

# SKF 7008 CB/HCP4AL angular contact ball bearings

What is SKF 7008 CB/HCP4AL angular contact ball bearings in mechanical engineering? Manufacturing Service . Upload your CAD file 68 Outer Diameter (mm) for 45x68x12 Size (mm) an instant. 45 Bore Diameter (mm)

Size (mm)	45x68x12
Bore Diameter (mm)	45
Outer Diameter (mm)	68
Width (mm)	12
d	45 mm
D	68 mm
B	12 mm
d1	53.45 mm
d2	52.4 mm
D2	61.8 mm
r1,2 – min.	0.6 mm
r3,4 – min.	0.3 mm
a	16.1 mm
da – min.	48.2 mm
da – max.	52.9 mm
db – min.	48.2 mm
db – max.	51.8 mm
Da – max.	64.8 mm
Db – max.	66 mm
ra – max.	0.6 mm
rb – max.	0.3 mm

Basic dynamic load rating – C	7.4 kN
Basic static load rating – C0	5.7 kN
Fatigue load limit – Pu	0.245 kN
Limiting speed for grease lubrication	28000 r/min
Ball – Dw	4.762 mm
Ball – z	27
Calculation factor – f0	9.7
Preload class A – GA	24 N
Preload class B – GB	48 N
Preload class C – GC	145 N
Calculation factor – f	1
Calculation factor – f2A	1
Calculation factor – f2B	1.02
Calculation factor – f2C	1.07
Calculation factor – fHC	1
Preload class A	28 N/micron
Preload class B	37 N/micron
Preload class C	60 N/micron
r1,2 min.	0.6 mm
r3,4 min.	0.3 mm
da min.	48.2 mm
da max.	52.9 mm
db min.	48.2 mm
db max.	51.8 mm
Da max.	64.8 mm
Db max.	66 mm
ra max.	0.6 mm
rb max.	0.3 mm
Basic dynamic load rating C	9.95 kN

Basic static load rating $C_0$	9.65 kN
Fatigue load limit $P_u$	0.245 kN
Attainable speed for grease lubrication	28000 r/min
Ball diameter $D_w$	4.762 mm
Number of balls $z$	27
Preload class A GA	24 N
Static axial stiffness, preload class A	28 N/ $\mu$ m
Preload class B GB	48 N
Static axial stiffness, preload class B	37 N/ $\mu$ m
Preload class C GC	145 N
Static axial stiffness, preload class C	60 N/ $\mu$ m
Calculation factor $f$	1.08
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2C}$	1.07
Calculation factor $f_{HC}$	1
Calculation factor $f_0$	9.7
Mass bearing	0.14 kg