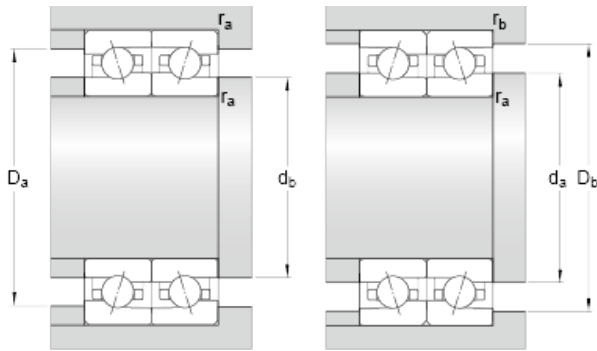




# NTN Bearing Rolamentos do Brasil Ltda.



65 mm x 100 mm x 18 mm skf 7013  
CE/P4BVG275 Super-precision Angular contact  
ball bearings

Bearing No. 7013 CE/P4BVG275

7013 CE/P4BVG275 Bearing 2D drawings and 3D CAD  
models

d	65 mm
D	100 mm
B	18 mm
d <sub>1</sub>	77.26 mm
d <sub>2</sub>	74.9 mm
D <sub>1</sub>	87.72 mm
r <sub>1,2</sub> min.	1.1 mm
r <sub>3,4</sub> min.	0.6 mm
a	20.2 mm
d <sub>a</sub> min.	71 mm
d <sub>b</sub> min.	71 mm
D <sub>a</sub> max.	94 mm
D <sub>b</sub> max.	95.8 mm
r <sub>a</sub> max.	1 mm
r <sub>b</sub> max.	0.6 mm
Basic dynamic load rating C	20.3 kN
Basic static load rating C <sub>0</sub>	15.6 kN
Fatigue load limit P <sub>u</sub>	0.655 kN
Attainable speed for grease lubrication	19000 r/min
Ball diameter D <sub>w</sub>	8.731 mm
Number of balls z	25
Reference grease quantity G <sub>ref</sub>	6.2 cm <sup>3</sup>
Preload class A G <sub>A</sub>	110 N



## NTN Bearing Rolamentos do Brasil Ltda.

Static axial stiffness, preload class A	53 N/ $\mu$ m
Preload class B $G_B$	330 N
Static axial stiffness, preload class B	83 N/ $\mu$ m
Preload class C $G_C$	650 N
Static axial stiffness, preload class C	112 N/ $\mu$ m
Calculation factor f	1.09
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 $f_0$	8.4
Mass bearing	0.43 kg