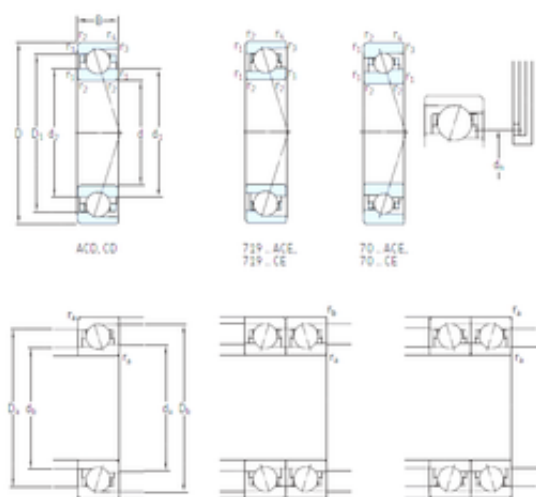




Bearing No. 7007 CD/P4A

C	14 mm
a	13.6 mm
d	35 mm
D	62 mm
B	14 mm
dh	45,3 mm
D2	55,6 mm
d2	43,7 mm
D1	53,3 mm
d1	43,7 mm
Bore	1.378 Inch 35 Millimeter
Noun	Bearing
Width	0.551 Inch 14 Millimeter
db min	39,6 mm
UNSPSC	31171531
Weight	0,15 Kg
Db max	60 mm
rb max.	0,3 mm
ra max.	1 mm
Da max.	57,4 mm
da min.	39,6 mm
Preload	None
r4 min.	0,3 mm
r3 min.	0,3 mm
r2 min.	1 mm
r1 min.	1 mm
Category	Precision Ball Bearings
Size (mm)	35x62x14
Inventory	0.0

Enclosure	Open
Width (mm)	14
Mass bearing	0.15 kg
Flush Ground	No
Weight / LBS	0.355
d ₁	43.7 mm
Product Group	B04270
d ₂	43.7 mm
D ₁	53.3 mm
Contact Angle	15 Degree
d _n	45.3 mm
Raceway Style	1 Rib Outer Ring
Cage Material	Phenolic
Inch - Metric	Metric
Keyword String	Angular Contact Ball
Other Features	Single Row Angular Contact High Precision
Bearing number	7007 CD/P4A
Rolling Element	Ball Bearing
Material - Ball	Steel
Precision Class	ABEC 7 ISO P4
Manufacturer URL	http://www.skf.com
Outside Diameter	2.441 Inch 62 Millimeter
Long Description	35MM Bore; 62MM Outside Diameter; 14MM 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	16

Weight / Kilogram	0.162
Bore Diameter (mm)	35
d_a min.	39.6 mm
Number of Bearings	1 (Single)
r_b max.	0.3 mm
r_a max.	1 mm
D_b max.	60 mm
D_a max.	57.4 mm
d_b min.	39.6 mm
Outer Diameter (mm)	62
Calculation factor f	1.06
Minimum Buy Quantity	N/A
$r_{3,4}$ min.	0.3 mm
$r_{1,2}$ min.	1 mm
Harmonized Tariff Code	8482.10.50.28
(Oil) Lubrication Speed	36 000 r/min
Fatigue load limit (Pu)	0,4
Manufacturer Item Number	7007 CD/P4A
(Grease) Lubrication Speed	24 000 r/min
Basic dynamic load rating C	15.6 kN
Ball diameter D_w	7.938 mm
Preload class C G_C	240 N
Basic static load rating (C0)	9,5 kN
Preload class D G_D	480 N
Preload class A G_A	60 N
Basic dynamic load rating (C)	15,6 kN
Preload class B G_B	120 N
Calculation factor f_0	9.7
Calculation factor f_1	1

Fatigue load limit P_u	0.4 kN
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05
Calculation factor f_{2D}	1.09
Calculation factor f_{HC}	1
Basic static load rating C_0	9.5 kN
Static axial stiffness, preload class B	47 N/ μ m
Static axial stiffness, preload class C	64 N/ μ m
Static axial stiffness, preload class D	90 N/ μ m
Attainable speed for grease lubrication	24000 r/min
Static axial stiffness, preload class A	36 N/ μ m
Attainable speed for oil-air lubrication	36000 r/min
Reference grease quantity G_{ref}	1.98 cm ³