



Bearing No. S7207 CD/HCP4A

D	72 mm
d	35 mm
B	17 mm
a	15.7 mm
Ball - z	13
Size (mm)	72x35x17
Width (mm)	17
Mass bearing	0.24 kg
D_2	63.2 mm
d_2	46.8 mm
d_1	46.8 mm
d_2	46.8 mm
D_2	63.2 mm
d_1	46.8 mm
Bearing number	S7207 CD/HCP4A
Preload class A	55 N/micron
Preload class B	75 N/micron
Preload class D	151 N/micron
Preload class C	104 N/micron
Number of balls z	13
r_b max.	0.3 mm
r_a max.	1 mm
D_b max.	69.6 mm
D_a max.	65 mm
d_b max.	46.2 mm
d_a max.	46.2 mm
d_a min.	42 mm
Bore Diameter (mm)	72
d_b min.	42 mm
Outer Diameter (mm)	35

$r_{3,4}$ min.	0.3 mm
d_b - min.	42 mm
Calculation factor f	1.05
d_a - max.	46.2 mm
$r_{1,2}$ min.	1.1 mm
d_a - min.	42 mm
d_b - max.	46.2 mm
D_a - max.	65 mm
D_b - max.	69.6 mm
r_a - max.	1 mm
r_b - max.	0.3 mm
Ball - D_w	11.112 mm
$r_{3,4}$ - min.	0.3 mm
Calculation factor - f	1.05
$r_{1,2}$ - min.	1.1 mm
Ball diameter D_w	11.112 mm
Basic dynamic load rating C	31.9 kN
Preload class A G_A	120 N
Basic dynamic load rating - C	31.9 kN
Preload class C G_C	480 N
Preload class D G_D	960 N
Preload class B G_B	240 N
Preload class C - G_C	480 N
Preload class D - G_D	960 N
Preload class B - G_B	240 N
Preload class A - G_A	120 N
Calculation factor f_1	1
Fatigue load limit P_u	0.915 kN
Calculation factor f_0	13.9
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	13.9
Fatigue load limit - P_u	0.915 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	26000 r/min
Basic static load rating C_0	21.6 kN
Static axial stiffness, preload class A	55 N/ μ m
Static axial stiffness, preload class B	75 N/ μ m
Static axial stiffness, preload class C	104 N/ μ m
Static axial stiffness, preload class D	151 N/ μ m
Attainable speed for grease lubrication	26000 r/min
Basic static load rating - C_0	21.6 kN