



# UNF BRAINGS SALES JAPAN CO.,LTD.



## 30 mm x 47 mm x 9 mm SKF 71906 CD/P4A Light pressure contact seals Precision Bearings

Bearing No. 71906 CD/P4A

71906 CD/P4A Bearing 2D drawings and 3D CAD models

Size	47x30x9 mm
Bore Diameter	47 mm
Outer Diameter	30 mm
Width	9 mm
d	30 mm
D	47 mm
B	9 mm
d <sub>1</sub>	35.6 mm
d <sub>2</sub>	35.6 mm
D <sub>1</sub>	41.4 mm
r <sub>1,2</sub> - min.	0.3 mm
r <sub>3,4</sub> - min.	0.2 mm
a	9.7 mm
d <sub>a</sub> - min.	32 mm
d <sub>b</sub> - min.	32 mm
D <sub>a</sub> - max.	45 mm
D <sub>b</sub> - max.	45.6 mm
r <sub>a</sub> - max.	0.3 mm
r <sub>b</sub> - max.	0.2 mm
d <sub>n</sub>	36.8 mm
Basic dynamic load rating - C	7.2 kN
Basic static load rating - C <sub>0</sub>	4.6 kN
Fatigue load limit - P <sub>u</sub>	0.193 kN
Limiting speed for grease	30000 r/min



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Lubrication	
Limiting speed for oil lubrication	45000 mm/min
Ball - $D_w$	4.762 mm
Ball - $z$	20
$G_{ref}$	0.63 cm <sup>3</sup>
Calculation factor - $f_0$	10.4
Preload class A - $G_A$	25 N
Preload class B - $G_B$	50 N
Preload class C - $G_C$	100 N
Preload class D - $G_D$	200 N
Calculation factor - $f$	1.08
Calculation factor - $f$	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.04
Calculation factor - $f_{2C}$	1.09
Calculation factor - $f_{2D}$	1.15
Calculation factor - $f_{HC}$	1
Preload class A	26 N/micron
Preload class B	35 N/micron
Preload class C	47 N/micron
Preload class D	67 N/micron
Category	Precision Ball Bearings
Inventory	0.0
Manufacturer Name	SKF
Minimum Buy Quantity	N/A
Weight / Kilogram	0.049
EAN	7316570421385
Product Group	B04270
Enclosure	Open



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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 Capacity Basic Design
Long Description	30MM Bore; 47MM Outside Diameter; 9MM 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 Racew
Category	Precision Ball Bearings
UNSPSC	31171531
Harmonized Tariff Code	8482.10.50.28
Noun	Bearing
Keyword String	Ball Angular Contact
Manufacturer URL	<a href="http://www.skf.com">http://www.skf.com</a>
Bore	1.181 Inch   30 Millimeter
Outside Diameter	1.85 Inch   47 Millimeter
Width	0.354 Inch   9 Millimeter
d <sub>1</sub>	35.6 mm
d <sub>2</sub>	35.6 mm
D <sub>1</sub>	41.4 mm
r <sub>1,2</sub> min.	0.3 mm



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$r_{3,4}$ min.	0.2 mm
$d_a$ min.	32 mm
$d_b$ min.	32 mm
$D_a$ max.	45 mm
$D_b$ max.	45.6 mm
$r_a$ max.	0.3 mm
$r_b$ max.	0.2 mm
$d_n$	36.8 mm
Basic dynamic load rating C	7.15 kN
Basic static load rating $C_0$	4.55 kN
Fatigue load limit $P_u$	0.193 kN
Attainable speed for grease lubrication	30000 r/min
Attainable speed for oil-air lubrication	45000 r/min
Ball diameter $D_w$	4.762 mm
Number of balls z	20
Reference grease quantity $G_{ref}$	0.63 cm <sup>3</sup>
Preload class A $G_A$	25 N
Static axial stiffness, preload class A	26 N/ $\mu$ m
Preload class B $G_B$	50 N
Static axial stiffness, preload class B	35 N/ $\mu$ m
Preload class C $G_C$	100 N
Static axial stiffness, preload class C	47 N/ $\mu$ m
Preload class D $G_D$	200 N
Static axial stiffness, preload class D	67 N/ $\mu$ m
Calculation factor f	1.08
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1



## UNF BRAINGS SALES JAPAN CO.,LTD.

Calculation factor $f_{2B}$	1.04
Calculation factor $f_{2C}$	1.09
Calculation factor $f_{2D}$	1.15
Calculation factor $f_{HC}$	1
Calculation factor $f_0$	10.4
Mass bearing	0.048 kg