



Bearing No. 71808 CD/P4

a	9.7 mm
d	40 mm
D	52 mm
B	7 mm
C	7 mm
dh	44,5 mm
D2	- mm
d1	44,1 mm
d2	44,1 mm
D1	48,1 mm
Db max	51,2 mm
db min	42 mm
Weight	0,031 Kg
rb max.	0,15 mm
ra max.	0,3 mm
Da max.	50 mm
r3 min.	0,15 mm
da min.	42 mm
r4 min.	0,15 mm
r2 min.	0,3 mm
r1 min.	0,3 mm
Size (mm)	40x52x7
Width (mm)	7
Mass bearing	0.031 kg
d ₁	44.1 mm
d _n	44.5 mm
d ₂	44.1 mm
D ₁	48.1 mm
Bearing number	71808 CD/P4
Number of balls z	29

Bore Diameter (mm)	40
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
Outer Diameter (mm)	52
Calculation factor f	1.23
$r_{1,2}$ min.	0.3 mm
$r_{3,4}$ min.	0.15 mm
Fatigue load limit (Pu)	0,208
(Oil) Lubrication Speed	38 000 r/min
(Grease) Lubrication Speed	26 000 r/min
Basic dynamic load rating C	4.88 kN
Ball diameter D_w	3.175 mm
Basic dynamic load rating (C)	4,88 kN
Basic static load rating (C0)	4,9 kN
Preload class A G_A	26 N
Preload class B G_B	78 N
Preload class C G_C	155 N
Fatigue load limit P_u	0.208 kN
Calculation factor f_0	17.2
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{HC}	1
Calculation factor f_{2C}	1.16
Calculation factor f_{2B}	1.09
Basic static load rating C_0	4.9 kN

Static axial stiffness, preload class B	61 N/ μ m
Static axial stiffness, preload class C	90 N/ μ m
Static axial stiffness, preload class A	36 N/ μ m
Attainable speed for grease lubrication	26000 r/min
Attainable speed for oil-air lubrication	38000 r/min
Reference grease quantity G_{ref}	0.31 cm ³