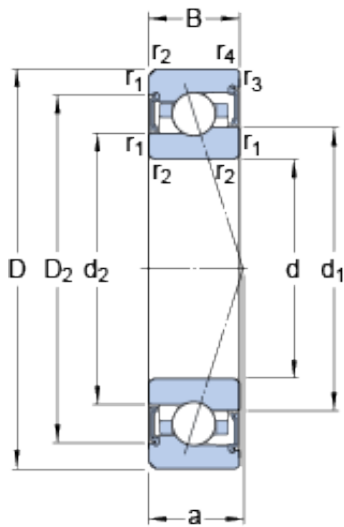




Bearing No. S7003 CE/HCP4A

D	35 mm
d	17 mm
B	10 mm
a	8.6 mm
Ball - z	12
Size (mm)	35x17x10
Width (mm)	10
Mass bearing	0.032 kg
D ₂	31.2 mm
d ₂	21.1 mm
d ₁	22.7 mm
d ₂	21.1 mm
D ₂	31.2 mm
d ₁	22.7 mm
Bearing number	S7003 CE/HCP4A
Preload class B	31 N/micron
Preload class A	20 N/micron
Preload class C	43 N/micron
Number of balls z	12
Bore Diameter (mm)	35
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
Outer Diameter (mm)	17
r _{3,4} min.	0.15 mm

d_b - min.	19 mm
Calculation factor f	1.04
d_a - max.	22.3 mm
$r_{1,2}$ min.	0.3 mm
D_a - max.	33 mm
d_b - max.	20.7 mm
D_b - max.	33.6 mm
r_a - max.	0.3 mm
d_a - min.	19 mm
Ball - D_w	5.556 mm
r_b - max.	0.15 mm
$r_{3,4}$ - min.	0.15 mm
Calculation factor - f	1.04
$r_{1,2}$ - min.	0.3 mm
Basic dynamic load rating C	5.85 kN
Ball diameter D_w	5.556 mm
Basic dynamic load rating - C	5.8 kN
Preload class A G_A	30 N
Preload class B G_B	90 N
Preload class C G_C	185 N
Preload class A - G_A	30 N
Preload class B - G_B	90 N
Preload class C - G_C	185 N
Fatigue load limit P_u	0.108 kN
Calculation factor f_1	1
Calculation factor f_0	7.2
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1.01
Calculation factor f_{2B}	1.03
Calculation factor f_{2A}	1

Calculation factor - f	1
Calculation factor - f_0	7.2
Fatigue load limit - P_u	0.108 kN
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2B}	1.03
Calculation factor - f_{HC}	1.01
Limiting speed for grease lubrication	75000 r/min
Basic static load rating C_0	2.55 kN
Static axial stiffness, preload class B	31 N/ μ m
Static axial stiffness, preload class C	43 N/ μ m
Static axial stiffness, preload class A	20 N/ μ m
Attainable speed for grease lubrication	75000 r/min
Basic static load rating - C_0	2.6 kN