



S7022 CE/P4A Bearing 2D drawings and 3D CAD models

110 mm x 170 mm x 28 mm SKF S7022 CE/P4A angular contact ball bearings

Bearing No. S7022 CE/P4A

Size	170x110x28 mm
Bore Diameter	170 mm
Outer Diameter	110 mm
Width	28 mm
d	110 mm
D	170 mm
B	28 mm
d <sub>1</sub>	132.38 mm
d <sub>2</sub>	129.2 mm
D <sub>2</sub>	152.2 mm
r <sub>1,2</sub> - min.	2 mm
r <sub>3,4</sub> - min.	1 mm
a	32.9 mm
d <sub>a</sub> - min.	118.8 mm
d <sub>a</sub> - max.	131.6 mm
d <sub>b</sub> - min.	118.8 mm
d <sub>b</sub> - max.	128.4 mm
D <sub>a</sub> - max.	161.2 mm
D <sub>b</sub> - max.	164.4 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
Basic dynamic load rating - C	47.5 kN
Basic static load rating - C <sub>0</sub>	45 kN
Fatigue load limit - P <sub>u</sub>	1.6 kN

Limiting speed for grease lubrication	10900 r/min
Ball - $D_w$	12.7 mm
Ball - z	30
Calculation factor - $f_0$	9.6
Preload class A - $G_A$	250 N
Preload class B - $G_B$	760 N
Preload class C - $G_C$	1520 N
Calculation factor - f	1.1
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	94 N/micron
Preload class B	149 N/micron
Preload class C	204 N/micron
$d_1$	132.38 mm
$d_2$	129.2 mm
$D_2$	152.2 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
$d_a$ min.	118.8 mm
$d_a$ max.	131.6 mm
$d_b$ min.	118.8 mm
$d_b$ max.	128.4 mm
$D_a$ max.	161.2 mm
$D_b$ max.	164.4 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
Basic dynamic load rating C	47.5 kN

Basic static load rating $C_0$	45 kN
Fatigue load limit $P_u$	1.6 kN
Attainable speed for grease lubrication	10900 r/min
Ball diameter $D_w$	12.7 mm
Number of balls $z$	30
Preload class A $G_A$	250 N
Static axial stiffness, preload class A	94 N/ $\mu$ m
Preload class B $G_B$	760 N
Static axial stiffness, preload class B	149 N/ $\mu$ m
Preload class C $G_C$	1520 N
Static axial stiffness, preload class C	204 N/ $\mu$ m
Calculation factor $f$	1.1
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 $f_0$	9.6
Mass bearing	2.15 kg