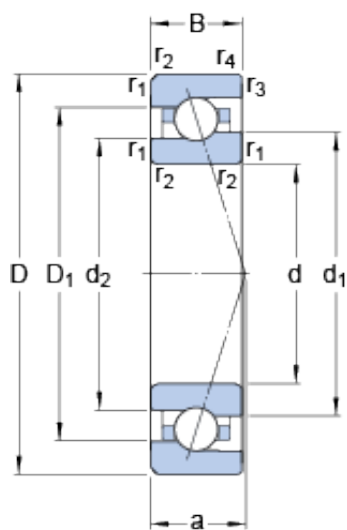




Bearing No. 7016 CE/HCP4A

D	125 mm
d	80 mm
B	22 mm
a	24.9 mm
Noun	Bearing
Bore	3.15 Inch 80 Millimeter
Width	0.866 Inch 22 Millimeter
UNSPSC	31171531
Preload	None
Category	Precision Ball Bearings
Ball - z	25
Inventory	0.0
Enclosure	Open
Size (mm)	125x80x22
Width (mm)	22
Flush Ground	No
Mass bearing	0.77 kg
d ₁	95.83 mm
d ₂	93 mm
d _n	98.5 mm
Inch - Metric	Metric
D ₁	109.17 mm
Cage Material	Phenolic
Raceway Style	1 Rib Inner Ring and Outer Ring
d ₂	93 mm
Contact Angle	15 Degree
d ₁	95.83 mm
D ₁	109.17 mm

d _n	98.5 mm
Product Group	B04270
Other Features	Single Row Angular Contact High Speed E Design
Keyword String	Ball Angular Contact
Bearing number	7016 CE/HCP4A
Rolling Element	Ball Bearing
G _{ref}	12 cm3
Material - Ball	Ceramic
Precision Class	ABEC 7 ISO P4
Preload class A	80 N/micron
Preload class B	127 N/micron
Preload class C	174 N/micron
Outside Diameter	4.921 Inch 125 Millimeter
Manufacturer URL	http://www.skf.com
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
Manufacturer Name	SKF
Weight / Kilogram	0
Number of balls z	25
D _b max.	120.8 mm
d _b min.	86 mm
d _a min.	86 mm
r _a max.	1 mm
r _b max.	0.6 mm
Bore Diameter (mm)	125

D _a max.	119 mm
Number of Bearings	1 (Single)
Outer Diameter (mm)	80
r _{1,2} min.	1.1 mm
Calculation factor f	1.1
Minimum Buy Quantity	N/A
r _{3,4} min.	0.6 mm
r _b - max.	0.6 mm
Ball - D _w	11.112 mm
r _a - max.	1 mm
D _b - max.	120.8 mm
D _a - max.	119 mm
d _b - min.	86 mm
d _a - min.	86 mm
r _{3,4} - min.	0.6 mm
r _{1,2} - min.	1.1 mm
Calculation factor - f	1.1
Harmonized Tariff Code	8482.10.50.28
Ball diameter D _w	11.112 mm
Basic dynamic load rating C	33.8 kN
Preload class A G _A	180 N
Preload class B G _B	550 N
Basic dynamic load rating - C	33.8 kN
Preload class C G _C	1090 N
Preload class A - G _A	180 N
Preload class B - G _B	550 N
Preload class C - G _C	1090 N
Fatigue load limit P _u	1.18 kN
Calculation factor f ₀	9.4
Calculation factor f ₁	1

Calculation factor f_{2A}	1
Calculation factor - f	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
Limiting speed for oil lubrication	27000 mm/min
Fatigue load limit - P_u	1.2 kN
Calculation factor - f_{HC}	1.01
Calculation factor - f_{2B}	1.03
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Limiting speed for grease lubrication	17500 r/min
Basic static load rating C_0	28 kN
Static axial stiffness, preload class A	80 N/ μ m
Static axial stiffness, preload class B	127 N/ μ m
Static axial stiffness, preload class C	174 N/ μ m
Attainable speed for grease lubrication	17500 r/min
Attainable speed for oil-air lubrication	27000 r/min
Basic static load rating - C_0	28 kN
Reference grease quantity G_{ref}	12 cm ³