



**Bearing No. S7019 CD/P4A**

a	28.2 mm
d	95 mm
D	145 mm
B	24 mm
C	24 mm
dh	113,7 mm
D2	133,3 mm
d1	110,4 mm
d2	110,4 mm
D1	129,6 mm
Db max	141 mm
db min	102 mm
Weight	1,2 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	1.22 kg
d <sub>1</sub>	110.4 mm
D <sub>2</sub>	133.25 mm
d <sub>2</sub>	110.4 mm
Bearing number	S7019 CD/P4A
Number of balls z	21
r <sub>b</sub> max.	1 mm

Bore Diameter (mm)	95
$d_a$ min.	102 mm
$d_a$ max.	109.8 mm
$d_b$ min.	102 mm
$d_b$ max.	109.8 mm
$D_a$ max.	138 mm
$D_b$ max.	141 mm
$r_a$ max.	1.5 mm
Outer Diameter (mm)	145
$r_{1,2}$ min.	1.5 mm
Calculation factor f	1.15
$r_{3,4}$ min.	1 mm
Fatigue load limit (Pu)	3,1
(Oil) Lubrication Speed	14 000 r/min
(Grease) Lubrication Speed	8 500 r/min
Basic dynamic load rating C	81.9 kN
Ball diameter $D_w$	15.875 mm
Basic dynamic load rating (C)	81,9 kN
Basic static load rating (C0)	80 kN
Preload class A $G_A$	310 N
Preload class B $G_B$	620 N
Preload class C $G_C$	1240 N
Preload class D $G_D$	2480 N
Fatigue load limit $P_u$	3.1 kN
Calculation factor $f_0$	15.7
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{HC}$	1
Calculation factor $f_{2D}$	1.09

Calculation factor $f_{2C}$	1.05
Calculation factor $f_{2B}$	1.02
Basic static load rating $C_0$	80 kN
Static axial stiffness, preload class C	208 N/ $\mu$ m
Static axial stiffness, preload class D	302 N/ $\mu$ m
Static axial stiffness, preload class B	148 N/ $\mu$ m
Static axial stiffness, preload class A	108 N/ $\mu$ m
Attainable speed for grease lubrication	8500 r/min