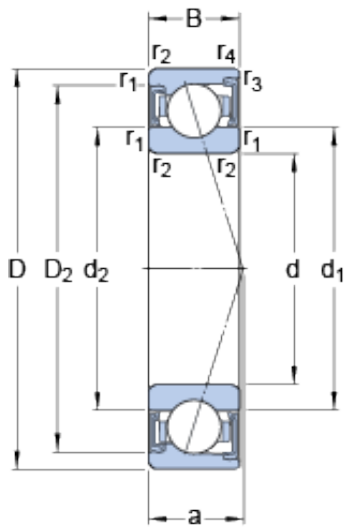




Bearing No. S7201 CD/HCP4A

D	32 mm
d	12 mm
B	10 mm
a	8 mm
Ball - z	10
Size (mm)	32x12x10
Width (mm)	10
Mass bearing	0.034 kg
D ₂	26.6 mm
d ₂	18.6 mm
d ₁	18.6 mm
d ₂	18.6 mm
D ₂	26.6 mm
d ₁	18.6 mm
Bearing number	S7201 CD/HCP4A
Preload class A	18 N/micron
Preload class B	24 N/micron
Preload class D	46 N/micron
Preload class C	33 N/micron
Number of balls z	10
r _b max.	0.3 mm
r _a max.	0.6 mm
D _b max.	29.6 mm
D _a max.	27.8 mm
d _b max.	18 mm
d _a max.	18 mm
d _a min.	16.2 mm
Bore Diameter (mm)	32
d _b min.	16.2 mm
Outer Diameter (mm)	12

$r_{3,4}$ min.	0.3 mm
d_b - min.	16.2 mm
Calculation factor f	1.02
d_a - max.	18 mm
$r_{1,2}$ min.	0.6 mm
d_a - min.	16.2 mm
d_b - max.	18 mm
D_a - max.	27.8 mm
D_b - max.	29.6 mm
r_a - max.	0.6 mm
r_b - max.	0.3 mm
Ball - D_w	5.556 mm
$r_{3,4}$ - min.	0.3 mm
Calculation factor - f	1.02
$r_{1,2}$ - min.	0.6 mm
Ball diameter D_w	5.556 mm
Basic dynamic load rating C	5.85 kN
Preload class A G_A	22 N
Basic dynamic load rating - C	5.8 kN
Preload class C G_C	88 N
Preload class D G_D	176 N
Preload class B G_B	44 N
Preload class C - G_C	88 N
Preload class D - G_D	176 N
Preload class B - G_B	44 N
Preload class A - G_A	22 N
Calculation factor f_1	1
Fatigue load limit P_u	0.108 kN
Calculation factor f_0	8.5
Calculation factor f_{2D}	1.06

Calculation factor f_{HC}	1.01
Calculation factor f_{2C}	1.03
Calculation factor f_{2B}	1.01
Calculation factor f_{2A}	1
Calculation factor - f	1
Calculation factor - f_0	8.5
Fatigue load limit - P_u	0.108 kN
Calculation factor - f_{2C}	1.03
Calculation factor - f_{2D}	1.06
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2A}	1
Calculation factor - f_{HC}	1.01
Limiting speed for grease lubrication	67000 r/min
Basic static load rating C_0	2.55 kN
Static axial stiffness, preload class A	18 N/ μ m
Static axial stiffness, preload class B	24 N/ μ m
Static axial stiffness, preload class C	33 N/ μ m
Static axial stiffness, preload class D	46 N/ μ m
Attainable speed for grease lubrication	67000 r/min
Basic static load rating - C_0	2.6 kN