



## 71932 CD/P4AL SKF Angular Contact Ball Bearings

Bearing No. 71932 CD/P4AL

71932 CD/P4AL Bearing 2D drawings and 3D CAD models

Size	220x160x28 mm
Bore Diameter	220 mm
Outer Diameter	160 mm
Width	28 mm
d	160 mm
D	220 mm
B	28 mm
d <sub>1</sub>	178.5 mm
d <sub>2</sub>	178.5 mm
D <sub>1</sub>	201.5 mm
b	2.6 mm
C <sub>1</sub>	15.6 mm
C <sub>2</sub>	6.6 mm
C <sub>3</sub>	5.6 mm
r <sub>1,2</sub> - min.	2 mm
r <sub>3,4</sub> - min.	1 mm
a	39.6 mm
d <sub>a</sub> - min.	169 mm
d <sub>b</sub> - min.	169 mm
D <sub>a</sub> - max.	211 mm
D <sub>b</sub> - max.	215 mm
r <sub>a</sub> - max.	2 mm
r <sub>b</sub> - max.	1 mm
d <sub>n</sub>	183.5 mm

Basic dynamic load rating - C	130 kN
Basic static load rating - C <sub>0</sub>	160 kN
Fatigue load limit - P <sub>u</sub>	5 kN
Limiting speed for grease lubrication	6000 r/min
Limiting speed for oil lubrication	9000 mm/min
Ball - D <sub>w</sub>	19.05 mm
Ball - z	28
G <sub>ref</sub>	33 cm <sup>3</sup>
Calculation factor - f <sub>0</sub>	16.4
Preload class A - G <sub>A</sub>	490 N
Preload class B - G <sub>B</sub>	980 N
Preload class C - G <sub>C</sub>	1960 N
Preload class D - G <sub>D</sub>	3920 N
Calculation factor - f	1.27
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	166 N/micron
Preload class B	227 N/micron
Preload class C	321 N/micron
Preload class D	471 N/micron
d <sub>1</sub>	178.5 mm
d <sub>2</sub>	178.5 mm
D <sub>1</sub>	201.5 mm
C <sub>1</sub>	15.6 mm

$C_2$	6.6 mm
$C_3$	5.6 mm
$r_{1,2}$ min.	2 mm
$r_{3,4}$ min.	1 mm
$d_a$ min.	169 mm
$d_b$ min.	169 mm
$D_a$ max.	211 mm
$D_b$ max.	215 mm
$r_a$ max.	2 mm
$r_b$ max.	1 mm
$d_n$	183.5 mm
Basic dynamic load rating C	130 kN
Basic static load rating $C_0$	160 kN
Fatigue load limit $P_u$	5 kN
Attainable speed for grease lubrication	6000 r/min
Attainable speed for oil-air lubrication	9000 r/min
Ball diameter $D_w$	19.05 mm
Number of balls z	28
Reference grease quantity $G_{ref}$	33 cm <sup>3</sup>
Preload class A $G_A$	490 N
Static axial stiffness, preload class A	166 N/ $\mu$ m
Preload class B $G_B$	980 N
Static axial stiffness, preload class B	227 N/ $\mu$ m
Preload class C $G_C$	1960 N
Static axial stiffness, preload class C	321 N/ $\mu$ m
Preload class D $G_D$	3920 N
Static axial stiffness, preload class D	471 N/ $\mu$ m

# LOYAL

Calculation factor $f$	1.27
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 $f_0$	16.4
Mass bearing	2.7 kg