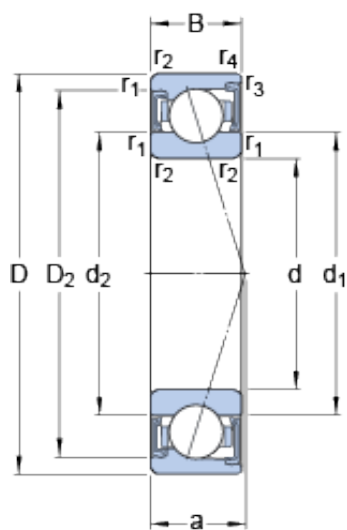




Bearing No. S7016 CD/P4A

a	24.8 mm
d	80 mm
D	125 mm
B	22 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	20
Size (mm)	125x80x22
Enclosure	2 Seals
Inventory	0.0
Width (mm)	22
Flush Ground	No
Weight / LBS	1.874
Mass bearing	0.87 kg
D ₂	113.95 mm
Product Group	B04270
D ₂	113.95 mm
d ₂	93.9 mm
d ₁	93.9 mm
d ₁	93.9 mm
d ₂	93.9 mm
Inch - Metric	Metric
Cage Material	Phenolic
Raceway Style	1 Rib Outer Ring
Contact Angle	15 Degree

Keyword String	Ball Angular Contact
Other Features	Single Row Angular Contact Super Precision
Enclosure Type	Non Contact Seal
Bearing number	S7016 CD/P4A
Material - Ball	Steel
Preload class A	92 N/micron
Preload class B	125 N/micron
Preload class C	175 N/micron
Preload class D	254 N/micron
Rolling Element	Ball Bearing
Precision Class	ABEC 7 ISO P4
Long Description	80MM Bore; 125MM Outside Diameter; 22MM Width; 2 Seals; ISO P4; Single; Phenolic Cage
Manufacturer URL	http://www.skf.com
Outside Diameter	4.921 Inch 125 Millimeter
Weight / Kilogram	0.851
Number of balls z	20
Manufacturer Name	SKF
Number of Bearings	1 (Single)
d _a min.	86 mm
D _a max.	119 mm
d _a max.	93.3 mm
d _b min.	86 mm
d _b max.	93.3 mm
D _b max.	121 mm
r _a max.	1 mm
r _b max.	0.6 mm
Bore Diameter (mm)	125

Outer Diameter (mm)	80
r_b - max.	0.6 mm
r_a - max.	1 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
Calculation factor f	1.13
D_b - max.	121 mm
D_a - max.	119 mm
Ball - D_w	14.288 mm
d_b - min.	86 mm
d_b - max.	93.3 mm
d_a - max.	93.3 mm
Minimum Buy Quantity	N/A
d_a - min.	86 mm
$r_{3,4}$ - min.	0.6 mm
Harmonized Tariff Code	8482.10.50.28
Calculation factor - f	1.13
$r_{1,2}$ - min.	1.1 mm
Manufacturer Item Number	S7016 CD/P4A
Basic dynamic load rating C	65 kN
Ball diameter D_w	14.288 mm
Preload class A G_A	240 N
Basic dynamic load rating - C	65 kN
Preload class D G_D	1920 N
Preload class C G_C	960 N
Preload class B G_B	480 N
Preload class C - G_C	960 N
Preload class B - G_B	480 N
Preload class D - G_D	1920 N

Preload class A - G_A	240 N
Calculation factor f_0	15.5
Fatigue load limit P_u	2.55 kN
Calculation factor f_1	1
Calculation factor - f	1
Calculation factor f_{HC}	1
Calculation factor f_{2D}	1.09
Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.02
Calculation factor f_{2A}	1
Calculation factor - f_0	15.5
Fatigue load limit - P_u	2.6 kN
Calculation factor - f_{2D}	1.09
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.05
Calculation factor - f_{HC}	1
Limiting speed for grease lubrication	10000 r/min
Basic static load rating C_0	61 kN
Static axial stiffness, preload class B	125 N/ μ m
Static axial stiffness, preload class C	175 N/ μ m
Static axial stiffness, preload class D	254 N/ μ m
Static axial stiffness, preload class A	92 N/ μ m
Attainable speed for grease lubrication	10000 r/min
Basic static load rating - C_0	61 kN

