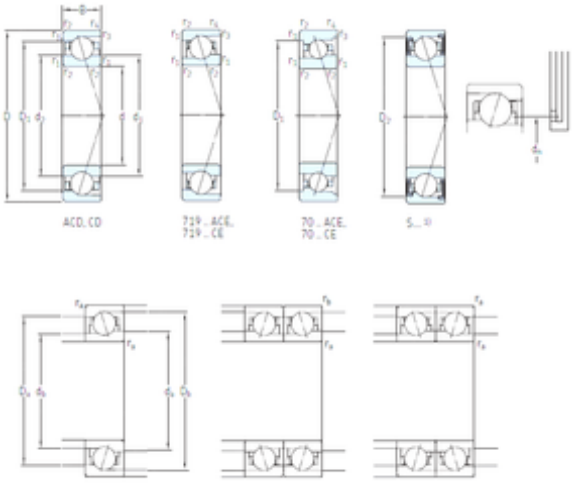
Loyal | S7008 ACE/HCP4A



Bearing No. S7008 ACE/HCP4A

a	20.3 mm
C	15 mm
d	40 mm
D	68 mm
B	15 mm
D2	60,9 mm
D1	60,9 mm
d2	47,6 mm
dh	51,6 mm
d1	49,7 mm
Db max	63,8 mm
Weight	0,17 Kg
db min	44,6 mm
r2 min.	1 mm
r3 min.	0,6 mm
r4 min.	0,6 mm
da min.	44,6 mm
Da max.	63,4 mm
ra max.	1 mm
rb max.	0,6 mm
r1 min.	1 mm
Size (mm)	40x68x15
Width (mm)	15
Mass bearing	0.17 kg
d_1	49.7 mm
d_2	47.6 mm
D_2	60.85 mm
Bearing number	S7008 ACE/HCP4A
Number of balls z	19
d_b min.	44.6 mm

r_b max.	0.6 mm
r_a max.	1 mm
D_b max.	63.8 mm
D_a max.	63.4 mm
d_b max.	47 mm
Bore Diameter (mm)	40
d_a min.	44.6 mm
d_a max.	49.1 mm
Outer Diameter (mm)	68
$r_{3,4}$ min.	0.6 mm
Calculation factor e	0.68
Calculation factor f	1.06
$r_{1,2}$ min.	1 mm
Fatigue load limit (Pu)	0,305
(Oil) Lubrication Speed	50 000 r/min
(Grease) Lubrication Speed	32 000 r/min
Basic dynamic load rating C	11.7 kN
Ball diameter D_w	7.144 mm
Preload class C G_C	630 N
Preload class B G_B	310 N
Basic static load rating (C0)	7,2 kN
Preload class A G_A	105 N
Basic dynamic load rating (C)	11,7 kN
Fatigue load limit P_u	0.305 kN
Calculation factor f_1	0.99
Calculation factor f_{2C}	1.06
Calculation factor f_{HC}	1.01
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03

Basic static load rating C_0	7.2 kN
Static axial stiffness, preload class C	187 N/µm
Static axial stiffness, preload class B	143 N/µm
Static axial stiffness, preload class A	96 N/µm
Attainable speed for grease lubrication	32000 r/min
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (single, tandem) Y_0	0.38
Calculation factor (single, tandem) X_2	0.41
Calculation factor (back-to-back, face-to-face) Y_1	0.92
Calculation factor (back-to-back, face-to-face) Y_2	1.41
Calculation factor (back-to-back, face-to-face) Y_0	0.76
Calculation factor (back-to-back, face-to-face) X_2	0.67