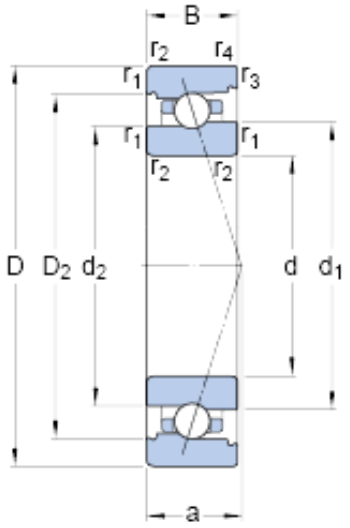
7019 CB/P4A SKF Angular Contact Ball ...



Bearing No. 7019 CB/P4A

Size	145x95x24 mm
Bore Diameter	145 mm
Outer Diameter	95 mm
Width	24 mm
d	95 mm
D	145 mm
B	24 mm
d_1	113.7 mm
d_2	111.15 mm
D_2	130 mm
$r_{1,2}$ - min.	1.5 mm
$r_{3,4}$ - min.	1 mm
a	28.2 mm
d_a - min.	102 mm
d_b - min.	102 mm
D_a - max.	138 mm
D_b - max.	140.4 mm
r_a - max.	1.5 mm
r_b - max.	1 mm
d_n	115 mm
Basic dynamic load rating - C	29.6 kN
Basic static load rating - C_0	26 kN
Fatigue load limit - P_u	1 kN
Limiting speed for grease lubrication	12000 r/min
Limiting speed for oil lubrication	18000 mm/min
Ball - D_w	10.319 mm

Ball - z	26
G_{ref}	14.72 cm3
Calculation factor - f_0	9.7
Preload class A - G_A	94 N
Preload class B - G_B	190 N
Preload class C - G_C	570 N
Calculation factor - f	1.07
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	56 N/micron
Preload class B	74 N/micron
Preload class C	117 N/micron
d_1	113.7 mm
d_2	111.15 mm
D_2	130 mm
$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	1 mm
d_a min.	102 mm
d_b min.	102 mm
D_a max.	138 mm
D_b max.	140.4 mm
r_a max.	1.5 mm
r_b max.	1 mm
d_n	115 mm
Basic dynamic load rating C	37.7 kN
Basic static load rating C_0	44 kN

Fatigue load limit P_u	1 kN
Attainable speed for grease lubrication	12000 r/min
Attainable speed for oil-air lubrication	18000 r/min
Ball diameter D_w	10.319 mm
Number of balls z	26
Reference grease quantity G_{ref}	14.72 cm³
Preload class A G_A	94 N
Static axial stiffness, preload class A	56 N/µm
Preload class B G_B	190 N
Static axial stiffness, preload class B	74 N/µm
Preload class C G_C	570 N
Static axial stiffness, preload class C	117 N/µm
Calculation factor f	1.07
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	9.7
Mass bearing	1.3 kg