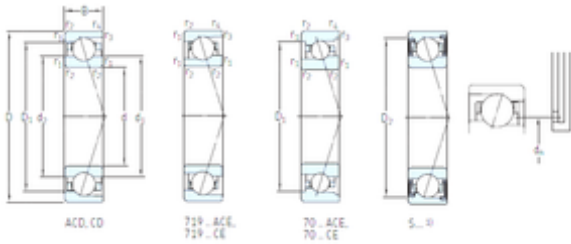


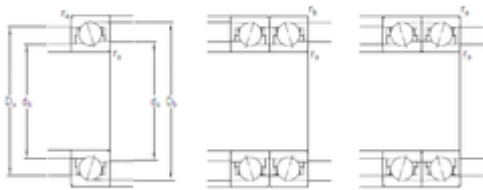


NTL BEARINGS LTD.



S71915 ACB/P4A SKF High Speed Angular Contact Ball Bearings

Bearing No. S71915 ACB/P4A



S71915 ACB/P4A Bearing 2D drawings and 3D CAD models

Size	75x105x16 mm
Bore Diameter	75 mm
Outer Diameter	105 mm
Width	16 mm
d	75 mm
D	105 mm
B	16 mm
C	16 mm
d1	85,9 mm
d2	84,6 mm
r1 min.	1 mm
r2 min.	1 mm
r3 min.	0,6 mm
r4 min.	0,6 mm
D1	97,5 mm
D2	97,5 mm
da min.	79,6 mm
Da max.	100 mm
db min	79,6 mm
ra max.	1 mm
rb max.	0,6 mm
dh	86,9 mm
Db max	101,8 mm
Weight	0,37 Kg
Basic dynamic load rating (C)	13,3 kN



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Basic static load rating (C0)	12,5 kN
(Grease) Lubrication Speed	15 000 r/min
(Oil) Lubrication Speed	24 000 r/min
Fatigue load limit (Pu)	0,52
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	32.3 mm
d _a min.	79.6 mm
d _a max.	85.2 mm
d _b min.	79.6 mm
d _b max.	83.9 mm
D _a max.	100 mm
D _b max.	101.8 mm
r _a max.	1 mm
r _b max.	0.6 mm
Basic dynamic load rating C	17.8 kN
Basic static load rating C ₀	20 kN
Fatigue load limit P _u	0.52 kN
Attainable speed for grease lubrication	15000 r/min
Ball diameter D _w	6.35 mm
Number of balls z	34
Preload class A G _A	80 N
Static axial stiffness, preload class A	120 N/ μ m
Preload class B G _B	160 N
Static axial stiffness, preload class B	155 N/ μ m
Preload class C G _C	480 N
Static axial stiffness, preload	234 N/ μ m



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class C	
Calculation factor f	1.11
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.07
Calculation factor f_{HC}	1
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	0.38 kg