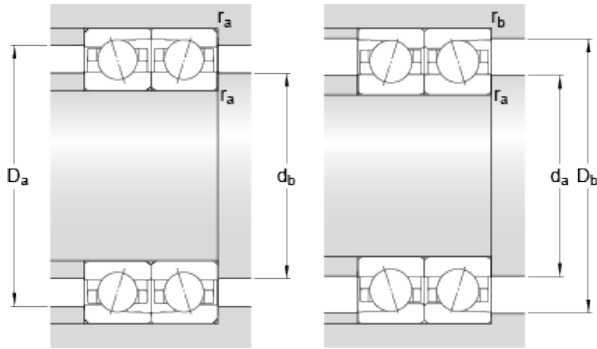




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## SKF 71910 CDTP/P4B Angular Contact Ball Bearings, Super-Precision

Bearing No. 71910 CDTP/P4B

71910 CDTP/P4B Bearing 2D drawings and 3D CAD models

d	50 mm
D	72 mm
B	12 mm
d <sub>1</sub>	57.1 mm
d <sub>2</sub>	57.1 mm
D <sub>1</sub>	64.9 mm
r <sub>1,2</sub> min.	0.6 mm
r <sub>3,4</sub> min.	0.3 mm
a	14.2 mm
d <sub>a</sub> min.	53.2 mm
d <sub>b</sub> min.	53.2 mm
D <sub>a</sub> max.	68.8 mm
D <sub>b</sub> max.	70.6 mm
r <sub>a</sub> max.	0.6 mm
r <sub>b</sub> max.	0.3 mm
Basic dynamic load rating C	13.5 kN
Basic static load rating C <sub>0</sub>	10.4 kN
Fatigue load limit P <sub>u</sub>	0.44 kN
Attainable speed for grease lubrication	17000 r/min
Ball diameter D <sub>w</sub>	6.35 mm
Number of balls z	25
Reference grease quantity G <sub>ref</sub>	1.74 cm <sup>3</sup>
Preload class A G <sub>A</sub>	50 N
Static axial stiffness, preload	43 N/μm



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class A	
Preload class B $G_B$	100 N
Static axial stiffness, preload class B	57 N/ $\mu$ m
Preload class C $G_C$	200 N
Static axial stiffness, preload class C	78 N/ $\mu$ m
Preload class D $G_D$	400 N
Static axial stiffness, preload class D	110 N/ $\mu$ m
Calculation factor $f$	1.13
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 $f_0$	10.7
Mass bearing	0.13 kg