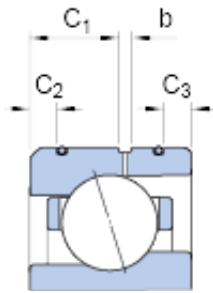
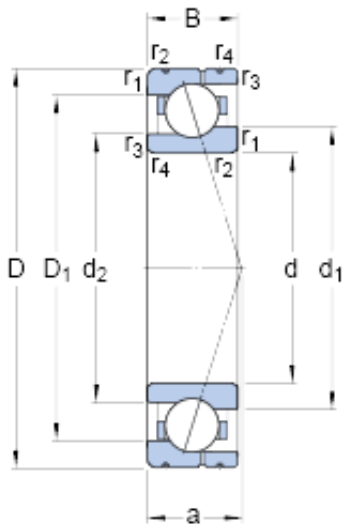




BEARING DRIVESHAFT, INC.



90 mm x 125 mm x 18 mm SKF 71918 CE/P4AL
angular contact ball bearings

Bearing No. 71918 CE/P4AL

71918 CE/P4AL Bearing 2D drawings and 3D CAD models

Size	125x90x18 mm
Bore Diameter	125 mm
Outer Diameter	90 mm
Width	18 mm
d	90 mm
D	125 mm
B	18 mm
d ₁	101 mm
d ₂	97.9 mm
D ₁	114.22 mm
b	2.6 mm
C ₁	9.3 mm
C ₂	3 mm
C ₃	3 mm
r _{1,2} - min.	1.1 mm
r _{3,4} - min.	0.6 mm
a	24.4 mm
d _a - min.	96 mm
d _b - min.	93.2 mm
D _a - max.	119 mm
D _b - max.	121.8 mm
r _a - max.	1 mm
r _b - max.	0.6 mm
d _n	103.5 mm



BEARING DRIVESHAFT, INC.

Basic dynamic load rating - C	30.2 kN
Basic static load rating - C_0	24.5 kN
Fatigue load limit - P_u	0.965 kN
Limiting speed for grease lubrication	14500 r/min
Limiting speed for oil lubrication	22000 mm/min
Ball - D_w	11.112 mm
Ball - z	24
G_{ref}	7 cm ³
Calculation factor - f_0	8.5
Preload class A - G_A	163 N
Preload class B - G_B	488 N
Preload class C - G_C	977 N
Calculation factor - f	1.19
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	65 N/micron
Preload class B	102 N/micron
Preload class C	141 N/micron
d_1	101 mm
d_2	97.9 mm
D_1	114.22 mm
C_1	9.3 mm
C_2	3 mm
C_3	3 mm
$r_{1,2}$ min.	1.1 mm



BEARING DRIVESHAFT, INC.

$r_{3,4}$ min.	0.6 mm
d_a min.	96 mm
d_b min.	93.2 mm
D_a max.	119 mm
D_b max.	121.8 mm
r_a max.	1 mm
r_b max.	0.6 mm
d_n	103.5 mm
Basic dynamic load rating C	30.2 kN
Basic static load rating C_0	24.5 kN
Fatigue load limit P_u	0.965 kN
Attainable speed for grease lubrication	14500 r/min
Attainable speed for oil-air lubrication	22000 r/min
Ball diameter D_w	11.112 mm
Number of balls z	24
Reference grease quantity G_{ref}	7 cm ³
Preload class A G_A	163 N
Static axial stiffness, preload class A	65 N/ μ m
Preload class B G_B	488 N
Static axial stiffness, preload class B	102 N/ μ m
Preload class C G_C	977 N
Static axial stiffness, preload class C	141 N/ μ m
Calculation factor f	1.19
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 DRIVESHAFT, INC.

Calculation factor f_0	8.5
Mass bearing	0.54 kg