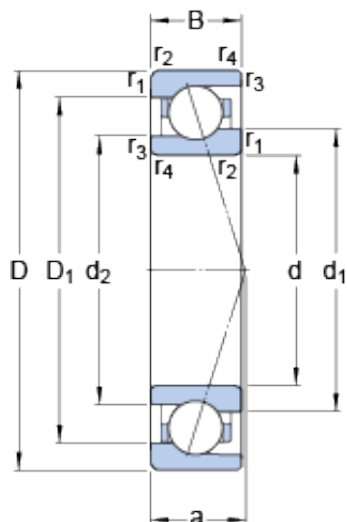




# UNF BRAINGS SALES JAPAN CO.,LTD.



50 mm x 72 mm x 12 mm SKF 71910  
CE/HCP4A Interchangeable with open TAC serie  
Precision Bearings

Bearing No. 71910 CE/HCP4A

71910 CE/HCP4A Bearing 2D drawings and 3D CAD models

Size	72x50x12 mm
Bore Diameter	72 mm
Outer Diameter	50 mm
Width	12 mm
d	50 mm
D	72 mm
B	12 mm
d <sub>1</sub>	56.7 mm
d <sub>2</sub>	54.9 mm
D <sub>1</sub>	65.3 mm
r <sub>1,2</sub> - min.	0.6 mm
r <sub>3,4</sub> - min.	0.3 mm
a	14.7 mm
d <sub>a</sub> - min.	53.2 mm
d <sub>b</sub> - min.	52 mm
D <sub>a</sub> - max.	68.8 mm
D <sub>b</sub> - max.	70 mm
r <sub>a</sub> - max.	0.6 mm
r <sub>b</sub> - max.	0.3 mm
d <sub>n</sub>	58.4 mm
Basic dynamic load rating - C	12.7 kN
Basic static load rating - C <sub>0</sub>	8.6 kN
Fatigue load limit - P <sub>u</sub>	0.365 kN



## UNF BRAINGS SALES JAPAN CO.,LTD.

Limiting speed for grease lubrication	32000 r/min
Limiting speed for oil lubrication	48000 mm/min
Ball - $D_w$	7.144 mm
Ball - z	21
$G_{ref}$	1.7 cm <sup>3</sup>
Calculation factor - $f_0$	8.4
Preload class A - $G_A$	69 N
Preload class B - $G_B$	210 N
Preload class C - $G_C$	410 N
Calculation factor - f	1.15
Calculation factor - f	1
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.05
Calculation factor - $f_{2C}$	1.09
Calculation factor - $f_{HC}$	1.01
Preload class A	42 N/micron
Preload class B	68 N/micron
Preload class C	92 N/micron
$d_1$	56.7 mm
$d_2$	54.9 mm
$D_1$	65.3 mm
$r_{1,2}$ min.	0.6 mm
$r_{3,4}$ min.	0.3 mm
$d_a$ min.	53.2 mm
$d_b$ min.	52 mm
$D_a$ max.	68.8 mm
$D_b$ max.	70 mm
$r_a$ max.	0.6 mm
$r_b$ max.	0.3 mm



## UNF BRAINGS SALES JAPAN CO.,LTD.

$d_n$	58.4 mm
Basic dynamic load rating C	12.7 kN
Basic static load rating $C_0$	8.65 kN
Fatigue load limit $P_u$	0.365 kN
Attainable speed for grease lubrication	32000 r/min
Attainable speed for oil-air lubrication	48000 r/min
Ball diameter $D_w$	7.144 mm
Number of balls z	21
Reference grease quantity $G_{ref}$	1.7 cm <sup>3</sup>
Preload class A $G_A$	69 N
Static axial stiffness, preload class A	42 N/ $\mu$ m
Preload class B $G_B$	210 N
Static axial stiffness, preload class B	68 N/ $\mu$ m
Preload class C $G_C$	410 N
Static axial stiffness, preload class C	92 N/ $\mu$ m
Calculation factor f	1.15
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.05
Calculation factor $f_{2C}$	1.09
Calculation factor $f_{HC}$	1.01
Calculation factor $f_0$	8.4
Mass bearing	0.11 kg