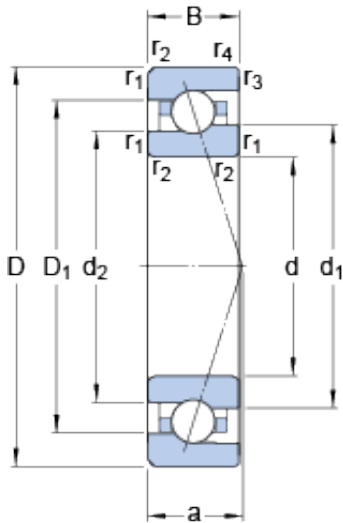




BEARING DRIVESHAFT, INC.



707 CE/P4A Bearing 2D drawings and 3D CAD models

7 mm x 19 mm x 6 mm SKF 707 CE/P4A
angular contact ball bearings

Bearing No. 707 CE/P4A

Size	19x7x6 mm
Bore Diameter	19 mm
Outer Diameter	7 mm
Width	6 mm
d	7 mm
D	19 mm
B	6 mm
d ₁	10.4 mm
d ₂	9.9 mm
D ₁	15.7 mm
r _{1,2} - min.	0.3 mm
r _{3,4} - min.	0.15 mm
a	4.8 mm
d _a - min.	9 mm
d _b - min.	9 mm
D _a - max.	17 mm
D _b - max.	17.6 mm
r _a - max.	0.3 mm
r _b - max.	0.15 mm
d _n	11.4 mm
Basic dynamic load rating - C	2 kN
Basic static load rating - C ₀	0.64 kN
Fatigue load limit - P _u	0.027 kN
Limiting speed for grease	127000 r/min



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Lubrication	
Limiting speed for oil lubrication	190000 mm/min
Ball - D_w	3.572 mm
Ball - z	8
G_{ref}	0.11 cm ³
Calculation factor - f_0	6.5
Preload class A - G_A	10 N
Preload class B - G_B	30 N
Preload class C - G_C	60 N
Calculation factor - f	1.02
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
Preload class A	8 N/micron
Preload class B	13 N/micron
Preload class C	18 N/micron
d_1	10.4 mm
d_2	9.9 mm
D_1	15.7 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.15 mm
d_a min.	9 mm
d_b min.	9 mm
D_a max.	17 mm
D_b max.	17.6 mm
r_a max.	0.3 mm
r_b max.	0.15 mm
d_n	11.4 mm



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Basic dynamic load rating C	1.95 kN
Basic static load rating C_0	0.64 kN
Fatigue load limit P_u	0.027 kN
Attainable speed for grease lubrication	127000 r/min
Attainable speed for oil-air lubrication	190000 r/min
Ball diameter D_w	3.572 mm
Number of balls z	8
Reference grease quantity G_{ref}	0.11 cm ³
Preload class A G_A	10 N
Static axial stiffness, preload class A	8 N/ μ m
Preload class B G_B	30 N
Static axial stiffness, preload class B	13 N/ μ m
Preload class C G_C	60 N
Static axial stiffness, preload class C	18 N/ μ m
Calculation factor f	1.02
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
Calculation factor f_0	6.5
Mass bearing	0.007 kg