



# GARLOCK BEARINGS LTD



S7206 CD/P4A Bearing 2D drawings and 3D CAD models

## S7206 CD/P4A SKF High Speed Angular Contact Ball Bearings

Bearing No. S7206 CD/P4A

Size	62x30x16 mm
Bore Diameter	62 mm
Outer Diameter	30 mm
Width	16 mm
d	30 mm
D	62 mm
B	16 mm
d <sub>1</sub>	40.2 mm
d <sub>2</sub>	40.2 mm
D <sub>2</sub>	54 mm
r <sub>1,2</sub> - min.	1 mm
r <sub>3,4</sub> - min.	0.3 mm
a	14.2 mm
d <sub>a</sub> - min.	35.6 mm
d <sub>a</sub> - max.	39.6 mm
d <sub>b</sub> - min.	35.6 mm
d <sub>b</sub> - max.	39.6 mm
D <sub>a</sub> - max.	56.4 mm
D <sub>b</sub> - max.	59.6 mm
r <sub>a</sub> - max.	1 mm
r <sub>b</sub> - max.	0.3 mm
Basic dynamic load rating - C	24.2 kN
Basic static load rating - C <sub>0</sub>	16 kN
Fatigue load limit - P <sub>u</sub>	0.67 kN



## GARLOCK BEARINGS LTD

Limiting speed for grease lubrication	24000 r/min
Ball - $D_w$	9.525 mm
Ball - $z$	13
Calculation factor - $f_0$	14
Preload class A - $G_A$	90 N
Preload class B - $G_B$	180 N
Preload class C - $G_C$	360 N
Preload class D - $G_D$	720 N
Calculation factor - $f$	1.05
Calculation factor - $f$	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.01
Calculation factor - $f_{2C}$	1.03
Calculation factor - $f_{2D}$	1.05
Calculation factor - $f_{HC}$	1
Preload class A	43 N/micron
Preload class B	59 N/micron
Preload class C	82 N/micron
Preload class D	118 N/micron
$d_1$	40.2 mm
$d_2$	40.2 mm
$D_2$	54 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.3 mm
$d_a$ min.	35.6 mm
$d_a$ max.	39.6 mm
$d_b$ min.	35.6 mm
$d_b$ max.	39.6 mm
$D_a$ max.	56.4 mm
$D_b$ max.	59.6 mm



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$r_a$ max.	1 mm
$r_b$ max.	0.3 mm
Basic dynamic load rating C	24.2 kN
Basic static load rating $C_0$	16 kN
Fatigue load limit $P_u$	0.67 kN
Attainable speed for grease lubrication	24000 r/min
Ball diameter $D_w$	9.525 mm
Number of balls z	13
Preload class A $G_A$	90 N
Static axial stiffness, preload class A	43 N/ $\mu$ m
Preload class B $G_B$	180 N
Static axial stiffness, preload class B	59 N/ $\mu$ m
Preload class C $G_C$	360 N
Static axial stiffness, preload class C	82 N/ $\mu$ m
Preload class D $G_D$	720 N
Static axial stiffness, preload class D	118 N/ $\mu$ m
Calculation factor f	1.05
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.01
Calculation factor $f_{2C}$	1.03
Calculation factor $f_{2D}$	1.05
Calculation factor $f_{HC}$	1
Calculation factor $f_0$	14
Mass bearing	0.2 kg