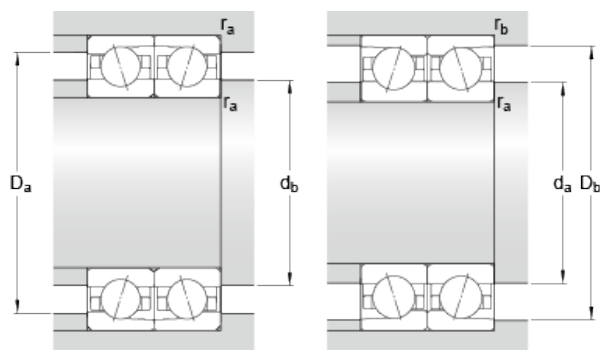




# ISOSTATIC BEARING LIMITED



## 71904 CDTP/P4B SKF High Speed Angular Contact Ball Bearings

Bearing No. 71904 CDTP/P4B

71904 CDTP/P4B Bearing 2D drawings and 3D CAD models

d	20 mm
D	37 mm
B	9 mm
d <sub>1</sub>	25.6 mm
d <sub>2</sub>	25.6 mm
D <sub>1</sub>	31.4 mm
r <sub>1,2</sub> min.	0.3 mm
r <sub>3,4</sub> min.	0.2 mm
a	8.4 mm
d <sub>a</sub> min.	22 mm
d <sub>b</sub> min.	22 mm
D <sub>a</sub> max.	35 mm
D <sub>b</sub> max.	35.6 mm
r <sub>a</sub> max.	0.3 mm
r <sub>b</sub> max.	0.2 mm
Basic dynamic load rating C	6.05 kN
Basic static load rating C <sub>0</sub>	3.2 kN
Fatigue load limit P <sub>u</sub>	0.137 kN
Attainable speed for grease lubrication	43000 r/min
Ball diameter D <sub>w</sub>	4.762 mm
Number of balls z	15
Reference grease quantity G <sub>ref</sub>	0.45 cm <sup>3</sup>
Preload class A G <sub>A</sub>	25 N
Static axial stiffness, preload	22 N/ μ m



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class A	
Preload class B $G_B$	50 N
Static axial stiffness, preload class B	29 N/ $\mu$ m
Preload class C $G_C$	100 N
Static axial stiffness, preload class C	40 N/ $\mu$ m
Preload class D $G_D$	200 N
Static axial stiffness, preload class D	56 N/ $\mu$ m
Calculation factor $f$	1.05
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 $f_0$	9.8
Mass bearing	0.035 kg