



## 8 mm x 22 mm x 7 mm SKF 708 CE/P4AH angular contact ball bearings

Bearing No. 708 CE/P4AH

708 CE/P4AH Bearing 2D drawings and 3D CAD models

Size	22x8x7 mm
Bore Diameter	22 mm
Outer Diameter	8 mm
Width	7 mm
d	8 mm
D	22 mm
B	7 mm
d <sub>1</sub>	12.1 mm
d <sub>2</sub>	11.5 mm
D <sub>1</sub>	17.9 mm
K	0.5 mm
C <sub>1</sub>	4.25 mm
r <sub>1,2</sub> - min.	0.3 mm
r <sub>3,4</sub> - min.	0.15 mm
a	5.6 mm
d <sub>a</sub> - min.	10 mm
d <sub>b</sub> - min.	10 mm
D <sub>a</sub> - max.	20 mm
D <sub>b</sub> - max.	20.6 mm
r <sub>a</sub> - max.	0.3 mm
r <sub>b</sub> - max.	0.15 mm
d <sub>n</sub>	13.3 mm
Basic dynamic load rating - C	2.3 kN
Basic static load rating - C <sub>0</sub>	0.8 kN



## NTN BEARING USA CORP.

Fatigue load limit - $P_u$	0.034 kN
Limiting speed for grease lubrication	109000 r/min
Limiting speed for oil lubrication	165000 mm/min
Ball - $D_w$	3.969 mm
Ball - $z$	8
$G_{ref}$	0.17 cm <sup>3</sup>
Calculation factor - $f_0$	6.6
Preload class A - $G_A$	15 N
Preload class B - $G_B$	35 N
Preload class C - $G_C$	75 N
Calculation factor - $f$	1.02
Calculation factor - $f$	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.03
Calculation factor - $f_{2C}$	1.05
Calculation factor - $f_{HC}$	1
Preload class A	10 N/micron
Preload class B	14 N/micron
Preload class C	20 N/micron
$d_1$	12.1 mm
$d_2$	11.5 mm
$D_1$	17.9 mm
$C_1$	4.25 mm
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.15 mm
$d_a$ min.	10 mm
$d_b$ min.	10 mm
$D_a$ max.	20 mm
$D_b$ max.	20.6 mm



## NTN BEARING USA CORP.

$r_a$ max.	0.3 mm
$r_b$ max.	0.15 mm
$d_n$	13.3 mm
Basic dynamic load rating C	2.34 kN
Basic static load rating $C_0$	0.8 kN
Fatigue load limit $P_u$	0.034 kN
Attainable speed for grease lubrication	109000 r/min
Attainable speed for oil-air lubrication	165000 r/min
Ball diameter $D_w$	3.969 mm
Number of balls z	8
Reference grease quantity $G_{ref}$	0.17 cm <sup>3</sup>
Preload class A $G_A$	15 N
Static axial stiffness, preload class A	10 N/ $\mu$ m
Preload class B $G_B$	35 N
Static axial stiffness, preload class B	14 N/ $\mu$ m
Preload class C $G_C$	75 N
Static axial stiffness, preload class C	20 N/ $\mu$ m
Calculation factor f	1.02
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.03
Calculation factor $f_{2C}$	1.05
Calculation factor $f_{HC}$	1
Calculation factor $f_0$	6.6
Mass bearing	0.012 kg