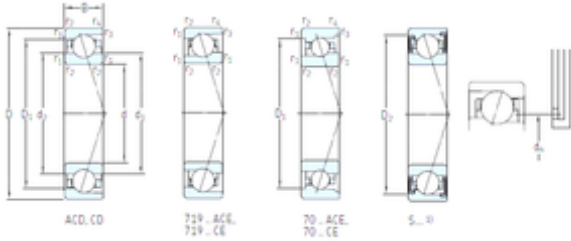


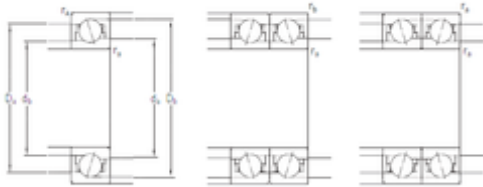


NTN BEARING CORP.OF AMERICA



80 mm x 110 mm x 16 mm SKF S71916
CD/P4A angular contact ball bearings

Bearing No. S71916 CD/P4A



S71916 CD/P4A Bearing 2D drawings and 3D CAD models

Size	80x110x16 mm
Bore Diameter	80 mm
Outer Diameter	110 mm
Width	16 mm
d	80 mm
D	110 mm
B	16 mm
C	16 mm
d1	89,2 mm
d2	89,2 mm
r1 min.	1 mm
r2 min.	1 mm
r3 min.	0,3 mm
r4 min.	0,3 mm
D1	100,8 mm
D2	103,7 mm
da min.	84,6 mm
Da max.	105 mm
db min	84,6 mm
ra max.	1 mm
rb max.	0,3 mm
dh	91,7 mm
Db max	108 mm
Weight	0,37 Kg
Basic dynamic load rating (C)	36,4 kN



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Basic static load rating (C0)	39 kN
(Grease) Lubrication Speed	11 000 r/min
(Oil) Lubrication Speed	18 000 r/min
Fatigue load limit (Pu)	1,66
Category	Precision Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0
Product Group	B04270
Enclosure	2 Seals
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
Enclosure Type	Non Contact Seal
Flush Ground	No
Inch - Metric	Metric
Other Features	Single Row Angular Contact High Capacity Basic Design Corrosion Resistant Ball
Long Description	80MM Bore; 110MM Outside Diameter; 16MM Width; 2 Seals Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearing; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Outer Ring
Category	Precision Ball Bearings



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UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Ball Angular Contact
Manufacturer URL	http://www.skf.com
Width	0.63 Inch 16 Millimeter
Bore	3.15 Inch 80 Millimeter
Outside Diameter	4.331 Inch 110 Millimeter
d_1	89.2 mm
d_2	89.2 mm
D_2	103.74 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.3 mm
a	20.8 mm
d_a min.	84.6 mm
d_a max.	88.6 mm
d_b min.	84.6 mm
d_b max.	88.6 mm
D_a max.	105 mm
D_b max.	108 mm
r_a max.	1 mm
r_b max.	0.3 mm
Basic dynamic load rating C	36.4 kN
Basic static load rating C_0	39 kN
Fatigue load limit P_u	1.66 kN
Attainable speed for grease lubrication	11000 r/min
Ball diameter D_w	9.525 mm
Number of balls z	27
Preload class A G_A	140 N
Static axial stiffness, preload class A	85 N/ μ m
Preload class B G_B	280 N



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Static axial stiffness, preload class B	117 N/ μ m
Preload class C G_C	560 N
Static axial stiffness, preload class C	167 N/ μ m
Preload class D G_D	1120 N
Static axial stiffness, preload class D	246 N/ μ m
Calculation factor f	1.24
Calculation factor f_1	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
Calculation factor f_0	16.5
Mass bearing	0.38 kg