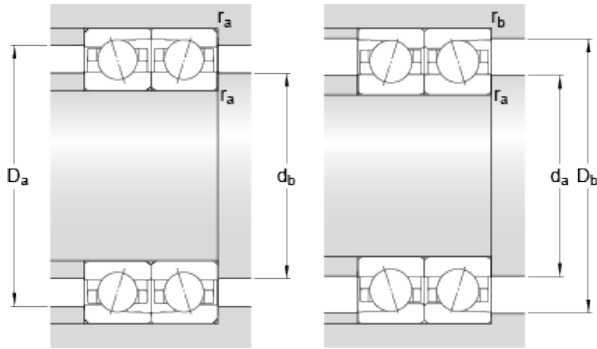




GARLOCK BEARINGS LTD



71906 CDTP/HCP4B SKF High Speed Angular Contact Ball Bearings

Bearing No. 71906 CDTP/HCP4B

71906 CDTP/HCP4B Bearing 2D drawings and 3D CAD models

d	30 mm
D	47 mm
B	9 mm
d ₁	35.6 mm
d ₂	35.6 mm
D ₁	41.4 mm
r _{1,2} min.	0.3 mm
r _{3,4} min.	0.2 mm
a	9.7 mm
d _a min.	32 mm
d _b min.	32 mm
D _a max.	45 mm
D _b max.	45.6 mm
r _a max.	0.3 mm
r _b max.	0.2 mm
Basic dynamic load rating C	7.15 kN
Basic static load rating C ₀	4.55 kN
Fatigue load limit P _u	0.193 kN
Attainable speed for grease lubrication	38000 r/min
Ball diameter D _w	4.762 mm
Number of balls z	20
Reference grease quantity G _{ref}	0.63 cm ³
Preload class A G _A	25 N
Static axial stiffness, preload	29 N/μm



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class A	
Preload class B G_B	50 N
Static axial stiffness, preload class B	39 N/ μ m
Preload class C G_C	100 N
Static axial stiffness, preload class C	53 N/ μ m
Preload class D G_D	200 N
Static axial stiffness, preload class D	74 N/ μ m
Calculation factor f	1.08
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.07
Calculation factor f_{2C}	1.12
Calculation factor f_{2D}	1.18
Calculation factor f_{HC}	1.04
Calculation factor f_0	10.4
Mass bearing	0.045 kg