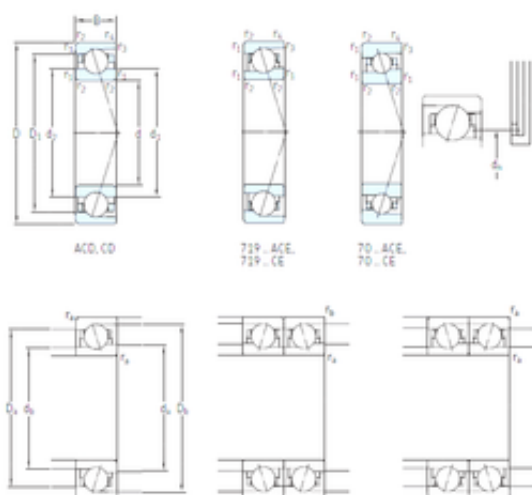




Bearing No. 7001 ACD/HCP4A

a	8.7 mm
d	12 mm
D	28 mm
B	8 mm
C	8 mm
dh	18 mm
D2	25,5 mm
d1	17,1 mm
d2	17,1 mm
D1	22,9 mm
Db max	26,6 mm
db min	14 mm
Weight	0,018 Kg
rb max.	0,2 mm
ra max.	0,3 mm
Da max.	26 mm
r4 min.	0,2 mm
da min.	14 mm
r3 min.	0,2 mm
r2 min.	0,3 mm
r1 min.	0,3 mm
Size (mm)	12x28x8
Width (mm)	8
Mass bearing	0.018 kg
d ₁	17.1 mm
d _n	18 mm
D ₁	22.9 mm
d ₂	17.1 mm
Bearing number	7001 ACD/HCP4A
Number of balls z	10

d_b min.	14 mm
d_a min.	14 mm
D_a max.	26 mm
D_b max.	26.6 mm
r_a max.	0.3 mm
r_b max.	0.2 mm
Bore Diameter (mm)	12
Outer Diameter (mm)	28
Calculation factor e	0.68
Calculation factor f	1.03
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.2 mm
(Oil) Lubrication Speed	110 000 r/min
Fatigue load limit (Pu)	0,078
(Grease) Lubrication Speed	70 000 r/min
Ball diameter D_w	4.762 mm
Basic dynamic load rating C	4.36 kN
Basic static load rating (C0)	1,83 kN
Preload class A G_A	25 N
Basic dynamic load rating (C)	4,36 kN
Preload class B G_B	50 N
Preload class C G_C	100 N
Preload class D G_D	200 N
Calculation factor f_1	0.99
Fatigue load limit P_u	0.078 kN
Calculation factor f_{HC}	1.02
Calculation factor f_{2D}	1.08
Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.02

Calculation factor f_{2A}	1
Basic static load rating C_0	1.83 kN
Static axial stiffness, preload class D	84 N/ μ m
Static axial stiffness, preload class C	64 N/ μ m
Static axial stiffness, preload class B	49 N/ μ m
Attainable speed for grease lubrication	70000 r/min
Static axial stiffness, preload class A	38 N/ μ m
Attainable speed for oil- air lubrication	110000 r/min
Reference grease quantity G_{ref}	0.27 cm ³
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