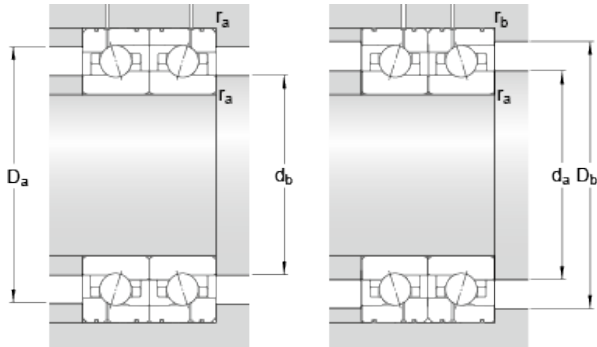




# GARLOCK BEARINGS LTD



## 7006 CE/P4AL1 SKF High Speed Angular Contact Ball Bearings

Bearing No. 7006 CE/P4AL1

7006 CE/P4AL1 Bearing 2D drawings and 3D CAD models

d	30 mm
D	55 mm
B	13 mm
d <sub>1</sub>	38.2 mm
d <sub>2</sub>	36.4 mm
D <sub>1</sub>	45.81 mm
b	1.4 mm
C <sub>1</sub>	3.7 mm
C <sub>2</sub>	1.95 mm
C <sub>3</sub>	2.6 mm
r <sub>1,2</sub> min.	1 mm
r <sub>3,4</sub> min.	0.6 mm
a	12.2 mm
d <sub>a</sub> min.	34.6 mm
d <sub>b</sub> min.	34.6 mm
D <sub>a</sub> max.	50.4 mm
D <sub>b</sub> max.	50.8 mm
r <sub>a</sub> max.	1 mm
r <sub>b</sub> max.	0.6 mm
d <sub>n</sub>	39.9 mm
Basic dynamic load rating C	9.36 kN
Basic static load rating C <sub>0</sub>	5.2 kN
Fatigue load limit P <sub>u</sub>	0.22 kN
Attainable speed for grease lubrication	39000 r/min
Attainable speed for oil-air	60000 r/min



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Lubrication	
Ball diameter $D_w$	6.35 mm
Number of balls $z$	17
Reference grease quantity $G_{ref}$	1.7 cm <sup>3</sup>
Preload class A $G_A$	50 N
Static axial stiffness, preload class A	28 N/ $\mu$ m
Preload class B $G_B$	150 N
Static axial stiffness, preload class B	44 N/ $\mu$ m
Preload class C $G_C$	300 N
Static axial stiffness, preload class C	60 N/ $\mu$ m
Calculation factor $f$	1.05
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.03
Calculation factor $f_{2C}$	1.05
Calculation factor $f_{HC}$	1
Calculation factor $f_0$	7.9
Mass bearing	0.11 kg