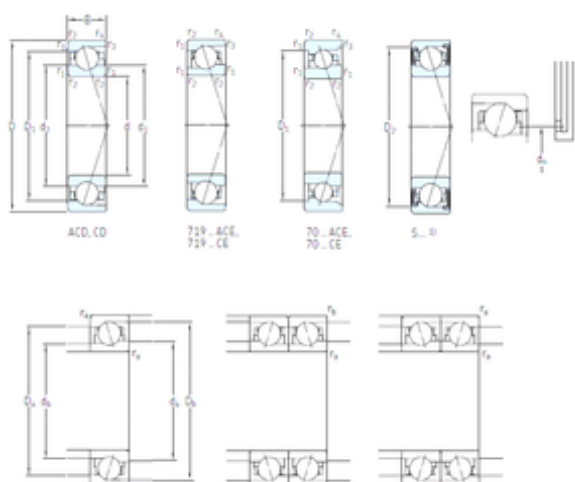




Bearing No. S7005 CE/HCP4A

a	10.8 mm
d	25 mm
D	47 mm
B	12 mm
C	12 mm
dh	33,1 mm
D2	41,5 mm
d1	31,6 mm
d2	29,8 mm
D1	41,5 mm
Db max	44,6 mm
db min	28,2 mm
Weight	0,065 Kg
rb max.	0,3 mm
ra max.	0,6 mm
Da max.	43,8 mm
r3 min.	0,3 mm
da min.	28,2 mm
r4 min.	0,3 mm
r2 min.	0,6 mm
r1 min.	0,6 mm
Size (mm)	25x47x12
Width (mm)	12
Mass bearing	0.068 kg
d ₁	31.6 mm
d ₂	29.8 mm
D ₂	41.5 mm
Bearing number	S7005 CE/HCP4A
Number of balls z	14
d _a max.	31.2 mm

r_a max.	0.6 mm
D_b max.	44.6 mm
D_a max.	43.8 mm
d_b max.	29.4 mm
d_b min.	28.2 mm
Bore Diameter (mm)	25
d_a min.	28.2 mm
r_b max.	0.3 mm
Outer Diameter (mm)	47
$r_{3,4}$ min.	0.3 mm
$r_{1,2}$ min.	0.6 mm
Calculation factor f	1.05
(Oil) Lubrication Speed	85 000 r/min
Fatigue load limit (Pu)	0,173
(Grease) Lubrication Speed	56 000 r/min
Basic dynamic load rating C	8.32 kN
Ball diameter D_w	6.35 mm
Preload class B G_B	130 N
Basic static load rating (C0)	4,15 kN
Preload class C G_C	260 N
Preload class A G_A	45 N
Basic dynamic load rating (C)	8,32 kN
Fatigue load limit P_u	0.173 kN
Calculation factor f_1	1
Calculation factor f_0	7.5
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1.01

Basic static load rating C_0	4.15 kN
Static axial stiffness, preload class A	27 N/ μ m
Static axial stiffness, preload class B	41 N/ μ m
Static axial stiffness, preload class C	56 N/ μ m
Attainable speed for grease lubrication	56000 r/min