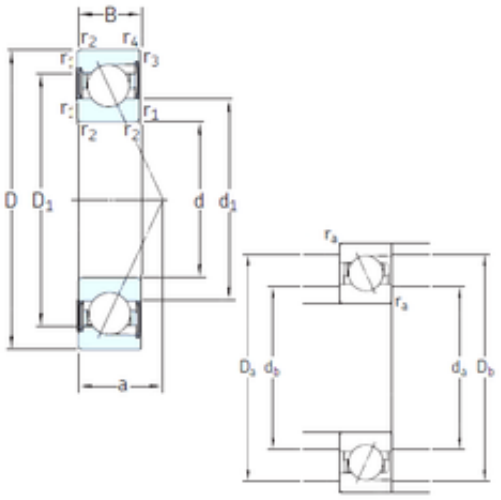
GARLOCK BEARINGS LTD



S7208 ACD/HCP4A Bearing 2D drawings and 3D CAD models

S7208 ACD/HCP4A SKF High Speed Angular Contact Ball Bearings

Bearing No. **S7208 ACD/HCP4A**

Size	40x80x18 mm
Bore Diameter	40 mm
Outer Diameter	80 mm
Width	18 mm
d	40 mm
D	80 mm
B	18 mm
C	18 mm
a	23 mm
d1	53,3 mm
d2	53,3 mm
r1 min.	1,1 mm
r2 min.	1,1 mm
r3 min.	0,6 mm
r4 min.	0,6 mm
D1	66,7 mm
D2	69,7 mm
da min.	47 mm
Da max.	73 mm
db min	47 mm
ra max.	1 mm
rb max.	0,6 mm
dh	56,2 mm
Db max	75,8 mm
Weight	0,33 Kg

Basic dynamic load rating (C)	31,9 kN
Basic static load rating (C0)	22,8 kN
(Grease) Lubrication Speed	19 000 r/min
(Oil) Lubrication Speed	32 000 r/min
Fatigue load limit (Pu)	0,98
d_1	53.3 mm
d_2	53.3 mm
D_2	69.7 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	47 mm
d_a max.	52.5 mm
d_b min.	47 mm
d_b max.	52.5 mm
D_a max.	73 mm
D_b max.	75.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	31.9 kN
Basic static load rating C_0	22.8 kN
Fatigue load limit P_u	0.98 kN
Attainable speed for grease lubrication	19000 r/min
Ball diameter D_w	11.112 mm
Number of balls z	14
Preload class A G_A	200 N
Static axial stiffness, preload class A	141 N/ µ m
Preload class B G_B	400 N
Static axial stiffness, preload class B	183 N/ µ m
Preload class C G_C	800 N

Static axial stiffness, preload class C	242 N/ µ m
Preload class D G_D	1600 N
Static axial stiffness, preload class D	326 N/ µ m
Calculation factor f	1.05
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.01
Calculation factor f_{2C}	1.03
Calculation factor f_{2D}	1.06
Calculation factor f_{HC}	1.01
Calculation factor e	0.68
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (single, tandem) Y_0	0.38
Calculation factor (single, tandem) X_2	0.41
Calculation factor (back-to-back, face-to-face) Y_1	0.92
Calculation factor (back-to-back, face-to-face) Y_2	1.41
Calculation factor (back-to-back, face-to-face) Y_0	0.76
Calculation factor (back-to-back, face-to-face) X_2	0.67
Mass bearing	0.33 kg