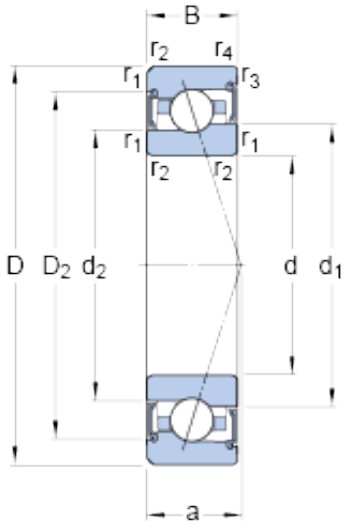

S7010 CE/P4A Bearing 2D drawings and 3D CAD models

50 mm x 80 mm x 16 mm SKF S7010 CE/P4A angular contact ball bearings

Bearing No. S7010 CE/P4A

Size	80x50x16 mm
Bore Diameter	80 mm
Outer Diameter	50 mm
Width	16 mm
d	50 mm
D	80 mm
B	16 mm
d_1	60.25 mm
d_2	57.9 mm
D_2	72.9 mm
$r_{1,2}$ - min.	1 mm
$r_{3,4}$ - min.	0.6 mm
a	16.8 mm
d_a - min.	54.6 mm
d_a - max.	59.7 mm
d_b - min.	54.6 mm
d_b - max.	57.3 mm
D_a - max.	75.4 mm
D_b - max.	75.8 mm
r_a - max.	1 mm
r_b - max.	0.6 mm
Basic dynamic load rating - C	15.6 kN
Basic static load rating - C_0	10.6 kN
Fatigue load limit - P_u	0.45 kN

Limiting speed for grease lubrication	25000 r/min
Ball - D_w	7.938 mm
Ball - z	21
Calculation factor - f_0	8.2
Preload class A - G_A	85 N
Preload class B - G_B	250 N
Preload class C - G_C	500 N
Calculation factor - f	1.08
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.03
Calculation factor - f_{2C}	1.05
Calculation factor - f_{HC}	1
Preload class A	42 N/micron
Preload class B	65 N/micron
Preload class C	88 N/micron
d_1	60.25 mm
d_2	57.9 mm
D_2	72.9 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	54.6 mm
d_a max.	59.7 mm
d_b min.	54.6 mm
d_b max.	57.3 mm
D_a max.	75.4 mm
D_b max.	75.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
Basic dynamic load rating C	15.6 kN

Basic static load rating C_0	10.6 kN
Fatigue load limit P_u	0.45 kN
Attainable speed for grease lubrication	25000 r/min
Ball diameter D_w	7.938 mm
Number of balls z	21
Preload class A G_A	85 N
Static axial stiffness, preload class A	42 N/ µ m
Preload class B G_B	250 N
Static axial stiffness, preload class B	65 N/ µ m
Preload class C G_C	500 N
Static axial stiffness, preload class C	88 N/ µ m
Calculation factor f	1.08
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.03
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1
Calculation factor f_0	8.2
Mass bearing	0.26 kg