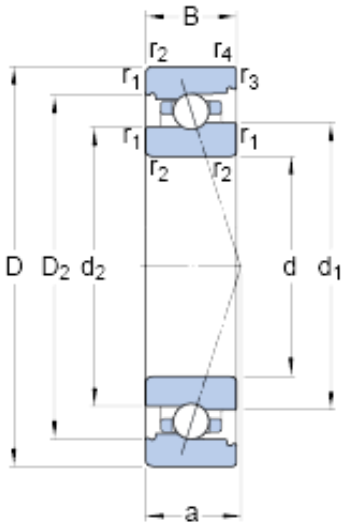




# NTN Bearing Rolamentos do Brasil Ltda.



## 75 mm x 105 mm x 16 mm skf 71915 CB/P4A Super-precision Angular contact ball bearings

Bearing No. 71915 CB/P4A

71915 CB/P4A Bearing 2D drawings and 3D CAD models

Size	105x75x16 mm
Bore Diameter	105 mm
Outer Diameter	75 mm
Width	16 mm
d	75 mm
D	105 mm
B	16 mm
d <sub>1</sub>	85.94 mm
d <sub>2</sub>	84.55 mm
D <sub>2</sub>	97.5 mm
r <sub>1,2</sub> - min.	1 mm
r <sub>3,4</sub> - min.	0.6 mm
a	22.3 mm
d <sub>a</sub> - min.	79.6 mm
d <sub>b</sub> - min.	79.6 mm
D <sub>a</sub> - max.	100 mm
D <sub>b</sub> - max.	101.8 mm
r <sub>a</sub> - max.	1 mm
r <sub>b</sub> - max.	0.6 mm
d <sub>n</sub>	86.9 mm
Basic dynamic load rating - C	14 kN
Basic static load rating - C <sub>0</sub>	13.2 kN
Fatigue load limit - P <sub>u</sub>	0.56 kN
Limiting speed for grease	17000 r/min



## NTN Bearing Rolamentos do Brasil Ltda.

Lubrication	
Limiting speed for oil lubrication	26000 mm/min
Ball - $D_w$	6.35 mm
Ball - $z$	34
$G_{ref}$	4.76 cm3
Calculation factor - $f_0$	9.9
Preload class A - $G_A$	46 N
Preload class B - $G_B$	92 N
Preload class C - $G_C$	275 N
Calculation factor - $f$	1.11
Calculation factor - $f$	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.02
Calculation factor - $f_{2C}$	1.07
Calculation factor - $f_{HC}$	1
Preload class A	46 N/micron
Preload class B	60 N/micron
Preload class C	96 N/micron
$d_1$	85.94 mm
$d_2$	84.55 mm
$D_2$	97.5 mm
$r_{1,2}$ min.	1 mm
$r_{3,4}$ min.	0.6 mm
$d_a$ min.	79.6 mm
$d_b$ min.	79.6 mm
$D_a$ max.	100 mm
$D_b$ max.	101.8 mm
$r_a$ max.	1 mm
$r_b$ max.	0.6 mm
$d_n$	86.9 mm



## NTN Bearing Rolamentos do Brasil Ltda.

Basic dynamic load rating C	19 kN
Basic static load rating $C_0$	21.2 kN
Fatigue load limit $P_u$	0.56 kN
Attainable speed for grease lubrication	17000 r/min
Attainable speed for oil-air lubrication	26000 r/min
Ball diameter $D_w$	6.35 mm
Number of balls z	34
Reference grease quantity $G_{ref}$	4.76 cm <sup>3</sup>
Preload class A $G_A$	46 N
Static axial stiffness, preload class A	46 N/ $\mu$ m
Preload class B $G_B$	92 N
Static axial stiffness, preload class B	60 N/ $\mu$ m
Preload class C $G_C$	275 N
Static axial stiffness, preload class C	96 N/ $\mu$ m
Calculation factor f	1.11
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.02
Calculation factor $f_{2C}$	1.07
Calculation factor $f_{HC}$	1
Calculation factor $f_0$	9.9
Mass bearing	0.36 kg