



## 30 mm x 47 mm x 9 mm SKF 71906 CE/P4AL angular contact ball bearings

Bearing No. 71906 CE/P4AL

71906 CE/P4AL 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>	35.8 mm
d <sub>2</sub>	34.4 mm
D <sub>1</sub>	41.39 mm
b	1.5 mm
C <sub>1</sub>	4.6 mm
C <sub>2</sub>	1.4 mm
C <sub>3</sub>	0.9 mm
r <sub>1,2</sub> - min.	0.3 mm
r <sub>3,4</sub> - min.	0.15 mm
a	10.1 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.	46.2 mm
r <sub>a</sub> - max.	0.3 mm
r <sub>b</sub> - max.	0.15 mm
d <sub>n</sub>	36.8 mm

Basic dynamic load rating - C	5.6 kN
Basic static load rating - $C_0$	3.2 kN
Fatigue load limit - $P_u$	0.14 kN
Limiting speed for grease lubrication	41000 r/min
Limiting speed for oil lubrication	63000 mm/min
Ball - $D_w$	4.762 mm
Ball - z	18
$G_{ref}$	0.6 cm <sup>3</sup>
Calculation factor - $f_0$	8.3
Preload class A - $G_A$	30 N
Preload class B - $G_B$	90 N
Preload class C - $G_C$	180 N
Calculation factor - f	1.08
Calculation factor - f	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.04
Calculation factor - $f_{2C}$	1.08
Calculation factor - $f_{HC}$	1
Preload class A	23 N/micron
Preload class B	35 N/micron
Preload class C	49 N/micron
$d_1$	35.8 mm
$d_2$	34.4 mm
$D_1$	41.39 mm
$C_1$	4.6 mm
$C_2$	1.4 mm
$C_3$	0.9 mm
$r_{1,2}$ min.	0.3 mm

$r_{3,4}$ min.	0.15 mm
$d_a$ min.	32 mm
$d_b$ min.	32 mm
$D_a$ max.	45 mm
$D_b$ max.	46.2 mm
$r_a$ max.	0.3 mm
$r_b$ max.	0.15 mm
$d_n$	36.8 mm
Basic dynamic load rating C	5.59 kN
Basic static load rating $C_0$	3.25 kN
Fatigue load limit $P_u$	0.14 kN
Attainable speed for grease lubrication	41000 r/min
Attainable speed for oil-air lubrication	63000 r/min
Ball diameter $D_w$	4.762 mm
Number of balls z	18
Reference grease quantity $G_{ref}$	0.6 cm <sup>3</sup>
Preload class A $G_A$	30 N
Static axial stiffness, preload class A	23 N/ $\mu$ m
Preload class B $G_B$	90 N
Static axial stiffness, preload class B	35 N/ $\mu$ m
Preload class C $G_C$	180 N
Static axial stiffness, preload class C	49 N/ $\mu$ m
Calculation factor f	1.08
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.04
Calculation factor $f_{2C}$	1.08
Calculation factor $f_{HC}$	1



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Calculation factor $f_0$	8.3
Mass bearing	0.05 kg