



Bearing No. S7214 CD/P4A

C	24 mm
B	24 mm
a	25 mm
d	70 mm
D	125 mm
d2	87,9 mm
d1	87,9 mm
D1	107,1 mm
D2	110,3 mm
dh	91,6 mm
Db max	120,8 mm
db min	79 mm
Weight	1,1 Kg
rb max.	0,6 mm
ra max.	1,5 mm
Da max.	116 mm
da min.	79 mm
r2 min.	1,5 mm
r4 min.	0,6 mm
r3 min.	0,6 mm
r1 min.	1,5 mm
Size (mm)	70x125x24
Width (mm)	24
Mass bearing	1.13 kg
d ₁	87.9 mm
d ₂	87.9 mm
D ₂	110.3 mm
Bearing number	S7214 CD/P4A
Number of balls z	16
d _b min.	79 mm

d_a max.	87.1 mm
r_b max.	0.6 mm
r_a max.	1.5 mm
D_b max.	120.8 mm
D_a max.	116 mm
d_b max.	87.1 mm
d_a min.	79 mm
Bore Diameter (mm)	70
Outer Diameter (mm)	125
$r_{3,4}$ min.	0.6 mm
$r_{1,2}$ min.	1.5 mm
Calculation factor f	1.08
Fatigue load limit (Pu)	2,45
(Oil) Lubrication Speed	18 000 r/min
(Grease) Lubrication Speed	11 000 r/min
Basic dynamic load rating C	68.9 kN
Ball diameter D_w	15.875 mm
Preload class B G_B	520 N
Preload class D G_D	2080 N
Preload class C G_C	1040 N
Basic static load rating (C0)	58,5 kN
Preload class A G_A	260 N
Basic dynamic load rating (C)	68,9 kN
Fatigue load limit P_u	2.45 kN
Calculation factor f_1	1
Calculation factor f_0	14.8
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.01
Calculation factor f_{2C}	1.03

Calculation factor f_{2D}	1.05
Calculation factor f_{HC}	1
Basic static load rating C_0	58.5 kN
Static axial stiffness, preload class A	83 N/ μ m
Static axial stiffness, preload class B	112 N/ μ m
Static axial stiffness, preload class C	156 N/ μ m
Static axial stiffness, preload class D	225 N/ μ m
Attainable speed for grease lubrication	11000 r/min