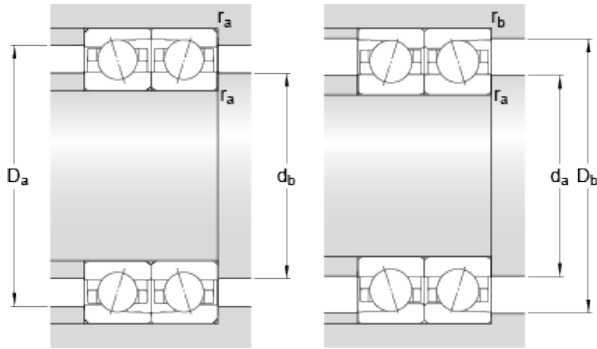




# BEARING PRECISION AXLE CORP.



## 71910 ACDTP/P4B SKF High Speed Angular Contact Ball Bearings

Bearing No. 71910 ACDTP/P4B

71910 ACDTP/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	20.3 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	12.7 kN
Basic static load rating C <sub>0</sub>	9.8 kN
Fatigue load limit P <sub>u</sub>	0.415 kN
Attainable speed for grease lubrication	16000 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>	80 N
Static axial stiffness, preload	105 N/ μ m



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class A	
Preload class B $G_B$	160 N
Static axial stiffness, preload class B	137 N/ $\mu$ m
Preload class C $G_C$	320 N
Static axial stiffness, preload class C	180 N/ $\mu$ m
Preload class D $G_D$	640 N
Static axial stiffness, preload class D	240 N/ $\mu$ m
Calculation factor $f$	1.13
Calculation factor $f_1$	0.98
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.04
Calculation factor $f_{2C}$	1.08
Calculation factor $f_{2D}$	1.14
Calculation factor $f_{HC}$	1
Calculation factor $e$	0.68
Calculation factor (single, tandem) $Y_2$	0.87
Calculation factor (back-to-back, face-to-face) $Y_1$	0.92
Calculation factor (back-to-back, face-to-face) $Y_2$	1.41
Mass bearing	0.13 kg