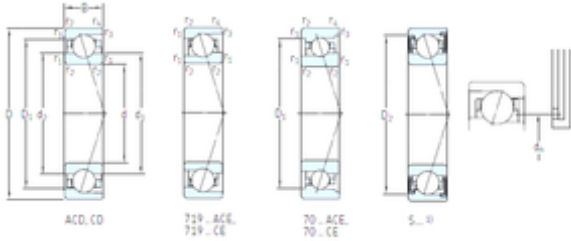


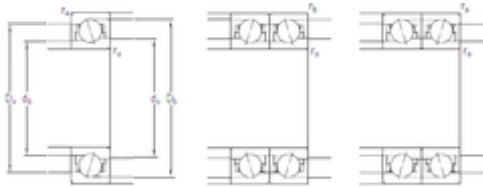


Bearing Rolamentos do Brasil Ltda.



17 mm x 35 mm x 10 mm SKF S7003 CD/P4A
angular contact ball bearings

Bearing No. S7003 CD/P4A



S7003 CD/P4A Bearing 2D drawings and 3D CAD models

Size	17x35x10 mm
Bore Diameter	17 mm
Outer Diameter	35 mm
Width	10 mm
d	17 mm
D	35 mm
B	10 mm
C	10 mm
d1	22,6 mm
d2	22,6 mm
r1 min.	0,3 mm
r2 min.	0,3 mm
r3 min.	0,2 mm
r4 min.	0,2 mm
D1	29,3 mm
D2	32,4 mm
da min.	19 mm
Da max.	33 mm
db min	19 mm
ra max.	0,3 mm
rb max.	0,2 mm
dh	23,7 mm
Db max	33,6 mm
Weight	0,038 Kg
Basic dynamic load rating (C)	6,76 kN



Bearing Rolamentos do Brasil Ltda.

Basic static load rating (C ₀)	3,25 kN
(Grease) Lubrication Speed	50 000 r/min
(Oil) Lubrication Speed	75 000 r/min
Fatigue load limit (P _u)	0,137
d ₁	22.6 mm
d ₂	22.6 mm
D ₂	32.4 mm
r _{1,2} min.	0.3 mm
r _{3,4} min.	0.2 mm
a	8.5 mm
d _a min.	19 mm
d _a max.	22.2 mm
d _b min.	19 mm
d _b max.	22.2 mm
D _a max.	33 mm
D _b max.	33.6 mm
r _a max.	0.3 mm
r _b max.	0.2 mm
Basic dynamic load rating C	6.76 kN
Basic static load rating C ₀	3.25 kN
Fatigue load limit P _u	0.137 kN
Attainable speed for grease lubrication	50000 r/min
Ball diameter D _w	5.556 mm
Number of balls z	12
Preload class A G _A	25 N
Static axial stiffness, preload class A	19 N/ μ m
Preload class B G _B	50 N
Static axial stiffness, preload class B	26 N/ μ m
Preload class C G _C	100 N
Static axial stiffness, preload	35 N/ μ m



Bearing Rolamentos do Brasil Ltda.

class C	
Preload class D G_D	200 N
Static axial stiffness, preload class D	50 N/ μ m
Calculation factor f	1.04
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05
Calculation factor f_{2D}	1.09
Calculation factor f_{HC}	1
Calculation factor f_0	9.1
Mass bearing	0.038 kg