



Bearing No. S7208 CD/P4A

D	80 mm
d	40 mm
B	18 mm
a	17.1 mm
Ball - z	14
Size (mm)	80x40x18
Width (mm)	18
Mass bearing	0.38 kg
D_2	69.7 mm
d_2	53.3 mm
d_1	53.3 mm
d_2	53.3 mm
D_2	69.7 mm
d_1	53.3 mm
Bearing number	S7208 CD/P4A
Preload class A	53 N/micron
Preload class B	71 N/micron
Preload class D	143 N/micron
Preload class C	100 N/micron
Number of balls z	14
r_b max.	0.6 mm
r_a max.	1 mm
D_b max.	75.8 mm
D_a max.	73 mm
d_b max.	52.5 mm
d_a max.	52.5 mm
d_a min.	47 mm
Bore Diameter (mm)	80
d_b min.	47 mm
Outer Diameter (mm)	40

$r_{3,4}$ min.	0.6 mm
d_b - min.	47 mm
Calculation factor f	1.05
d_a - max.	52.5 mm
$r_{1,2}$ min.	1.1 mm
d_a - min.	47 mm
d_b - max.	52.5 mm
D_a - max.	73 mm
D_b - max.	75.8 mm
r_a - max.	1 mm
r_b - max.	0.6 mm
Ball - D_w	11.112 mm
$r_{3,4}$ - min.	0.6 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	33.8 kN
Preload class A G_A	125 N
Basic dynamic load rating - C	33.8 kN
Preload class C G_C	500 N
Preload class D G_D	1000 N
Preload class B G_B	250 N
Preload class C - G_C	500 N
Preload class D - G_D	1000 N
Preload class B - G_B	250 N
Preload class A - G_A	125 N
Calculation factor f_1	1
Fatigue load limit P_u	1.02 kN
Calculation factor f_0	14.4
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	14.4
Fatigue load limit - P_u	1 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	18000 r/min
Basic static load rating C_0	24 kN
Static axial stiffness, preload class A	53 N/ μ m
Static axial stiffness, preload class B	71 N/ μ m
Static axial stiffness, preload class C	100 N/ μ m
Static axial stiffness, preload class D	143 N/ μ m
Attainable speed for grease lubrication	18000 r/min
Basic static load rating - C_0	24 kN