



Bearing No. S7204 CD/P4A

D	47 mm
d	20 mm
B	14 mm
a	11.6 mm
Ball - z	11
Size (mm)	47x20x14
Width (mm)	14
Mass bearing	0.11 kg
D_2	40.9 mm
d_2	29.1 mm
d_1	29.1 mm
d_2	29.1 mm
D_2	40.9 mm
d_1	29.1 mm
Bearing number	S7204 CD/P4A
Preload class A	25 N/micron
Preload class B	33 N/micron
Preload class D	63 N/micron
Preload class C	45 N/micron
Number of balls z	11
r_b max.	0.3 mm
r_a max.	1 mm
D_b max.	44.6 mm
D_a max.	41.4 mm
d_b max.	28.5 mm
d_a max.	28.5 mm
d_a min.	25.6 mm
Bore Diameter (mm)	47
d_b min.	25.6 mm
Outer Diameter (mm)	20

$r_{3,4}$ min.	0.3 mm
d_b - min.	25.6 mm
Calculation factor f	1.03
d_a - max.	28.5 mm
$r_{1,2}$ min.	1 mm
d_a - min.	25.6 mm
d_b - max.	28.5 mm
D_a - max.	41.4 mm
D_b - max.	44.6 mm
r_a - max.	1 mm
r_b - max.	0.3 mm
Ball - D_w	7.938 mm
$r_{3,4}$ - min.	0.3 mm
Calculation factor - f	1.03
$r_{1,2}$ - min.	1 mm
Ball diameter D_w	7.938 mm
Basic dynamic load rating C	11.9 kN
Preload class A G_A	45 N
Basic dynamic load rating - C	11.9 kN
Preload class C G_C	180 N
Preload class D G_D	360 N
Preload class B G_B	90 N
Preload class C - G_C	180 N
Preload class D - G_D	360 N
Preload class B - G_B	90 N
Preload class A - G_A	45 N
Calculation factor f_1	1
Fatigue load limit P_u	0.245 kN
Calculation factor f_0	8.7
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	8.7
Fatigue load limit - P_u	0.245 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	36000 r/min
Basic static load rating C_0	5.85 kN
Static axial stiffness, preload class A	25 N/ μ m
Static axial stiffness, preload class B	33 N/ μ m
Static axial stiffness, preload class C	45 N/ μ m
Static axial stiffness, preload class D	63 N/ μ m
Attainable speed for grease lubrication	36000 r/min
Basic static load rating - C_0	5.8 kN