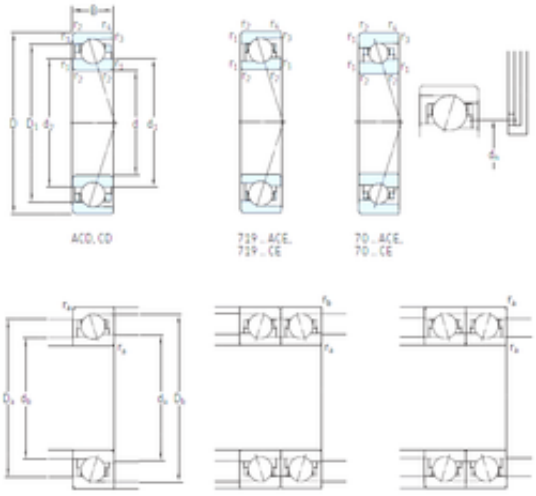
Loyal | 7004 ACE/HCP4A



Bearing No. 7004 ACE/HCP4A

a	13.2 mm
d	20 mm
D	42 mm
B	12 mm
C	12 mm
dh	28,1 mm
D2	36,5 mm
d1	26,6 mm
d2	24,8 mm
D1	36,5 mm
Db max	39,6 mm
db min	22 mm
Weight	0,056 Kg
rb max.	0,3 mm
ra max.	0,6 mm
Da max.	40 mm
r4 min.	0,3 mm
da min.	22 mm
r3 min.	0,3 mm
r2 min.	0,6 mm
r1 min.	0,6 mm
Size (mm)	20x42x12
Width (mm)	12
Mass bearing	0.056 kg
d_1	26.6 mm
d_n	28.1 mm
D_1	34.21 mm
d_2	24.8 mm
Bearing number	7004 ACE/HCP4A
Number of balls z	12

d_a min.	22 mm
d_b min.	22 mm
D_a max.	40 mm
D_b max.	39.6 mm
r_a max.	0.6 mm
r_b max.	0.3 mm
Bore Diameter (mm)	20
Outer Diameter (mm)	42
Calculation factor e	0.68
Calculation factor f	1.04
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
(Oil) Lubrication Speed	88 000 r/min
Fatigue load limit (Pu)	0,137
(Grease) Lubrication Speed	58 000 r/min
Ball diameter D_w	6.35 mm
Basic dynamic load rating C	7.15 kN
Basic dynamic load rating (C)	7,15 kN
Preload class A G_A	64 N
Preload class B G_B	193 N
Preload class C G_C	390 N
Basic static load rating (C0)	3,25 kN
Calculation factor f_1	0.99
Fatigue load limit P_u	0.137 kN
Calculation factor f_{HC}	1.01
Calculation factor f_{2C}	1.06
Calculation factor f_{2B}	1.03
Calculation factor f_{2A}	1
Basic static load rating C_0	3.25 kN

Static axial stiffness, preload class C	113 N/µm
Static axial stiffness, preload class B	86 N/µm
Static axial stiffness, preload class A	58 N/µm
Attainable speed for grease lubrication	58000 r/min
Attainable speed for oil-air lubrication	88000 r/min
Reference grease quantity G_{ref}	1.1 cm³
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