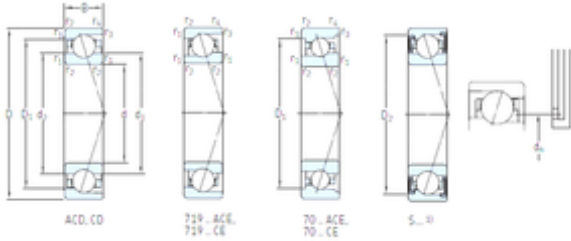


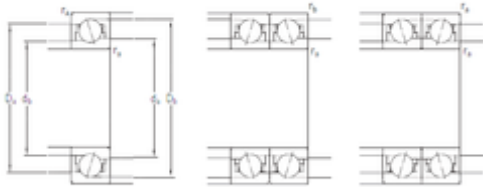


NTN Bearing Rolamentos do Brasil Ltda.



50 mm x 72 mm x 12 mm skf S71910 ACD/P4A
Super-precision Angular contact ball bearings

Bearing No. S71910 ACD/P4A



S71910 ACD/P4A Bearing 2D drawings and 3D CAD models

Size	50x72x12 mm
Bore Diameter	50 mm
Outer Diameter	72 mm
Width	12 mm
d	50 mm
D	72 mm
B	12 mm
C	12 mm
d1	57,1 mm
d2	57,1 mm
r1 min.	0,6 mm
r2 min.	0,6 mm
r3 min.	0,3 mm
r4 min.	0,3 mm
D1	64,9 mm
D2	67,1 mm
da min.	53,2 mm
Da max.	68,8 mm
db min	53,2 mm
ra max.	0,6 mm
rb max.	0,3 mm
dh	58,7 mm
Db max	70,6 mm
Weight	0,13 Kg
Basic dynamic load rating (C)	12,7 kN



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Basic static load rating (C0)	9,8 kN
(Grease) Lubrication Speed	16 000 r/min
(Oil) Lubrication Speed	26 000 r/min
Fatigue load limit (Pu)	0,415
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	25 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
Long Description	50MM Bore; 72MM Outside Diameter; 12MM Width; 2 Seals Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearing; 25 Degree Contact Angle; Phenolic Cage Material; 1 Rib Outer Ring R
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
Bore	1.969 Inch 50 Millimeter
Width	0.472 Inch 12 Millimeter
Outside Diameter	2.835 Inch 72 Millimeter
d_1	57.1 mm
d_2	57.1 mm
D_2	67.12 mm
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
a	20.3 mm
d_a min.	53.2 mm
d_a max.	56.6 mm
d_b min.	53.2 mm
d_b max.	56.6 mm
D_a max.	68.8 mm
D_b max.	70.6 mm
r_a max.	0.6 mm
r_b max.	0.3 mm
Basic dynamic load rating C	12.7 kN
Basic static load rating C_0	9.8 kN
Fatigue load limit P_u	0.415 kN
Attainable speed for grease lubrication	16000 r/min
Ball diameter D_w	6.35 mm
Number of balls z	25
Preload class A G_A	80 N
Static axial stiffness, preload class A	105 N/ μ m
Preload class B G_B	160 N



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Static axial stiffness, preload class B	137 N/ μ m
Preload class C G_C	320 N
Static axial stiffness, preload class C	180 N/ μ m
Preload class D G_D	640 N
Static axial stiffness, preload class D	240 N/ μ m
Calculation factor f	1.13
Calculation factor f_1	0.98
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.08
Calculation factor f_{2D}	1.14
Calculation factor f_{HC}	1
Calculation factor e	0.68
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
Mass bearing	0.14 kg