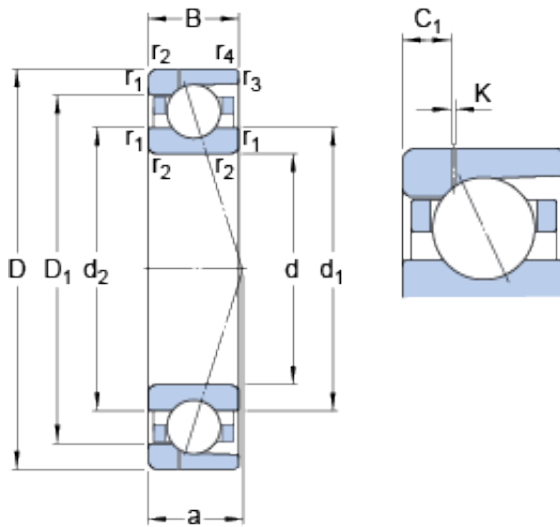




Bearing No. 7036 CD/HCP4AH1

K	0.6 mm
a	54 mm
d	180 mm
D	280 mm
B	46 mm
Ball - z	21
Size (mm)	280x180x46
Width (mm)	46
Mass bearing	7.69 kg
d_n	219.7 mm
D_1	248.2 mm
d_1	211.8 mm
C_1	13.4 mm
D_1	248.2 mm
d_2	211.8 mm
C_1	13.4 mm
d_1	211.8 mm
d_n	219.7 mm
d_2	211.8 mm
Bearing number	7036 CD/HCP4AH1
Preload class A	206 N/micron
Preload class D	556 N/micron
Preload class B	279 N/micron
Preload class C	388 N/micron
G_{ref}	111 cm ³
Number of balls z	21
r_b max.	1 mm
r_a max.	2 mm
D_b max.	274 mm

D_a max.	269 mm
d_b min.	191 mm
d_a min.	191 mm
Bore Diameter (mm)	280
Outer Diameter (mm)	180
d_b - min.	191 mm
r_b - max.	1 mm
$r_{1,2}$ min.	2.1 mm
d_a - min.	191 mm
Calculation factor f	1.13
r_a - max.	2 mm
$r_{3,4}$ min.	1.1 mm
D_a - max.	269 mm
Ball - D_w	30.162 mm
D_b - max.	274 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 D G_D	7200 N
Preload class A G_A	900 N
Preload class C G_C	3600 N
Preload class B G_B	1800 N
Basic dynamic load rating - C	242 kN
Preload class A - G_A	900 N
Preload class B - G_B	1800 N
Preload class C - G_C	3600 N
Preload class D - G_D	7200 N
Fatigue load limit P_u	8.15 kN

Calculation factor f_1	1
Calculation factor f_0	15.7
Calculation factor f_{2D}	1.09
Calculation factor - f	1
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1.02
Calculation factor f_{2B}	1.02
Calculation factor f_{2A}	1
Limiting speed for oil lubrication	9000 mm/min
Fatigue load limit - P_u	8.2 kN
Calculation factor - f_0	15.7
Calculation factor - f_{2D}	1.09
Calculation factor - f_{HC}	1.02
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2B}	1.02
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 C	388 N/ μ m
Static axial stiffness, preload class A	206 N/ μ m
Static axial stiffness, preload class D	556 N/ μ m
Attainable speed for grease lubrication	6000 r/min
Attainable speed for oil-air lubrication	9000 r/min



Basic static load rating - C_0	290 kN
Reference grease quantity G_{ref}	111 cm ³