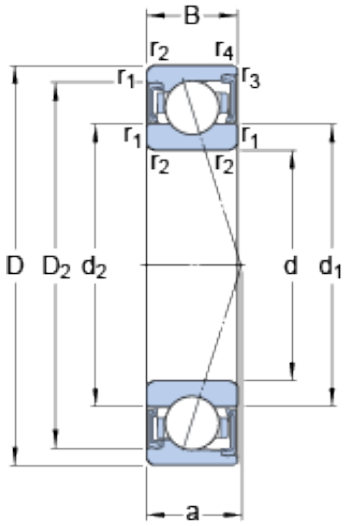

65 mm x 120 mm x 23 mm SKF S7213 ACD/P4A angular contact ball bearings

Bearing No. S7213 ACD/P4A

Size	120x65x23 mm
Bore Diameter	120 mm
Outer Diameter	65 mm
Width	23 mm
d	65 mm
D	120 mm
B	23 mm
d_1	82.9 mm
d_2	82.9 mm
D_2	105.3 mm
$r_{1,2}$ - min.	1.5 mm
$r_{3,4}$ - min.	0.6 mm
a	33.2 mm
d_a - min.	74 mm
d_a - max.	82.1 mm
d_b - min.	74 mm
d_b - max.	82.1 mm
D_a - max.	111 mm
D_b - max.	115.8 mm
r_a - max.	1.5 mm
r_b - max.	0.6 mm
Basic dynamic load rating - C	63.7 kN
Basic static load rating - C_0	51 kN
Fatigue load limit - P_u	2.2 kN

S7213 ACD/P4A Bearing 2D drawings and 3D CAD models

Limiting speed for grease lubrication	10000 r/min
Ball - D_w	15.875 mm
Ball - z	15
Calculation factor - e	0.68
Calculation factor - Y_2	0.87
Calculation factor - Y_0	0.38
Calculation factor - X_2	0.41
Calculation factor - Y_1	0.92
Calculation factor - Y_2	1.41
Calculation factor - Y_0	0.76
Calculation factor - X_2	0.67
Preload class A - G_A	400 N
Preload class B - G_B	800 N
Preload class C - G_C	1600 N
Preload class D - G_D	3200 N
Calculation factor - f	1.07
Calculation factor - f_1	0.99
Calculation factor - f_{2A}	1
Calculation factor - f_{2B}	1.01
Calculation factor - f_{2C}	1.02
Calculation factor - f_{2D}	1.05
Calculation factor - f_{HC}	1
Preload class A	189 N/micron
Preload class B	245 N/micron
Preload class C	324 N/micron
Preload class D	437 N/micron
d_1	82.9 mm
d_2	82.9 mm
D_2	105.3 mm

$r_{1,2}$ min.	1.5 mm
$r_{3,4}$ min.	0.6 mm
d_a min.	74 mm
d_a max.	82.1 mm
d_b min.	74 mm
d_b max.	82.1 mm
D_a max.	111 mm
D_b max.	115.8 mm
r_a max.	1.5 mm
r_b max.	0.6 mm
Basic dynamic load rating C	63.7 kN
Basic static load rating C_0	51 kN
Fatigue load limit P_u	2.2 kN
Attainable speed for grease lubrication	10000 r/min
Ball diameter D_w	15.875 mm
Number of balls z	15
Preload class A G_A	400 N
Static axial stiffness, preload class A	189 N/ μ m
Preload class B G_B	800 N
Static axial stiffness, preload class B	245 N/ μ m
Preload class C G_C	1600 N
Static axial stiffness, preload class C	324 N/ μ m
Preload class D G_D	3200 N
Static axial stiffness, preload class D	437 N/ μ m
Calculation factor f	1.07
Calculation factor f_1	0.99
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.01
Calculation factor f_{2C}	1.02

Calculation factor f_{2D}	1.05
Calculation factor f_{HC}	1
Calculation factor e	0.68
Calculation factor (single, tandem) Y_2	0.87
Calculation factor (single, tandem) Y_0	0.38
Calculation factor (single, tandem) X_2	0.41
Calculation factor (back-to-back, face-to-face) Y_1	0.92
Calculation factor (back-to-back, face-to-face) Y_2	1.41
Calculation factor (back-to-back, face-to-face) Y_0	0.76
Calculation factor (back-to-back, face-to-face) X_2	0.67
Mass bearing	1.03 kg