

FYH UCHA209 bearing units

Question FYH UCHA209 bearing units ? Find what you need faster by entering 52x40x7 Size (mm) your information .

Size (mm)	52x40x7
Bore Diameter (mm)	52
Outer Diameter (mm)	40
Width (mm)	7
d	40 mm
D	52 mm
B	7 mm
d1	44.1 mm
d2	44.1 mm
D1	48.1 mm
r1,2 – min.	0.3 mm
r3,4 – min.	0.15 mm
a	9.7 mm
da – min.	42 mm
db – min.	42 mm
Da – max.	50 mm
Db – max.	51.2 mm
ra – max.	0.3 mm
rb – max.	0.15 mm
dn	44.5 mm
Basic dynamic load rating – C	4.9 kN
Basic static load rating – C0	4.9 kN
Fatigue load limit – Pu	0.208 kN
Limiting speed for grease lubrication	30000 r/min

Limiting speed for oil lubrication	45000 mm/min
Ball – Dw	3.175 mm
Ball – z	29
Gref	0.31 cm ³
Calculation factor – f ₀	17.2
Preload class A – GA	26 N
Preload class B – GB	78 N
Preload class C – GC	155 N
Calculation factor – f	1
Calculation factor – f _{2A}	1
Calculation factor – f _{2B}	1.1
Calculation factor – f _{2C}	1.18
Calculation factor – f _{HC}	1.02
Preload class A	40 N/micron
Preload class B	68 N/micron
Preload class C	100 N/micron
r _{1,2} min.	0.3 mm
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
Basic dynamic load rating C	4.88 kN
Basic static load rating C ₀	4.9 kN
Fatigue load limit P _u	0.208 kN
Attainable speed for grease lubrication	30000 r/min
Attainable speed for oil-air lubrication	45000 r/min

Ball diameter D_w	3.175 mm
Number of balls z	29
Reference grease quantity G_{ref}	0.31 cm ³
Preload class A G_A	26 N
Static axial stiffness, preload class A	40 N/ μ m
Preload class B G_B	78 N
Static axial stiffness, preload class B	68 N/ μ m
Preload class C G_C	155 N
Static axial stiffness, preload class C	100 N/ μ m
Calculation factor f	1.23
Calculation factor f_1	1
Calculation factor f_{2A}	1
Calculation factor f_{2B}	1.1
Calculation factor f_{2C}	1.18
Calculation factor f_{HC}	1.02
Calculation factor f_0	17.2
Mass bearing	0.029 kg