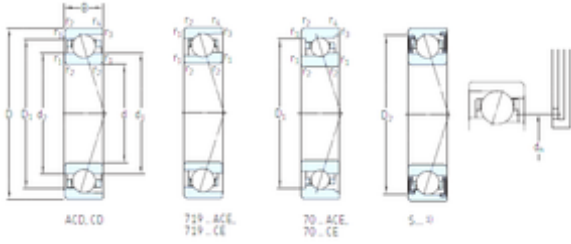


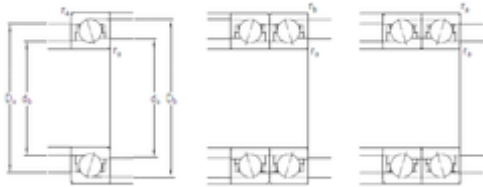


NTN Bearing Rolamentos do Brasil Ltda.



85 mm x 130 mm x 22 mm skf S7017
ACD/HCP4A Super-precision Angular contact ball bearings

Bearing No. S7017 ACD/HCP4A



S7017 ACD/HCP4A Bearing 2D drawings and 3D CAD models

Size	85x130x22 mm
Bore Diameter	85 mm
Outer Diameter	130 mm
Width	22 mm
d	85 mm
D	130 mm
B	22 mm
C	22 mm
d1	98,9 mm
d2	98,9 mm
r1 min.	1,1 mm
r2 min.	1,1 mm
r3 min.	0,6 mm
r4 min.	0,6 mm
D1	116,1 mm
D2	119,1 mm
da min.	91 mm
Da max.	124 mm
db min	91 mm
ra max.	1 mm
rb max.	0,6 mm
dh	101,9 mm
Db max	126 mm
Weight	0,75 Kg
Basic dynamic load rating	63,7 kN



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(C)	
Basic static load rating (C ₀)	62 kN
(Grease) Lubrication Speed	11 000 r/min
(Oil) Lubrication Speed	17 000 r/min
Fatigue load limit (P _u)	2,5
d ₁	98.9 mm
d ₂	98.9 mm
D ₂	119.05 mm
r _{1,2} min.	1.1 mm
r _{3,4} min.	0.6 mm
a	36.2 mm
d _a min.	91 mm
d _a max.	98.3 mm
d _b min.	91 mm
d _b max.	98.3 mm
D _a max.	124 mm
D _b max.	126 mm
r _a max.	1 mm
r _b max.	0.6 mm
Basic dynamic load rating C	63.7 kN
Basic static load rating C ₀	62 kN
Fatigue load limit P _u	2.5 kN
Attainable speed for grease lubrication	11000 r/min
Ball diameter D _w	14.288 mm
Number of balls z	21
Preload class A G _A	400 N
Static axial stiffness, preload class A	258 N/ μ m
Preload class B G _B	800 N
Static axial stiffness, preload class B	338 N/ μ m
Preload class C G _C	1600 N



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Static axial stiffness, preload class C	450 N/ μ m
Preload class D G_D	3200 N
Static axial stiffness, preload class D	609 N/ μ m
Calculation factor f	1.15
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05
Calculation factor f_{2D}	1.08
Calculation factor f_{HC}	1.02
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	0.76 kg