B	430 N
Preload class A G_A	215 N
Preload class C G_C	860 N
Preload class D G_D	1720 N
Basic dynamic load rating - C	57.2 kN
Preload class B - G_B	430 N

Preload class C - G_C	860 N
Preload class A - G_A	215 N
Preload class D - G_D	1720 N
Calculation factor f_1	1
Fatigue load limit P_u	2 kN
Calculation factor f_0	14.9
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	14.9
Fatigue load limit - P_u	2 kN
Limiting speed for oil lubrication	20000 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	13000 r/min
Basic static load rating C_0	46.5 kN
Static axial stiffness, preload class A	75 N/ μ m
Static axial stiffness, preload class B	102 N/ μ m
Static axial stiffness, preload class C	142 N/ μ m
Static axial stiffness,	205 N/ μ m

preload class D	
Attainable speed for grease lubrication	13000 r/min
Attainable speed for oil-air lubrication	20000 r/min
Basic static load rating - C_0	46.5 kN
Reference grease quantity G_{ref}	10.08 cm ³