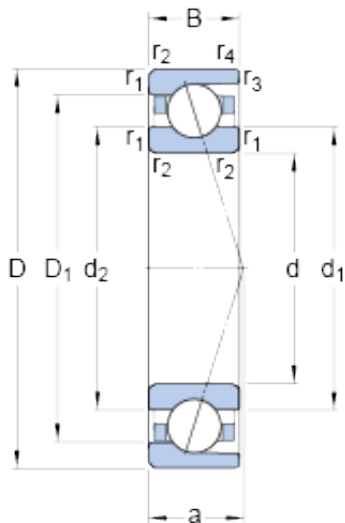




Timken BEARING MFG.CORP



30 mm x 55 mm x 13 mm SKF 7006 CD/P4A
angular contact ball bearings

Bearing No. 7006 CD/P4A

7006 CD/P4A Bearing 2D drawings and 3D CAD models

Size	55x30x13 mm
Bore Diameter	55 mm
Outer Diameter	30 mm
Width	13 mm
d	30 mm
D	55 mm
B	13 mm
d ₁	37.7 mm
d ₂	37.7 mm
D ₁	47.3 mm
r _{1,2} - min.	1 mm
r _{3,4} - min.	0.3 mm
a	12.3 mm
d _a - min.	34.6 mm
d _b - min.	34.6 mm
D _a - max.	50.4 mm
D _b - max.	53 mm
r _a - max.	1 mm
r _b - max.	0.3 mm
d _n	39.3 mm
Basic dynamic load rating - C	14.3 kN
Basic static load rating - C ₀	8 kN
Fatigue load limit - P _u	0.34 kN
Limiting speed for grease	32000 r/min



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Lubrication	
Limiting speed for oil lubrication	48000 mm/min
Ball - D_w	7.938 mm
Ball - z	14
G_{ref}	1.59 cm3
Calculation factor - f_0	9.4
Preload class A - G_A	50 N
Preload class B - G_B	100 N
Preload class C - G_C	200 N
Preload class D - G_D	400 N
Calculation factor - f	1.06
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
Preload class A	30 N/micron
Preload class B	40 N/micron
Preload class C	55 N/micron
Preload class D	77 N/micron
Category	Precision Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.122
EAN	7316571150284
Product Group	B00270
Enclosure	Open



Timken BEARING MFG.CORP

Precision Class	ABEC 7 ISO P4
Material - Ball	Steel
Number of Bearings	1 (Single)
Contact Angle	15 Degree
Preload	None
Raceway Style	1 Rib Outer Ring
Cage Material	Phenolic
Rolling Element	Ball Bearing
Flush Ground	No
Inch - Metric	Metric
Other Features	Single Row Angular Contact High Precision
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
Category	Precision Ball Bearings
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Angular Contact Ball
Manufacturer URL	http://www.skf.com
Manufacturer Item Number	7006 CD/P4A
Weight / LBS	0.258
Bore	1.181 Inch 30 Millimeter
Outside Diameter	2.165 Inch 55 Millimeter
Width	0.512 Inch 13 Millimeter
d ₁	37.7 mm
d ₂	37.7 mm
D ₁	47.3 mm



Timken BEARING MFG.CORP

$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	34.6 mm
d_b min.	34.6 mm
D_a max.	50.4 mm
D_b max.	53 mm
r_a max.	1 mm
r_b max.	0.3 mm
d_n	39.3 mm
Basic dynamic load rating C	14.3 kN
Basic static load rating C_0	8 kN
Fatigue load limit P_u	0.34 kN
Attainable speed for grease lubrication	32000 r/min
Attainable speed for oil-air lubrication	48000 r/min
Ball diameter D_w	7.938 mm
Number of balls z	14
Reference grease quantity G_{ref}	1.59 cm ³
Preload class A G_A	50 N
Static axial stiffness, preload class A	30 N/ μ m
Preload class B G_B	100 N
Static axial stiffness, preload class B	40 N/ μ m
Preload class C G_C	200 N
Static axial stiffness, preload class C	55 N/ μ m
Preload class D G_D	400 N
Static axial stiffness, preload class D	77 N/ μ m
Calculation factor f	1.06
Calculation factor f_1	1



Timken BEARING MFG.CORP

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
Mass bearing	0.11 kg