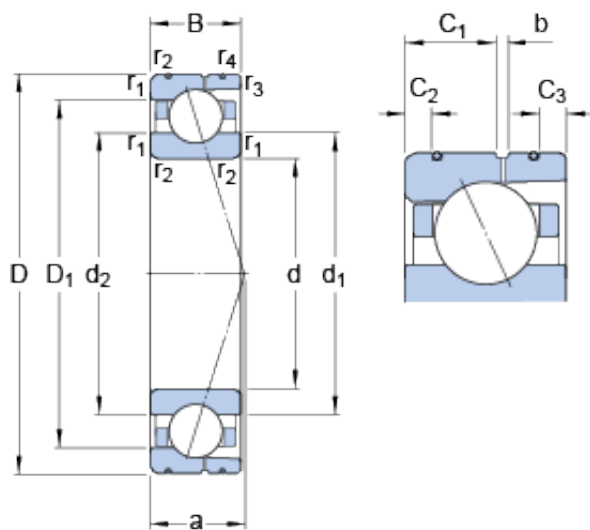




Bearing No. 7036 CD/HCP4AL

b	2.8 mm
d	180 mm
a	54 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 CD/HCP4AL
Preload class B	279 N/micron
G _{ref}	111 cm3
Preload class C	388 N/micron
Preload class D	556 N/micron
Preload class A	206 N/micron

Number of balls z	21
d_a min.	191 mm
D_a max.	269 mm
d_b min.	191 mm
D_b max.	274 mm
r_a max.	2 mm
r_b max.	1 mm
Bore Diameter (mm)	280
Outer Diameter (mm)	180
$r_{1,2}$ min.	2.1 mm
d_a - min.	191 mm
d_b - min.	191 mm
D_a - max.	269 mm
Calculation factor f	1.13
r_b - max.	1 mm
$r_{3,4}$ min.	1.1 mm
D_b - max.	274 mm
Ball - D_w	30.162 mm
r_a - max.	2 mm
Calculation factor - f	1.13
$r_{3,4}$ - min.	1.1 mm
$r_{1,2}$ - min.	2.1 mm
Ball diameter D_w	30.162 mm
Basic dynamic load rating C	242 kN
Preload class B G_B	1800 N
Preload class A G_A	900 N
Preload class D G_D	7200 N
Preload class C G_C	3600 N
Basic dynamic load rating - C	242 kN
Preload class B - G_B	1800 N

Preload class C - G_C	3600 N
Preload class D - G_D	7200 N
Preload class A - G_A	900 N
Calculation factor f_1	1
Calculation factor f_0	15.7
Fatigue load limit P_u	8.15 kN
Calculation factor f_{HC}	1.02
Calculation factor f_{2D}	1.09
Calculation factor f_{2B}	1.02
Calculation factor f_{2A}	1
Calculation factor - f	1
Calculation factor f_{2C}	1.05
Fatigue load limit - P_u	8.2 kN
Limiting speed for oil lubrication	9000 mm/min
Calculation factor - f_0	15.7
Calculation factor - f_{HC}	1.02
Calculation factor - f_{2A}	1
Calculation factor - f_{2D}	1.09
Calculation factor - f_{2B}	1.02
Calculation factor - f_{2C}	1.05
Limiting speed for grease lubrication	6000 r/min
Basic static load rating C_0	290 kN
Static axial stiffness, preload class B	279 N/ μ m
Static axial stiffness, preload class A	206 N/ μ m
Static axial stiffness, preload class C	388 N/ μ m
Static axial stiffness,	556 N/ μ m

preload class D	
Attainable speed for grease lubrication	6000 r/min
Basic static load rating - C_0	290 kN
Attainable speed for oil-air lubrication	9000 r/min
Reference grease quantity G_{ref}	111 cm ³