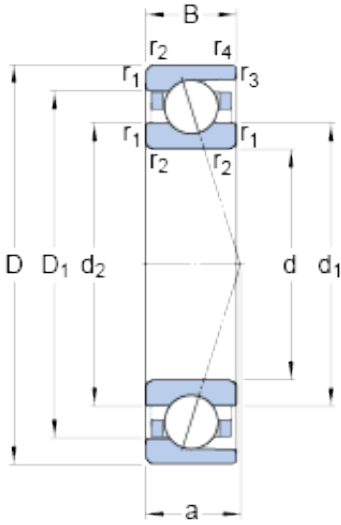




# MNT BEARING LTD



## 40 mm x 52 mm x 7 mm SKF 71808 ACD/P4 Angular contact ball bearing

Bearing No. 71808 ACD/P4

71808 ACD/P4 Bearing 2D drawings and 3D CAD models

Size	52x40x7 mm
Bore Diameter	52 mm
Outer Diameter	40 mm
Width	7 mm
d	40 mm
D	52 mm
B	7 mm
d <sub>1</sub>	44.1 mm
d <sub>2</sub>	44.1 mm
D <sub>1</sub>	48.1 mm
r <sub>1,2</sub> - min.	0.3 mm
r <sub>3,4</sub> - min.	0.15 mm
a	14.3 mm
d <sub>a</sub> - min.	42 mm
d <sub>b</sub> - min.	42 mm
D <sub>a</sub> - max.	50 mm
D <sub>b</sub> - max.	51.2 mm
r <sub>a</sub> - max.	0.3 mm
r <sub>b</sub> - max.	0.15 mm
d <sub>n</sub>	44.5 mm
Basic dynamic load rating - C	4.5 kN
Basic static load rating - C <sub>0</sub>	4.6 kN
Fatigue load limit - P <sub>u</sub>	0.196 kN
Limiting speed for grease	22000 r/min



## MNT BEARING LTD

Lubrication	
Limiting speed for oil lubrication	34000 mm/min
Ball - $D_w$	3.175 mm
Ball - $z$	29
$G_{ref}$	0.31 cm <sup>3</sup>
Calculation factor - $e$	0.68
Calculation factor - $Y_2$	0.87
Calculation factor - $Y_0$	0.38
Calculation factor - $X_2$	0.41
Calculation factor - $Y_1$	0.92
Calculation factor - $Y_2$	1.41
Calculation factor - $Y_0$	0.76
Calculation factor - $X_2$	0.67
Preload class A - $G_A$	40 N
Preload class B - $G_B$	120 N
Preload class C - $G_C$	240 N
Calculation factor - $f$	1.23
Calculation factor - $f_1$	0.97
Calculation factor - $f_{2A}$	1
Calculation factor - $f_{2B}$	1.08
Calculation factor - $f_{2C}$	1.15
Calculation factor - $f_{HC}$	1
Preload class A	83 N/micron
Preload class B	130 N/micron
Preload class C	178 N/micron
$d_1$	44.1 mm
$d_2$	44.1 mm
$D_1$	48.1 mm
$r_{1,2}$ min.	0.3 mm



## MNT BEARING LTD

$r_{3,4}$ min.	0.15 mm
$d_a$ min.	42 mm
$d_b$ min.	42 mm
$D_a$ max.	50 mm
$D_b$ max.	51.2 mm
$r_a$ max.	0.3 mm
$r_b$ max.	0.15 mm
$d_n$	44.5 mm
Basic dynamic load rating C	4.49 kN
Basic static load rating $C_0$	4.55 kN
Fatigue load limit $P_u$	0.196 kN
Attainable speed for grease lubrication	22000 r/min
Attainable speed for oil-air lubrication	34000 r/min
Ball diameter $D_w$	3.175 mm
Number of balls z	29
Reference grease quantity $G_{ref}$	0.31 cm <sup>3</sup>
Preload class A $G_A$	40 N
Static axial stiffness, preload class A	83 N/ $\mu$ m
Preload class B $G_B$	120 N
Static axial stiffness, preload class B	130 N/ $\mu$ m
Preload class C $G_C$	240 N
Static axial stiffness, preload class C	178 N/ $\mu$ m
Calculation factor f	1.23
Calculation factor $f_1$	0.97
Calculation factor $f_{2A}$	1
Calculation factor $f_{2B}$	1.08
Calculation factor $f_{2C}$	1.15
Calculation factor $f_{HC}$	1



## MNT BEARING LTD

Calculation factor e	0.68
Calculation factor (single, tandem) $Y_2$	0.87
Calculation factor (single, tandem) $Y_0$	0.38
Calculation factor (single, tandem) $X_2$	0.41
Calculation factor (back-to-back, face-to-face) $Y_1$	0.92
Calculation factor (back-to-back, face-to-face) $Y_2$	1.41
Calculation factor (back-to-back, face-to-face) $Y_0$	0.76
Calculation factor (back-to-back, face-to-face) $X_2$	0.67
Mass bearing	0.031 kg