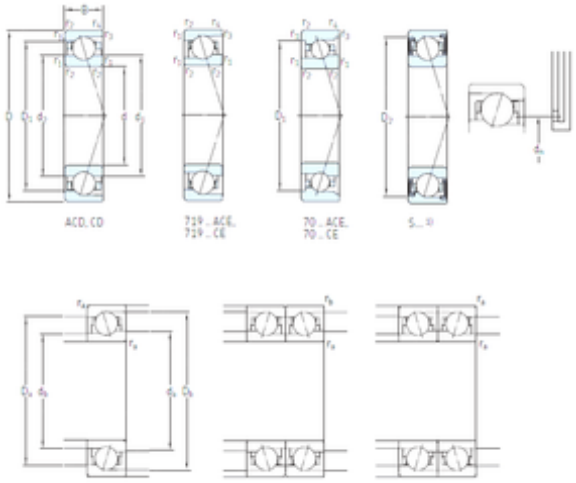
Loyal | S7019 ACD/HCP4A



Bearing No. S7019 ACD/HCP4A

a	40.1 mm
d	95 mm
D	145 mm
B	24 mm
C	24 mm
dh	113,7 mm
D2	133,3 mm
d1	110,4 mm
d2	110,4 mm
D1	129,6 mm
Db max	141 mm
db min	102 mm
Weight	1 Kg
rb max.	1 mm
ra max.	1,5 mm
Da max.	138 mm
r3 min.	1 mm
da min.	102 mm
r4 min.	1 mm
r2 min.	1,5 mm
r1 min.	1,5 mm
Size (mm)	95x145x24
Width (mm)	24
Mass bearing	1.01 kg
d_1	110.4 mm
D_2	133.25 mm
d_2	110.4 mm
Bearing number	S7019 ACD/HCP4A
Number of balls z	21
d_a max.	109.8 mm

d_a min.	102 mm
Bore Diameter (mm)	95
d_b min.	102 mm
d_b max.	109.8 mm
D_a max.	138 mm
D_b max.	141 mm
r_a max.	1.5 mm
r_b max.	1 mm
Outer Diameter (mm)	145
Calculation factor e	0.68
Calculation factor f	1.15
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1 mm
Fatigue load limit (Pu)	2,9
(Oil) Lubrication Speed	16 000 r/min
(Grease) Lubrication Speed	10 000 r/min
Ball diameter D_w	15.875 mm
Basic dynamic load rating C	76.1 kN
Preload class A G_A	480 N
Basic dynamic load rating (C)	76,1 kN
Preload class B G_B	960 N
Preload class C G_C	1920 N
Preload class D G_D	3840 N
Basic static load rating (C0)	76,5 kN
Calculation factor f_1	0.99
Fatigue load limit P_u	2.9 kN
Calculation factor f_{2B}	1.02
Calculation factor f_{HC}	1.02
Calculation factor f_{2D}	1.08

Calculation factor f_{2C}	1.05
Calculation factor f_{2A}	1
Basic static load rating C_0	76.5 kN
Static axial stiffness, preload class D	673 N/µm
Static axial stiffness, preload class C	497 N/µm
Static axial stiffness, preload class B	374 N/µm
Attainable speed for grease lubrication	10000 r/min
Static axial stiffness, preload class A	286 N/µm
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