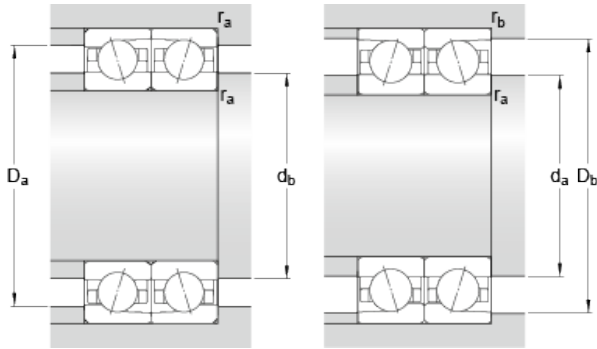




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## SKF 71908 CDTP/HCP4B Angular Contact Ball Bearings, Super-Precision

Bearing No. 71908 CDTP/HCP4B

71908 CDTP/HCP4B Bearing 2D drawings and 3D CAD models

d	40 mm
D	62 mm
B	12 mm
d <sub>1</sub>	47.1 mm
d <sub>2</sub>	47.1 mm
D <sub>1</sub>	54.9 mm
r <sub>1,2</sub> min.	0.6 mm
r <sub>3,4</sub> min.	0.3 mm
a	12.9 mm
d <sub>a</sub> min.	43.2 mm
d <sub>b</sub> min.	43.2 mm
D <sub>a</sub> max.	58.8 mm
D <sub>b</sub> max.	60.6 mm
r <sub>a</sub> max.	0.6 mm
r <sub>b</sub> max.	0.3 mm
Basic dynamic load rating C	12.4 kN
Basic static load rating C <sub>0</sub>	8.5 kN
Fatigue load limit P <sub>u</sub>	0.36 kN
Attainable speed for grease lubrication	28000 r/min
Ball diameter D <sub>w</sub>	6.35 mm
Number of balls z	21
Reference grease quantity G <sub>ref</sub>	1.44 cm <sup>3</sup>
Preload class A G <sub>A</sub>	45 N
Static axial stiffness, preload	40 N/μm



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class A	
Preload class B $G_B$	90 N
Static axial stiffness, preload class B	54 N/ $\mu$ m
Preload class C $G_C$	180 N
Static axial stiffness, preload class C	73 N/ $\mu$ m
Preload class D $G_D$	360 N
Static axial stiffness, preload class D	103 N/ $\mu$ m
Calculation factor $f$	1.09
Calculation factor $f_1$	1
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.07
Calculation factor $f_{2C}$	1.12
Calculation factor $f_{2D}$	1.18
Calculation factor $f_{HC}$	1.04
Calculation factor $f_0$	10.4
Mass bearing	0.1 kg