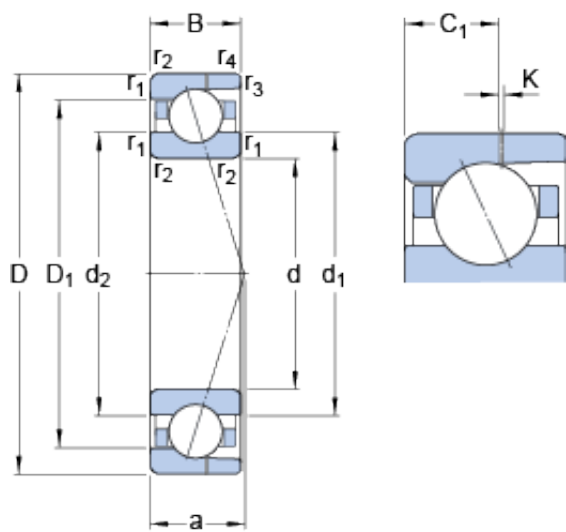




Bearing No. 7002 CD/P4AH

K	0.5 mm
a	7.7 mm
d	15 mm
D	32 mm
B	9 mm
Ball - z	12
Size (mm)	32x15x9
Width (mm)	9
Mass bearing	0.03 kg
d _n	21.5 mm
D ₁	26.4 mm
d ₁	20.6 mm
C ₁	5.35 mm
D ₁	26.4 mm
d ₂	20.6 mm
C ₁	5.35 mm
d ₁	20.6 mm
d _n	21.5 mm
d ₂	20.6 mm
Bearing number	7002 CD/P4AH
Preload class A	17 N/micron
Preload class D	44 N/micron
Preload class B	23 N/micron
Preload class C	31 N/micron
G _{ref}	0.39 cm3
Number of balls z	12
r _b max.	0.2 mm
r _a max.	0.3 mm
D _b max.	30.6 mm

D_a max.	30 mm
d_b min.	17 mm
d_a min.	17 mm
Bore Diameter (mm)	32
Outer Diameter (mm)	15
d_b - min.	17 mm
r_b - max.	0.2 mm
$r_{1,2}$ min.	0.3 mm
d_a - min.	17 mm
Calculation factor f	1.03
r_a - max.	0.3 mm
$r_{3,4}$ min.	0.2 mm
D_a - max.	30 mm
Ball - D_w	4.762 mm
D_b - max.	30.6 mm
Calculation factor - f	1.03
$r_{3,4}$ - min.	0.2 mm
$r_{1,2}$ - min.	0.3 mm
Ball diameter D_w	4.762 mm
Basic dynamic load rating C	5.2 kN
Preload class D G_D	160 N
Preload class A G_A	20 N
Preload class C G_C	80 N
Preload class B G_B	40 N
Basic dynamic load rating - C	5.2 kN
Preload class A - G_A	20 N
Preload class B - G_B	40 N
Preload class C - G_C	80 N
Preload class D - G_D	160 N
Fatigue load limit P_u	0.104 kN

Calculation factor f_1	1
Calculation factor f_0	9.3
Calculation factor f_{2D}	1.09
Calculation factor - f	1
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2A}	1
Limiting speed for oil lubrication	85000 mm/min
Fatigue load limit - P_u	0.104 kN
Calculation factor - f_0	9.3
Calculation factor - f_{2D}	1.09
Calculation factor - f_{HC}	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2C}	1.05
Calculation factor - f_{2B}	1.02
Limiting speed for grease lubrication	56000 r/min
Basic static load rating C_0	2.45 kN
Static axial stiffness, preload class B	23 N/ μ m
Static axial stiffness, preload class C	31 N/ μ m
Static axial stiffness, preload class A	17 N/ μ m
Static axial stiffness, preload class D	44 N/ μ m
Attainable speed for grease lubrication	56000 r/min
Attainable speed for oil-air lubrication	85000 r/min

Basic static load rating - C_0	2.4 kN
Reference grease quantity G_{ref}	0.39 cm ³