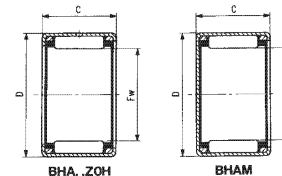


SHELL TYPE  
NEEDLE ROLLER BEARINGS

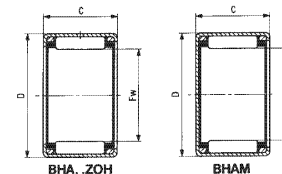
Inch Dimension



DIMENSION TABLE

| IKO NUMBER<br>OPEN END<br>BHA..ZOH | WEIGHT<br>(g) | IKO NUMBER<br>CLOSED END<br>BHAM | WEIGHT<br>(g) | DIMENSIONS      |        |                 |        |                |       | BASIC<br>DYNAMIC<br>LOAD RATING<br>(N) | BASIC<br>STATIC<br>LOAD RATING<br>(N) | USABLE<br>INNER RING<br>IRB | TORRINGTON     |                   | INA             |                   |
|------------------------------------|---------------|----------------------------------|---------------|-----------------|--------|-----------------|--------|----------------|-------|----------------------------------------|---------------------------------------|-----------------------------|----------------|-------------------|-----------------|-------------------|
|                                    |               |                                  |               | Fw              |        | D               |        | C              |       |                                        |                                       |                             | OPEN END<br>JH | CLOSED END<br>MJH | OPEN END<br>SCH | CLOSED END<br>BCH |
|                                    |               |                                  |               | inch            | mm     | inch            | mm     | inch           | mm    |                                        |                                       |                             |                |                   |                 |                   |
| BHA 57 ZOH                         | 6.3           | BHAM 57                          | 6.6           | $\frac{5}{16}$  | 7.938  | $\frac{9}{16}$  | 14.288 | $\frac{7}{16}$ | 11.13 | 4150                                   | 3730                                  | —                           | JH-57          | MJH-571           | SCH 57          | BCH 57            |
| BHA 68 ZOH                         | 8.2           | BHAM 68                          | 8.6           | $\frac{3}{8}$   | 9.525  | $\frac{5}{8}$   | 15.875 | $\frac{1}{2}$  | 12.70 | 4880                                   | 4740                                  | —                           | JH-68          | MJH-681           | SCH 68          | BCH 68            |
| BHA 78 ZOH                         | 9.3           | BHAM 78                          | 10            | $\frac{7}{16}$  | 11.112 | $\frac{1}{2}$   | 17.462 | $\frac{1}{2}$  | 12.70 | 5680                                   | 5970                                  | —                           | JH-78          | MJH-781           | SCH 78          | BCH 78            |
| BHA 87 ZOH                         | 9.1           | BHAM 87                          | 9.9           | $\frac{1}{2}$   | 12.700 | $\frac{3}{4}$   | 19.050 | $\frac{7}{16}$ | 11.13 | 5670                                   | 6120                                  | —                           | JH-87          | MJH-871           | SCH 87          | BCH 87            |
| BHA 88 ZOH                         | 10.4          | BHAM 88                          | 11.3          | $\frac{1}{2}$   | 12.700 | $\frac{3}{4}$   | 19.050 | $\frac{1}{2}$  | 12.70 | 6040                                   | 6650                                  | IRB 58                      | JH-88          | MJH-881           | SCH 88          | BCH 88            |
| BHA 810 ZOH                        | 12.5          | BHAM 810                         | 13.3          | $\frac{1}{2}$   | 12.700 | $\frac{3}{4}$   | 19.050 | $\frac{5}{8}$  | 15.88 | 8830                                   | 10900                                 | —                           | —              | —                 | SCH 810         | BCH 810           |
| BHA 812 ZOH                        | 15            | BHAM 812                         | 15.8          | $\frac{1}{2}$   | 12.700 | $\frac{3}{4}$   | 19.050 | $\frac{3}{4}$  | 19.05 | 11100                                  | 14500                                 | —                           | JH-812         | MJH-8121          | SCH 812         | BCH 812           |
| BHA 98 ZOH                         | 11.4          | BHAM 98                          | 12.5          | $\frac{9}{16}$  | 14.288 | $\frac{5}{8}$   | 20.638 | $\frac{1}{2}$  | 12.70 | 6380                                   | 7330                                  | IRB 68                      | JH-98          | MJH-981           | SCH 98          | BCH 98            |
| BHA 910 ZOH                        | 13.6          | BHAM 910                         | 14.7          | $\frac{9}{16}$  | 14.288 | $\frac{5}{8}$   | 20.638 | $\frac{5}{8}$  | 15.88 | 9280                                   | 11900                                 | —                           | —              | —                 | —               | —                 |
| BHA 912 ZOH                        | 16.3          | BHAM 912                         | 17.4          | $\frac{9}{16}$  | 14.288 | $\frac{5}{8}$   | 20.638 | $\frac{3}{4}$  | 19.05 | 11600                                  | 15900                                 | IRB 612                     | JH-912         | MJH-9121          | SCH 912         | BCH 912           |
| BHA 108 ZOH                        | 12.6          | BHAM 108                         | 13.9          | $\frac{5}{8}$   | 15.875 | $\frac{7}{8}$   | 22.225 | $\frac{1}{2}$  | 12.70 | 6680                                   | 8020                                  | IRB 68-1                    | —              | —                 | SCH 108         | BCH 108           |
| BHA 1010 ZOH                       | 14.9          | BHAM 1010                        | 16.2          | $\frac{5}{8}$   | 15.875 | $\frac{7}{8}$   | 22.225 | $\frac{5}{8}$  | 15.88 | 10200                                  | 13800                                 | —                           | JH-1010        | MJH-10101         | SCH 1010        | BCH 1010          |
| BHA 1012 ZOH                       | 18            | BHAM 1012                        | 19.3          | $\frac{5}{8}$   | 15.875 | $\frac{7}{8}$   | 22.225 | $\frac{3}{4}$  | 19.05 | 12700                                  | 18500                                 | IRB 612-1                   | —              | —                 | SCH 1012        | BCH 1012          |
| BHA 1016 ZOH                       | 24            | BHAM 1016                        | 25            | $\frac{5}{8}$   | 15.875 | $\frac{7}{8}$   | 22.225 | 1              | 25.40 | 17400                                  | 27600                                 | IRB 716                     | JH-1016        | MJH-10161         | SCH 1016        | BCH 1016          |
| BHA 117 ZOH                        | 11.9          | BHAM 117                         | 13.5          | $\frac{1}{16}$  | 17.462 | $\frac{1}{16}$  | 23.812 | $\frac{7}{16}$ | 11.13 | 6860                                   | 8530                                  | —                           | —              | —                 | SCH 117         | BCH 117           |
| BHA 118 ZOH                        | 13.7          | BHAM 118                         | 15.3          | $\frac{1}{16}$  | 17.462 | $\frac{1}{16}$  | 23.812 | $\frac{1}{2}$  | 12.70 | 7320                                   | 9270                                  | IRB 88                      | —              | —                 | —               | —                 |
| BHA 1110 ZOH                       | 16            | BHAM 1110                        | 17.6          | $\frac{1}{16}$  | 17.462 | $\frac{1}{16}$  | 23.812 | $\frac{5}{8}$  | 15.88 | 10500                                  | 14900                                 | —                           | JH-1110        | MJH-11101         | SCH 1110        | BCH 1110          |
| BHA 1112 ZOH                       | 19.3          | BHAM 1112                        | 21            | $\frac{1}{16}$  | 17.462 | $\frac{1}{16}$  | 23.812 | $\frac{3}{4}$  | 19.05 | 13200                                  | 19900                                 | IRB 812                     | JH-1112        | MJH-11121         | SCH 1112        | BCH 1112          |
| BHA 1212 ZOH                       | 26.5          | BHAM 1212                        | 28.5          | $\frac{3}{4}$   | 19.050 | $1\frac{1}{16}$ | 26.988 | $\frac{3}{4}$  | 19.05 | 16600                                  | 22600                                 | IRB 812-1                   | JH-1212        | MJH-12121         | SCH 1212        | BCH 1212          |
| BHA 138 ZOH                        | 20            | BHAM 138                         | 22.5          | $\frac{13}{16}$ | 20.638 | $1\frac{1}{8}$  | 28.575 | $\frac{1}{2}$  | 12.70 | 9500                                   | 11200                                 | IRB 98                      | —              | —                 | —               | —                 |
| BHA 1310 ZOH                       | 23.5          | BHAM 1310                        | 25.5          | $\frac{13}{16}$ | 20.638 | $1\frac{1}{8}$  | 28.575 | $\frac{5}{8}$  | 15.88 | 13800                                  | 18200                                 | IRB 910                     | —              | —                 | —               | —                 |
| BHA 1312 ZOH                       | 28.5          | BHAM 1312                        | 30.5          | $\frac{13}{16}$ | 20.638 | $1\frac{1}{8}$  | 28.575 | $\frac{3}{4}$  | 19.05 | 17300                                  | 24400                                 | IRB 912                     | JH-1312        | MJH-13121         | SCH 1312        | BCH 1312          |
| BHA 1410 ZOH                       | 25            | BHAM 1410                        | 27.5          | $\frac{7}{8}$   | 22.225 | $1\frac{3}{16}$ | 30.162 | $\frac{5}{8}$  | 15.88 | 14300                                  | 19500                                 | —                           | —              | —                 | SCH 1410        | BCH 1410          |
| BHA 1412 ZOH                       | 30            | BHAM 1412                        | 32.5          | $\frac{7}{8}$   | 22.225 | $1\frac{3}{16}$ | 30.162 | $\frac{3}{4}$  | 19.05 | 18000                                  | 26100                                 | IRB 1012                    | JH-1412        | MJH-14121         | SCH 1412        | BCH 1412          |
| BHA 1416 ZOH                       | 39.5          | BHAM 1416                        | 42            | $\frac{7}{8}$   | 22.225 | $1\frac{3}{16}$ | 30.162 | 1              | 25.40 | 23600                                  | 36900                                 | IRB 1016                    | JH-1416        | MJH-14161         | SCH 1416        | BCH 1416          |
| BHA 168 ZOH                        | 24            | BHAM 168                         | 27            | 1               | 25.400 | $1\frac{5}{16}$ | 33.338 | $\frac{1}{2}$  | 12.70 | 10200                                  | 13100                                 | IRB 128                     | —              | —                 | SCH 168         | BCH 168           |
| BHA 1610 ZOH                       | 28            | BHAM 1610                        | 31            | 1               | 25.400 | $1\frac{5}{16}$ | 33.338 | $\frac{5}{8}$  | 15.88 | 15300                                  | 22100                                 | —                           | —              | —                 | SCH 1610        | BCH 1610          |
| BHA 1612 ZOH                       | 33.5          | BHAM 1612                        | 37            | 1               | 25.400 | $1\frac{5}{16}$ | 33.338 | $\frac{3}{4}$  | 19.05 | 19300                                  | 29700                                 | IRB 1212                    | JH-1612        | MJH-16121         | SCH 1612        | BCH 1612          |
| BHA 1614 ZOH                       | 39.5          | BHAM 1614                        | 42.5          | 1               | 25.400 | $1\frac{5}{16}$ | 33.338 | $\frac{7}{8}$  | 22.22 | 23000                                  | 37200                                 | IRB 1214                    | —              | —                 | —               | —                 |
| BHA 1616 ZOH                       | 45            | BHAM 1616                        | 48            | 1               | 25.400 | $1\frac{5}{16}$ | 33.338 | 1              | 25.40 | 26400                                  | 44500                                 | IRB 1216                    | JH-1616        | MJH-16161         | SCH 1616        | BCH 1616          |
| BHA 1620 ZOH                       | 56.5          | BHAM 1620                        | 59.5          | 1               | 25.400 | $1\frac{5}{16}$ | 33.338 | $1\frac{1}{4}$ | 31.75 | 33200                                  | 59600                                 | IRB 1220                    | —              | —                 | SCH 1620        | BCH 1620          |
| BHA 1624 ZOH                       | 67.5          | BHAM 1624                        | 71            | 1               | 25.400 | $1\frac{5}{16}$ | 33.338 | $1\frac{1}{2}$ | 38.10 | 39400                                  | 74400                                 | —                           | —              | —                 | SCH 1624        | BCH 1624          |
| BHA 1812 ZOH                       | 45            | BHAM 1812                        | 49            | $1\frac{1}{8}$  | 28.575 | $1\frac{1}{2}$  | 38.100 | $\frac{3}{4}$  | 19.05 | 22500                                  | 32200                                 | IRB 1412                    | JH-1812        | MJH-18121         | SCH 1812        | BCH 1812          |
| BHA 1816 ZOH                       | 60            | BHAM 1816                        | 64            | $1\frac{1}{8}$  | 28.575 | $1\frac{1}{2}$  | 38.100 | 1              | 25.40 | 30900                                  | 48600                                 | IRB 1416                    | JH-1816        | MJH-18161         | SCH 1816        | BCH 1816          |
| BHA 1818 ZOH                       | 67.5          | BHAM 1818                        | 71.5          | $1\frac{1}{8}$  | 28.575 | $1\frac{1}{2}$  | 38.100 | $1\frac{1}{8}$ | 28.58 | 34900                                  | 56600                                 | —                           | JH-1818        | MJH-18181         | SCH 1818        | BCH 1818          |
| BHA 1820 ZOH                       | 73.5          | BHAM 1820                        | 78            | $1\frac{1}{8}$  | 28.575 | $1\frac{1}{2}$  | 38.100 | $1\frac{1}{4}$ | 31.75 | 37100                                  | 61100                                 | IRB 1420                    | —              | —                 | SCH 1820        | BCH 1820          |
| BHA 208 ZOH                        | 34.5          | BHAM 208                         | 40            | $1\frac{1}{4}$  | 31.750 | $1\frac{1}{8}$  | 41.275 | $\frac{1}{2}$  | 12.70 | 13700                                  | 17600                                 | IRB 168                     | —              | —                 | SCH 208         | BCH 208           |
| BHA 2012 ZOH                       | 49.5          | BHAM 2012                        | 54.5          | $1\frac{1}{4}$  | 31.750 | $1\frac{1}{8}$  | 41.275 | $\frac{3}{4}$  | 19.05 | 24100                                  | 36400                                 | IRB 1612                    | JH-2012        | —                 | SCH 2012        | BCH 2012          |
| BHA 2016 ZOH                       | 66            | BHAM 2016                        | 71            | $1\frac{1}{4}$  | 31.750 | $1\frac{1}{8}$  | 41.275 | 1              | 25.40 | 33200                                  | 55000                                 | IRB 1616                    | JH-2016        | MJH-20161         | SCH 2016        | BCH 2016          |
| BHA 2020 ZOH                       | 81.5          | BHAM 2020                        | 86.5          | $1\frac{1}{4}$  | 31.750 | $1\frac{1}{8}$  | 41.275 | $1\frac{1}{4}$ | 31.75 | 40000                                  | 69600                                 | IRB 1620                    | JH-2020        | —                 | SCH 2020        | BCH 2020          |

## Inch Dimension



### INTERCHANGE TABLE

[illegible]