



Bearing No. S7019 CB/P4A

a	28.2 mm
d	95 mm
D	145 mm
B	24 mm
C	24 mm
dh	115 mm
D2	130 mm
d1	113,7 mm
d2	111,2 mm
D1	130 mm
Db max	140,4 mm
db min	102 mm
Weight	1,3 Kg
rb max.	1 mm
ra max.	1,5 mm
Da max.	138 mm
r3 min.	1 mm
da min.	102 mm
r4 min.	1 mm
r2 min.	1,5 mm
r1 min.	1,5 mm
Size (mm)	95x145x24
Width (mm)	24
Mass bearing	1.3 kg
d ₁	113.7 mm
d ₂	111.15 mm
D ₂	130 mm
Bearing number	S7019 CB/P4A
Number of balls z	26
d _a max.	112.9 mm

r_a max.	1.5 mm
D_b max.	140.4 mm
D_a max.	138 mm
d_b max.	110.4 mm
d_b min.	102 mm
Bore Diameter (mm)	95
d_a min.	102 mm
r_b max.	1 mm
Outer Diameter (mm)	145
$r_{3,4}$ min.	1 mm
$r_{1,2}$ min.	1.5 mm
Calculation factor f	1.07
(Oil) Lubrication Speed	18 000 r/min
Fatigue load limit (Pu)	1
(Grease) Lubrication Speed	12 000 r/min
Basic dynamic load rating C	37.7 kN
Ball diameter D_w	10.319 mm
Preload class B G_B	190 N
Basic static load rating (C0)	26 kN
Preload class C G_C	570 N
Preload class A G_A	56 N
Basic dynamic load rating (C)	29,6 kN
Fatigue load limit P_u	1 kN
Calculation factor f_1	1
Calculation factor f_0	9.7
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.02
Calculation factor f_{2C}	1.05
Calculation factor f_{HC}	1

Basic static load rating C_0	44 kN
Static axial stiffness, preload class A	56 N/ μ m
Static axial stiffness, preload class B	74 N/ μ m
Static axial stiffness, preload class C	117 N/ μ m
Attainable speed for grease lubrication	12000 r/min