



Bearing No. 7206 CD/HCP4A

D	62 mm
d	30 mm
B	16 mm
a	14.2 mm
Noun	Bearing
Bore	1.181 Inch   30 Millimeter
Width	0.63 Inch   16 Millimeter
UNSPSC	31171531
Preload	None
Category	Precision Ball Bearings
Ball - z	13
Inventory	0.0
Enclosure	Open
Size (mm)	62x30x16
Width (mm)	16
Flush Ground	No
Mass bearing	0.17 kg
d <sub>1</sub>	40.2 mm
d <sub>2</sub>	40.2 mm
d <sub>n</sub>	42.7 mm
Inch - Metric	Metric
D <sub>1</sub>	51.8 mm
Cage Material	Phenolic
Raceway Style	1 Rib Outer Ring
d <sub>2</sub>	40.2 mm
Contact Angle	15 Degree
d <sub>1</sub>	40.2 mm
D <sub>1</sub>	51.8 mm
d <sub>n</sub>	42.7 mm

Product Group	B04270
Other Features	Single Row   Angular Contact   High Capacity Basic Design
Keyword String	Ball Angular Contact
Bearing number	7206 CD/HCP4A
$G_{ref}$	2.769 cm3
Rolling Element	Ball Bearing
Material - Ball	Ceramic
Preload class A	48 N/micron
Preload class B	65 N/micron
Preload class C	91 N/micron
Preload class D	131 N/micron
Precision Class	ABEC 7   ISO P4
Long Description	30MM Bore; 62MM Outside Diameter; 16MM Width; Open Enclosure; ABEC 7   ISO P4 Precision; Ceramic Ball Material; 1 (Single) Bearing; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Outer Ring Ra
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Outside Diameter	2.441 Inch   62 Millimeter
Number of balls z	13
Weight / Kilogram	0
Manufacturer Name	SKF
Number of Bearings	1 (Single)
$d_a$ min.	35.6 mm
$d_b$ min.	35.6 mm
$D_a$ max.	56.4 mm
$D_b$ max.	59.6 mm
$r_a$ max.	1 mm

$r_b$ max.	0.3 mm
Bore Diameter (mm)	62
Outer Diameter (mm)	30
$r_{3,4}$ min.	0.3 mm
$r_{1,2}$ min.	1 mm
$d_b$ - min.	35.6 mm
Calculation factor f	1.05
$D_a$ - max.	56.4 mm
$D_b$ - max.	59.6 mm
$r_a$ - max.	1 mm
$d_a$ - min.	35.6 mm
Ball - $D_w$	9.525 mm
$r_b$ - max.	0.3 mm
Minimum Buy Quantity	N/A
Calculation factor - f	1.05
$r_{3,4}$ - min.	0.3 mm
$r_{1,2}$ - min.	1 mm
Harmonized Tariff Code	8482.10.50.28
Basic dynamic load rating C	24.2 kN
Ball diameter $D_w$	9.525 mm
Basic dynamic load rating - C	24.2 kN
Preload class D $G_D$	720 N
Preload class C $G_C$	360 N
Preload class B $G_B$	180 N
Preload class A $G_A$	90 N
Preload class D - $G_D$	720 N
Preload class C - $G_C$	360 N
Preload class B - $G_B$	180 N
Preload class A - $G_A$	90 N
Calculation factor $f_0$	14

Calculation factor $f_1$	1
Fatigue load limit $P_u$	0.67 kN
Calculation factor - $f$	1
Calculation factor $f_{HC}$	1.01
Calculation factor $f_{2D}$	1.06
Calculation factor $f_{2C}$	1.03
Calculation factor $f_{2B}$	1.01
Calculation factor $f_{2A}$	1
Calculation factor - $f_0$	14
Limiting speed for oil lubrication	45000 mm/min
Fatigue load limit - $P_u$	0.67 kN
Calculation factor - $f_{2D}$	1.06
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{HC}$	1.01
Calculation factor - $f_{2B}$	1.01
Calculation factor - $f_{2C}$	1.03
Limiting speed for grease lubrication	32000 r/min
Basic static load rating $C_0$	16 kN
Static axial stiffness, preload class D	131 N/ $\mu$ m
Static axial stiffness, preload class B	65 N/ $\mu$ m
Static axial stiffness, preload class A	48 N/ $\mu$ m
Attainable speed for grease lubrication	32000 r/min
Static axial stiffness, preload class C	91 N/ $\mu$ m
Basic static load rating - $C_0$	16 kN

Attainable speed for oil-air lubrication	45000 r/min
Reference grease quantity $G_{ref}$	2.769 cm <sup>3</sup>