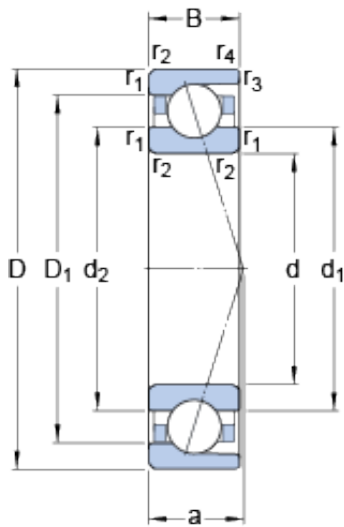




Bearing No. 7044 ACD/HCP4A

D	340 mm
d	220 mm
B	56 mm
a	93.6 mm
Ball - z	21
Size (mm)	340x220x56
Width (mm)	56
Mass bearing	13.2 kg
d_n	267.1 mm
d_n	267.1 mm
D_1	303 mm
d_1	257 mm
d_2	257 mm
D_1	303 mm
d_2	257 mm
d_1	257 mm
Bearing number	7044 ACD/HCP4A
Preload class B	789 N/micron
Preload class A	607 N/micron
Preload class D	1392 N/micron
Preload class C	1037 N/micron
G_{ref}	201 cm ³
Number of balls z	21
Bore Diameter (mm)	340
r_b max.	1.5 mm
r_a max.	2.5 mm
D_b max.	334 mm
D_a max.	327 mm
d_a min.	233 mm

d_b min.	233 mm
Outer Diameter (mm)	220
D_b - max.	334 mm
d_b - min.	233 mm
Ball - D_w	38.1 mm
$r_{1,2}$ min.	3 mm
$r_{3,4}$ min.	1.5 mm
d_a - min.	233 mm
r_a - max.	2.5 mm
D_a - max.	327 mm
r_b - max.	1.5 mm
Calculation factor f	1.13
Calculation factor e	0.68
$r_{1,2}$ - min.	3 mm
$r_{3,4}$ - min.	1.5 mm
Calculation factor - e	0.68
Calculation factor - f	1.13
Ball diameter D_w	38.1 mm
Basic dynamic load rating C	319 kN
Preload class C G_C	8000 N
Preload class B G_B	4000 N
Preload class A G_A	2000 N
Preload class D G_D	16000 N
Basic dynamic load rating - C	319 kN
Preload class B - G_B	4000 N
Preload class D - G_D	16000 N
Preload class C - G_C	8000 N
Preload class A - G_A	2000 N
Fatigue load limit P_u	11 kN
Calculation factor f_1	0.99

Calculation factor f_{2A}	1
Calculation factor f_{2C}	1.05
Calculation factor f_{2B}	1.02
Calculation factor f_{2D}	1.08
Calculation factor f_{HC}	1.02
Calculation factor - X_2	0.67
Calculation factor - f_1	0.99
Calculation factor - Y_1	0.92
Limiting speed for oil lubrication	6700 mm/min
Calculation factor - Y_0	0.76
Fatigue load limit - P_u	11 kN
Calculation factor - Y_2	1.41
Calculation factor - f_{HC}	1.02
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2D}	1.08
Limiting speed for grease lubrication	4500 r/min
Basic static load rating C_0	440 kN
Static axial stiffness, preload class B	789 N/ μ m
Attainable speed for grease lubrication	4500 r/min
Static axial stiffness, preload class D	1392 N/ μ m
Static axial stiffness, preload class C	1037 N/ μ m
Static axial stiffness, preload class A	607 N/ μ m
Basic static load rating -	440 kN

C_0	
Attainable speed for oil-air lubrication	6700 r/min
Reference grease quantity G_{ref}	201 cm ³
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (single, tandem) Y_0	0.38
Calculation factor (single, tandem) X_2	0.41
Calculation factor (back-to-back, face-to-face) Y_1	0.92
Calculation factor (back-to-back, face-to-face) Y_2	1.41
Calculation factor (back-to-back, face-to-face) Y_0	0.76
Calculation factor (back-to-back, face-to-face) X_2	0.67