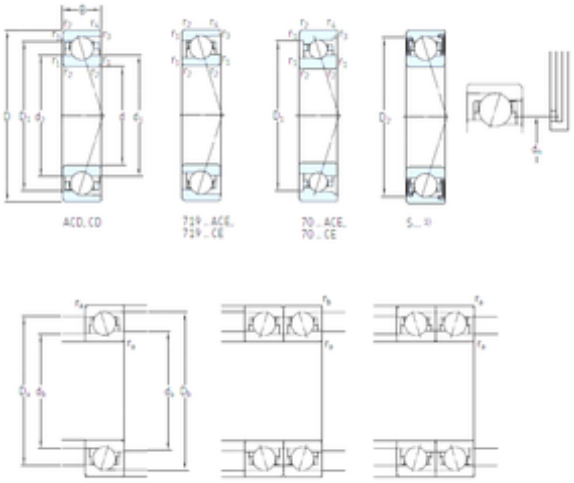
Loyal | S7009 CE/HCP4A



Bearing No. S7009 CE/HCP4A

a	16.1 mm
d	45 mm
D	75 mm
B	16 mm
C	16 mm
dh	57,6 mm
D2	66,9 mm
d1	55,7 mm
d2	53,6 mm
D1	66,9 mm
Db max	70,8 mm
db min	49,6 mm
Weight	0,22 Kg
rb max.	0,6 mm
ra max.	1 mm
Da max.	70,4 mm
r3 min.	0,6 mm
da min.	49,6 mm
r4 min.	0,6 mm
r2 min.	1 mm
r1 min.	1 mm
Size (mm)	45x75x16
Width (mm)	16
Mass bearing	0.23 kg
d_1	55.7 mm
d_2	53.6 mm
D_2	66.85 mm
Bearing number	S7009 CE/HCP4A
Number of balls z	21
d_a max.	55.1 mm

r_a max.	1 mm
D_b max.	70.8 mm
D_a max.	70.4 mm
d_b max.	53 mm
d_b min.	49.6 mm
Bore Diameter (mm)	45
d_a min.	49.6 mm
r_b max.	0.6 mm
Outer Diameter (mm)	75
$r_{3,4}$ min.	0.6 mm
$r_{1,2}$ min.	1 mm
Calculation factor f	1.06
(Oil) Lubrication Speed	50 000 r/min
Fatigue load limit (Pu)	0,36
(Grease) Lubrication Speed	32 000 r/min
Basic dynamic load rating C	13 kN
Ball diameter D_w	7.144 mm
Preload class B G_B	210 N
Basic static load rating (C0)	8,5 kN
Preload class C G_C	410 N
Preload class A G_A	70 N
Basic dynamic load rating (C)	13 kN
Fatigue load limit P_u	0.36 kN
Calculation factor f_1	1
Calculation factor f_0	8.2
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1.01

Basic static load rating C_0	8.5 kN
Static axial stiffness, preload class A	42 N/µm
Static axial stiffness, preload class B	65 N/µm
Static axial stiffness, preload class C	88 N/µm
Attainable speed for grease lubrication	32000 r/min