



**75 mm x 95 mm x 10 mm SKF 71815 ACD/P4
angular contact ball bearings**

Bearing No. 71815 ACD/P4

71815 ACD/P4 Bearing 2D drawings and 3D CAD models

Size	95x75x10 mm
Bore Diameter	95 mm
Outer Diameter	75 mm
Width	10 mm
d	75 mm
D	95 mm
B	10 mm
d ₁	81.7 mm
d ₂	81.7 mm
D ₁	88.5 mm
r _{1,2} - min.	0.6 mm
r _{3,4} - min.	0.3 mm
a	24.9 mm
d _a - min.	78.2 mm
d _b - min.	78.2 mm
D _a - max.	91.8 mm
D _b - max.	93 mm
r _a - max.	0.6 mm
r _b - max.	0.3 mm
d _n	82.4 mm
Basic dynamic load rating - C	13.3 kN
Basic static load rating - C ₀	16 kN
Fatigue load limit - P _u	0.68 kN
Limiting speed for grease	12000 r/min



BEARING MANUFACTURING DE MEXICO,S.A.D...

Lubrication	
Limiting speed for oil lubrication	18000 mm/min
Ball - D_w	5.556 mm
Ball - z	33
G_{ref}	1.5 cm ³
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	120 N
Preload class B - G_B	360 N
Preload class C - G_C	720 N
Calculation factor - f	1.36
Calculation factor - f_1	0.97
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.08
Calculation factor - f_{2C}	1.15
Calculation factor - f_{HC}	1
Preload class A	162 N/micron
Preload class B	257 N/micron
Preload class C	355 N/micron
d_1	81.7 mm
d_2	81.7 mm
D_1	88.5 mm
$r_{1,2}$ min.	0.6 mm



BEARING MANUFACTURING DE MEXICO, S.A.D...

$r_{3,4}$ min.	0.3 mm
d_a min.	78.2 mm
d_b min.	78.2 mm
D_a max.	91.8 mm
D_b max.	93 mm
r_a max.	0.6 mm
r_b max.	0.3 mm
d_n	82.4 mm
Basic dynamic load rating C	13.3 kN
Basic static load rating C_0	16 kN
Fatigue load limit P_u	0.68 kN
Attainable speed for grease lubrication	12000 r/min
Attainable speed for oil-air lubrication	18000 r/min
Ball diameter D_w	5.556 mm
Number of balls z	33
Reference grease quantity G_{ref}	1.5 cm ³
Preload class A G_A	120 N
Static axial stiffness, preload class A	162 N/ μ m
Preload class B G_B	360 N
Static axial stiffness, preload class B	257 N/ μ m
Preload class C G_C	720 N
Static axial stiffness, preload class C	355 N/ μ m
Calculation factor f	1.36
Calculation factor f_1	0.97
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.08
Calculation factor f_{2C}	1.15
Calculation factor f_{HC}	1



BEARING MANUFACTURING DE MEXICO,S.A.D...

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	0.14 kg