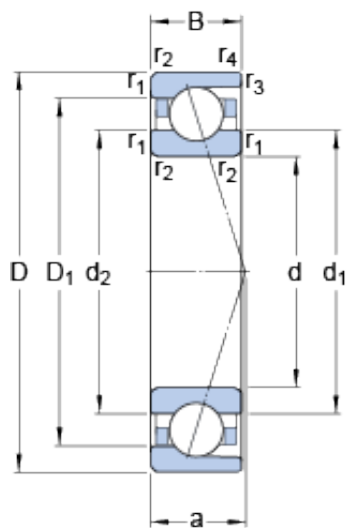




Bearing No. 7008 ACD/P4A

D	68 mm
a	20.2 mm
B	15 mm
d	40 mm
Noun	Bearing
Bore	1.575 Inch 40 Millimeter
Width	0.591 Inch 15 Millimeter
UNSPSC	31171531
series:	70
Preload	None
Ball - z	18
Category	Precision Ball Bearings
Size (mm)	68x40x15
Enclosure	Open
Inventory	0.0
Width (mm)	15
duplex type:	Duplex Universal
Weight / LBS	0.445
Flush Ground	No
Mass bearing	0.19 kg
d _n	50.8 mm
Product Group	B04270
Raceway Style	1 Rib Outer Ring
Cage Material	Phenolic
Inch - Metric	Metric
D ₁	58.8 mm
d ₂	49.2 mm
d ₁	49.2 mm

Contact Angle	25 Degree
closure type:	Open
d ₁	49.2 mm
d ₂	49.2 mm
D ₁	58.8 mm
d _n	50.8 mm
contact angle:	25 °
cage material:	Cotton Fabric Reinforced Phenolic
bore diameter:	40 mm
fillet radius:	1 mm
Keyword String	Angular Contact Ball
Other Features	Single Row Angular Contact High Precision
overall width:	15 mm
Bearing number	7008 ACD/P4A
Precision Class	ABEC 7 ISO P4
Preload class A	96 N/micron
Preload class B	124 N/micron
Preload class C	162 N/micron
Preload class D	214 N/micron
Rolling Element	Ball Bearing
G _{ref}	2.4 cm3
Material - Ball	Steel
Manufacturer URL	http://www.skf.com
Outside Diameter	2.677 Inch 68 Millimeter
Long Description	40MM Bore; 68MM Outside Diameter; 15MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearings; 25 Degree Contact Angle; Phenolic

	Cage Material; 1 Rib Outer Ring Rac
bearing material:	Steel
precision rating:	P4
outside diameter:	68 mm
Weight / Kilogram	0.2
Manufacturer Name	SKF
Number of balls z	18
d _b min.	44.6 mm
d _a min.	44.6 mm
D _b max.	66 mm
r _a max.	1 mm
maximum rpm (oil):	30000 rpm
r _b max.	0.3 mm
D _a max.	63.4 mm
Bore Diameter (mm)	68
Number of Bearings	1 (Single)
Outer Diameter (mm)	40
d _b - min.	44.6 mm
Minimum Buy Quantity	N/A
r _{1,2} min.	1 mm
D _b - max.	66 mm
r _b - max.	0.3 mm
r _a - max.	1 mm
Ball - D _w	7.938 mm
Calculation factor e	0.68
d _a - min.	44.6 mm
Calculation factor f	1.06
D _a - max.	63.4 mm
r _{3,4} min.	0.3 mm
maximum rpm (grease):	19000 rpm
r _{1,2} - min.	1 mm

Harmonized Tariff Code	8482.10.50.28
Calculation factor - f	1.06
Calculation factor - e	0.68
$r_{3,4}$ - min.	0.3 mm
manufacturer upc number:	7316570704808
Manufacturer Item Number	7008 ACD/P4A
manufacturer product page:	Click here
Basic dynamic load rating C	15.9 kN
Ball diameter D_w	7.938 mm
radial static load capacity:	10.4 kN
operating temperature range:	300 °F
Preload class D G_D	800 N
Preload class A G_A	100 N
Preload class C G_C	400 N
radial dynamic load capacity:	15.9 kN
Preload class B G_B	200 N
Basic dynamic load rating - C	15.9 kN
Preload class C - G_C	400 N
Preload class B - G_B	200 N
Preload class D - G_D	800 N
Preload class A - G_A	100 N
Calculation factor f_1	0.99
Fatigue load limit P_u	0.44 kN
Calculation factor f_{2B}	1.02
Calculation factor f_{2A}	1
Calculation factor f_{2D}	1.08

Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1
Calculation factor - X_2	0.67
Fatigue load limit - P_u	0.44 kN
Calculation factor - Y_0	0.76
Calculation factor - Y_2	1.41
Calculation factor - Y_1	0.92
Calculation factor - f_1	0.99
Limiting speed for oil lubrication	30000 mm/min
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.05
Calculation factor - f_{HC}	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2D}	1.08
Limiting speed for grease lubrication	19000 r/min
Basic static load rating C_0	10.4 kN
Static axial stiffness, preload class D	214 N/ μ m
Attainable speed for grease lubrication	19000 r/min
Static axial stiffness, preload class A	96 N/ μ m
Static axial stiffness, preload class C	162 N/ μ m
Static axial stiffness, preload class B	124 N/ μ m
Attainable speed for oil-air lubrication	30000 r/min
Basic static load rating - C_0	10.4 kN

Reference grease quantity G_{ref}	2.4 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