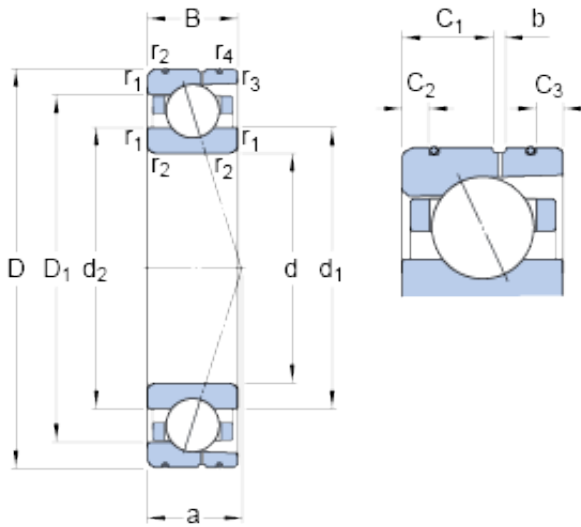




# Changzhou SND bearing Co.,Ltd



## 120 mm x 165 mm x 22 mm SKF 71924 CD/P4AL angular contact ball bearings

Bearing No. 71924 CD/P4AL

71924 CD/P4AL Bearing 2D drawings and 3D CAD models

Size	165x120x22 mm
Bore Diameter	120 mm
Outer Diameter	165 mm
Width	22 mm
d	120 mm
D	165 mm
B	22 mm
d <sub>1</sub>	133.9 mm
d <sub>2</sub>	133.9 mm
D <sub>1</sub>	151.1 mm
b	2.6 mm
C <sub>1</sub>	11.9 mm
C <sub>2</sub>	4.2 mm
C <sub>3</sub>	2.9 mm
r <sub>1,2</sub> - min.	1.1 mm
r <sub>3,4</sub> - min.	0.6 mm
a	30.2 mm
d <sub>a</sub> - min.	126 mm
d <sub>b</sub> - min.	126 mm
D <sub>a</sub> - max.	159 mm
D <sub>b</sub> - max.	161 mm
r <sub>a</sub> - max.	1 mm
r <sub>b</sub> - max.	0.6 mm
d <sub>n</sub>	137.6 mm



## Changzhou SND bearing Co.,Ltd

Basic dynamic load rating - C	78 kN
Basic static load rating - C <sub>0</sub>	91.5 kN
Fatigue load limit - P <sub>u</sub>	3.2 kN
Limiting speed for grease lubrication	7500 r/min
Limiting speed for oil lubrication	12000 mm/min
Ball - D <sub>w</sub>	14.288 mm
Ball - z	28
G <sub>ref</sub>	15.3 cm <sup>3</sup>
Calculation factor - f <sub>0</sub>	16.5
Preload class A - G <sub>A</sub>	290 N
Preload class B - G <sub>B</sub>	580 N
Preload class C - G <sub>C</sub>	1160 N
Preload class D - G <sub>D</sub>	2320 N
Calculation factor - f	1.26
Calculation factor - f	1
Calculation factor - f <sub>2A</sub>	1
Calculation factor - f <sub>2B</sub>	1.04
Calculation factor - f <sub>2C</sub>	1.09
Calculation factor - f <sub>2D</sub>	1.15
Calculation factor - f <sub>HC</sub>	1
Preload class A	127 N/micron
Preload class B	174 N/micron
Preload class C	246 N/micron
Preload class D	361 N/micron
d <sub>1</sub>	133.9 mm
d <sub>2</sub>	133.9 mm
D <sub>1</sub>	151.1 mm
C <sub>1</sub>	11.9 mm



## Changzhou SND bearing Co.,Ltd

$C_2$	4.2 mm
$C_3$	2.9 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
$d_a$ min.	126 mm
$d_b$ min.	126 mm
$D_a$ max.	159 mm
$D_b$ max.	161 mm
$r_a$ max.	1 mm
$r_b$ max.	0.6 mm
$d_n$	137.6 mm
Basic dynamic load rating C	78 kN
Basic static load rating $C_0$	91.5 kN
Fatigue load limit $P_u$	3.25 kN
Attainable speed for grease lubrication	7500 r/min
Attainable speed for oil-air lubrication	12000 r/min
Ball diameter $D_w$	14.288 mm
Number of balls z	28
Reference grease quantity $G_{ref}$	15.3 cm <sup>3</sup>
Preload class A $G_A$	290 N
Static axial stiffness, preload class A	127 N/ $\mu$ m
Preload class B $G_B$	580 N
Static axial stiffness, preload class B	174 N/ $\mu$ m
Preload class C $G_C$	1160 N
Static axial stiffness, preload class C	246 N/ $\mu$ m
Preload class D $G_D$	2320 N
Static axial stiffness, preload class D	361 N/ $\mu$ m



## Changzhou SND bearing Co.,Ltd

Calculation factor $f$	1.26
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.04
Calculation factor $f_{2C}$	1.09
Calculation factor $f_{2D}$	1.15
Calculation factor $f_{HC}$	1
Calculation factor $f_0$	16.5
Mass bearing	1.15 kg