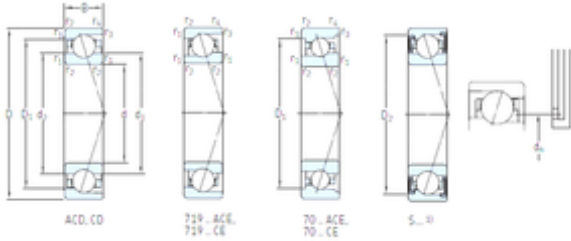


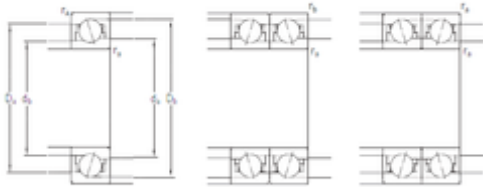


# NTPT NTK BEARINGS CO.,LTD.



17 mm x 35 mm x 10 mm SKF S7003 CE/P4A  
Angular contact ball bearing

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



## NTPT NTK 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 <sub>1</sub>	22.7 mm
d <sub>2</sub>	21.1 mm
D <sub>2</sub>	31.2 mm
r <sub>1,2</sub> min.	0.3 mm
r <sub>3,4</sub> min.	0.15 mm
a	8.6 mm
d <sub>a</sub> min.	19 mm
d <sub>a</sub> max.	22.3 mm
d <sub>b</sub> min.	19 mm
d <sub>b</sub> max.	20.7 mm
D <sub>a</sub> max.	33 mm
D <sub>b</sub> max.	33.6 mm
r <sub>a</sub> max.	0.3 mm
r <sub>b</sub> max.	0.15 mm
Basic dynamic load rating C	5.85 kN
Basic static load rating C <sub>0</sub>	2.55 kN
Fatigue load limit P <sub>u</sub>	0.108 kN
Attainable speed for grease lubrication	63000 r/min
Ball diameter D <sub>w</sub>	5.556 mm
Number of balls z	12
Preload class A G <sub>A</sub>	30 N
Static axial stiffness, preload class A	18 N/ μ m
Preload class B G <sub>B</sub>	90 N
Static axial stiffness, preload class B	28 N/ μ m
Preload class C G <sub>C</sub>	185 N
Static axial stiffness, preload	39 N/ μ m



## NTPT NTK 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