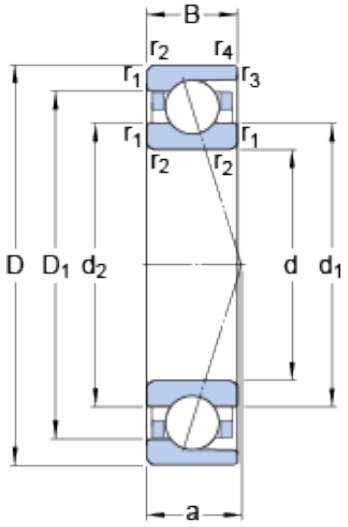
Loyal | 7201 CD/HCP4A



Bearing No. 7201 CD/HCP4A

a	8 mm
d	12 mm
D	32 mm
B	10 mm
Noun	Bearing
Bore	0.472 Inch | 12 Millimeter
Width	0.394 Inch | 10 Millimeter
UNSPSC	31171531
Preload	None
Ball - z	10
Category	Precision Ball Bearings
Size (mm)	32x12x10
Enclosure	Open
Inventory	0.0
Width (mm)	10
Weight / LBS	0.083
Flush Ground	No
Mass bearing	0.033 kg
d_1	18.6 mm
d_2	18.6 mm
D_1	25.4 mm
Inch - Metric	Metric
Cage Material	Phenolic
Raceway Style	1 Rib Outer Ring
d_n	20 mm
Product Group	B04270
Contact Angle	15 Degree
D_1	25.4 mm
d	20 mm

n	
d_2	18.6 mm
d_1	18.6 mm
Bearing number	7201 CD/HCP4A
Keyword String	Angular Contact Ball
Other Features	Single Row | Angular Contact | Super Precision | High Capacity | Hybrid | Corrosion Resistant Ball
Preload class B	24 N/micron
Rolling Element	Ball Bearing
Material - Ball	Ceramic
Precision Class	ABEC 7 | ISO P4
G_{ref}	0.507 cm3
Preload class C	33 N/micron
Preload class D	46 N/micron
Preload class A	18 N/micron
Outside Diameter	1.26 Inch | 32 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	12MM Bore; 32MM Outside Diameter; 10MM Width; Open Enclosure; ABEC 7 | ISO P4 Precision; Ceramic Ball Material; 1 (Single) Bearings; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Outer Ring R
Manufacturer Name	SKF
Number of balls z	10
Weight / Kilogram	0.038
d_a min.	16.2 mm
d_b min.	16.2 mm
Bore Diameter (mm)	32

Number of Bearings	1 (Single)
r_b max.	0.3 mm
r_a max.	0.6 mm
D_a max.	27.8 mm
D_b max.	29.6 mm
Outer Diameter (mm)	12
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
d_a - min.	16.2 mm
Calculation factor f	1.02
d_b - min.	16.2 mm
Ball - D_w	5.556 mm
D_a - max.	27.8 mm
Minimum Buy Quantity	N/A
r_a - max.	0.6 mm
r_b - max.	0.3 mm
D_b - max.	29.6 mm
Harmonized Tariff Code	8482.10.50.28
Calculation factor - f	1.02
$r_{3,4}$ - min.	0.3 mm
$r_{1,2}$ - min.	0.6 mm
Manufacturer Item Number	7201 CD/HCP4A
Basic dynamic load rating C	5.85 kN
Ball diameter D_w	5.556 mm
Preload class B G_B	44 N
Preload class A G_A	22 N
Preload class C G_C	88 N
Preload class D G_D	176 N
Basic dynamic load rating - C	5.8 kN
Preload class B - G_B	44 N

Preload class C - G_C	88 N
Preload class A - G_A	22 N
Preload class D - G_D	176 N
Calculation factor f_1	1
Fatigue load limit P_u	0.108 kN
Calculation factor f_0	8.5
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}	1.06
Calculation factor f_{HC}	1.01
Calculation factor - f_0	8.5
Fatigue load limit - P_u	0.108 kN
Limiting speed for oil lubrication	95000 mm/min
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.03
Calculation factor - f_{2D}	1.06
Calculation factor - f_{HC}	1.01
Limiting speed for grease lubrication	67000 r/min
Basic static load rating C_0	2.55 kN
Static axial stiffness, preload class A	18 N/µm
Static axial stiffness, preload class B	24 N/µm
Static axial stiffness, preload class C	33 N/µm
Static axial stiffness,	46 N/µm

preload class D	
Attainable speed for grease lubrication	67000 r/min
Attainable speed for oil-air lubrication	95000 r/min
Basic static load rating - C_0	2.6 kN
Reference grease quantity G_{ref}	0.507 cm^3