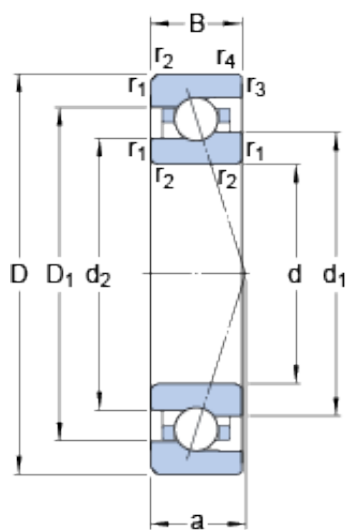




Bearing No. 7016 CE/P4A

a	24.9 mm
d	80 mm
D	125 mm
B	22 mm
Bore	3.15 Inch 80 Millimeter
Noun	Bearing
Width	0.866 Inch 22 Millimeter
UNSPSC	31171531
Preload	None
Ball - z	25
Category	Precision Ball Bearings
Size (mm)	125x80x22
Enclosure	Open
Inventory	0.0
Width (mm)	22
Weight / LBS	2.039
Flush Ground	No
Mass bearing	0.86 kg
d ₁	95.83 mm
d ₂	93 mm
D ₁	109.17 mm
Inch - Metric	Metric
Cage Material	Phenolic
Raceway Style	1 Rib Inner Ring and Outer Ring
d _n	98.5 mm
Product Group	B04270
Contact Angle	15 Degree
d ₁	95.83 mm
d	98.5 mm

n	
D ₁	109.17 mm
d ₂	93 mm
Bearing number	7016 CE/P4A
Keyword String	Angular Contact Ball
Other Features	Single Row Angular Contact High Precision
Precision Class	ABEC 7 ISO P4
Rolling Element	Ball Bearing
G _{ref}	12 cm3
Preload class A	72 N/micron
Preload class B	114 N/micron
Preload class C	157 N/micron
Material - Ball	Steel
Manufacturer URL	http://www.skf.com
Long Description	80MM Bore; 125MM Outside Diameter; 22MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearings; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Inner Ring an
Outside Diameter	4.921 Inch 125 Millimeter
Number of balls z	25
Manufacturer Name	SKF
Weight / Kilogram	0.925
D _b max.	120.8 mm
Number of Bearings	1 (Single)
r _b max.	0.6 mm
Bore Diameter (mm)	125
D _a max.	119 mm

r_a max.	1 mm
d_a min.	86 mm
d_b min.	86 mm
Outer Diameter (mm)	80
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
Calculation factor f	1.1
d_a - min.	86 mm
Ball - D_w	11.112 mm
d_b - min.	86 mm
Minimum Buy Quantity	N/A
D_a - max.	119 mm
D_b - max.	120.8 mm
r_a - max.	1 mm
r_b - max.	0.6 mm
$r_{3,4}$ - min.	0.6 mm
$r_{1,2}$ - min.	1.1 mm
Harmonized Tariff Code	8482.10.50.28
Calculation factor - f	1.1
Manufacturer Item Number	7016 CE/P4A
Basic dynamic load rating C	33.8 kN
Ball diameter D_w	11.112 mm
Preload class A G_A	180 N
Basic dynamic load rating - C	33.8 kN
Preload class C G_C	1090 N
Preload class B G_B	550 N
Preload class A - G_A	180 N
Preload class C - G_C	1090 N
Preload class B - G_B	550 N

Calculation factor f_0	9.4
Fatigue load limit P_u	1.18 kN
Calculation factor f_1	1
Calculation factor f_{HC}	1
Calculation factor f_{2C}	1.05
Calculation factor - f	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2A}	1
Calculation factor - f_0	9.4
Limiting speed for oil lubrication	24000 mm/min
Fatigue load limit - P_u	1.2 kN
Calculation factor - f_{2A}	1
Calculation factor - f_{HC}	1
Calculation factor - f_{2B}	1.03
Calculation factor - f_{2C}	1.05
Limiting speed for grease lubrication	15000 r/min
Basic static load rating C_0	28 kN
Static axial stiffness, preload class A	72 N/μm
Static axial stiffness, preload class B	114 N/μm
Static axial stiffness, preload class C	157 N/μm
Attainable speed for grease lubrication	15000 r/min
Attainable speed for oil-air lubrication	24000 r/min
Basic static load rating - C_0	28 kN
Reference grease quantity G_{ref}	12 cm ³

