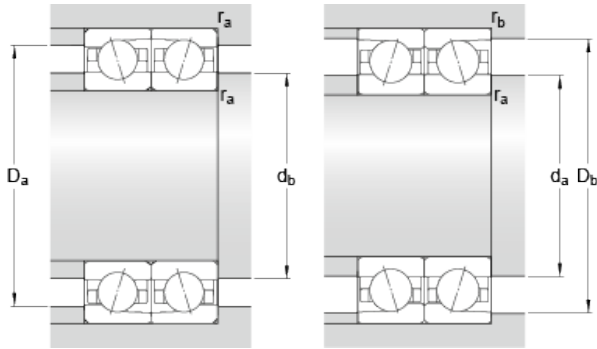




# GARLOCK BEARINGS LTD



## 7006 CDTP/HCP4B SKF High Speed Angular Contact Ball Bearings

Bearing No. 7006 CDTP/HCP4B

7006 CDTP/HCP4B Bearing 2D drawings and 3D CAD models

d	30 mm
D	55 mm
B	13 mm
d <sub>1</sub>	37.7 mm
d <sub>2</sub>	37.7 mm
D <sub>1</sub>	47.3 mm
r <sub>1,2</sub> min.	1 mm
r <sub>3,4</sub> min.	0.3 mm
a	12.3 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.	53 mm
r <sub>a</sub> max.	1 mm
r <sub>b</sub> max.	0.3 mm
Basic dynamic load rating C	14.3 kN
Basic static load rating C <sub>0</sub>	8 kN
Fatigue load limit P <sub>u</sub>	0.34 kN
Attainable speed for grease lubrication	38000 r/min
Ball diameter D <sub>w</sub>	7.938 mm
Number of balls z	14
Reference grease quantity G <sub>ref</sub>	1.59 cm <sup>3</sup>
Preload class A G <sub>A</sub>	50 N
Static axial stiffness, preload	34 N/μm



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class A	
Preload class B $G_B$	100 N
Static axial stiffness, preload class B	45 N/ $\mu$ m
Preload class C $G_C$	200 N
Static axial stiffness, preload class C	61 N/ $\mu$ m
Preload class D $G_D$	400 N
Static axial stiffness, preload class D	85 N/ $\mu$ m
Calculation factor $f$	1.06
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2C}$	1.05
Calculation factor $f_{2D}$	1.09
Calculation factor $f_{HC}$	1.02
Calculation factor $f_0$	9.4
Mass bearing	0.095 kg