



Bearing No. S7200 CD/P4A

D	30 mm
d	10 mm
B	9 mm
a	7.3 mm
Ball - z	10
Size (mm)	30x10x9
Width (mm)	9
Mass bearing	0.032 kg
D ₂	24.3 mm
d ₂	17.3 mm
d ₁	17.3 mm
d ₂	17.3 mm
D ₂	24.3 mm
d ₁	17.3 mm
Bearing number	S7200 CD/P4A
Preload class A	14 N/micron
Preload class B	19 N/micron
Preload class D	37 N/micron
Preload class C	26 N/micron
Number of balls z	10
r _b max.	0.3 mm
r _a max.	0.6 mm
D _b max.	27.6 mm
D _a max.	25.8 mm
d _b max.	16.7 mm
d _a max.	16.7 mm
d _a min.	14.2 mm
Bore Diameter (mm)	30
d _b min.	14.2 mm
Outer Diameter (mm)	10

$r_{3,4}$ min.	0.3 mm
d_b - min.	14.2 mm
Calculation factor f	1.02
d_a - max.	16.7 mm
$r_{1,2}$ min.	0.6 mm
d_a - min.	14.2 mm
d_b - max.	16.7 mm
D_a - max.	25.8 mm
D_b - max.	27.6 mm
r_a - max.	0.6 mm
r_b - max.	0.3 mm
Ball - D_w	4.762 mm
$r_{3,4}$ - min.	0.3 mm
Calculation factor - f	1.02
$r_{1,2}$ - min.	0.6 mm
Ball diameter D_w	4.762 mm
Basic dynamic load rating C	4.49 kN
Preload class A G_A	17 N
Basic dynamic load rating - C	4.5 kN
Preload class C G_C	68 N
Preload class D G_D	136 N
Preload class B G_B	34 N
Preload class C - G_C	68 N
Preload class D - G_D	136 N
Preload class B - G_B	34 N
Preload class A - G_A	17 N
Calculation factor f_1	1
Fatigue load limit P_u	0.08 kN
Calculation factor f_0	8.8
Calculation factor f_{2D}	1.05

Calculation factor f_{HC}	1
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	8.8
Fatigue load limit - P_u	0.08 kN
Calculation factor - f_{2C}	1.03
Calculation factor - f_{2D}	1.05
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2A}	1
Calculation factor - f_{HC}	1
Limiting speed for grease lubrication	60000 r/min
Basic static load rating C_0	1.93 kN
Static axial stiffness, preload class A	14 N/ μ m
Static axial stiffness, preload class B	19 N/ μ m
Static axial stiffness, preload class C	26 N/ μ m
Static axial stiffness, preload class D	37 N/ μ m
Attainable speed for grease lubrication	60000 r/min
Basic static load rating - C_0	1.9 kN