



71915 CB/P4A Bearing 2D drawings and 3D CAD models

75 mm x 105 mm x 16 mm SKF 71915 CB/P4A angular contact ball bearings

Bearing No. 71915 CB/P4A

Size	105x75x16 mm
Bore Diameter	105 mm
Outer Diameter	75 mm
Width	16 mm
d	75 mm
D	105 mm
B	16 mm
d ₁	85.94 mm
d ₂	84.55 mm
D ₂	97.5 mm
r _{1,2} - min.	1 mm
r _{3,4} - min.	0.6 mm
a	22.3 mm
d _a - min.	79.6 mm
d _b - min.	79.6 mm
D _a - max.	100 mm
D _b - max.	101.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
d _n	86.9 mm
Basic dynamic load rating - C	14 kN
Basic static load rating - C ₀	13.2 kN
Fatigue load limit - P _u	0.56 kN
Limiting speed for grease	17000 r/min

Lubrication	
Limiting speed for oil lubrication	26000 mm/min
Ball - D_w	6.35 mm
Ball - z	34
G_{ref}	4.76 cm ³
Calculation factor - f_0	9.9
Preload class A - G_A	46 N
Preload class B - G_B	92 N
Preload class C - G_C	275 N
Calculation factor - f	1.11
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.07
Calculation factor - f_{HC}	1
Preload class A	46 N/micron
Preload class B	60 N/micron
Preload class C	96 N/micron
d_1	85.94 mm
d_2	84.55 mm
D_2	97.5 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	79.6 mm
d_b min.	79.6 mm
D_a max.	100 mm
D_b max.	101.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
d_n	86.9 mm

Basic dynamic load rating C	19 kN
Basic static load rating C_0	21.2 kN
Fatigue load limit P_u	0.56 kN
Attainable speed for grease lubrication	17000 r/min
Attainable speed for oil-air lubrication	26000 r/min
Ball diameter D_w	6.35 mm
Number of balls z	34
Reference grease quantity G_{ref}	4.76 cm ³
Preload class A G_A	46 N
Static axial stiffness, preload class A	46 N/ μ m
Preload class B G_B	92 N
Static axial stiffness, preload class B	60 N/ μ m
Preload class C G_C	275 N
Static axial stiffness, preload class C	96 N/ μ m
Calculation factor f	1.11
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.07
Calculation factor f_{HC}	1
Calculation factor f_0	9.9
Mass bearing	0.36 kg