



Bearing No. 7207 CD/P4A

C	17 mm
a	15.7 mm
d	35 mm
D	72 mm
B	17 mm
dh	49,7 mm
D2	63,2 mm
d2	46,8 mm
D1	60,2 mm
d1	46,8 mm
Bore	1.378 Inch 35 Millimeter
Noun	Bearing
Width	0.669 Inch 17 Millimeter
db min	42 mm
UNSPSC	31171531
Weight	0,29 Kg
Db max	69,6 mm
rb max.	0,3 mm
ra max.	1 mm
Da max.	65 mm
da min.	42 mm
Preload	None
r4 min.	0,3 mm
r3 min.	0,3 mm
r2 min.	1,1 mm
r1 min.	1,1 mm
Category	Precision Ball Bearings
Size (mm)	35x72x17
Inventory	0.0

Enclosure	Open
Width (mm)	17
Mass bearing	0.28 kg
Flush Ground	No
Weight / LBS	0.648
d ₁	46.8 mm
Product Group	B04270
d ₂	46.8 mm
D ₁	60.2 mm
Contact Angle	15 Degree
d _n	49.7 mm
Raceway Style	1 Rib Outer Ring
Cage Material	Phenolic
Inch - Metric	Metric
Keyword String	Angular Contact Ball
Other Features	Single Row Angular Contact Super Precision High Capacity
Bearing number	7207 CD/P4A
Rolling Element	Ball Bearing
Material - Ball	Steel
Precision Class	ABEC 7 ISO P4
Manufacturer URL	http://www.skf.com
Outside Diameter	2.835 Inch 72 Millimeter
Long Description	35MM Bore; 72MM Outside Diameter; 17MM 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 Rac

Manufacturer Name	SKF
Number of balls z	13
Weight / Kilogram	0.294
Bore Diameter (mm)	35
d_a min.	42 mm
Number of Bearings	1 (Single)
r_b max.	0.3 mm
r_a max.	1 mm
D_b max.	69.6 mm
D_a max.	65 mm
d_b min.	42 mm
Outer Diameter (mm)	72
Calculation factor f	1.05
Minimum Buy Quantity	N/A
$r_{3,4}$ min.	0.3 mm
$r_{1,2}$ min.	1.1 mm
Harmonized Tariff Code	8482.10.50.28
Fatigue load limit (Pu)	0,915
(Oil) Lubrication Speed	34 000 r/min
Manufacturer Item Number	7207 CD/P4A
(Grease) Lubrication Speed	20 000 r/min
Basic dynamic load rating C	31.9 kN
Ball diameter D_w	11.112 mm
Preload class C G_C	480 N
Basic static load rating (C0)	21,6 kN
Preload class D G_D	960 N
Preload class A G_A	120 N
Basic dynamic load rating (C)	31,9 kN
Preload class B G_B	240 N

Calculation factor f_0	13.9
Calculation factor f_1	1
Fatigue load limit P_u	0.915 kN
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
Basic static load rating C_0	21.6 kN
Static axial stiffness, preload class B	67 N/ μ m
Static axial stiffness, preload class C	94 N/ μ m
Static axial stiffness, preload class D	136 N/ μ m
Attainable speed for grease lubrication	20000 r/min
Static axial stiffness, preload class A	50 N/ μ m
Attainable speed for oil- air lubrication	34000 r/min
Reference grease quantity G_{ref}	3.903 cm ³