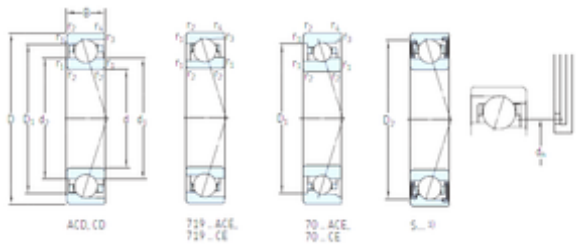


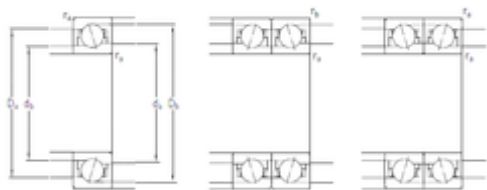


LINEAR BEARINGS CO.,LTD



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

Bearing No. S7003 CE/P4A



S7003 CE/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	22,7 mm
d2	21,1 mm
r1 min.	0,3 mm
r2 min.	0,3 mm
r3 min.	0,15 mm
r4 min.	0,15 mm
D1	31,2 mm
D2	31,2 mm
da min.	19 mm
Da max.	33 mm
db min	19 mm
ra max.	0,3 mm
rb max.	0,15 mm
dh	24,1 mm
Db max	33,6 mm
Weight	0,035 Kg
Basic dynamic load rating (C)	5,85 kN



LINEAR BEARINGS CO.,LTD

Basic static load rating (C0)	2,55 kN
(Grease) Lubrication Speed	63 000 r/min
(Oil) Lubrication Speed	95 000 r/min
Fatigue load limit (Pu)	0,108
d ₁	22.7 mm
d ₂	21.1 mm
D ₂	31.2 mm
r _{1,2} min.	0.3 mm
r _{3,4} min.	0.15 mm
a	8.6 mm
d _a min.	19 mm
d _a max.	22.3 mm
d _b min.	19 mm
d _b max.	20.7 mm
D _a max.	33 mm
D _b max.	33.6 mm
r _a max.	0.3 mm
r _b max.	0.15 mm
Basic dynamic load rating C	5.85 kN
Basic static load rating C ₀	2.55 kN
Fatigue load limit P _u	0.108 kN
Attainable speed for grease lubrication	63000 r/min
Ball diameter D _w	5.556 mm
Number of balls z	12
Preload class A G _A	30 N
Static axial stiffness, preload class A	18 N/ μ m
Preload class B G _B	90 N
Static axial stiffness, preload class B	28 N/ μ m
Preload class C G _C	185 N
Static axial stiffness, preload	39 N/ μ m



LINEAR BEARINGS CO.,LTD

class C	
Calculation factor f	1.04
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1
Calculation factor f_0	7.2
Mass bearing	0.037 kg