



Bearing No. 7007 CE/P4A

a	13.5 mm
d	35 mm
D	62 mm
B	14 mm
C	14 mm
D2	54,9 mm
d1	43,7 mm
d2	41,6 mm
dh	45,6 mm
D1	54,9 mm
Noun	Bearing
Bore	1.378 Inch 35 Millimeter
Width	0.551 Inch 14 Millimeter
UNSPSC	31171531
Weight	0,15 Kg
Db max	57,8 mm
db min	39,6 mm
da min.	39,6 mm
Da max.	57,4 mm
Preload	None
ra max.	1 mm
rb max.	0,6 mm
r4 min.	0,6 mm
r3 min.	0,6 mm
r2 min.	1 mm
r1 min.	1 mm
Category	Precision Ball Bearings
Size (mm)	35x62x14
Enclosure	Open

Inventory	0.0
Width (mm)	14
Flush Ground	No
Mass bearing	0.15 kg
d ₁	43.7 mm
d ₂	41.6 mm
D ₁	52.25 mm
d _n	45.6 mm
Cage Material	Phenolic
Raceway Style	1 Rib Inner Ring and Outer Ring
Inch - Metric	Metric
Contact Angle	15 Degree
Product Group	B04270
Keyword String	Ball Angular Contact
Other Features	Single Row Angular Contact High Speed E Design
Bearing number	7007 CE/P4A
Rolling Element	Ball Bearing
Precision Class	ABEC 7 ISO P4
Material - Ball	Steel
Long Description	35MM Bore; 62MM Outside Diameter; 14MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearing; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Inner Ring and
Manufacturer URL	http://www.skf.com
Outside Diameter	2.441 Inch 62 Millimeter
Number of balls z	17

Manufacturer Name	SKF
Weight / Kilogram	0
d_a min.	39.6 mm
Bore Diameter (mm)	35
r_a max.	1 mm
Number of Bearings	1 (Single)
D_a max.	57.4 mm
d_b min.	39.6 mm
r_b max.	0.6 mm
D_b max.	57.8 mm
Outer Diameter (mm)	62
Calculation factor f	1.06
$r_{3,4}$ min.	0.6 mm
$r_{1,2}$ min.	1 mm
Minimum Buy Quantity	N/A
Harmonized Tariff Code	8482.10.50.28
(Oil) Lubrication Speed	50 000 r/min
Fatigue load limit (Pu)	0,28
(Grease) Lubrication Speed	34 000 r/min
Ball diameter D_w	7.144 mm
Basic dynamic load rating C	11.4 kN
Preload class C G_C	370 N
Preload class B G_B	180 N
Basic static load rating (C0)	6,55 kN
Basic dynamic load rating (C)	11,4 kN
Preload class A G_A	60 N
Fatigue load limit P_u	0.28 kN
Calculation factor f_1	1
Calculation factor f_0	7.9

Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1
Basic static load rating C_0	6.55 kN
Static axial stiffness, preload class A	31 N/ μ m
Attainable speed for grease lubrication	34000 r/min
Static axial stiffness, preload class B	49 N/ μ m
Static axial stiffness, preload class C	67 N/ μ m
Attainable speed for oil- air lubrication	50000 r/min
Reference grease quantity G_{ref}	2.4 cm ³