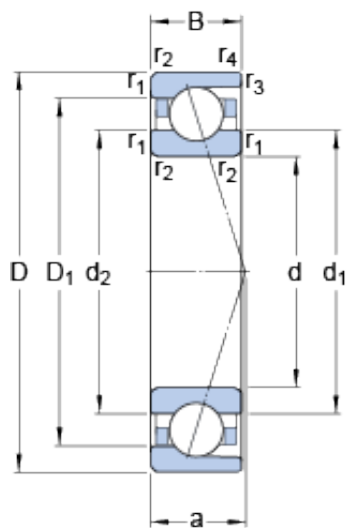




Bearing No. 7028 CD/P4A

D	210 mm
d	140 mm
B	33 mm
a	40.1 mm
Noun	Bearing
Bore	5.512 Inch 140 Millimeter
Width	1.299 Inch 33 Millimeter
UNSPSC	31171531
Preload	None
Category	Precision Ball Bearings
Ball - z	22
Inventory	0.0
Enclosure	Open
Size (mm)	210x140x33
Width (mm)	33
Flush Ground	No
Mass bearing	3.42 kg
d ₁	161.6 mm
d ₂	161.6 mm
d _n	166.3 mm
Inch - Metric	Metric
D ₁	188.4 mm
Cage Material	Phenolic
Raceway Style	1 Rib Outer Ring
d ₂	161.6 mm
Contact Angle	15 Degree
d ₁	161.6 mm
D ₁	188.4 mm

d_n	166.3 mm
Product Group	B04270
Other Features	Single Row Angular Contact High Capacity Basic Design
Keyword String	Ball Angular Contact
Bearing number	7028 CD/P4A
G_{ref}	45 cm3
Rolling Element	Ball Bearing
Material - Ball	Steel
Preload class A	151 N/micron
Preload class B	206 N/micron
Preload class C	289 N/micron
Preload class D	418 N/micron
Precision Class	ABEC 7 ISO P4
Long Description	140MM Bore; 210MM Outside Diameter; 33MM 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 Ra
Manufacturer URL	http://www.skf.com
Outside Diameter	8.268 Inch 210 Millimeter
Number of balls z	22
Weight / Kilogram	0
Manufacturer Name	SKF
Number of Bearings	1 (Single)
d_a min.	149 mm
d_b min.	149 mm
D_a max.	201 mm
D_b max.	205 mm

r_a max.	2 mm
r_b max.	1 mm
Bore Diameter (mm)	210
Outer Diameter (mm)	140
$r_{3,4}$ min.	1 mm
$r_{1,2}$ min.	2 mm
d_b - min.	149 mm
Calculation factor f	1.16
D_a - max.	201 mm
D_b - max.	205 mm
r_a - max.	2 mm
d_a - min.	149 mm
Ball - D_w	22.225 mm
r_b - max.	1 mm
Minimum Buy Quantity	N/A
Calculation factor - f	1.16
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	2 mm
Harmonized Tariff Code	8482.10.50.28
Basic dynamic load rating C	153 kN
Ball diameter D_w	22.225 mm
Basic dynamic load rating - C	153 kN
Preload class D G_D	4560 N
Preload class C G_C	2280 N
Preload class B G_B	1140 N
Preload class A G_A	570 N
Preload class D - G_D	4560 N
Preload class C - G_C	2280 N
Preload class B - G_B	1140 N
Preload class A - G_A	570 N

Calculation factor f_0	15.8
Calculation factor f_1	1
Fatigue load limit P_u	5.3 kN
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	15.8
Limiting speed for oil lubrication	10000 mm/min
Fatigue load limit - P_u	5.3 kN
Calculation factor - f_{2D}	1.09
Calculation factor - f_{2A}	1
Calculation factor - f_{HC}	1
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.05
Limiting speed for grease lubrication	6700 r/min
Basic static load rating C_0	166 kN
Static axial stiffness, preload class D	418 N/ μ m
Static axial stiffness, preload class B	206 N/ μ m
Static axial stiffness, preload class A	151 N/ μ m
Attainable speed for grease lubrication	6700 r/min
Static axial stiffness, preload class C	289 N/ μ m
Basic static load rating -	166 kN

C_0	
Attainable speed for oil-air lubrication	10000 r/min
Reference grease quantity G_{ref}	45 cm ³