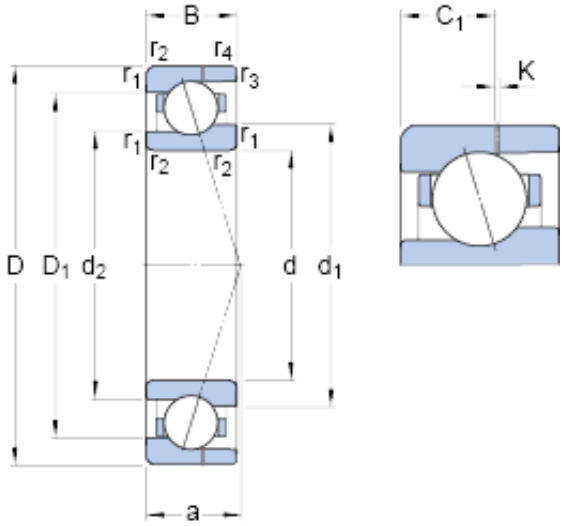
LOYAL KHR BEARING CORP.



719/8 ACE/HCP4AH Bearing 2D drawings and 3D CAD models

8 mm x 19 mm x 6 mm SKF 719/8 ACE/HCP4AH Angular contact ball bearing

Bearing No. 719/8 ACE/HCP4AH

Size	19x8x6 mm
Bore Diameter	19 mm
Outer Diameter	8 mm
Width	6 mm
d	8 mm
D	19 mm
B	6 mm
d_1	11.3 mm
d_2	10.76 mm
D_1	15.7 mm
K	0.5 mm
C_1	3.65 mm
$r_{1,2}$ - min.	0.3 mm
$r_{3,4}$ - min.	0.15 mm
a	6.5 mm
d_a - min.	10 mm
d_b - min.	10 mm
D_a - max.	17 mm
D_b - max.	18.2 mm
r_a - max.	0.3 mm
r_b - max.	0.15 mm
d_n	12.2 mm
Basic dynamic load rating - C	1.7 kN
Basic static load rating - C_0	0.6 kN

Fatigue load limit - P_u	0.026 kN
Limiting speed for grease lubrication	130000 r/min
Limiting speed for oil lubrication	200000 mm/min
Ball - D_w	3.175 mm
Ball - z	9
G_{ref}	0.09 cm3
Calculation factor - e	0.68
Calculation factor - Y_2	0.87
Calculation factor - Y_0	0.38
Calculation factor - X_2	0.41
Calculation factor - Y_1	0.92
Calculation factor - Y_2	1.41
Calculation factor - Y_0	0.76
Calculation factor - X_2	0.67
Preload class A - G_A	15 N
Preload class B - G_B	46 N
Preload class C - G_C	91 N
Calculation factor - f	1.02
Calculation factor - f_1	0.98
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.04
Calculation factor - f_{2C}	1.08
Calculation factor - f_{HC}	1.01
Preload class A	23 N/micron
Preload class B	35 N/micron
Preload class C	46 N/micron
d_1	11.3 mm
d_2	10.76 mm

D_1	15.7 mm
C_1	3.65 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.15 mm
d_a min.	10 mm
d_b min.	10 mm
D_a max.	17 mm
D_b max.	18.2 mm
r_a max.	0.3 mm
r_b max.	0.15 mm
d_n	12.2 mm
Basic dynamic load rating C	1.68 kN
Basic static load rating C_0	0.6 kN
Fatigue load limit P_u	0.026 kN
Attainable speed for grease lubrication	130000 r/min
Attainable speed for oil-air lubrication	200000 r/min
Ball diameter D_w	3.175 mm
Number of balls z	9
Reference grease quantity G_{ref}	0.09 cm^3
Preload class A G_A	15 N
Static axial stiffness, preload class A	23 N/ µ m
Preload class B G_B	46 N
Static axial stiffness, preload class B	35 N/ µ m
Preload class C G_C	91 N
Static axial stiffness, preload class C	46 N/ µ m
Calculation factor f	1.02
Calculation factor f_1	0.98
Calculation factor f_{2A}	1

Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.08
Calculation factor f_{HC}	1.01
Calculation factor e	0.68
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (single, tandem) Y_0	0.38
Calculation factor (single, tandem) X_2	0.41
Calculation factor (back-to-back, face-to-face) Y_1	0.92
Calculation factor (back-to-back, face-to-face) Y_2	1.41
Calculation factor (back-to-back, face-to-face) Y_0	0.76
Calculation factor (back-to-back, face-to-face) X_2	0.67
Mass bearing	0.006 kg