



Jinan Kaiming Bearing Co., Ltd.



15 mm x 24 mm x 5 mm SKF 71802 CD/P4 angular contact ball bearings

Bearing No. 71802 CD/P4

71802 CD/P4 Bearing 2D drawings and 3D CAD models

Size	24x15x5 mm
Bore Diameter	24 mm
Outer Diameter	15 mm
Width	5 mm
d	15 mm
D	24 mm
B	5 mm
d ₁	18.1 mm
d ₂	18.1 mm
D ₁	21.1 mm
r _{1,2} - min.	0.3 mm
r _{3,4} - min.	0.15 mm
a	5.1 mm
d _a - min.	17 mm
d _b - min.	17 mm
D _a - max.	22 mm
D _b - max.	23.2 mm
r _a - max.	0.3 mm
r _b - max.	0.15 mm
d _n	18.4 mm
Basic dynamic load rating - C	2.3 kN
Basic static load rating - C ₀	1.5 kN
Fatigue load limit - P _u	0.063 kN
Limiting speed for grease	60000 r/min



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Lubrication	
Limiting speed for oil lubrication	90000 mm/min
Ball - D_w	2.381 mm
Ball - z	17
G_{ref}	0.08 cm ³
Calculation factor - f_0	16
Preload class A - G_A	12 N
Preload class B - G_B	36 N
Preload class C - G_C	72 N
Calculation factor - f	1.08
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.09
Calculation factor - f_{2C}	1.16
Calculation factor - f_{HC}	1
Preload class A	17 N/micron
Preload class B	30 N/micron
Preload class C	43 N/micron
Category	Precision Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.013
EAN	7316574346158
Product Group	B04270
Enclosure	Open
Precision Class	ABEC 7 ISO P4
Material - Ball	Steel
Number of Bearings	1 (Single)
Contact Angle	15 Degree



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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 Super Precision
Long Description	15MM Bore; 24MM Outside Diameter; 5MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearings; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Outer Ring Race
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	71802 CD/P4
Weight / LBS	0.028
Bore	0.591 Inch 15 Millimeter
Width	0.197 Inch 5 Millimeter
Outside Diameter	0.945 Inch 24 Millimeter
d_1	18.1 mm
d_2	18.1 mm
D_1	21.1 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.15 mm
d_a min.	17 mm
d_b min.	17 mm



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D_a max.	22 mm
D_b max.	23.2 mm
r_a max.	0.3 mm
r_b max.	0.15 mm
d_n	18.4 mm
Basic dynamic load rating C	2.29 kN
Basic static load rating C_0	1.5 kN
Fatigue load limit P_u	0.063 kN
Attainable speed for grease lubrication	60000 r/min
Attainable speed for oil-air lubrication	90000 r/min
Ball diameter D_w	2.381 mm
Number of balls z	17
Reference grease quantity G_{ref}	0.08 cm ³
Preload class A G_A	12 N
Static axial stiffness, preload class A	17 N/ μ m
Preload class B G_B	36 N
Static axial stiffness, preload class B	30 N/ μ m
Preload class C G_C	72 N
Static axial stiffness, preload class C	43 N/ μ m
Calculation factor f	1.08
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.09
Calculation factor f_{2C}	1.16
Calculation factor f_{HC}	1
Calculation factor f_0	16
Mass bearing	0.007 kg