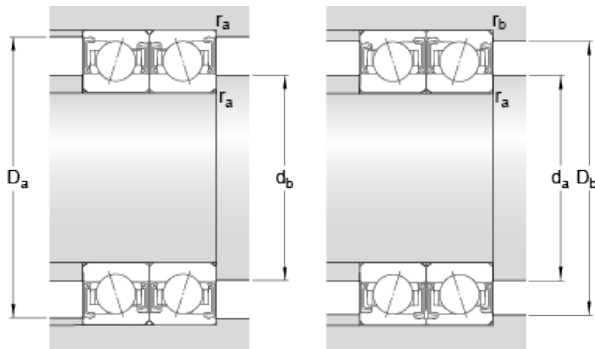




# GARLOCK BEARINGS LTD



## S7007 ACDTP/P4B SKF High Speed Angular Contact Ball Bearings

Bearing No. S7007 ACDTP/P4B

S7007 ACDTP/P4B Bearing 2D drawings and 3D CAD models

d	35 mm
D	62 mm
B	14 mm
d <sub>1</sub>	43.7 mm
d <sub>2</sub>	43.7 mm
D <sub>2</sub>	55.57 mm
r <sub>1,2</sub> min.	1 mm
r <sub>3,4</sub> min.	0.3 mm
a	18.5 mm
d <sub>a</sub> min.	39.6 mm
d <sub>a</sub> max.	43.2 mm
d <sub>b</sub> min.	39.6 mm
d <sub>b</sub> max.	43.2 mm
D <sub>a</sub> max.	57.4 mm
D <sub>b</sub> max.	60 mm
r <sub>a</sub> max.	1 mm
r <sub>b</sub> max.	0.3 mm
Basic dynamic load rating C	14.8 kN
Basic static load rating C <sub>0</sub>	9 kN
Fatigue load limit P <sub>u</sub>	0.38 kN
Attainable speed for grease lubrication	20000 r/min
Ball diameter D <sub>w</sub>	7.938 mm
Number of balls z	16
Preload class A G <sub>A</sub>	90 N
Static axial stiffness, preload	86 N/ μ m



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class A	
Preload class B $G_B$	180 N
Static axial stiffness, preload class B	110 N/ $\mu$ m
Preload class C $G_C$	360 N
Static axial stiffness, preload class C	144 N/ $\mu$ m
Preload class D $G_D$	720 N
Static axial stiffness, preload class D	190 N/ $\mu$ m
Calculation factor f	1.06
Calculation factor $f_1$	0.99
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2C}$	1.05
Calculation factor $f_{2D}$	1.08
Calculation factor $f_{HC}$	1
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	0.15 kg