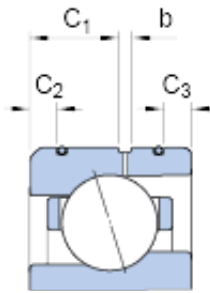
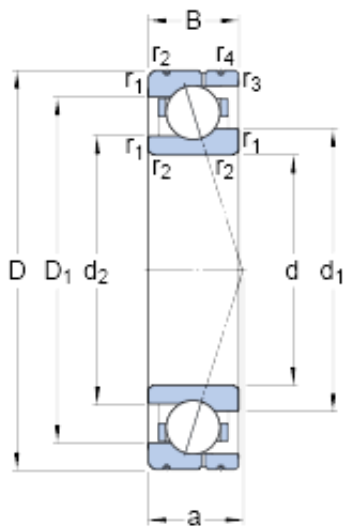




BEARING de Mexico?S.A.



25 mm x 42 mm x 9 mm SKF 71905 CE/P4AL
Angular contact ball bearings

Bearing No. 71905 CE/P4AL

Size	42x25x9 mm
Bore Diameter	42 mm
Outer Diameter	25 mm
Width	9 mm
d	25 mm
D	42 mm
B	9 mm
d ₁	30.7 mm
d ₂	29.4 mm
D ₁	36.39 mm
b	1.5 mm
C ₁	4.6 mm
C ₂	1.4 mm
C ₃	0.9 mm
r _{1,2} - min.	0.3 mm
r _{3,4} - min.	0.15 mm
a	9.2 mm
d _a - min.	27 mm
d _b - min.	27 mm
D _a - max.	40 mm
D _b - max.	41.2 mm
r _a - max.	0.3 mm
r _b - max.	0.15 mm
d _n	31.8 mm

71905 CE/P4AL Bearing 2D drawings and 3D CAD models



BEARING de Mexico?S.A.

Basic dynamic load rating - C	5.3 kN
Basic static load rating - C ₀	2.8 kN
Fatigue load limit - P _u	0.12 kN
Limiting speed for grease lubrication	49000 r/min
Limiting speed for oil lubrication	75000 mm/min
Ball - D _w	4.762 mm
Ball - z	16
G _{ref}	0.6 cm ³
Calculation factor - f ₀	8.1
Preload class A - G _A	28 N
Preload class B - G _B	85 N
Preload class C - G _C	170 N
Calculation factor - f	1.06
Calculation factor - f	1
Calculation factor - f _{2A}	1
Calculation factor - f _{2B}	1.04
Calculation factor - f _{2C}	1.08
Calculation factor - f _{HC}	1
Preload class A	20 N/micron
Preload class B	32 N/micron
Preload class C	44 N/micron
d ₁	30.7 mm
d ₂	29.4 mm
D ₁	36.39 mm
C ₁	4.6 mm
C ₂	1.4 mm
C ₃	0.9 mm
r _{1,2} min.	0.3 mm



BEARING de Mexico?S.A.

$r_{3,4}$ min.	0.15 mm
d_a min.	27 mm
d_b min.	27 mm
D_a max.	40 mm
D_b max.	41.2 mm
r_a max.	0.3 mm
r_b max.	0.15 mm
d_n	31.8 mm
Basic dynamic load rating C	5.27 kN
Basic static load rating C_0	2.85 kN
Fatigue load limit P_u	0.12 kN
Attainable speed for grease lubrication	49000 r/min
Attainable speed for oil-air lubrication	75000 r/min
Ball diameter D_w	4.762 mm
Number of balls z	16
Reference grease quantity G_{ref}	0.6 cm ³
Preload class A G_A	28 N
Static axial stiffness, preload class A	20 N/ μ m
Preload class B G_B	85 N
Static axial stiffness, preload class B	32 N/ μ m
Preload class C G_C	170 N
Static axial stiffness, preload class C	44 N/ μ m
Calculation factor f	1.06
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.04
Calculation factor f_{2C}	1.08
Calculation factor f_{HC}	1



BEARING de Mexico?S.A.

Calculation factor f_0	8.1
Mass bearing	0.04 kg