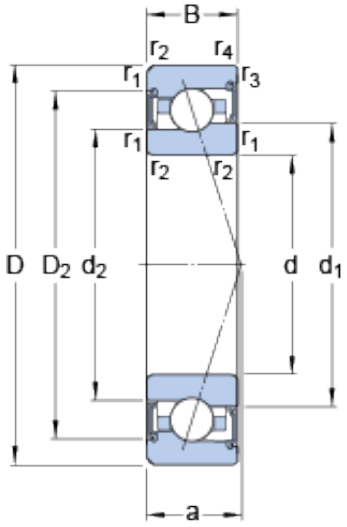
Loyal | S7009 CE/P4A



Bearing No. S7009 CE/P4A

D	75 mm
d	45 mm
B	16 mm
a	16.1 mm
Ball - z	21
Size (mm)	75x45x16
Width (mm)	16
Mass bearing	0.25 kg
D_2	66.85 mm
d_2	53.6 mm
d_1	55.7 mm
d_2	53.6 mm
D_2	66.85 mm
d_1	55.7 mm
Bearing number	S7009 CE/P4A
Preload class B	59 N/micron
Preload class A	38 N/micron
Preload class C	79 N/micron
Number of balls z	21
Bore Diameter (mm)	75
d_a min.	49.6 mm
d_a max.	55.1 mm
d_b min.	49.6 mm
d_b max.	53 mm
D_a max.	70.4 mm
D_b max.	70.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Outer Diameter (mm)	45
$r_{3,4}$ min.	0.6 mm

d_b - min.	49.6 mm
Calculation factor f	1.06
d_a - max.	55.1 mm
$r_{1,2}$ min.	1 mm
D_a - max.	70.4 mm
d_b - max.	53 mm
D_b - max.	70.8 mm
r_a - max.	1 mm
d_a - min.	49.6 mm
Ball - D_w	7.144 mm
r_b - max.	0.6 mm
$r_{3,4}$ - min.	0.6 mm
Calculation factor - f	1.06
$r_{1,2}$ - min.	1 mm
Basic dynamic load rating C	13 kN
Ball diameter D_w	7.144 mm
Basic dynamic load rating - C	13 kN
Preload class A G_A	70 N
Preload class B G_B	210 N
Preload class C G_C	410 N
Preload class A - G_A	70 N
Preload class B - G_B	210 N
Preload class C - G_C	410 N
Fatigue load limit P_u	0.36 kN
Calculation factor f_1	1
Calculation factor f_0	8.2
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2A}	1

Calculation factor - f	1
Calculation factor - f_0	8.2
Fatigue load limit - P_u	0.36 kN
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2B}	1.03
Calculation factor - f_{HC}	1
Limiting speed for grease lubrication	27000 r/min
Basic static load rating C_0	8.5 kN
Static axial stiffness, preload class B	59 N/µm
Static axial stiffness, preload class C	79 N/µm
Static axial stiffness, preload class A	38 N/µm
Attainable speed for grease lubrication	27000 r/min
Basic static load rating - C_0	8.5 kN