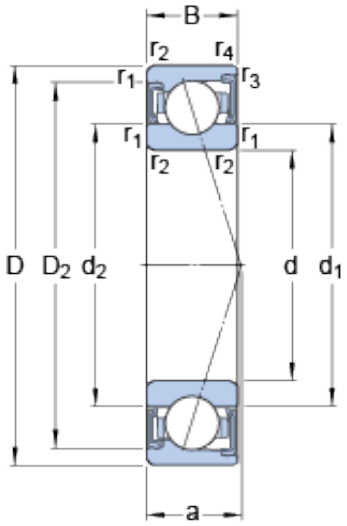

S7207 CD/HCP4A Bearing 2D drawings and 3D CAD models

35 mm x 72 mm x 17 mm SKF S7207 CD/HCP4A angular contact ball bearings

Bearing No. S7207 CD/HCP4A

Size	72x35x17 mm
Bore Diameter	72 mm
Outer Diameter	35 mm
Width	17 mm
d	35 mm
D	72 mm
B	17 mm
d_1	46.8 mm
d_2	46.8 mm
D_2	63.2 mm
$r_{1,2}$ - min.	1.1 mm
$r_{3,4}$ - min.	0.3 mm
a	15.7 mm
d_a - min.	42 mm
d_a - max.	46.2 mm
d_b - 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
Basic dynamic load rating - C	31.9 kN
Basic static load rating - C_0	21.6 kN
Fatigue load limit - P_u	0.915 kN

Limiting speed for grease lubrication	26000 r/min
Ball - D_w	11.112 mm
Ball - z	13
Calculation factor - f_0	13.9
Preload class A - G_A	120 N
Preload class B - G_B	240 N
Preload class C - G_C	480 N
Preload class D - G_D	960 N
Calculation factor - f	1.05
Calculation factor - f	1
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2C}	1.03
Calculation factor - f_{2D}	1.06
Calculation factor - f_{HC}	1.01
Preload class A	55 N/micron
Preload class B	75 N/micron
Preload class C	104 N/micron
Preload class D	151 N/micron
d_1	46.8 mm
d_2	46.8 mm
D_2	63.2 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.3 mm
d_a min.	42 mm
d_a max.	46.2 mm
d_b 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
Basic dynamic load rating C	31.9 kN
Basic static load rating C_0	21.6 kN
Fatigue load limit P_u	0.915 kN
Attainable speed for grease lubrication	26000 r/min
Ball diameter D_w	11.112 mm
Number of balls z	13
Preload class A G_A	120 N
Static axial stiffness, preload class A	55 N/ µ m
Preload class B G_B	240 N
Static axial stiffness, preload class B	75 N/ µ m
Preload class C G_C	480 N
Static axial stiffness, preload class C	104 N/ µ m
Preload class D G_D	960 N
Static axial stiffness, preload class D	151 N/ µ m
Calculation factor f	1.05
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.01
Calculation factor f_{2C}	1.03
Calculation factor f_{2D}	1.06
Calculation factor f_{HC}	1.01
Calculation factor f_0	13.9
Mass bearing	0.24 kg