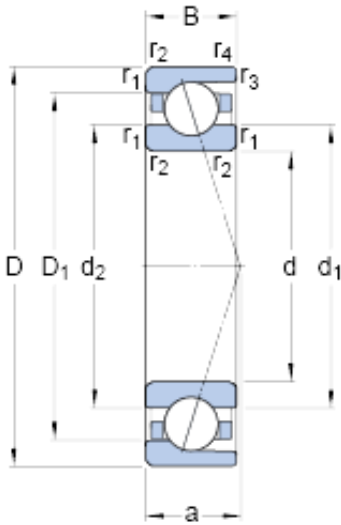




# BEARING MANUFACTURING DE MEXICO, S.A.D...



71812 CD/HCP4 Bearing 2D drawings and 3D CAD models

60 mm x 78 mm x 10 mm SKF 71812 CD/HCP4 angular contact ball bearings

Bearing No. 71812 CD/HCP4

Size	78x60x10 mm
Bore Diameter	78 mm
Outer Diameter	60 mm
Width	10 mm
d	60 mm
D	78 mm
B	10 mm
d <sub>1</sub>	65.7 mm
d <sub>2</sub>	65.7 mm
D <sub>1</sub>	72.5 mm
r <sub>1,2</sub> - min.	0.3 mm
r <sub>3,4</sub> - min.	0.15 mm
a	14.3 mm
d <sub>a</sub> - min.	62 mm
d <sub>b</sub> - min.	62 mm
D <sub>a</sub> - max.	76 mm
D <sub>b</sub> - max.	77.2 mm
r <sub>a</sub> - max.	0.3 mm
r <sub>b</sub> - max.	0.15 mm
d <sub>n</sub>	66.4 mm
Basic dynamic load rating - C	13.5 kN
Basic static load rating - C <sub>0</sub>	14.3 kN
Fatigue load limit - P <sub>u</sub>	0.6 kN
Limiting speed for grease	19000 r/min



## BEARING MANUFACTURING DE MEXICO,S.A.D...

Lubrication	
Limiting speed for oil lubrication	30000 mm/min
Ball - $D_w$	5.556 mm
Ball - $z$	28
$G_{ref}$	1.2 cm <sup>3</sup>
Calculation factor - $f_0$	17
Preload class A - $G_A$	70 N
Preload class B - $G_B$	210 N
Preload class C - $G_C$	420 N
Calculation factor - $f$	1.3
Calculation factor - $f$	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.1
Calculation factor - $f_{2C}$	1.18
Calculation factor - $f_{HC}$	1.02
Preload class A	66 N/micron
Preload class B	114 N/micron
Preload class C	169 N/micron
$d_1$	65.7 mm
$d_2$	65.7 mm
$D_1$	72.5 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.15 mm
$d_a$ min.	62 mm
$d_b$ min.	62 mm
$D_a$ max.	76 mm
$D_b$ max.	77.2 mm
$r_a$ max.	0.3 mm
$r_b$ max.	0.15 mm
$d_n$	66.4 mm



## BEARING MANUFACTURING DE MEXICO, S.A.D...

Basic dynamic load rating C	13.5 kN
Basic static load rating $C_0$	14.3 kN
Fatigue load limit $P_u$	0.6 kN
Attainable speed for grease lubrication	19000 r/min
Attainable speed for oil-air lubrication	30000 r/min
Ball diameter $D_w$	5.556 mm
Number of balls z	28
Reference grease quantity $G_{ref}$	1.2 cm <sup>3</sup>
Preload class A $G_A$	70 N
Static axial stiffness, preload class A	66 N/ $\mu$ m
Preload class B $G_B$	210 N
Static axial stiffness, preload class B	114 N/ $\mu$ m
Preload class C $G_C$	420 N
Static axial stiffness, preload class C	169 N/ $\mu$ m
Calculation factor f	1.3
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.1
Calculation factor $f_{2C}$	1.18
Calculation factor $f_{HC}$	1.02
Calculation factor $f_0$	17
Mass bearing	0.088 kg