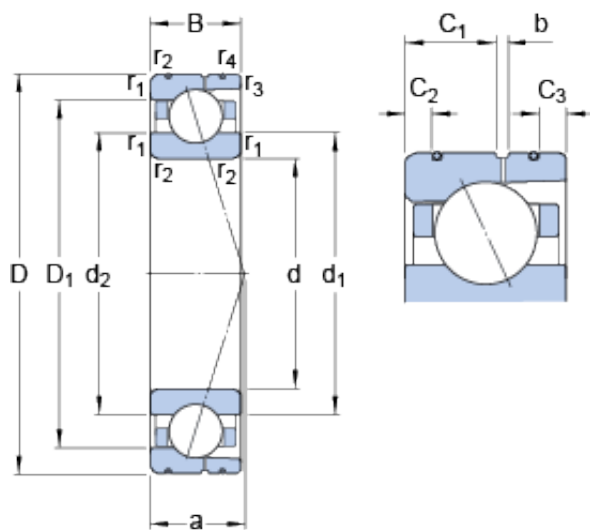




Bearing No. 7036 ACD/HCP4AL

b	2.8 mm
d	180 mm
a	76.9 mm
B	46 mm
D	280 mm
Ball - z	21
Size (mm)	280x180x46
Width (mm)	46
Mass bearing	7.69 kg
d ₂	211.8 mm
D ₁	248.2 mm
d _n	219.7 mm
C ₁	26.1 mm
C ₂	7.5 mm
C ₃	7.5 mm
C ₂	7.5 mm
C ₁	26.1 mm
d _n	219.7 mm
D ₁	248.2 mm
d ₂	211.8 mm
d ₁	211.8 mm
d ₁	211.8 mm
C ₃	7.5 mm
Bearing number	7036 ACD/HCP4AL
Preload class B	658 N/micron
Preload class A	506 N/micron
G _{ref}	111 cm3
Preload class D	1167 N/micron
Preload class C	868 N/micron

Number of balls z	21
Bore Diameter (mm)	280
r_b max.	1 mm
r_a max.	2 mm
D_b max.	274 mm
D_a max.	269 mm
d_a min.	191 mm
d_b min.	191 mm
Outer Diameter (mm)	180
r_b - max.	1 mm
d_b - min.	191 mm
d_a - min.	191 mm
D_b - max.	274 mm
$r_{1,2}$ min.	2.1 mm
$r_{3,4}$ min.	1.1 mm
D_a - max.	269 mm
r_a - max.	2 mm
Ball - D_w	30.162 mm
Calculation factor f	1.13
Calculation factor e	0.68
Calculation factor - f	1.13
$r_{1,2}$ - min.	2.1 mm
$r_{3,4}$ - min.	1.1 mm
Calculation factor - e	0.68
Ball diameter D_w	30.162 mm
Basic dynamic load rating C	229 kN
Preload class A G_A	1450 N
Preload class B G_B	2900 N
Preload class C G_C	5800 N
Basic dynamic load rating - C	229 kN
Preload class D G_D	11600 N

Preload class C - G_C	5800 N
Preload class B - G_B	2900 N
Preload class A - G_A	1450 N
Preload class D - G_D	11600 N
Fatigue load limit P_u	7.65 kN
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05
Calculation factor f_{2D}	1.08
Calculation factor f_{HC}	1.02
Calculation factor - Y_0	0.76
Calculation factor - Y_2	1.41
Calculation factor - Y_1	0.92
Calculation factor - f_1	0.99
Calculation factor - X_2	0.67
Fatigue load limit - P_u	7.6 kN
Limiting speed for oil lubrication	8000 mm/min
Calculation factor - f_{2B}	1.02
Calculation factor - f_{HC}	1.02
Calculation factor - f_{2D}	1.08
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2A}	1
Limiting speed for grease lubrication	5300 r/min
Basic static load rating C_0	275 kN
Static axial stiffness, preload class A	506 N/ μ m
Static axial stiffness,	1167 N/ μ m

preload class D	
Static axial stiffness, preload class C	868 N/ μ m
Static axial stiffness, preload class B	658 N/ μ m
Attainable speed for grease lubrication	5300 r/min
Attainable speed for oil- air lubrication	8000 r/min
Basic static load rating - C_0	275 kN
Reference grease quantity G_{ref}	111 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