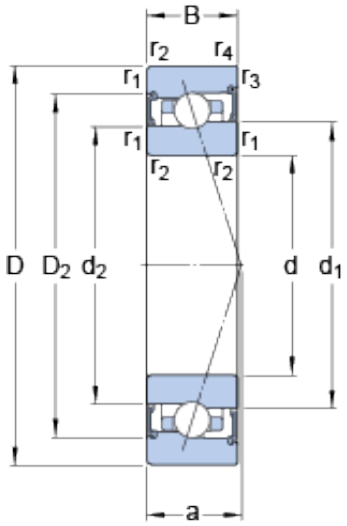

S7020 CB/P4A Bearing 2D drawings and 3D CAD models

100 mm x 150 mm x 24 mm SKF S7020 CB/P4A angular contact ball bearings

Bearing No. S7020 CB/P4A

Size	150x100x24 mm
Bore Diameter	150 mm
Outer Diameter	100 mm
Width	24 mm
d	100 mm
D	150 mm
B	24 mm
d_1	118.7 mm
d_2	116.15 mm
D_2	135 mm
$r_{1,2}$ - min.	1.5 mm
$r_{3,4}$ - min.	1 mm
a	28.9 mm
d_a - min.	107 mm
d_a - max.	117.9 mm
d_b - min.	107 mm
d_b - max.	115.4 mm
D_a - max.	143 mm
D_b - max.	145.4 mm
r_a - max.	1.5 mm
r_b - max.	1 mm
Basic dynamic load rating - C	29.6 kN
Basic static load rating - C_0	27 kN
Fatigue load limit - P_u	1 kN

Limiting speed for grease lubrication	11000 r/min
Ball - D_w	10.319 mm
Ball - z	27
Calculation factor - f_0	9.8
Preload class A - G_A	58 N
Preload class B - G_B	190 N
Preload class C - G_C	570 N
Calculation factor - f	1.08
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.05
Calculation factor - f_{HC}	1
Preload class A	58 N/micron
Preload class B	76 N/micron
Preload class C	120 N/micron
d_1	118.7 mm
d_2	116.15 mm
D_2	135 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1 mm
d_a min.	107 mm
d_a max.	117.9 mm
d_b min.	107 mm
d_b max.	115.4 mm
D_a max.	143 mm
D_b max.	145.4 mm
r_a max.	1.5 mm
r_b max.	1 mm
Basic dynamic load rating C	37.7 kN

Basic static load rating C_0	45.5 kN
Fatigue load limit P_u	1.02 kN
Attainable speed for grease lubrication	11000 r/min
Ball diameter D_w	10.319 mm
Number of balls z	27
Preload class A G_A	58 N
Static axial stiffness, preload class A	58 N/ µ m
Preload class B G_B	190 N
Static axial stiffness, preload class B	76 N/ µ m
Preload class C G_C	570 N
Static axial stiffness, preload class C	120 N/ µ m
Calculation factor f	1.08
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1
Calculation factor f_0	9.8
Mass bearing	1.36 kg