



# NTPT NTK BEARINGS CO.,LTD.



71826 CD/HCP4 Bearing 2D drawings and 3D CAD models

## 130 mm x 165 mm x 18 mm SKF 71826 CD/HCP4 Angular contact ball bearing

Bearing No. 71826 CD/HCP4

Size	165x130x18 mm
Bore Diameter	165 mm
Outer Diameter	130 mm
Width	18 mm
d	130 mm
D	165 mm
B	18 mm
d <sub>1</sub>	141.78 mm
d <sub>2</sub>	141.78 mm
D <sub>1</sub>	153.21 mm
r <sub>1,2</sub> - min.	1.1 mm
r <sub>3,4</sub> - min.	0.6 mm
a	28.8 mm
d <sub>a</sub> - min.	136 mm
d <sub>b</sub> - min.	136 mm
D <sub>a</sub> - max.	159 mm
D <sub>b</sub> - max.	161.8 mm
r <sub>a</sub> - max.	1 mm
r <sub>b</sub> - max.	0.6 mm
d <sub>n</sub>	144 mm
Basic dynamic load rating - C	39 kN
Basic static load rating - C <sub>0</sub>	53 kN
Fatigue load limit - P <sub>u</sub>	1.9 kN
Limiting speed for grease	8500 r/min



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Lubrication	
Limiting speed for oil lubrication	13000 mm/min
Ball - $D_w$	9.525 mm
Ball - $z$	35
$G_{ref}$	9.3 cm <sup>3</sup>
Calculation factor - $f_0$	17.3
Preload class A - $G_A$	210 N
Preload class B - $G_B$	620 N
Preload class C - $G_C$	1230 N
Calculation factor - $f$	1.34
Calculation factor - $f$	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.1
Calculation factor - $f_{2C}$	1.18
Calculation factor - $f_{HC}$	1.02
Preload class A	132 N/micron
Preload class B	224 N/micron
Preload class C	329 N/micron
$d_1$	141.78 mm
$d_2$	141.78 mm
$D_1$	153.21 mm
$r_{1,2}$ min.	1.1 mm
$r_{3,4}$ min.	0.6 mm
$d_a$ min.	136 mm
$d_b$ min.	136 mm
$D_a$ max.	159 mm
$D_b$ max.	161.8 mm
$r_a$ max.	1 mm
$r_b$ max.	0.6 mm
$d_n$	144 mm



## NTPT NTK BEARINGS CO.,LTD.

Basic dynamic load rating C	39 kN
Basic static load rating $C_0$	53 kN
Fatigue load limit $P_u$	1.86 kN
Attainable speed for grease lubrication	8500 r/min
Attainable speed for oil-air lubrication	13000 r/min
Ball diameter $D_w$	9.525 mm
Number of balls z	35
Reference grease quantity $G_{ref}$	9.3 cm <sup>3</sup>
Preload class A $G_A$	210 N
Static axial stiffness, preload class A	132 N/ $\mu$ m
Preload class B $G_B$	620 N
Static axial stiffness, preload class B	224 N/ $\mu$ m
Preload class C $G_C$	1230 N
Static axial stiffness, preload class C	329 N/ $\mu$ m
Calculation factor f	1.34
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.1
Calculation factor $f_{2C}$	1.18
Calculation factor $f_{HC}$	1.02
Calculation factor $f_0$	17.3
Mass bearing	0.7 kg