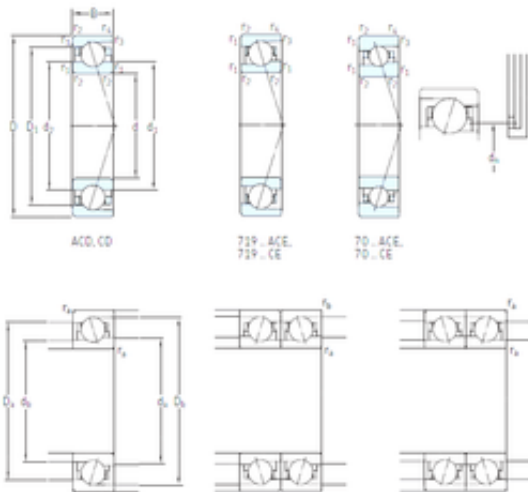




Bearing No. 7215 ACD/P4A

a	36.5 mm
d	75 mm
D	130 mm
B	25 mm
C	25 mm
D2	115,3 mm
D1	112,1 mm
dh	96,6 mm
d1	92,9 mm
d2	92,9 mm
Bore	2.953 Inch 75 Millimeter
Noun	Bearing
Width	0.984 Inch 25 Millimeter
UNSPSC	31171531
db min	84 mm
Db max	125,8 mm
Weight	1,2 Kg
r2 min.	1,5 mm
r4 min.	0,6 mm
r1 min.	1,5 mm
da min.	84 mm
Da max.	121 mm
ra max.	1,5 mm
rb max.	0,6 mm
r3 min.	0,6 mm
Preload	None
Category	Precision Ball Bearings
Inventory	0.0
Enclosure	Open

Size (mm)	75x130x25
Width (mm)	25
Flush Ground	No
Mass bearing	1.21 kg
D ₁	112.1 mm
d _n	96.6 mm
d ₂	92.9 mm
d ₁	92.9 mm
Cage Material	Phenolic
Raceway Style	1 Rib Outer Ring
Inch - Metric	Metric
Contact Angle	25 Degree
Product Group	B04270
Other Features	Single Row Angular Contact Super Precision High Capacity Basic Design
Keyword String	Ball Angular Contact
Bearing number	7215 ACD/P4A
Rolling Element	Ball Bearing
Precision Class	ABEC 7 ISO P4
Material - Ball	Steel
Long Description	75MM Bore; 130MM Outside Diameter; 25MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearing; 25 Degree Contact Angle; Phenolic Cage Material; 1 Rib Outer Ring Rac
Manufacturer URL	http://www.skf.com
Outside Diameter	5.118 Inch 130 Millimeter
Weight / Kilogram	0

Number of balls z	17
Manufacturer Name	SKF
r_b max.	0.6 mm
Bore Diameter (mm)	75
D_a max.	121 mm
d_b min.	84 mm
d_a min.	84 mm
D_b max.	125.8 mm
r_a max.	1.5 mm
Number of Bearings	1 (Single)
Outer Diameter (mm)	130
$r_{3,4}$ min.	0.6 mm
Calculation factor e	0.68
Calculation factor f	1.08
$r_{1,2}$ min.	1.5 mm
Minimum Buy Quantity	N/A
Harmonized Tariff Code	8482.10.50.28
(Oil) Lubrication Speed	15 000 r/min
Fatigue load limit (Pu)	2,5
(Grease) Lubrication Speed	9 000 r/min
Basic dynamic load rating C	68.9 kN
Ball diameter D_w	15.875 mm
Preload class B G_B	860 N
Basic static load rating (C0)	58,5 kN
Preload class D G_D	3440 N
Preload class C G_C	1720 N
Preload class A G_A	430 N
Basic dynamic load rating (C)	68,9 kN
Fatigue load limit P_u	2.5 kN

Calculation factor f_1	0.99
Calculation factor f_{2C}	1.02
Calculation factor f_{2A}	1
Calculation factor f_{2D}	1.05
Calculation factor f_{HC}	1
Calculation factor f_{2B}	1.01
Basic static load rating C_0	58.5 kN
Static axial stiffness, preload class D	487 N/ μ m
Static axial stiffness, preload class C	361 N/ μ m
Static axial stiffness, preload class A	211 N/ μ m
Attainable speed for grease lubrication	9000 r/min
Static axial stiffness, preload class B	274 N/ μ m
Attainable speed for oil- air lubrication	15000 r/min
Reference grease quantity G_{ref}	14.895 cm ³
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (single, tandem) Y_0	0.38
Calculation factor (single, tandem) X_2	0.41
Calculation factor (back- to-back, face-to-face) Y_1	0.92
Calculation factor (back- to-back, face-to-face) Y_2	1.41
Calculation factor (back- to-back, face-to-face) Y_0	0.76
Calculation factor (back- to-back, face-to-face) X_2	0.67