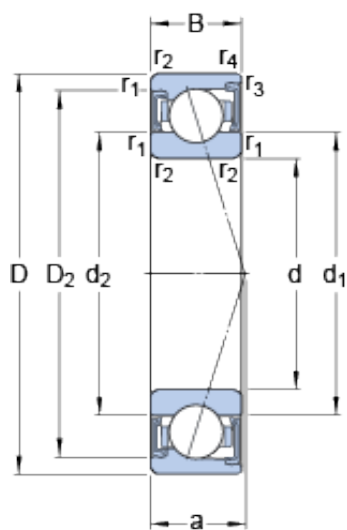




Bearing No. S7016 ACD/P4A

D	125 mm
d	80 mm
B	22 mm
a	35 mm
Bore	3.15 Inch 80 Millimeter
Noun	Bearing
Width	0.866 Inch 22 Millimeter
UNSPSC	31171531
Preload	None
Ball - z	20
Category	Precision Ball Bearings
Size (mm)	125x80x22
Enclosure	2 Seals
Inventory	0.0
Width (mm)	22
Flush Ground	No
Mass bearing	0.87 kg
d ₂	93.9 mm
Product Group	B04270
D ₂	113.95 mm
d ₂	93.9 mm
d ₁	93.9 mm
d ₁	93.9 mm
Inch - Metric	Metric
D ₂	113.95 mm
Cage Material	Phenolic
Raceway Style	1 Rib Outer Ring
Contact Angle	25 Degree
Keyword String	Ball Angular Contact

Other Features	Single Row Angular Contact High Capacity Basic Design
Enclosure Type	Non Contact Seal
Bearing number	S7016 ACD/P4A
Preload class D	523 N/micron
Rolling Element	Ball Bearing
Material - Ball	Steel
Precision Class	ABEC 7 ISO P4
Preload class A	223 N/micron
Preload class B	291 N/micron
Preload class C	386 N/micron
Manufacturer URL	http://www.skf.com
Outside Diameter	4.921 Inch 125 Millimeter
Long Description	80MM Bore; 125MM Outside Diameter; 22MM 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
Number of balls z	20
Weight / Kilogram	0
Manufacturer Name	SKF
Bore Diameter (mm)	125
Number of Bearings	1 (Single)
d _a min.	86 mm
d _a max.	93.3 mm
d _b min.	86 mm
d _b max.	93.3 mm
D _a max.	119 mm
D _b max.	121 mm

r_a max.	1 mm
r_b max.	0.6 mm
Outer Diameter (mm)	80
$r_{3,4}$ min.	0.6 mm
$r_{1,2}$ min.	1.1 mm
D_b - max.	121 mm
r_a - max.	1 mm
r_b - max.	0.6 mm
Calculation factor f	1.13
Calculation factor e	0.68
D_a - max.	119 mm
d_b - max.	93.3 mm
Minimum Buy Quantity	N/A
d_a - min.	86 mm
d_a - max.	93.3 mm
Ball - D_w	14.288 mm
d_b - min.	86 mm
Harmonized Tariff Code	8482.10.50.28
Calculation factor - e	0.68
$r_{1,2}$ - min.	1.1 mm
$r_{3,4}$ - min.	0.6 mm
Calculation factor - f	1.13
Basic dynamic load rating C	62.4 kN
Ball diameter D_w	14.288 mm
Basic dynamic load rating - C	62.4 kN
Preload class C G_C	1560 N
Preload class A G_A	390 N
Preload class D G_D	3120 N
Preload class B G_B	780 N
Preload class C - G_C	1560 N

Preload class B - G_B	780 N
Preload class A - G_A	390 N
Preload class D - G_D	3120 N
Calculation factor f_1	0.99
Fatigue load limit P_u	2.45 kN
Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.02
Calculation factor f_{2D}	1.08
Calculation factor f_{2A}	1
Calculation factor f_{HC}	1
Calculation factor - Y_1	0.92
Fatigue load limit - P_u	2.4 kN
Calculation factor - f_1	0.99
Calculation factor - X_2	0.67
Calculation factor - Y_0	0.76
Calculation factor - Y_2	1.41
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2D}	1.08
Calculation factor - f_{HC}	1
Calculation factor - f_{2C}	1.05
Limiting speed for grease lubrication	9500 r/min
Basic static load rating C_0	58.5 kN
Static axial stiffness, preload class D	523 N/ μ m
Static axial stiffness, preload class C	386 N/ μ m
Static axial stiffness, preload class B	291 N/ μ m

Static axial stiffness, preload class A	223 N/μm
Attainable speed for grease lubrication	9500 r/min
Basic static load rating - C ₀	58.5 kN
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