



Bearing No. S7019 CB/HCP4A

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	1,25 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	1.23 kg
d <sub>1</sub>	113.7 mm
d <sub>2</sub>	111.15 mm
D <sub>2</sub>	130 mm
Bearing number	S7019 CB/HCP4A
Number of balls z	26
d <sub>a</sub> 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	22 000 r/min
Fatigue load limit (Pu)	1
(Grease) Lubrication Speed	14 000 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 $G_A$	94 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 $f_{HC}$	1.01

Basic static load rating $C_0$	44 kN
Static axial stiffness, preload class A	63 N/ $\mu$ m
Static axial stiffness, preload class B	82 N/ $\mu$ m
Static axial stiffness, preload class C	130 N/ $\mu$ m
Attainable speed for grease lubrication	14000 r/min