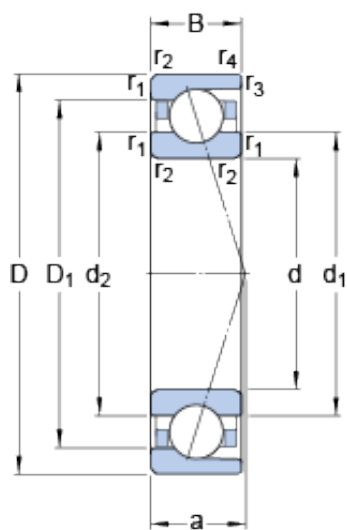




Bearing No. 7216 CD/P4A

D	140 mm
d	80 mm
B	26 mm
a	27.8 mm
Noun	Bearing
Bore	3.15 Inch 80 Millimeter
Width	1.024 Inch 26 Millimeter
UNSPSC	31171531
Preload	None
Category	Precision Ball Bearings
Ball - z	17
Inventory	0.0
Enclosure	Open
Size (mm)	140x80x26
Width (mm)	26
Flush Ground	No
Mass bearing	1.46 kg
d ₁	99.5 mm
d ₂	99.5 mm
d _n	103.4 mm
Inch - Metric	Metric
D ₁	120.5 mm
Cage Material	Phenolic
Raceway Style	1 Rib Outer Ring
d ₂	99.5 mm
Contact Angle	15 Degree
d ₁	99.5 mm
D ₁	120.5 mm
d _n	103.4 mm

Product Group	B04270
Other Features	Single Row Angular Contact Super Precision High Capacity Basic Design
Keyword String	Ball Angular Contact
Bearing number	7216 CD/P4A
G _{ref}	18.084 cm3
Rolling Element	Ball Bearing
Material - Ball	Steel
Preload class A	96 N/micron
Preload class B	130 N/micron
Preload class C	181 N/micron
Preload class D	260 N/micron
Precision Class	ABEC 7 ISO P4
Long Description	80MM Bore; 140MM Outside Diameter; 26MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearing; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Outer Ring Rac
Manufacturer URL	http://www.skf.com
Outside Diameter	5.512 Inch 140 Millimeter
Number of balls z	17
Weight / Kilogram	0
Manufacturer Name	SKF
Number of Bearings	1 (Single)
d _a min.	91 mm
d _b min.	91 mm
D _a max.	129 mm
D _b max.	134.4 mm

r_a max.	2 mm
r_b max.	1 mm
Bore Diameter (mm)	140
Outer Diameter (mm)	80
$r_{3,4}$ min.	1 mm
$r_{1,2}$ min.	2 mm
d_b - min.	91 mm
Calculation factor f	1.09
D_a - max.	129 mm
D_b - max.	134.4 mm
r_a - max.	2 mm
d_a - min.	91 mm
Ball - D_w	17.462 mm
r_b - max.	1 mm
Minimum Buy Quantity	N/A
Calculation factor - f	1.09
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	2 mm
Harmonized Tariff Code	8482.10.50.28
Basic dynamic load rating C	85.2 kN
Ball diameter D_w	17.462 mm
Basic dynamic load rating - C	85.2 kN
Preload class D G_D	2560 N
Preload class C G_C	1280 N
Preload class B G_B	640 N
Preload class A G_A	320 N
Preload class D - G_D	2560 N
Preload class C - G_C	1280 N
Preload class B - G_B	640 N
Preload class A - G_A	320 N

Calculation factor f_0	15.1
Calculation factor f_1	1
Fatigue load limit P_u	3.05 kN
Calculation factor - f	1
Calculation factor f_{HC}	1
Calculation factor f_{2D}	1.05
Calculation factor f_{2C}	1.03
Calculation factor f_{2B}	1.01
Calculation factor f_{2A}	1
Calculation factor - f_0	15.1
Limiting speed for oil lubrication	16000 mm/min
Fatigue load limit - P_u	3 kN
Calculation factor - f_{2D}	1.05
Calculation factor - f_{2A}	1
Calculation factor - f_{HC}	1
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2C}	1.03
Limiting speed for grease lubrication	9500 r/min
Basic static load rating C_0	75 kN
Static axial stiffness, preload class D	260 N/ μ m
Static axial stiffness, preload class B	130 N/ μ m
Static axial stiffness, preload class A	96 N/ μ m
Attainable speed for grease lubrication	9500 r/min
Static axial stiffness, preload class C	181 N/ μ m
Basic static load rating -	75 kN

C_0	
Attainable speed for oil-air lubrication	16000 r/min
Reference grease quantity G_{ref}	18.084 cm ³