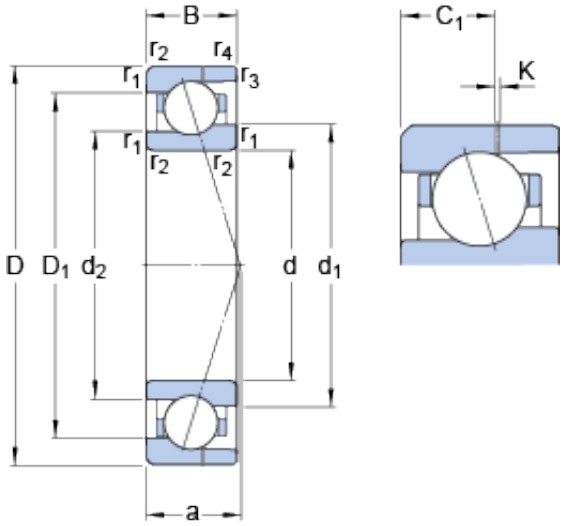

71906 CE/HCP4AH Bearing 2D drawings and 3D CAD models

71906 CE/HCP4AH SKF High Speed Angular Contact Ball Bearings

Bearing No. 71906 CE/HCP4AH

Size	47x30x9 mm
Bore Diameter	47 mm
Outer Diameter	30 mm
Width	9 mm
d	30 mm
D	47 mm
B	9 mm
d_1	35.8 mm
d_2	34.4 mm
D_1	41.39 mm
K	0.5 mm
C_1	5.45 mm
$r_{1,2}$ - min.	0.3 mm
$r_{3,4}$ - min.	0.15 mm
a	10.1 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	5.6 kN
Basic static load rating - C_0	3.2 kN

Fatigue load limit - P_u	0.14 kN
Limiting speed for grease lubrication	49000 r/min
Limiting speed for oil lubrication	75000 mm/min
Ball - D_w	4.762 mm
Ball - z	18
G_{ref}	0.6 cm3
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}	1.05
Calculation factor - f_{2C}	1.09
Calculation factor - f_{HC}	1.01
Preload class A	25 N/micron
Preload class B	39 N/micron
Preload class C	54 N/micron
d_1	35.8 mm
d_2	34.4 mm
D_1	41.39 mm
C_1	5.45 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	49000 r/min
Attainable speed for oil-air lubrication	75000 r/min
Ball diameter D_w	4.762 mm
Number of balls z	18
Reference grease quantity G_{ref}	0.6 cm^3
Preload class A G_A	30 N
Static axial stiffness, preload class A	25 N/µm
Preload class B G_B	90 N
Static axial stiffness, preload class B	39 N/µm
Preload class C G_C	180 N
Static axial stiffness, preload class C	54 N/µm
Calculation factor f	1.08
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.05
Calculation factor f_{2C}	1.09
Calculation factor f_{HC}	1.01
Calculation factor f_0	8.3
Mass bearing	0.045 kg