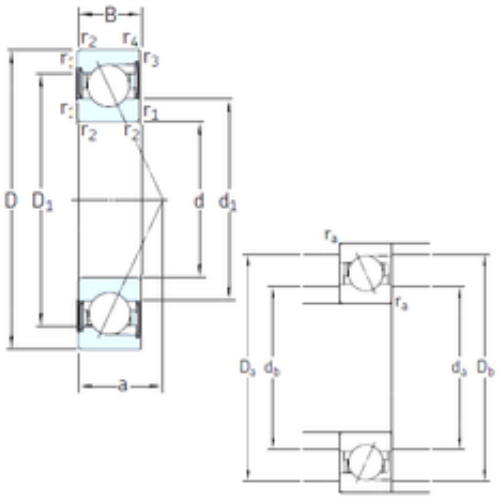

S7204 ACD/P4A Bearing 2D drawings and 3D CAD models

20 mm x 47 mm x 14 mm 20 mm x 47 mm x 14 mm SKF S7204 ACD/P4A angular contact ball bearings

Bearing No. S7204 ACD/P4A

Size	20x47x14 mm
Bore Diameter	20 mm
Outer Diameter	47 mm
Width	14 mm
d	20 mm
D	47 mm
B	14 mm
C	14 mm
a	15 mm
d1	29,1 mm
d2	29,1 mm
r1 min.	1 mm
r2 min.	1 mm
r3 min.	0,3 mm
r4 min.	0,3 mm
D1	38,7 mm
D2	40,9 mm
da min.	25,6 mm
Da max.	41,4 mm
db min	25,6 mm
ra max.	1 mm
rb max.	0,3 mm
dh	31,1 mm
Db max	44,6 mm
Weight	0,1 Kg

Basic dynamic load rating (C)	11,4 kN
Basic static load rating (C0)	5,6 kN
(Grease) Lubrication Speed	32 000 r/min
(Oil) Lubrication Speed	48 000 r/min
Fatigue load limit (Pu)	0,236
d_1	29.1 mm
d_2	29.1 mm
D_2	40.9 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	25.6 mm
d_a max.	28.5 mm
d_b min.	25.6 mm
d_b max.	28.5 mm
D_a max.	41.4 mm
D_b max.	44.6 mm
r_a max.	1 mm
r_b max.	0.3 mm
Basic dynamic load rating C	11.4 kN
Basic static load rating C_0	5.6 kN
Fatigue load limit P_u	0.236 kN
Attainable speed for grease lubrication	32000 r/min
Ball diameter D_w	7.938 mm
Number of balls z	11
Preload class A G_A	70 N
Static axial stiffness, preload class A	61 N/ μ m
Preload class B G_B	140 N
Static axial stiffness, preload class B	79 N/ μ m
Preload class C G_C	280 N

Static axial stiffness, preload class C	102 N/ µ m
Preload class D G_D	560 N
Static axial stiffness, preload class D	135 N/ µ m
Calculation factor f	1.03
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.01
Calculation factor f_{2C}	1.02
Calculation factor f_{2D}	1.05
Calculation factor f_{HC}	1
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	0.11 kg