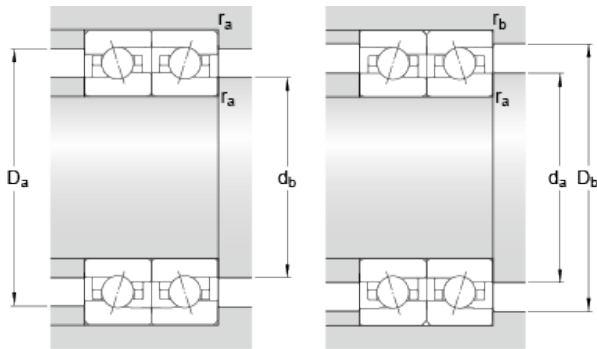




GARLOCK BEARINGS LTD



7006 ACE/HCP4BVG275 SKF High Speed Angular Contact Ball Bearings

Bearing No. 7006 ACE/HCP4BVG275

7006 ACE/HCP4BVG275 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
r _{1,2} min.	1 mm
r _{3,4} min.	0.6 mm
a	16.4 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
Basic dynamic load rating C	8.84 kN
Basic static load rating C ₀	5 kN
Fatigue load limit P _u	0.212 kN
Attainable speed for grease lubrication	42000 r/min
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	80 N
Static axial stiffness, preload	79 N/ μ m



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class A	
Preload class B G_B	240 N
Static axial stiffness, preload class B	117 N/ μ m
Preload class C G_C	480 N
Static axial stiffness, preload class C	153 N/ μ m
Calculation factor f	1.05
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.06
Calculation factor f_{HC}	1.01
Calculation factor e	0.68
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (back-to-back, face-to-face) Y_1	0.92
Calculation factor (back-to-back, face-to-face) Y_2	1.41
Mass bearing	0.1 kg