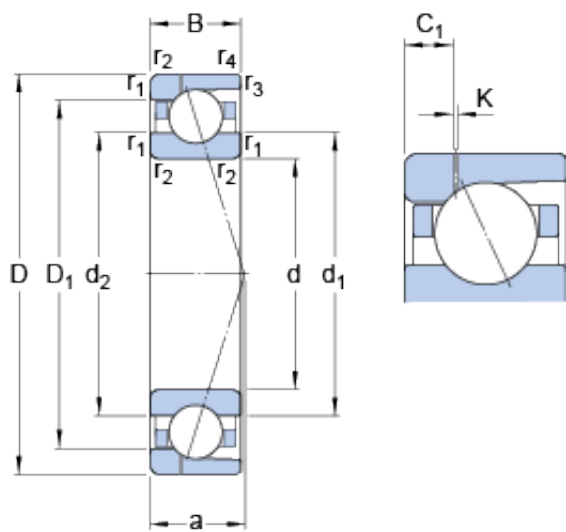




Bearing No. 7032 CD/HCP4AH1

K	0.6 mm
a	45.9 mm
d	160 mm
D	240 mm
B	38 mm
Ball - z	22
Size (mm)	240x160x38
Width (mm)	38
Mass bearing	4.26 kg
d_n	191.4 mm
D_1	215.3 mm
d_1	184.7 mm
C_1	10.3 mm
D_1	215.3 mm
d_2	184.7 mm
C_1	10.3 mm
d_1	184.7 mm
d_n	191.4 mm
d_2	184.7 mm
Bearing number	7032 CD/HCP4AH1
Preload class A	190 N/micron
Preload class D	524 N/micron
Preload class B	259 N/micron
Preload class C	363 N/micron
G_{ref}	66 cm3
Number of balls z	22
r_b max.	1 mm
r_a max.	2 mm
D_b max.	235 mm

D_a max.	229 mm
d_b min.	171 mm
d_a min.	171 mm
Bore Diameter (mm)	240
Outer Diameter (mm)	160
d_b - min.	171 mm
r_b - max.	1 mm
$r_{1,2}$ min.	2.1 mm
d_a - min.	171 mm
Calculation factor f	1.16
r_a - max.	2 mm
$r_{3,4}$ min.	1 mm
D_a - max.	229 mm
Ball - D_w	25.4 mm
D_b - max.	235 mm
Calculation factor - f	1.16
$r_{3,4}$ - min.	1 mm
$r_{1,2}$ - min.	2.1 mm
Ball diameter D_w	25.4 mm
Basic dynamic load rating C	195 kN
Preload class D G_D	5840 N
Preload class A G_A	730 N
Preload class C G_C	2920 N
Preload class B G_B	1460 N
Basic dynamic load rating - C	195 kN
Preload class A - G_A	730 N
Preload class B - G_B	1460 N
Preload class C - G_C	2920 N
Preload class D - G_D	5840 N
Fatigue load limit P_u	6.55 kN

Calculation factor f_1	1
Calculation factor f_0	15.8
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	11000 mm/min
Fatigue load limit - P_u	6.6 kN
Calculation factor - f_0	15.8
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	6700 r/min
Basic static load rating C_0	216 kN
Static axial stiffness, preload class B	259 N/ μ m
Static axial stiffness, preload class C	363 N/ μ m
Static axial stiffness, preload class A	190 N/ μ m
Static axial stiffness, preload class D	524 N/ μ m
Attainable speed for grease lubrication	6700 r/min
Attainable speed for oil-air lubrication	11000 r/min

Basic static load rating - C_0	216 kN
Reference grease quantity G_{ref}	66 cm ³