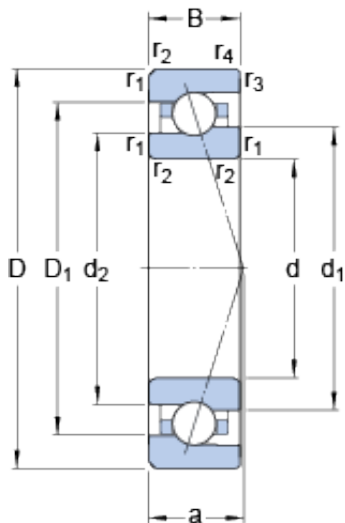




UNF BRAINGS SALES JAPAN CO.,LTD.



25 mm x 47 mm x 12 mm SKF 7005 CE/P4A
Interchangeable with open TAC serie Precision Bearings

Bearing No. 7005 CE/P4A

7005 CE/P4A Bearing 2D drawings and 3D CAD models

Size	47x25x12 mm
Bore Diameter	47 mm
Outer Diameter	25 mm
Width	12 mm
d	25 mm
D	47 mm
B	12 mm
d ₁	31.6 mm
d ₂	29.8 mm
D ₁	39.21 mm
r _{1,2} - min.	0.6 mm
r _{3,4} - min.	0.3 mm
a	10.8 mm
d _a - min.	28.2 mm
d _b - min.	28.2 mm
D _a - max.	43.8 mm
D _b - max.	44.6 mm
r _a - max.	0.6 mm
r _b - max.	0.3 mm
d _n	33.1 mm
Basic dynamic load rating - C	8.3 kN
Basic static load rating - C ₀	4.2 kN
Fatigue load limit - P _u	0.173 kN



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Limiting speed for grease lubrication	46000 r/min
Limiting speed for oil lubrication	70000 mm/min
Ball - D_w	6.35 mm
Ball - z	14
G_{ref}	1.3 cm ³
Calculation factor - f_0	7.5
Preload class A - G_A	45 N
Preload class B - G_B	130 N
Preload class C - G_C	260 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	24 N/micron
Preload class B	37 N/micron
Preload class C	50 N/micron
Category	Precision Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.078
Product Group	B04270
Enclosure	Open
Precision Class	ABEC 7 ISO P4
Material - Ball	Steel
Number of Bearings	1 (Single)
Contact Angle	15 Degree



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Preload	None
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	25MM Bore; 47MM Outside Diameter; 12MM 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
Outside Diameter	1.85 Inch 47 Millimeter
Width	0.472 Inch 12 Millimeter
Bore	0.984 Inch 25 Millimeter
d ₁	31.6 mm
d ₂	29.8 mm
D ₁	39.21 mm
r _{1,2} min.	0.6 mm
r _{3,4} min.	0.3 mm
d _a min.	28.2 mm
d _b min.	28.2 mm
D _a max.	43.8 mm



UNF BRAINGS SALES JAPAN CO.,LTD.

D_b max.	44.6 mm
r_a max.	0.6 mm
r_b max.	0.3 mm
d_n	33.1 mm
Basic dynamic load rating C	8.32 kN
Basic static load rating C_0	4.15 kN
Fatigue load limit P_u	0.173 kN
Attainable speed for grease lubrication	46000 r/min
Attainable speed for oil-air lubrication	70000 r/min
Ball diameter D_w	6.35 mm
Number of balls z	14
Reference grease quantity G_{ref}	1.3 cm ³
Preload class A G_A	45 N
Static axial stiffness, preload class A	24 N/ μ m
Preload class B G_B	130 N
Static axial stiffness, preload class B	37 N/ μ m
Preload class C G_C	260 N
Static axial stiffness, preload class C	50 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	7.5
Mass bearing	0.074 kg