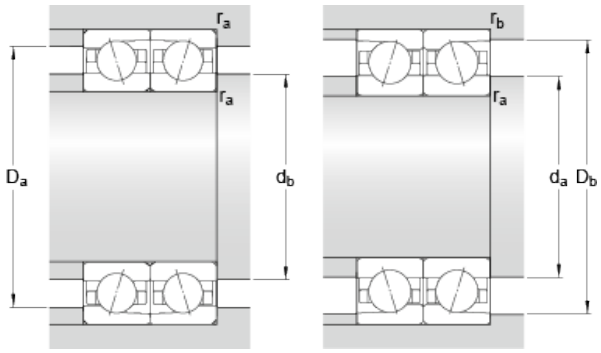
GARLOCK BEARINGS LTD



71908 ACDTP/HCP4B SKF High Speed Angular Contact Ball Bearings

Bearing No. 71908 ACDTP/HCP4B

d	40 mm
D	62 mm
B	12 mm
d_1	47.1 mm
d_2	47.1 mm
D_1	54.9 mm
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
a	18 mm
d_a min.	43.2 mm
d_b min.	43.2 mm
D_a max.	58.8 mm
D_b max.	60.6 mm
r_a max.	0.6 mm
r_b max.	0.3 mm
Basic dynamic load rating C	11.7 kN
Basic static load rating C_0	8 kN
Fatigue load limit P_u	0.34 kN
Attainable speed for grease lubrication	22000 r/min
Ball diameter D_w	6.35 mm
Number of balls z	21
Reference grease quantity G_{ref}	1.44 cm^3
Preload class A G_A	70 N
Static axial stiffness, preload	98 N/ µm

71908 ACDTP/HCP4B Bearing 2D drawings and 3D CAD models

class A	
Preload class B G_B	140 N
Static axial stiffness, preload class B	127 N/µm
Preload class C G_C	280 N
Static axial stiffness, preload class C	167 N/µm
Preload class D G_D	560 N
Static axial stiffness, preload class D	221 N/µm
Calculation factor f	1.09
Calculation factor f_1	0.98
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.07
Calculation factor f_{2C}	1.12
Calculation factor f_{2D}	1.17
Calculation factor f_{HC}	1.04
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