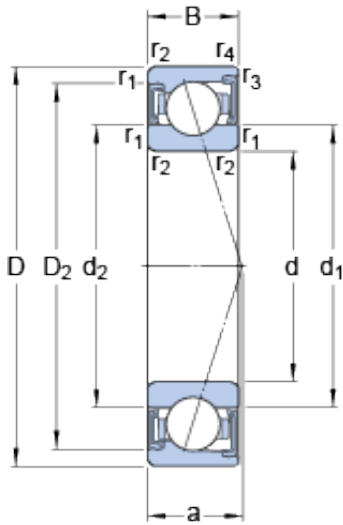




## BEARING-MALAYSIA SDN.BHD.

### 80 mm x 110 mm x 16 mm SKF S71916 ACD/HCP4A angular contact ball bearings

Bearing No. S71916 ACD/HCP4A



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

Size	110x80x16 mm
Bore Diameter	110 mm
Outer Diameter	80 mm
Width	16 mm
d	80 mm
D	110 mm
B	16 mm
d <sub>1</sub>	89.2 mm
d <sub>2</sub>	89.2 mm
D <sub>2</sub>	103.74 mm
r <sub>1,2</sub> - min.	1 mm
r <sub>3,4</sub> - min.	0.3 mm
a	30.2 mm
d <sub>a</sub> - min.	84.6 mm
d <sub>a</sub> - max.	88.6 mm
d <sub>b</sub> - min.	84.6 mm
d <sub>b</sub> - max.	88.6 mm
D <sub>a</sub> - max.	105 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	34.5 kN
Basic static load rating - C <sub>0</sub>	36.5 kN
Fatigue load limit - P <sub>u</sub>	1.6 kN



## BEARING-MALAYSIA SDN.BHD.

Limiting speed for grease lubrication	12000 r/min
Ball - $D_w$	9.525 mm
Ball - $z$	27
Calculation factor - $e$	0.68
Calculation factor - $Y_2$	0.87
Calculation factor - $Y_0$	0.38
Calculation factor - $X_2$	0.41
Calculation factor - $Y_1$	0.92
Calculation factor - $Y_2$	1.41
Calculation factor - $Y_0$	0.76
Calculation factor - $X_2$	0.67
Preload class A - $G_A$	220 N
Preload class B - $G_B$	440 N
Preload class C - $G_C$	880 N
Preload class D - $G_D$	1760 N
Calculation factor - $f$	1.24
Calculation factor - $f_1$	0.98
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.07
Calculation factor - $f_{2C}$	1.12
Calculation factor - $f_{2D}$	1.17
Calculation factor - $f_{HC}$	1.04
Preload class A	226 N/micron
Preload class B	296 N/micron
Preload class C	397 N/micron
Preload class D	544 N/micron
$d_1$	89.2 mm
$d_2$	89.2 mm
$D_2$	103.74 mm



## BEARING-MALAYSIA SDN.BHD.

$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.3 mm
$d_a$ min.	84.6 mm
$d_a$ max.	88.6 mm
$d_b$ min.	84.6 mm
$d_b$ max.	88.6 mm
$D_a$ max.	105 mm
$D_b$ max.	108 mm
$r_a$ max.	1 mm
$r_b$ max.	0.3 mm
Basic dynamic load rating C	34.5 kN
Basic static load rating $C_0$	36.5 kN
Fatigue load limit $P_u$	1.56 kN
Attainable speed for grease lubrication	12000 r/min
Ball diameter $D_w$	9.525 mm
Number of balls z	27
Preload class A $G_A$	220 N
Static axial stiffness, preload class A	226 N/ $\mu$ m
Preload class B $G_B$	440 N
Static axial stiffness, preload class B	296 N/ $\mu$ m
Preload class C $G_C$	880 N
Static axial stiffness, preload class C	397 N/ $\mu$ m
Preload class D $G_D$	1760 N
Static axial stiffness, preload class D	544 N/ $\mu$ m
Calculation factor f	1.24
Calculation factor $f_1$	0.98
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.07
Calculation factor $f_{2C}$	1.12



## BEARING-MALAYSIA SDN.BHD.

Calculation factor $f_{2D}$	1.17
Calculation factor $f_{HC}$	1.04
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	0.32 kg