



Bearing No. S7202 CD/HCP4A

D	35 mm
d	15 mm
B	11 mm
a	9 mm
Ball - z	10
Size (mm)	35x15x11
Width (mm)	11
Mass bearing	0.038 kg
D ₂	30.7 mm
d ₂	21.4 mm
d ₁	21.4 mm
d ₂	21.4 mm
D ₂	30.7 mm
d ₁	21.4 mm
Bearing number	S7202 CD/HCP4A
Preload class A	21 N/micron
Preload class B	28 N/micron
Preload class D	54 N/micron
Preload class C	39 N/micron
Number of balls z	10
r _b max.	0.3 mm
r _a max.	0.6 mm
D _b max.	32.6 mm
D _a max.	30.8 mm
d _b max.	20.8 mm
d _a max.	20.8 mm
d _a min.	19.2 mm
Bore Diameter (mm)	35
d _b min.	19.2 mm
Outer Diameter (mm)	15

$r_{3,4}$ min.	0.3 mm
d_b - min.	19.2 mm
Calculation factor f	1.03
d_a - max.	20.8 mm
$r_{1,2}$ min.	0.6 mm
d_a - min.	19.2 mm
d_b - max.	20.8 mm
D_a - max.	30.8 mm
D_b - max.	32.6 mm
r_a - max.	0.6 mm
r_b - max.	0.3 mm
Ball - D_w	6.35 mm
$r_{3,4}$ - min.	0.3 mm
Calculation factor - f	1.03
$r_{1,2}$ - min.	0.6 mm
Ball diameter D_w	6.35 mm
Basic dynamic load rating C	7.41 kN
Preload class A G_A	30 N
Basic dynamic load rating - C	7.4 kN
Preload class C G_C	120 N
Preload class D G_D	240 N
Preload class B G_B	60 N
Preload class C - G_C	120 N
Preload class D - G_D	240 N
Preload class B - G_B	60 N
Preload class A - G_A	30 N
Calculation factor f_1	1
Fatigue load limit P_u	0.14 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	0.14 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	60000 r/min
Basic static load rating C_0	3.35 kN
Static axial stiffness, preload class A	21 N/ μ m
Static axial stiffness, preload class B	28 N/ μ m
Static axial stiffness, preload class C	39 N/ μ m
Static axial stiffness, preload class D	54 N/ μ m
Attainable speed for grease lubrication	60000 r/min
Basic static load rating - C_0	3.4 kN