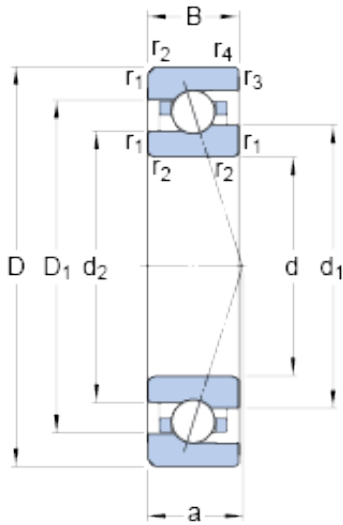




KOYO MANUFACTURING (THAILAND) CO., LTD.



80 mm x 125 mm x 22 mm SKF 7016 CE/HCP4A angular contact ball bearings

Bearing No. 7016 CE/HCP4A

7016 CE/HCP4A Bearing 2D drawings and 3D CAD models

Size	125x80x22 mm
Bore Diameter	125 mm
Outer Diameter	80 mm
Width	22 mm
d	80 mm
D	125 mm
B	22 mm
d ₁	95.83 mm
d ₂	93 mm
D ₁	109.17 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
a	24.9 mm
d _a - min.	86 mm
d _b - min.	86 mm
D _a - max.	119 mm
D _b - max.	120.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
d _n	98.5 mm
Basic dynamic load rating - C	33.8 kN
Basic static load rating - C ₀	28 kN
Fatigue load limit - P _u	1.2 kN
Limiting speed for grease	17500 r/min



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Lubrication	
Limiting speed for oil lubrication	27000 mm/min
Ball - D_w	11.112 mm
Ball - z	25
G_{ref}	12 cm3
Calculation factor - f_0	9.4
Preload class A - G_A	180 N
Preload class B - G_B	550 N
Preload class C - G_C	1090 N
Calculation factor - f	1.1
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.03
Calculation factor - f_{2C}	1.05
Calculation factor - f_{HC}	1.01
Preload class A	80 N/micron
Preload class B	127 N/micron
Preload class C	174 N/micron
Category	Precision Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0
Product Group	B04270
Enclosure	Open
Precision Class	ABEC 7 ISO P4
Material - Ball	Ceramic
Number of Bearings	1 (Single)
Contact Angle	15 Degree
Preload	None



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Raceway Style	1 Rib Inner Ring and Outer Ring
Cage Material	Phenolic
Rolling Element	Ball Bearing
Flush Ground	No
Inch - Metric	Metric
Other Features	Single Row Angular Contact High Speed E Design
Long Description	80MM Bore; 125MM Outside Diameter; 22MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Ceramic Ball Material; 1 (Single) Bearing; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Inner Ring a
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
Width	0.866 Inch 22 Millimeter
Bore	3.15 Inch 80 Millimeter
Outside Diameter	4.921 Inch 125 Millimeter
d_1	95.83 mm
d_2	93 mm
D_1	109.17 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	86 mm
d_b min.	86 mm
D_a max.	119 mm
D_b max.	120.8 mm



KOYO MANUFACTURING (THAILAND)CO.,LTD.

r_a max.	1 mm
r_b max.	0.6 mm
d_n	98.5 mm
Basic dynamic load rating C	33.8 kN
Basic static load rating C_0	28 kN
Fatigue load limit P_u	1.18 kN
Attainable speed for grease lubrication	17500 r/min
Attainable speed for oil-air lubrication	27000 r/min
Ball diameter D_w	11.112 mm
Number of balls z	25
Reference grease quantity G_{ref}	12 cm ³
Preload class A G_A	180 N
Static axial stiffness, preload class A	80 N/ μ m
Preload class B G_B	550 N
Static axial stiffness, preload class B	127 N/ μ m
Preload class C G_C	1090 N
Static axial stiffness, preload class C	174 N/ μ m
Calculation factor f	1.1
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1.01
Calculation factor f_0	9.4
Mass bearing	0.77 kg