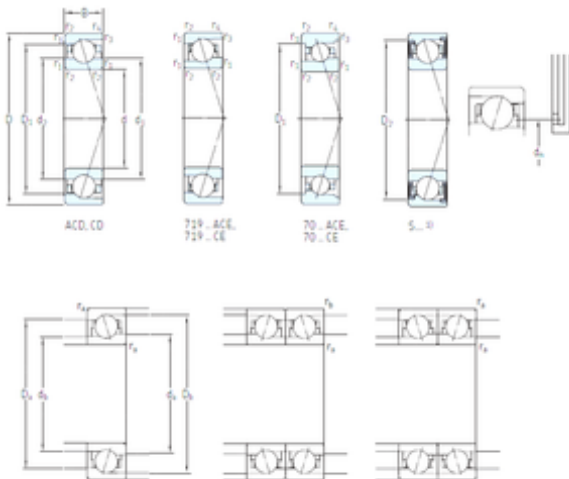




Bearing No. S7016 CD/HCP4A

a	24.8 mm
d	80 mm
D	125 mm
B	22 mm
C	22 mm
dh	96,9 mm
D2	114 mm
d1	93,9 mm
d2	93,9 mm
D1	111,1 mm
Db max	121 mm
db min	86 mm
Weight	0,71 Kg
rb max.	0,6 mm
ra max.	1 mm
Da max.	119 mm
r3 min.	0,6 mm
da min.	86 mm
r4 min.	0,6 mm
r2 min.	1,1 mm
r1 min.	1,1 mm
Size (mm)	80x125x22
Width (mm)	22
Mass bearing	0.72 kg
d ₁	93.9 mm
D ₂	113.95 mm
d ₂	93.9 mm
Bearing number	S7016 CD/HCP4A
Number of balls z	20
r _b max.	0.6 mm

Bore Diameter (mm)	80
d_a min.	86 mm
d_a max.	93.3 mm
d_b min.	86 mm
d_b max.	93.3 mm
D_a max.	119 mm
D_b max.	121 mm
r_a max.	1 mm
Outer Diameter (mm)	125
$r_{1,2}$ min.	1.1 mm
Calculation factor f	1.13
$r_{3,4}$ min.	0.6 mm
Fatigue load limit (Pu)	2,55
(Oil) Lubrication Speed	20 000 r/min
(Grease) Lubrication Speed	13 000 r/min
Basic dynamic load rating C	65 kN
Ball diameter D_w	14.288 mm
Basic dynamic load rating (C)	65 kN
Basic static load rating (C0)	61 kN
Preload class A G_A	240 N
Preload class B G_B	480 N
Preload class C G_C	960 N
Preload class D G_D	1920 N
Fatigue load limit P_u	2.55 kN
Calculation factor f_0	15.5
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{HC}	1.02
Calculation factor f_{2D}	1.09

Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.02
Basic static load rating C_0	61 kN
Static axial stiffness, preload class C	194 N/ μ m
Static axial stiffness, preload class D	282 N/ μ m
Static axial stiffness, preload class B	139 N/ μ m
Static axial stiffness, preload class A	102 N/ μ m
Attainable speed for grease lubrication	13000 r/min