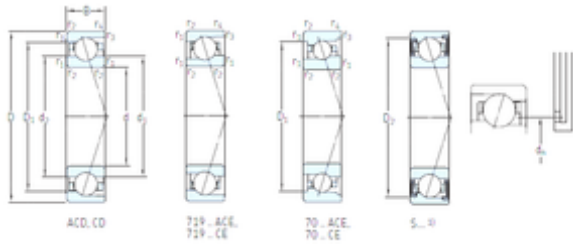


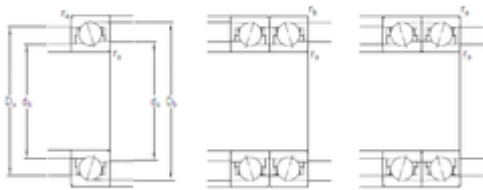


## BEARING-MALAYSIA SDN.BHD.



80 mm x 110 mm x 16 mm SKF S71916  
ACE/HCP4A Angular contact ball bearing

Bearing No. S71916 ACE/HCP4A



S71916 ACE/HCP4A Bearing 2D drawings and 3D CAD models

Size	80x110x16 mm
Bore Diameter	80 mm
Outer Diameter	110 mm
Width	16 mm
d	80 mm
D	110 mm
B	16 mm
C	16 mm
d1	89,3 mm
d2	86,8 mm
r1 min.	1 mm
r2 min.	1 mm
r3 min.	0,3 mm
r4 min.	0,3 mm
D1	100,5 mm
D2	103,6 mm
da min.	84,6 mm
Da max.	105,4 mm
db min	82 mm
ra max.	1 mm
rb max.	0,3 mm
dh	91,5 mm
Db max	108 mm
Weight	0,31 Kg
Basic dynamic load rating (C)	21,2 kN



## BEARING-MALAYSIA SDN.BHD.

Basic static load rating (C <sub>0</sub> )	17 kN
(Grease) Lubrication Speed	17 500 r/min
(Oil) Lubrication Speed	27 000 r/min
Fatigue load limit (P <sub>u</sub> )	0,71
d <sub>1</sub>	89.3 mm
d <sub>2</sub>	86.8 mm
D <sub>2</sub>	103.6 mm
r <sub>1,2</sub> min.	1 mm
r <sub>3,4</sub> min.	0.3 mm
a	32 mm
d <sub>a</sub> min.	84.6 mm
d <sub>a</sub> max.	88.7 mm
d <sub>b</sub> min.	82 mm
d <sub>b</sub> max.	86.2 mm
D <sub>a</sub> max.	105.4 mm
D <sub>b</sub> max.	108 mm
r <sub>a</sub> max.	1 mm
r <sub>b</sub> max.	0.3 mm
Basic dynamic load rating C	21.2 kN
Basic static load rating C <sub>0</sub>	17 kN
Fatigue load limit P <sub>u</sub>	0.71 kN
Attainable speed for grease lubrication	17500 r/min
Ball diameter D <sub>w</sub>	9.525 mm
Number of balls z	24
Preload class A G <sub>A</sub>	195 N
Static axial stiffness, preload class A	157 N/ μ m
Preload class B G <sub>B</sub>	590 N
Static axial stiffness, preload class B	237 N/ μ m
Preload class C G <sub>C</sub>	1170 N
Static axial stiffness, preload	311 N/ μ m



## BEARING-MALAYSIA SDN.BHD.

class C	
Calculation factor f	1.19
Calculation factor $f_1$	0.98
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.04
Calculation factor $f_{2C}$	1.08
Calculation factor $f_{HC}$	1.01
Calculation factor e	0.68
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
Mass bearing	0.31 kg