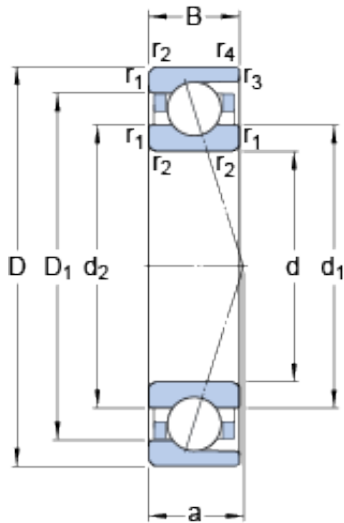




BEARING-SINGAPORE (PTE)LTD.



71815 CD/HCP4 Bearing 2D drawings and 3D CAD models

75 mm x 95 mm x 10 mm SKF 71815 CD/HCP4
angular contact ball bearings

Bearing No. 71815 CD/HCP4

Size	75x95x10 mm
Bore Diameter	75 mm
Outer Diameter	95 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	16.4 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	14.3 kN
Basic static load rating - C ₀	17 kN
Fatigue load limit - P _u	0.72 kN
Limiting speed for grease	16000 r/min



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Lubrication	
Limiting speed for oil lubrication	24000 mm/min
Ball - D_w	5.556 mm
Ball - z	33
G_{ref}	1.5 cm ³
Calculation factor - f_0	17.3
Preload class A - G_A	76 N
Preload class B - G_B	225 N
Preload class C - G_C	450 N
Calculation factor - f	1.36
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.1
Calculation factor - f_{2C}	1.18
Calculation factor - f_{HC}	1.02
Preload class A	77 N/micron
Preload class B	132 N/micron
Preload class C	197 N/micron
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
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



BEARING-SINGAPORE (PTE)LTD.

Basic dynamic load rating C	14.3 kN
Basic static load rating C_0	17 kN
Fatigue load limit P_u	0.72 kN
Attainable speed for grease lubrication	16000 r/min
Attainable speed for oil-air lubrication	24000 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	76 N
Static axial stiffness, preload class A	77 N/ μ m
Preload class B G_B	225 N
Static axial stiffness, preload class B	132 N/ μ m
Preload class C G_C	450 N
Static axial stiffness, preload class C	197 N/ μ m
Calculation factor f	1.36
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.1
Calculation factor f_{2C}	1.18
Calculation factor f_{HC}	1.02
Calculation factor f_0	17.3
Mass bearing	0.13 kg