



Bearing No. S7001 CE/P4A

a	6.7 mm
d	12 mm
D	28 mm
B	8 mm
C	8 mm
dh	18,5 mm
D2	24,4 mm
d1	17,5 mm
d2	16,5 mm
D1	24,4 mm
Db max	26,6 mm
db min	14 mm
Weight	0,021 Kg
rb max.	0,15 mm
ra max.	0,3 mm
Da max.	26 mm
r3 min.	0,15 mm
da min.	14 mm
r4 min.	0,15 mm
r2 min.	0,3 mm
r1 min.	0,3 mm
Size (mm)	12x28x8
Width (mm)	8
Mass bearing	0.021 kg
d <sub>1</sub>	17.5 mm
d <sub>2</sub>	16.5 mm
D <sub>2</sub>	24.35 mm
Bearing number	S7001 CE/P4A
Number of balls z	12
d <sub>a</sub> max.	17.1 mm

$r_a$ max.	0.3 mm
$D_b$ max.	26.6 mm
$D_a$ max.	26 mm
$d_b$ max.	16.1 mm
$d_b$ min.	14 mm
Bore Diameter (mm)	12
$d_a$ min.	14 mm
$r_b$ max.	0.15 mm
Outer Diameter (mm)	28
$r_{3,4}$ min.	0.15 mm
$r_{1,2}$ min.	0.3 mm
Calculation factor f	1.02
(Oil) Lubrication Speed	127 000 r/min
Fatigue load limit (Pu)	0,057
(Grease) Lubrication Speed	80 000 r/min
Basic dynamic load rating C	3.19 kN
Ball diameter $D_w$	3.969 mm
Preload class B $G_B$	53 N
Basic static load rating (C0)	1,34 kN
Preload class C $G_C$	110 N
Preload class A $G_A$	17 N
Basic dynamic load rating (C)	3,19 kN
Fatigue load limit $P_u$	0.057 kN
Calculation factor $f_1$	1
Calculation factor $f_0$	7.3
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.03
Calculation factor $f_{2C}$	1.05
Calculation factor $f_{HC}$	1

Basic static load rating $C_0$	1.34 kN
Static axial stiffness, preload class A	13 N/ $\mu\text{m}$
Static axial stiffness, preload class B	21 N/ $\mu\text{m}$
Static axial stiffness, preload class C	30 N/ $\mu\text{m}$
Attainable speed for grease lubrication	80000 r/min