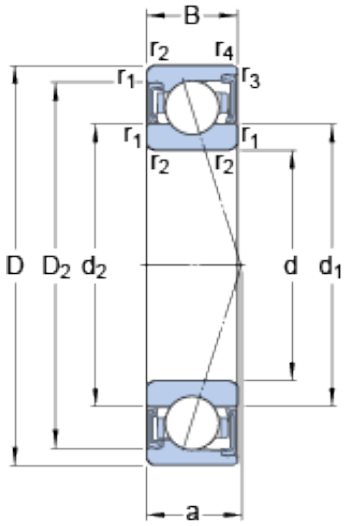

S7210 CD/P4A Bearing 2D drawings and 3D CAD models

50 mm x 90 mm x 20 mm SKF S7210 CD/P4A angular contact ball bearings

Bearing No. S7210 CD/P4A

Size	90x50x20 mm
Bore Diameter	90 mm
Outer Diameter	50 mm
Width	20 mm
d	50 mm
D	90 mm
B	20 mm
d_1	62.3 mm
d_2	62.3 mm
D_2	80.7 mm
$r_{1,2}$ - min.	1.1 mm
$r_{3,4}$ - min.	0.6 mm
a	19.4 mm
d_a - min.	57 mm
d_a - max.	61.5 mm
d_b - min.	57 mm
d_b - max.	61.5 mm
D_a - max.	83 mm
D_b - max.	85.8 mm
r_a - max.	1 mm
r_b - max.	0.6 mm
Basic dynamic load rating - C	44.9 kN
Basic static load rating - C_0	34 kN
Fatigue load limit - P_u	1.4 kN

Limiting speed for grease lubrication	16000 r/min
Ball - D_w	12.7 mm
Ball - z	15
Calculation factor - f_0	14.5
Preload class A - G_A	170 N
Preload class B - G_B	340 N
Preload class C - G_C	680 N
Preload class D - G_D	1360 N
Calculation factor - f	1.08
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2C}	1.03
Calculation factor - f_{2D}	1.05
Calculation factor - f_{HC}	1
Preload class A	65 N/micron
Preload class B	88 N/micron
Preload class C	124 N/micron
Preload class D	178 N/micron
d_1	62.3 mm
d_2	62.3 mm
D_2	80.7 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	57 mm
d_a max.	61.5 mm
d_b min.	57 mm
d_b max.	61.5 mm
D_a max.	83 mm
D_b max.	85.8 mm

r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	44.9 kN
Basic static load rating C_0	34 kN
Fatigue load limit P_u	1.43 kN
Attainable speed for grease lubrication	16000 r/min
Ball diameter D_w	12.7 mm
Number of balls z	15
Preload class A G_A	170 N
Static axial stiffness, preload class A	65 N/ µ m
Preload class B G_B	340 N
Static axial stiffness, preload class B	88 N/ µ m
Preload class C G_C	680 N
Static axial stiffness, preload class C	124 N/ µ m
Preload class D G_D	1360 N
Static axial stiffness, preload class D	178 N/ µ m
Calculation factor f	1.08
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.01
Calculation factor f_{2C}	1.03
Calculation factor f_{2D}	1.05
Calculation factor f_{HC}	1
Calculation factor f_0	14.5
Mass bearing	0.47 kg