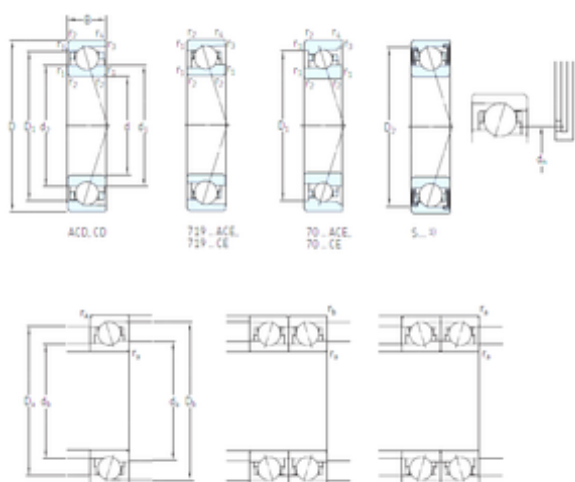




Bearing No. S7003 CD/P4A

a	8.5 mm
d	17 mm
D	35 mm
B	10 mm
C	10 mm
dh	23,7 mm
D2	32,4 mm
d1	22,6 mm
d2	22,6 mm
D1	29,3 mm
Db max	33,6 mm
db min	19 mm
Weight	0,038 Kg
rb max.	0,2 mm
ra max.	0,3 mm
Da max.	33 mm
r3 min.	0,2 mm
da min.	19 mm
r4 min.	0,2 mm
r2 min.	0,3 mm
r1 min.	0,3 mm
Size (mm)	17x35x10
Width (mm)	10
Mass bearing	0.038 kg
d ₁	22.6 mm
D ₂	32.4 mm
d ₂	22.6 mm
Bearing number	S7003 CD/P4A
Number of balls z	12
r _b max.	0.2 mm

Bore Diameter (mm)	17
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
Outer Diameter (mm)	35
$r_{1,2}$ min.	0.3 mm
Calculation factor f	1.04
$r_{3,4}$ min.	0.2 mm
Fatigue load limit (Pu)	0,137
(Oil) Lubrication Speed	75 000 r/min
(Grease) Lubrication Speed	50 000 r/min
Basic dynamic load rating C	6.76 kN
Ball diameter D_w	5.556 mm
Basic dynamic load rating (C)	6,76 kN
Basic static load rating (C0)	3,25 kN
Preload class A G_A	25 N
Preload class B G_B	50 N
Preload class C G_C	100 N
Preload class D G_D	200 N
Fatigue load limit P_u	0.137 kN
Calculation factor f_0	9.1
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{HC}	1
Calculation factor f_{2D}	1.09

Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.02
Basic static load rating C_0	3.25 kN
Static axial stiffness, preload class C	35 N/ μ m
Static axial stiffness, preload class D	50 N/ μ m
Static axial stiffness, preload class B	26 N/ μ m
Static axial stiffness, preload class A	19 N/ μ m
Attainable speed for grease lubrication	50000 r/min