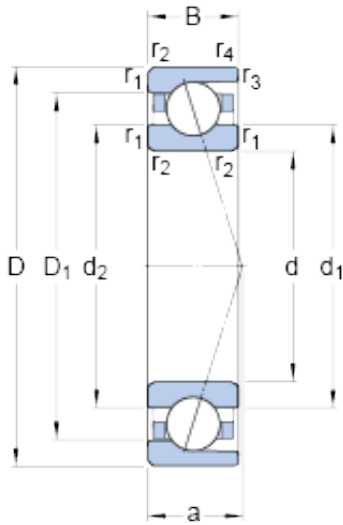




Shandong Zhongyue Precision Bearing C...



71948 CD/P4A Bearing 2D drawings and 3D CAD models

240 mm x 320 mm x 38 mm SKF 71948
CD/P4A angular contact ball bearings

Bearing No. 71948 CD/P4A

Size	320x240x38 mm
Bore Diameter	320 mm
Outer Diameter	240 mm
Width	38 mm
d	240 mm
D	320 mm
B	38 mm
d ₁	264.7 mm
d ₂	264.7 mm
D ₁	295.3 mm
r _{1,2} - min.	2.1 mm
r _{3,4} - min.	1 mm
a	56.6 mm
d _a - min.	251 mm
d _b - min.	251 mm
D _a - max.	309 mm
D _b - max.	315 mm
r _a - max.	2 mm
r _b - max.	1 mm
d _n	271.4 mm
Basic dynamic load rating - C	229 kN
Basic static load rating - C ₀	325 kN
Fatigue load limit - P _u	8.2 kN
Limiting speed for grease	3800 r/min



Shandong Zhongyue Precision Bearing C...

Lubrication	
Limiting speed for oil lubrication	5600 mm/min
Ball - D_w	25.4 mm
Ball - z	31
G_{ref}	93 cm ³
Calculation factor - f_0	16.7
Preload class A - G_A	860 N
Preload class B - G_B	1720 N
Preload class C - G_C	3440 N
Preload class D - G_D	6880 N
Calculation factor - f	1.32
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.04
Calculation factor - f_{2C}	1.09
Calculation factor - f_{2D}	1.15
Calculation factor - f_{HC}	1
Preload class A	237 N/micron
Preload class B	325 N/micron
Preload class C	461 N/micron
Preload class D	678 N/micron
Category	Precision Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0
EAN	7316570963427
Product Group	B04270
Enclosure	Open



Shandong Zhongyue Precision Bearing C...

Precision Class	ABEC 7 ISO P4
Material - Ball	Steel
Number of Bearings	1 (Single)
Contact Angle	15 Degree
Preload	None
Raceway Style	1 Rib Outer Ring
Cage Material	Phenolic
Rolling Element	Ball Bearing
Flush Ground	No
Inch - Metric	Metric
Other Features	Single Row Angular Contact High Capacity Basic Design
Long Description	240MM Bore; 320MM Outside Diameter; 38MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearing; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Outer Ring Ra
Category	Precision Ball Bearings
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Ball Angular Contact
Manufacturer URL	http://www.skf.com
Outside Diameter	12.598 Inch 320 Millimeter
Bore	9.449 Inch 240 Millimeter
Width	1.496 Inch 38 Millimeter
d ₁	264.7 mm
d ₂	264.7 mm
D ₁	295.3 mm
r _{1,2} min.	2.1 mm



Shandong Zhongyue Precision Bearing C...

$r_{3,4}$ min.	1 mm
d_a min.	251 mm
d_b min.	251 mm
D_a max.	309 mm
D_b max.	315 mm
r_a max.	2 mm
r_b max.	1 mm
d_n	271.4 mm
Basic dynamic load rating C	229 kN
Basic static load rating C_0	325 kN
Fatigue load limit P_u	8.15 kN
Attainable speed for grease lubrication	3800 r/min
Attainable speed for oil-air lubrication	5600 r/min
Ball diameter D_w	25.4 mm
Number of balls z	31
Reference grease quantity G_{ref}	93 cm ³
Preload class A G_A	860 N
Static axial stiffness, preload class A	237 N/ μ m
Preload class B G_B	1720 N
Static axial stiffness, preload class B	325 N/ μ m
Preload class C G_C	3440 N
Static axial stiffness, preload class C	461 N/ μ m
Preload class D G_D	6880 N
Static axial stiffness, preload class D	678 N/ μ m
Calculation factor f	1.32
Calculation factor f_1	1
Calculation factor f_{2A}	1



Shandong Zhongyue Precision Bearing C...

Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.09
Calculation factor f_{2D}	1.15
Calculation factor f_{HC}	1
Calculation factor f_0	16.7
Mass bearing	8.5 kg