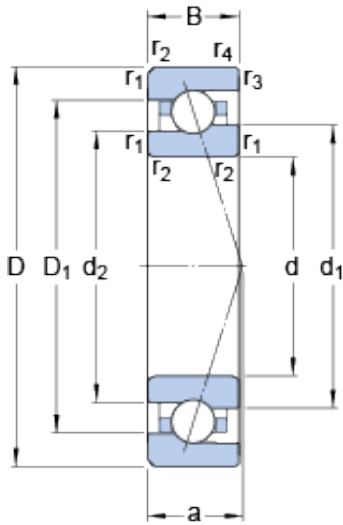




AURORA Bearing Supply Co., Ltd.



40 mm x 68 mm x 15 mm SKF 7008 CE/P4A angular contact ball bearings

Bearing No. 7008 CE/P4A

7008 CE/P4A Bearing 2D drawings and 3D CAD models

Size	68x40x15 mm
Bore Diameter	68 mm
Outer Diameter	40 mm
Width	15 mm
d	40 mm
D	68 mm
B	15 mm
d ₁	49.7 mm
d ₂	47.6 mm
D ₁	58.25 mm
r _{1,2} - min.	1 mm
r _{3,4} - min.	0.6 mm
a	14.8 mm
d _a - min.	44.6 mm
d _b - min.	44.6 mm
D _a - max.	63.4 mm
D _b - max.	63.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
d _n	51.6 mm
Basic dynamic load rating - C	12.4 kN
Basic static load rating - C ₀	7.6 kN
Fatigue load limit - P _u	0.32 kN
Limiting speed for grease	30000 r/min



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Lubrication	
Limiting speed for oil lubrication	45000 mm/min
Ball - D_w	7.144 mm
Ball - z	19
G_{ref}	2.8 cm3
Calculation factor - f_0	8.1
Preload class A - G_A	65 N
Preload class B - G_B	200 N
Preload class C - G_C	390 N
Calculation factor - f	1.06
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.03
Calculation factor - f_{2C}	1.05
Calculation factor - f_{HC}	1
Preload class A	34 N/micron
Preload class B	54 N/micron
Preload class C	73 N/micron
Category	Precision Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.204
Product Group	B04270
Enclosure	Open
Precision Class	ABEC 7 ISO P4
Material - Ball	Steel
Number of Bearings	1 (Single)
Contact Angle	15 Degree
Preload	None



AURORA Bearing Supply Co., Ltd.

Raceway Style	1 Rib Inner Ring and Outer Ring
Cage Material	Phenolic
Rolling Element	Ball Bearing
Flush Ground	No
Inch - Metric	Metric
Other Features	Single Row Angular Contact High Precision
Long Description	40MM Bore; 68MM Outside Diameter; 15MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearings; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Inner Ring and
Category	Precision Ball Bearings
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact Ball
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	7008 CE/P4A
Weight / LBS	0.45
Outside Diameter	2.677 Inch 68 Millimeter
Bore	1.575 Inch 40 Millimeter
Width	0.591 Inch 15 Millimeter
d ₁	49.7 mm
d ₂	47.6 mm
D ₁	58.25 mm
r _{1,2} min.	1 mm
r _{3,4} min.	0.6 mm
d _a min.	44.6 mm
d _b min.	44.6 mm



AURORA Bearing Supply Co., Ltd.

D_a max.	63.4 mm
D_b max.	63.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
d_n	51.6 mm
Basic dynamic load rating C	12.4 kN
Basic static load rating C_0	7.65 kN
Fatigue load limit P_u	0.32 kN
Attainable speed for grease lubrication	30000 r/min
Attainable speed for oil-air lubrication	45000 r/min
Ball diameter D_w	7.144 mm
Number of balls z	19
Reference grease quantity G_{ref}	2.8 cm ³
Preload class A G_A	65 N
Static axial stiffness, preload class A	34 N/ μ m
Preload class B G_B	200 N
Static axial stiffness, preload class B	54 N/ μ m
Preload class C G_C	390 N
Static axial stiffness, preload class C	73 N/ μ m
Calculation factor f	1.06
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1
Calculation factor f_0	8.1
Mass bearing	0.19 kg