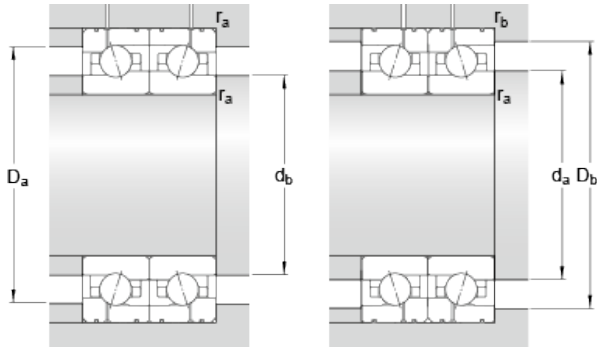




GARLOCK BEARINGS LTD



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 ₁	38.2 mm
d ₂	36.4 mm
D ₁	45.81 mm
b	1.4 mm
C ₁	3.7 mm
C ₂	1.95 mm
C ₃	2.6 mm
r _{1,2} min.	1 mm
r _{3,4} min.	0.6 mm
a	12.2 mm
d _a min.	34.6 mm
d _b min.	34.6 mm
D _a max.	50.4 mm
D _b max.	50.8 mm
r _a max.	1 mm
r _b max.	0.6 mm
d _n	39.9 mm
Basic dynamic load rating C	9.36 kN
Basic static load rating C ₀	5.2 kN
Fatigue load limit P _u	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 ³
Preload class A G_A	50 N
Static axial stiffness, preload class A	28 N/ μ m
Preload class B G_B	150 N
Static axial stiffness, preload class B	44 N/ μ m
Preload class C G_C	300 N
Static axial stiffness, preload class C	60 N/ μ 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