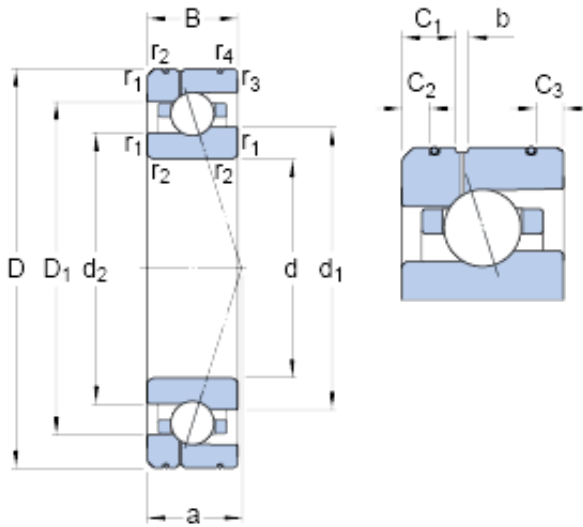




BEARING MANUFACTURING DE MEXICO, S.A.D...



90 mm x 140 mm x 24 mm SKF 7018 CE/HCP4AL1 angular contact ball bearings

Bearing No. 7018 CE/HCP4AL1

7018 CE/HCP4AL1 Bearing 2D drawings and 3D CAD models

Size	140x90x24 mm
Bore Diameter	140 mm
Outer Diameter	90 mm
Width	24 mm
d	90 mm
D	140 mm
B	24 mm
d ₁	108.33 mm
d ₂	105.5 mm
D ₁	121.66 mm
b	1.8 mm
C ₁	7.6 mm
C ₂	4.3 mm
C ₃	4.3 mm
r _{1,2} - min.	1.5 mm
r _{3,4} - min.	1 mm
a	27.5 mm
d _a - min.	97 mm
d _b - min.	97 mm
D _a - max.	133 mm
D _b - max.	134.4 mm
r _a - max.	1.5 mm
r _b - max.	1 mm
d _n	111 mm



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

Basic dynamic load rating - C	35.8 kN
Basic static load rating - C ₀	32 kN
Fatigue load limit - P _u	1.3 kN
Limiting speed for grease lubrication	15500 r/min
Limiting speed for oil lubrication	24000 mm/min
Ball - D _w	11.112 mm
Ball - z	28
G _{ref}	14 cm ³
Calculation factor - f ₀	9.6
Preload class A - G _A	190 N
Preload class B - G _B	580 N
Preload class C - G _C	1150 N
Calculation factor - f	1.1
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}	1.01
Preload class A	87 N/micron
Preload class B	138 N/micron
Preload class C	189 N/micron
d ₁	108.33 mm
d ₂	105.5 mm
D ₁	121.66 mm
C ₁	7.6 mm
C ₂	4.3 mm
C ₃	4.3 mm
r _{1,2} min.	1.5 mm



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

$r_{3,4}$ min.	1 mm
d_a min.	97 mm
d_b min.	97 mm
D_a max.	133 mm
D_b max.	134.4 mm
r_a max.	1.5 mm
r_b max.	1 mm
d_n	111 mm
Basic dynamic load rating C	35.8 kN
Basic static load rating C_0	32 kN
Fatigue load limit P_u	1.27 kN
Attainable speed for grease lubrication	15500 r/min
Attainable speed for oil-air lubrication	24000 r/min
Ball diameter D_w	11.112 mm
Number of balls z	28
Reference grease quantity G_{ref}	14 cm ³
Preload class A G_A	190 N
Static axial stiffness, preload class A	87 N/ μ m
Preload class B G_B	580 N
Static axial stiffness, preload class B	138 N/ μ m
Preload class C G_C	1150 N
Static axial stiffness, preload class C	189 N/ μ m
Calculation factor f	1.1
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}	1.01



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

Calculation factor f_0	9.6
Mass bearing	1.11 kg