

# 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 <sup>3</sup>
Calculation factor – f <sub>0</sub>	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 <sub>2A</sub>	1
Calculation factor – f <sub>2B</sub>	1.1
Calculation factor – f <sub>2C</sub>	1.18
Calculation factor – f <sub>HC</sub>	1.02
Preload class A	40 N/micron
Preload class B	68 N/micron
Preload class C	100 N/micron
r <sub>1,2</sub> min.	0.3 mm
r <sub>3,4</sub> min.	0.15 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
Basic dynamic load rating C	4.88 kN
Basic static load rating C <sub>0</sub>	4.9 kN
Fatigue load limit P <sub>u</sub>	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 <sup>3</sup>
Preload class A $G_A$	26 N
Static axial stiffness, preload class A	40 N/ $\mu$ m
Preload class B $G_B$	78 N
Static axial stiffness, preload class B	68 N/ $\mu$ m
Preload class C $G_C$	155 N
Static axial stiffness, preload class C	100 N/ $\mu$ 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