



Bearing No. 7217 CD/P4A

C	28 mm
a	29.9 mm
d	85 mm
D	150 mm
B	28 mm
dh	111,5 mm
D2	- mm
d2	106,5 mm
D1	129,5 mm
d1	106,5 mm
Bore	3.346 Inch 85 Millimeter
Noun	Bearing
Width	1.102 Inch 28 Millimeter
db min	96 mm
UNSPSC	31171531
Weight	1,85 Kg
Db max	144,4 mm
rb max.	1 mm
ra max.	2 mm
Da max.	139 mm
da min.	96 mm
Preload	None
r4 min.	1 mm
r3 min.	1 mm
r2 min.	2 mm
r1 min.	2 mm
Category	Precision Ball Bearings
Size (mm)	85x150x28
Inventory	0.0

Enclosure	Open
Width (mm)	28
Mass bearing	1.86 kg
Flush Ground	No
Weight / LBS	4.171
d ₁	106.5 mm
Product Group	B04270
d ₂	106.5 mm
D ₁	129.5 mm
Contact Angle	15 Degree
d _n	111.5 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	7217 CD/P4A
Rolling Element	Ball Bearing
Material - Ball	Steel
Precision Class	ABEC 7 ISO P4
Manufacturer URL	http://www.skf.com
Outside Diameter	5.906 Inch 150 Millimeter
Long Description	85MM Bore; 150MM Outside Diameter; 28MM 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	17
Weight / Kilogram	1.89
Bore Diameter (mm)	85
d_a min.	96 mm
Number of Bearings	1 (Single)
r_b max.	1 mm
r_a max.	2 mm
D_b max.	144.4 mm
D_a max.	139 mm
d_b min.	96 mm
Outer Diameter (mm)	150
Calculation factor f	1.08
Minimum Buy Quantity	N/A
$r_{3,4}$ min.	1 mm
$r_{1,2}$ min.	2 mm
Harmonized Tariff Code	8482.10.50.28
(Oil) Lubrication Speed	15 000 r/min
Fatigue load limit (Pu)	3,45
Manufacturer Item Number	7217 CD/P4A
(Grease) Lubrication Speed	9 000 r/min
Basic dynamic load rating C	99.5 kN
Ball diameter D_w	19.05 mm
Preload class C G_C	1480 N
Basic static load rating (C0)	88 kN
Preload class D G_D	2960 N
Preload class A G_A	370 N
Basic dynamic load rating (C)	99,5 kN
Preload class B G_B	740 N

Calculation factor f_0	14.9
Calculation factor f_1	1
Fatigue load limit P_u	3.45 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	88 kN
Static axial stiffness, preload class B	139 N/ μ m
Static axial stiffness, preload class C	193 N/ μ m
Static axial stiffness, preload class D	278 N/ μ m
Attainable speed for grease lubrication	9000 r/min
Static axial stiffness, preload class A	102 N/ μ m
Attainable speed for oil- air lubrication	15000 r/min
Reference grease quantity G_{ref}	21.822 cm ³