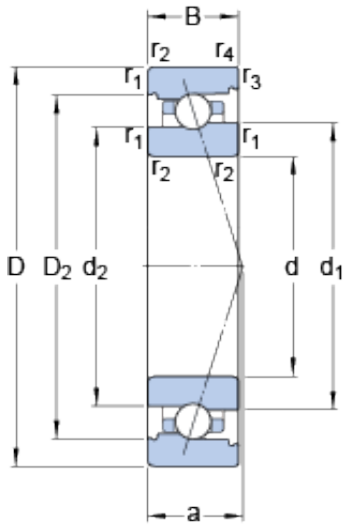




# BEARING MANUFACTURING DE MEXICO, S.A.D...



95 mm x 145 mm x 24 mm SKF 7019 CB/P4A  
angular contact ball bearings

Bearing No. 7019 CB/P4A

7019 CB/P4A Bearing 2D drawings and 3D CAD models

Size	145x95x24 mm
Bore Diameter	145 mm
Outer Diameter	95 mm
Width	24 mm
d	95 mm
D	145 mm
B	24 mm
d <sub>1</sub>	113.7 mm
d <sub>2</sub>	111.15 mm
D <sub>2</sub>	130 mm
r <sub>1,2</sub> - min.	1.5 mm
r <sub>3,4</sub> - min.	1 mm
a	28.2 mm
d <sub>a</sub> - min.	102 mm
d <sub>b</sub> - min.	102 mm
D <sub>a</sub> - max.	138 mm
D <sub>b</sub> - max.	140.4 mm
r <sub>a</sub> - max.	1.5 mm
r <sub>b</sub> - max.	1 mm
d <sub>n</sub>	115 mm
Basic dynamic load rating - C	29.6 kN
Basic static load rating - C <sub>0</sub>	26 kN
Fatigue load limit - P <sub>u</sub>	1 kN
Limiting speed for grease	12000 r/min



## BEARING MANUFACTURING DE MEXICO,S.A.D...

Lubrication	
Limiting speed for oil lubrication	18000 mm/min
Ball - $D_w$	10.319 mm
Ball - $z$	26
$G_{ref}$	14.72 cm <sup>3</sup>
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



## BEARING MANUFACTURING DE MEXICO, S.A.D...

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 cm <sup>3</sup>
Preload class A $G_A$	94 N
Static axial stiffness, preload class A	56 N/ $\mu$ m
Preload class B $G_B$	190 N
Static axial stiffness, preload class B	74 N/ $\mu$ m
Preload class C $G_C$	570 N
Static axial stiffness, preload class C	117 N/ $\mu$ m
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