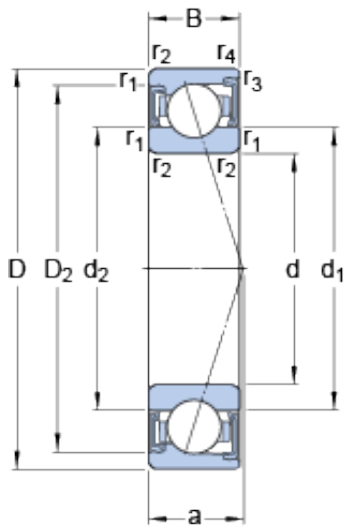




Bearing No. S7210 CD/HCP4A

D	90 mm
d	50 mm
B	20 mm
a	19.4 mm
Ball - z	15
Size (mm)	50x90x20
Width (mm)	20
Mass bearing	0.39 kg
D ₂	80.7 mm
d ₂	62.3 mm
d ₁	62.3 mm
d ₂	62.3 mm
D ₂	80.7 mm
d ₁	62.3 mm
Bearing number	S7210 CD/HCP4A
Preload class A	72 N/micron
Preload class B	98 N/micron
Preload class D	198 N/micron
Preload class C	137 N/micron
Number of balls z	15
r _b max.	0.6 mm
r _a max.	1 mm
D _b max.	85.8 mm
D _a max.	83 mm
d _b max.	61.5 mm
d _a max.	61.5 mm
d _a min.	57 mm
Bore Diameter (mm)	50
d _b min.	57 mm
Outer Diameter (mm)	90

$r_{3,4}$ min.	0.6 mm
d_b - min.	57 mm
Calculation factor f	1.08
d_a - max.	61.5 mm
$r_{1,2}$ min.	1.1 mm
d_a - min.	57 mm
d_b - max.	61.5 mm
D_a - max.	83 mm
D_b - max.	85.8 mm
r_a - max.	1 mm
r_b - max.	0.6 mm
Ball - D_w	12.7 mm
$r_{3,4}$ - min.	0.6 mm
Calculation factor - f	1.08
$r_{1,2}$ - min.	1.1 mm
Ball diameter D_w	12.7 mm
Basic dynamic load rating C	44.9 kN
Preload class A G_A	170 N
Basic dynamic load rating - C	44.9 kN
Preload class C G_C	680 N
Preload class D G_D	1360 N
Preload class B G_B	340 N
Preload class C - G_C	680 N
Preload class D - G_D	1360 N
Preload class B - G_B	340 N
Preload class A - G_A	170 N
Calculation factor f_1	1
Fatigue load limit P_u	1.43 kN
Calculation factor f_0	14.5
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	14.5
Fatigue load limit - P_u	1.4 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	19000 r/min
Basic static load rating C_0	34 kN
Static axial stiffness, preload class A	72 N/ μ m
Static axial stiffness, preload class B	98 N/ μ m
Static axial stiffness, preload class C	137 N/ μ m
Static axial stiffness, preload class D	198 N/ μ m
Attainable speed for grease lubrication	19000 r/min
Basic static load rating - C_0	34 kN