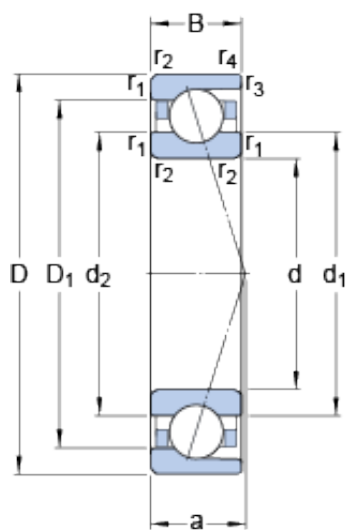




Bearing No. 7006 CD/P4A

a	12.3 mm
d	30 mm
D	55 mm
B	13 mm
Noun	Bearing
Bore	1.181 Inch 30 Millimeter
Width	0.512 Inch 13 Millimeter
UNSPSC	31171531
Preload	None
Ball - z	14
Category	Precision Ball Bearings
Size (mm)	55x30x13
Enclosure	Open
Inventory	0.0
Width (mm)	13
Weight / LBS	0.258
Flush Ground	No
Mass bearing	0.11 kg
d ₁	37.7 mm
d ₂	37.7 mm
D ₁	47.3 mm
Inch - Metric	Metric
Cage Material	Phenolic
Raceway Style	1 Rib Outer Ring
d _n	39.3 mm
Product Group	B00270
Contact Angle	15 Degree
D ₁	47.3 mm
d	39.3 mm

n	
d ₂	37.7 mm
d ₁	37.7 mm
Bearing number	7006 CD/P4A
Keyword String	Angular Contact Ball
Other Features	Single Row Angular Contact High Precision
Preload class B	40 N/micron
Rolling Element	Ball Bearing
Material - Ball	Steel
Precision Class	ABEC 7 ISO P4
G _{ref}	1.59 cm3
Preload class C	55 N/micron
Preload class D	77 N/micron
Preload class A	30 N/micron
Outside Diameter	2.165 Inch 55 Millimeter
Manufacturer URL	http://www.skf.com
Long Description	30MM Bore; 55MM Outside Diameter; 13MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearings; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Outer Ring Rac
Manufacturer Name	SKF
Number of balls z	14
Weight / Kilogram	0.122
d _a min.	34.6 mm
d _b min.	34.6 mm
Bore Diameter (mm)	55
Number of Bearings	1 (Single)

r_b max.	0.3 mm
r_a max.	1 mm
D_a max.	50.4 mm
D_b max.	53 mm
Outer Diameter (mm)	30
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.3 mm
d_a - min.	34.6 mm
Calculation factor f	1.06
d_b - min.	34.6 mm
Ball - D_w	7.938 mm
D_a - max.	50.4 mm
Minimum Buy Quantity	N/A
r_a - max.	1 mm
r_b - max.	0.3 mm
D_b - max.	53 mm
Harmonized Tariff Code	8482.10.50.28
Calculation factor - f	1.06
$r_{3,4}$ - min.	0.3 mm
$r_{1,2}$ - min.	1 mm
Manufacturer Item Number	7006 CD/P4A
Basic dynamic load rating C	14.3 kN
Ball diameter D_w	7.938 mm
Preload class B G_B	100 N
Preload class A G_A	50 N
Preload class C G_C	200 N
Preload class D G_D	400 N
Basic dynamic load rating - C	14.3 kN
Preload class B - G_B	100 N
Preload class C - G_C	200 N

Preload class A - G_A	50 N
Preload class D - G_D	400 N
Calculation factor f_1	1
Fatigue load limit P_u	0.34 kN
Calculation factor f_0	9.4
Calculation factor - f	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05
Calculation factor f_{2D}	1.09
Calculation factor f_{HC}	1
Calculation factor - f_0	9.4
Fatigue load limit - P_u	0.34 kN
Limiting speed for oil lubrication	48000 mm/min
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2D}	1.09
Calculation factor - f_{HC}	1
Limiting speed for grease lubrication	32000 r/min
Basic static load rating C_0	8 kN
Static axial stiffness, preload class A	30 N/ μ m
Static axial stiffness, preload class B	40 N/ μ m
Static axial stiffness, preload class C	55 N/ μ m
Static axial stiffness, preload class D	77 N/ μ m

Attainable speed for grease lubrication	32000 r/min
Attainable speed for oil-air lubrication	48000 r/min
Basic static load rating - C_0	8 kN
Reference grease quantity G_{ref}	1.59 cm ³