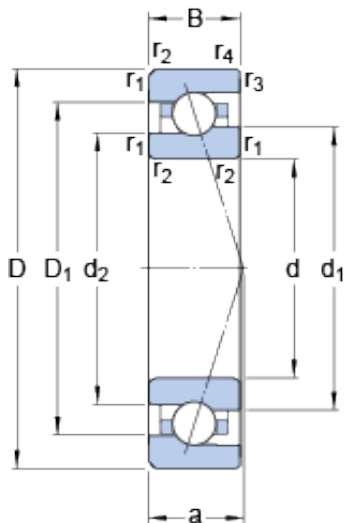




GARLOCK BEARINGS LTD



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

7006 CE/P4A SKF High Speed Angular Contact Ball Bearings

Bearing No. 7006 CE/P4A

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	38.2 mm
d ₂	36.4 mm
D ₁	45.81 mm
r _{1,2} - min.	1 mm
r _{3,4} - min.	0.6 mm
a	12.2 mm
d _a - min.	34.6 mm
d _b - min.	34.6 mm
D _a - max.	50.4 mm
D _b - max.	50.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
d _n	39.9 mm
Basic dynamic load rating - C	9.4 kN
Basic static load rating - C ₀	5.2 kN
Fatigue load limit - P _u	0.22 kN
Limiting speed for grease	39000 r/min



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Lubrication	
Limiting speed for oil lubrication	60000 mm/min
Ball - D_w	6.35 mm
Ball - z	17
G_{ref}	1.7 cm3
Calculation factor - f_0	7.9
Preload class A - G_A	50 N
Preload class B - G_B	150 N
Preload class C - G_C	300 N
Calculation factor - f	1.05
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.03
Calculation factor - f_{2C}	1.05
Calculation factor - f_{HC}	1
Preload class A	28 N/micron
Preload class B	44 N/micron
Preload class C	60 N/micron
Category	Precision Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0
Product Group	B04270
Enclosure	Open
Precision Class	ABEC 7 ISO P4
Material - Ball	Steel
Number of Bearings	1 (Single)
Contact Angle	15 Degree
Preload	None



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Raceway Style	1 Rib Inner Ring and Outer Ring
Cage Material	Phenolic
Rolling Element	Ball Bearing
Flush Ground	No
Inch - Metric	Metric
Other Features	Single Row Angular Contact High Speed E Design
Long Description	30MM Bore; 55MM Outside Diameter; 13MM Width; Open Enclosure; ABEC 7 ISO P4 Precision; Steel Ball Material; 1 (Single) Bearing; 15 Degree Contact Angle; Phenolic Cage Material; 1 Rib Inner Ring and
Category	Precision Ball Bearings
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Ball Angular Contact
Manufacturer URL	http://www.skf.com
Bore	1.181 Inch 30 Millimeter
Outside Diameter	2.165 Inch 55 Millimeter
Width	0.512 Inch 13 Millimeter
d ₁	38.2 mm
d ₂	36.4 mm
D ₁	45.81 mm
r _{1,2} min.	1 mm
r _{3,4} min.	0.6 mm
d _a min.	34.6 mm
d _b min.	34.6 mm
D _a max.	50.4 mm
D _b max.	50.8 mm



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r_a max.	1 mm
r_b max.	0.6 mm
d_n	39.9 mm
Basic dynamic load rating C	9.36 kN
Basic static load rating C_0	5.2 kN
Fatigue load limit P_u	0.22 kN
Attainable speed for grease lubrication	39000 r/min
Attainable speed for oil-air lubrication	60000 r/min
Ball diameter D_w	6.35 mm
Number of balls z	17
Reference grease quantity G_{ref}	1.7 cm ³
Preload class A G_A	50 N
Static axial stiffness, preload class A	28 N/ μ m
Preload class B G_B	150 N
Static axial stiffness, preload class B	44 N/ μ m
Preload class C G_C	300 N
Static axial stiffness, preload class C	60 N/ μ m
Calculation factor f	1.05
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1
Calculation factor f_0	7.9
Mass bearing	0.11 kg