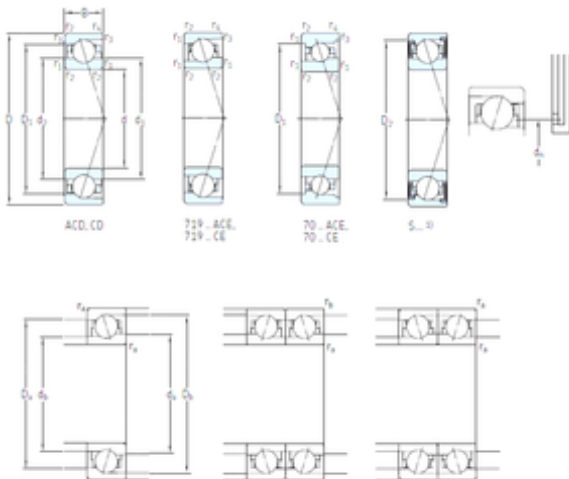




Bearing No. S7003 CE/P4A

a	8.6 mm
d	17 mm
D	35 mm
B	10 mm
C	10 mm
dh	24,1 mm
D2	31,2 mm
d1	22,7 mm
d2	21,1 mm
D1	31,2 mm
Db max	33,6 mm
db min	19 mm
Weight	0,035 Kg
rb max.	0,15 mm
ra max.	0,3 mm
Da max.	33 mm
r3 min.	0,15 mm
da min.	19 mm
r4 min.	0,15 mm
r2 min.	0,3 mm
r1 min.	0,3 mm
Size (mm)	17x35x10
Width (mm)	10
Mass bearing	0.037 kg
d ₁	22.7 mm
d ₂	21.1 mm
D ₂	31.2 mm
Bearing number	S7003 CE/P4A
Number of balls z	12
d _a max.	22.3 mm

r_a max.	0.3 mm
D_b max.	33.6 mm
D_a max.	33 mm
d_b max.	20.7 mm
d_b min.	19 mm
Bore Diameter (mm)	17
d_a min.	19 mm
r_b max.	0.15 mm
Outer Diameter (mm)	35
$r_{3,4}$ min.	0.15 mm
$r_{1,2}$ min.	0.3 mm
Calculation factor f	1.04
(Oil) Lubrication Speed	95 000 r/min
Fatigue load limit (Pu)	0,108
(Grease) Lubrication Speed	63 000 r/min
Basic dynamic load rating C	5.85 kN
Ball diameter D_w	5.556 mm
Preload class B G_B	90 N
Basic static load rating (C0)	2,55 kN
Preload class C G_C	185 N
Preload class A G_A	30 N
Basic dynamic load rating (C)	5,85 kN
Fatigue load limit P_u	0.108 kN
Calculation factor f_1	1
Calculation factor f_0	7.2
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1

Basic static load rating C_0	2.55 kN
Static axial stiffness, preload class A	18 N/ μ m
Static axial stiffness, preload class B	28 N/ μ m
Static axial stiffness, preload class C	39 N/ μ m
Attainable speed for grease lubrication	63000 r/min