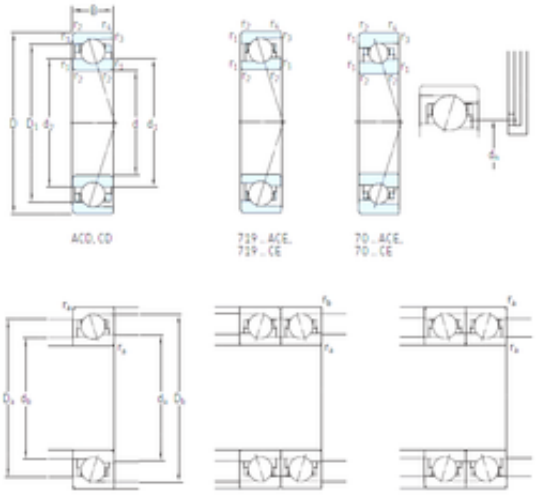
Loyal | 7013 ACB/HCP4A



Bearing No. 7013 ACB/HCP4A

a	28.4 mm
d	65 mm
D	100 mm
B	18 mm
C	18 mm
dh	79 mm
D2	89,7 mm
d1	78 mm
d2	76,4 mm
D1	89,7 mm
Db max	96,8 mm
db min	71 mm
Weight	0,45 Kg
rb max.	0,6 mm
ra max.	1 mm
Da max.	94 mm
r4 min.	0,6 mm
da min.	71 mm
r3 min.	0,6 mm
r2 min.	1,1 mm
r1 min.	1,1 mm
Size (mm)	65x100x18
Width (mm)	18
Mass bearing	0.45 kg
d_1	78 mm
d_n	79 mm
D_2	89.69 mm
d_2	76.36 mm
Bearing number	7013 ACB/HCP4A
Number of balls z	27

d_a min.	71 mm
d_b min.	71 mm
D_a max.	94 mm
D_b max.	96.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Bore Diameter (mm)	65
Outer Diameter (mm)	100
Calculation factor e	0.68
Calculation factor f	1.07
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
(Oil) Lubrication Speed	30 000 r/min
Fatigue load limit (Pu)	0,52
(Grease) Lubrication Speed	19 000 r/min
Ball diameter D_w	7.144 mm
Basic dynamic load rating C	19 kN
Basic dynamic load rating (C)	14,6 kN
Preload class A G_A	85 N
Preload class B G_B	170 N
Preload class C G_C	510 N
Basic static load rating (C0)	12,2 kN
Calculation factor f_1	0.99
Fatigue load limit P_u	0.52 kN
Calculation factor f_{HC}	1.01
Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.02
Calculation factor f_{2A}	1
Basic static load rating C_0	20 kN

Static axial stiffness, preload class C	230 N/µm
Static axial stiffness, preload class B	153 N/µm
Static axial stiffness, preload class A	120 N/µm
Attainable speed for grease lubrication	19000 r/min
Attainable speed for oil-air lubrication	30000 r/min
Reference grease quantity G_{ref}	5.49 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