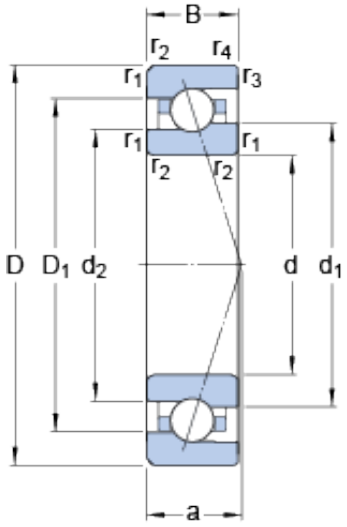
Loyal | 7008 CE/P4A



Bearing No. 7008 CE/P4A

a	14.8 mm
d	40 mm
D	68 mm
B	15 mm
Noun	Bearing
Bore	1.575 Inch | 40 Millimeter
Width	0.591 Inch | 15 Millimeter
UNSPSC	31171531
Preload	None
Ball - z	19
Category	Precision Ball Bearings
Size (mm)	68x40x15
Enclosure	Open
Inventory	0.0
Width (mm)	15
Weight / LBS	0.45
Flush Ground	No
Mass bearing	0.19 kg
d_1	49.7 mm
d_2	47.6 mm
D_1	58.25 mm
Inch - Metric	Metric
Cage Material	Phenolic
Raceway Style	1 Rib Inner Ring and Outer Ring
d_n	51.6 mm
Product Group	B04270
Contact Angle	15 Degree
d_1	49.7 mm

d_n	51.6 mm
D_1	58.25 mm
d_2	47.6 mm
Bearing number	7008 CE/P4A
Keyword String	Angular Contact Ball
Other Features	Single Row | Angular Contact | High Precision
Precision Class	ABEC 7 | ISO P4
Rolling Element	Ball Bearing
G_{ref}	2.8 cm3
Preload class A	34 N/micron
Preload class B	54 N/micron
Preload class C	73 N/micron
Material - Ball	Steel
Manufacturer URL	http://www.skf.com
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
Outside Diameter	2.677 Inch | 68 Millimeter
Number of balls z	19
Manufacturer Name	SKF
Weight / Kilogram	0.204
D_b max.	63.8 mm
Number of Bearings	1 (Single)
r_b max.	0.6 mm
Bore Diameter (mm)	68
D_a max.	63.4 mm

r_a max.	1 mm
d_a min.	44.6 mm
d_b min.	44.6 mm
Outer Diameter (mm)	40
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.6 mm
Calculation factor f	1.06
d_a - min.	44.6 mm
Ball - D_w	7.144 mm
d_b - min.	44.6 mm
Minimum Buy Quantity	N/A
D_a - max.	63.4 mm
D_b - max.	63.8 mm
r_a - max.	1 mm
r_b - max.	0.6 mm
$r_{3,4}$ - min.	0.6 mm
Harmonized Tariff Code	8482.10.50.28
$r_{1,2}$ - min.	1 mm
Calculation factor - f	1.06
Manufacturer Item Number	7008 CE/P4A
Basic dynamic load rating C	12.4 kN
Ball diameter D_w	7.144 mm
Preload class A G_A	65 N
Basic dynamic load rating - C	12.4 kN
Preload class C G_C	390 N
Preload class B G_B	200 N
Preload class A - G_A	65 N
Preload class C - G_C	390 N
Preload class B - G_B	200 N

Calculation factor f_0	8.1
Fatigue load limit P_u	0.32 kN
Calculation factor f_1	1
Calculation factor f_{HC}	1
Calculation factor f_{2C}	1.05
Calculation factor - f	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2A}	1
Calculation factor - f_0	8.1
Limiting speed for oil lubrication	45000 mm/min
Fatigue load limit - P_u	0.32 kN
Calculation factor - f_{2A}	1
Calculation factor - f_{HC}	1
Calculation factor - f_{2B}	1.03
Calculation factor - f_{2C}	1.05
Limiting speed for grease lubrication	30000 r/min
Basic static load rating C_0	7.65 kN
Static axial stiffness, preload class A	34 N/µm
Static axial stiffness, preload class B	54 N/µm
Static axial stiffness, preload class C	73 N/µm
Attainable speed for grease lubrication	30000 r/min
Attainable speed for oil-air lubrication	45000 r/min
Basic static load rating - C_0	7.6 kN
Reference grease quantity G_{ref}	2.8 cm³