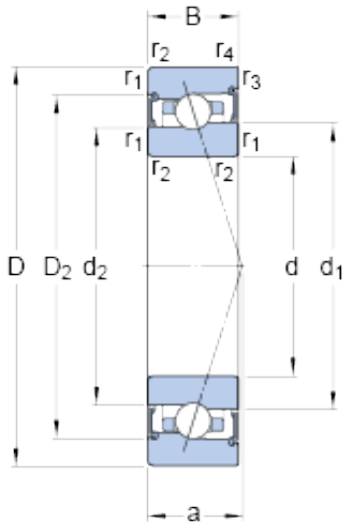




# LEDONG Machinery Co., Ltd.



## 60 mm x 85 mm x 13 mm SKF S71912 CB/HCP4A angular contact ball bearings

Bearing No. S71912 CB/HCP4A

S71912 CB/HCP4A Bearing 2D drawings and 3D CAD models

Size	85x60x13 mm
Bore Diameter	85 mm
Outer Diameter	60 mm
Width	13 mm
d	60 mm
D	85 mm
B	13 mm
d <sub>1</sub>	68.94 mm
d <sub>2</sub>	67.73 mm
D <sub>2</sub>	78.36 mm
r <sub>1,2</sub> - min.	1 mm
r <sub>3,4</sub> - min.	0.3 mm
a	19.5 mm
d <sub>a</sub> - min.	64.6 mm
d <sub>a</sub> - max.	68.3 mm
d <sub>b</sub> - min.	64.6 mm
d <sub>b</sub> - max.	67.1 mm
D <sub>a</sub> - max.	80.4 mm
D <sub>b</sub> - max.	83 mm
r <sub>a</sub> - max.	1 mm
r <sub>b</sub> - max.	0.3 mm
Basic dynamic load rating - C	10.4 kN
Basic static load rating - C <sub>0</sub>	8.8 kN
Fatigue load limit - P <sub>u</sub>	0.375 kN



## LEDONG Machinery Co., Ltd.

Limiting speed for grease lubrication	26000 r/min
Ball - $D_w$	5.556 mm
Ball - z	30
Calculation factor - $f_0$	9.8
Preload class A - $G_A$	34 N
Preload class B - $G_B$	68 N
Preload class C - $G_C$	205 N
Calculation factor - f	1.11
Calculation factor - f	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.03
Calculation factor - $f_{2C}$	1.08
Calculation factor - $f_{HC}$	1.01
Preload class A	40 N/micron
Preload class B	53 N/micron
Preload class C	85 N/micron
$d_1$	68.94 mm
$d_2$	67.73 mm
$D_2$	78.36 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.3 mm
$d_a$ min.	64.6 mm
$d_a$ max.	68.3 mm
$d_b$ min.	64.6 mm
$d_b$ max.	67.1 mm
$D_a$ max.	80.4 mm
$D_b$ max.	83 mm
$r_a$ max.	1 mm
$r_b$ max.	0.3 mm
Basic dynamic load rating C	14 kN



## LEDONG Machinery Co., Ltd.

Basic static load rating $C_0$	14.6 kN
Fatigue load limit $P_u$	0.375 kN
Attainable speed for grease lubrication	26000 r/min
Ball diameter $D_w$	5.556 mm
Number of balls $z$	30
Preload class A $G_A$	34 N
Static axial stiffness, preload class A	40 N/ $\mu$ m
Preload class B $G_B$	68 N
Static axial stiffness, preload class B	53 N/ $\mu$ m
Preload class C $G_C$	205 N
Static axial stiffness, preload class C	85 N/ $\mu$ m
Calculation factor $f$	1.11
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.03
Calculation factor $f_{2C}$	1.08
Calculation factor $f_{HC}$	1.01
Calculation factor $f_0$	9.8
Mass bearing	0.19 kg