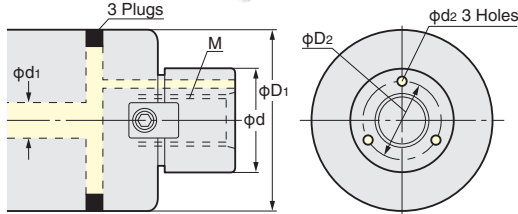
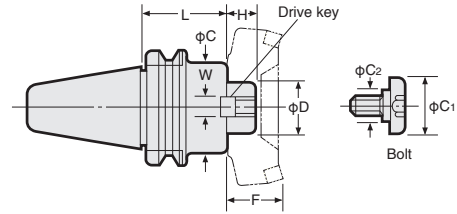


# 2LOCK FMH FACE MILL ARBOR

**NIKKEN**



■ For Oil Hole Cutter  
■ For High Feed Cutter



| Code No.              | Cutter Dia.          | φd         | φD1      | M        | Coolant Hole |       |     |
|-----------------------|----------------------|------------|----------|----------|--------------|-------|-----|
|                       |                      |            |          |          | φD2          | φd1   | φd2 |
| <b>FMH22 (22.225)</b> | φ50, φ52<br>φ63, φ66 | 22(22.225) | 47<br>60 | M10×1.5  | 16           | 6~8   | 3   |
| <b>FMH27 (25.4)</b>   | φ80                  | 27(25.4)   | 76(70)   | M12×1.75 | 19.5(18.5)   | 8~10  | 3.5 |
| <b>FMH32 (31.75)</b>  | φ100                 | 32(31.75)  | 96       | M16×2.0  | 24           | 10~13 | 4   |
| <b>FMH40 (38.1)</b>   | φ125                 | 40(38.1)   | 100      | M20×2.5  | 30(29)       | 10~15 | 5   |
| <b>FMH50.8</b>        | φ160                 | 50.8       | 100      | M24×3.0  | 37.5         | 15~20 | 7   |

★ Fixing dimension is basically based on FMA/FMC. ★ The combination of the other cutter dia. are also available.

## FMH Inch Series

| TAPER | Code No.                 | Arbor  |     |    |     |    |      | Drive Key | Lock Bolt | G Cap Bolt | Weight (kg) |
|-------|--------------------------|--------|-----|----|-----|----|------|-----------|-----------|------------|-------------|
|       |                          | D      | L   | H  | C   | C1 | W    |           |           |            |             |
| No.40 | NBT40-FMH22.225- 47 - 45 | 22.225 | 45  | 17 | 47  | 28 | 8    | FW 3      | FM10      | —          | 1.3         |
|       | (NIT40) - 60             |        | 60  |    |     |    |      |           |           |            | 1.5         |
|       | - 90                     |        | 90  |    |     |    |      |           |           |            | 1.9         |
|       | -150                     |        | 150 |    |     |    |      |           |           |            | 2.7         |
|       | -FMH22.225- 60 - 45      | 22.225 | 45  | 17 | 60  | 28 | 8    | FW 3      | FM10      | —          | 1.5         |
|       | - 60                     |        | 60  |    |     |    |      |           |           |            | 1.8         |
|       | - 90                     |        | 90  |    |     |    |      |           |           |            | 2.5         |
|       | -105                     |        | 105 |    |     |    |      |           |           |            | 2.0         |
|       | -FMH25.4 - 70 - 60       | 25.4   | 60  | 22 | 70  | 33 | 9.5  | FW 5      | FM12      | —          | 2.7         |
|       | - 90                     |        | 90  |    |     |    |      |           |           |            | 3.1         |
|       | -105                     |        | 105 |    |     |    |      |           |           |            | 2.2         |
|       | -FMH31.75 - 76 - 60      | 31.75  | 60  | 30 | 76  | 40 | 12.7 | FW13      | FM16      | —          | 2.9         |
|       | - 90                     |        | 90  |    |     |    |      |           |           |            | 2.5         |
|       | -FMH31.75 - 96 - 60      |        | 60  |    | 96  | 40 | 12.7 | FW13      | FM16      | —          | 4.1         |
| No.50 | NBT50-FMH22.225- 47 - 60 | 22.225 | 60  | 17 | 47  | 28 | 8    | FW 3      | FM10      | —          | 4.7         |
|       | (NIT50) -105             |        | 105 |    |     |    |      |           |           |            | 5.3         |
|       | -150                     |        | 150 |    |     |    |      |           |           |            | 6.0         |
|       | -200                     |        | 200 |    |     |    |      |           |           |            | 6.6         |
|       | -250                     |        | 250 |    |     |    |      |           |           |            | 7.7         |
|       | -300                     |        | 300 |    |     |    |      |           |           |            | 8.9         |
|       | -350                     |        | 350 |    |     |    |      |           |           |            | 4.2         |
|       | -FMH22.225- 60 - 60      | 22.225 | 60  | 17 | 60  | 28 | 8    | FW 3      | FM10      | —          | 5.2         |
|       | -105                     |        | 105 |    |     |    |      |           |           |            | 6.2         |
|       | -150                     |        | 150 |    |     |    |      |           |           |            | 7.4         |
|       | -200                     |        | 200 |    |     |    |      |           |           |            | 8.5         |
|       | -250                     |        | 250 |    |     |    |      |           |           |            | 9.6         |
|       | -300                     |        | 300 |    |     |    |      |           |           |            | 10.6        |
|       | -350                     |        | 350 |    |     |    |      |           |           |            | 4.0         |
|       | -FMH25.4 - 70 - 45       | 25.4   | 45  | 22 | 70  | 33 | 9.5  | FW 5      | FM12      | —          | 4.5         |
|       | - 60                     |        | 60  |    |     |    |      |           |           |            | 5.4         |
|       | - 90                     |        | 90  |    |     |    |      |           |           |            | 7.2         |
|       | -150                     |        | 150 |    |     |    |      |           |           |            | 8.7         |
|       | -200                     |        | 200 |    |     |    |      |           |           |            | 10.3        |
|       | -250                     |        | 250 |    |     |    |      |           |           |            | 11.8        |
|       | -300                     |        | 300 |    |     |    |      |           |           |            | 4.1         |
|       | -FMH31.75 - 76 - 45      | 31.75  | 45  | 30 | 76  | 40 | 12.7 | FW12      | FM16      | —          | 5.2         |
|       | - 75                     |        | 75  |    |     |    |      |           |           |            | 6.3         |
|       | -105                     |        | 105 |    |     |    |      |           |           |            | 7.9         |
|       | -150                     |        | 150 |    |     |    |      |           |           |            | 9.7         |
|       | -200                     |        | 200 |    |     |    |      |           |           |            | 11.6        |
|       | -250                     |        | 250 |    |     |    |      |           |           |            | 13.4        |
|       | -300                     |        | 300 |    |     |    |      |           |           |            | 4.3         |
|       | -FMH31.75 - 96 - 45      | 31.75  | 45  | 30 | 96  | 40 | 12.7 | FW13      | FM16      | —          | 6.0         |
|       | - 75                     |        | 75  |    |     |    |      |           |           |            | 7.7         |
|       | -105                     |        | 105 |    |     |    |      |           |           |            | 10.3        |
|       | -150                     |        | 150 |    |     |    |      |           |           |            | 13.1        |
|       | -200                     |        | 200 |    |     |    |      |           |           |            | 16.4        |
|       | -250                     |        | 250 |    |     |    |      |           |           |            | 19.2        |
|       | -300                     |        | 300 |    |     |    |      |           |           |            | 4.4         |
|       | -FMH38.1 -100 - 45       | 38.1   | 45  | 34 | 100 | 50 | 15.9 | FW18      | FM20      | —          | 6.3         |
|       | - 75                     |        | 75  |    |     |    |      |           |           |            | 8.1         |
|       | -105                     |        | 105 |    |     |    |      |           |           |            | 10.9        |
|       | -150                     |        | 150 |    |     |    |      |           |           |            | 14.5        |
|       | -200                     |        | 200 |    |     |    |      |           |           |            | 17.5        |
|       | -250                     |        | 250 |    |     |    |      |           |           |            | 20.5        |
|       | -300                     |        | 300 |    |     |    |      |           |           |            | 4.4         |
|       | -FMH50.8 -100 - 45       | 50.8   | 45  | 36 | 100 | 65 | 19   | FW23      | FM24      | —          | 4.4         |

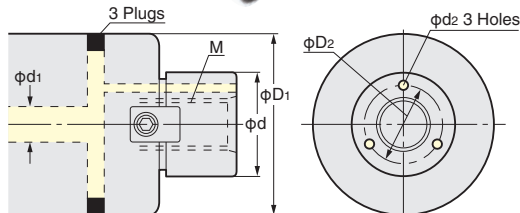
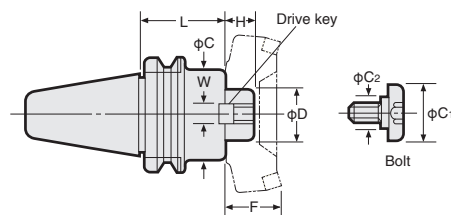
★ Drive keys, L-Wrench & Bolt are supplied as standard.  
★ Above weight is for Arbor only. (Not include Face Mill Cutter)

# 2LOCK FMH FACE MILL ARBOR

**NIKKEN**



■ For Oil Hole Cutter  
■ For High Feed Cutter



| Code No.              | Cutter Dia.                              | $\phi d$    | $\phi D_1$ | M        | Coolant Hole |            |            |
|-----------------------|------------------------------------------|-------------|------------|----------|--------------|------------|------------|
|                       |                                          |             |            |          | $\phi D_2$   | $\phi d_1$ | $\phi d_2$ |
| <b>FMH22 (22.225)</b> | $\phi 50, \phi 52$<br>$\phi 63, \phi 66$ | 22 (22.225) | 47<br>60   | M10×1.5  | 16           | 6~8        | 3          |
| <b>FMH27 (25.4)</b>   | $\phi 80$                                | 27 (25.4)   | 76 (70)    | M12×1.75 | 19.5 (18.5)  | 8~10       | 3.5        |
| <b>FMH32 (31.75)</b>  | $\phi 100$                               | 32 (31.75)  | 96         | M16×2.0  | 24           | 10~13      | 4          |
| <b>FMH40 (38.1)</b>   | $\phi 125$                               | 40 (38.1)   | 100        | M20×2.5  | 30 (29)      | 10~15      | 5          |
| <b>FMH50.8</b>        | $\phi 160$                               | 50.8        | 100        | M24×3.0  | 37.5         | 15~20      | 7          |

★ Fixing dimension is basically based on FMA/FMC. ★ The combination of the other cutter dia. are also available.

## FMH Metric Series

| TAPER        | Arbor                  |    |     |    |     |    |    | Drive Key | Lock Bolt | G Cap Bolt | Weight (kg) |
|--------------|------------------------|----|-----|----|-----|----|----|-----------|-----------|------------|-------------|
|              | Code No.               | D  | L   | H  | C   | C1 | W  |           |           |            |             |
| <b>No.30</b> | NBT30-FMH16- 37 - 35   | 16 | 35  | 17 | 37  | 20 | 8  | FW 3      | FM 8      | —          | 0.6         |
|              | -FMH22- 47 - 45        | 22 | 45  | 18 | 47  | 16 | 10 | FW 8      | —         | M10 × 30   | 0.8         |
|              | -FMH27- 60 - 45        | 27 | 45  | 20 | 60  | 18 | 12 | FW11      | —         | M12 × 35   | 1.0         |
| <b>No.40</b> | NBT40-FMH16- 37 - 40   | 16 | 40  | 17 | 37  | 20 | 8  | FW 3      | FM 8      | —          | 1.1         |
|              | (NIT40)-FMH22- 47 - 45 |    | 45  |    |     |    |    |           |           |            | 1.3         |
|              | - 60                   |    | 60  |    |     |    |    |           |           |            | 1.5         |
|              | - 90                   | 22 | 90  | 18 | 47  | 16 | 10 | FW 8      | —         | M10 × 30   | 1.9         |
|              | -150                   |    | 150 |    |     |    |    |           |           |            | 2.7         |
|              | -FMH22- 60 - 45        |    | 45  |    |     |    |    |           |           |            | 1.5         |
|              | - 60                   | 22 | 60  | 18 | 60  | 16 | 10 | FW 8      | —         | M10 × 30   | 1.8         |
|              | - 90                   |    | 90  |    |     |    |    |           |           |            | 2.5         |
|              | -FMH27- 60 - 45        |    | 45  |    |     |    |    |           |           |            | 1.5         |
|              | - 60                   | 27 | 60  | 20 | 60  | 18 | 12 | FW11      | —         | M12 × 35   | 1.8         |
|              | - 90                   |    | 90  |    |     |    |    |           |           |            | 2.5         |
|              | -FMH27- 76 - 60        |    | 60  |    |     |    |    |           |           |            | 2.1         |
|              | - 90                   | 27 | 90  | 20 | 76  | 18 | 12 | FW11      | —         | M12 × 35   | 2.8         |
|              | -FMH32- 96 - 60        | 32 | 60  | 22 | 96  | 24 | 14 | FW16      | —         | M16 × 35   | 2.4         |
| <b>No.50</b> | NBT50-FMH16- 37 - 60   |    | 60  |    |     |    |    |           |           |            | 3.8         |
|              | (NIT50)-105            | 16 | 105 | 17 | 37  | 20 | 8  | FW 3      | FM 8      | —          | 4.1         |
|              | -150                   |    | 150 |    |     |    |    |           |           |            | 4.5         |
|              | -200                   |    | 200 |    |     |    |    |           |           |            | 4.9         |
|              | -FMH22- 47 - 60        |    | 60  |    |     |    |    |           |           |            | 4.1         |
|              | -105                   |    | 105 |    |     |    |    |           |           |            | 4.7         |
|              | -150                   |    | 150 |    |     |    |    |           |           |            | 5.3         |
|              | -200                   | 22 | 200 | 18 | 47  | 16 | 10 | FW 8      | —         | M10 × 30   | 6.0         |
|              | -250                   |    | 250 |    |     |    |    |           |           |            | 6.7         |
|              | -300                   |    | 300 |    |     |    |    |           |           |            | 7.8         |
|              | -350                   |    | 350 |    |     |    |    |           |           |            | 8.9         |
|              | -FMH22- 60 - 60        |    | 60  |    |     |    |    |           |           |            | 4.2         |
|              | -105                   |    | 105 |    |     |    |    |           |           |            | 5.2         |
|              | -150                   |    | 150 |    |     |    |    |           |           |            | 6.3         |
|              | -200                   | 22 | 200 | 18 | 60  | 16 | 10 | FW 8      | —         | M10 × 30   | 7.4         |
|              | -250                   |    | 250 |    |     |    |    |           |           |            | 8.5         |
|              | -300                   |    | 300 |    |     |    |    |           |           |            | 9.6         |
|              | -350                   |    | 350 |    |     |    |    |           |           |            | 10.7        |
|              | -FMH27- 60 - 45        |    | 45  |    |     |    |    | 9FWE27    |           |            | 3.9         |
|              | - 90                   |    | 90  |    |     |    |    |           |           |            | 5.0         |
|              | -150                   |    | 150 |    |     |    |    |           |           |            | 6.3         |
|              | -200                   | 27 | 200 | 20 | 60  | 18 | 12 | FW11      | —         | M12 × 35   | 7.4         |
|              | -250                   |    | 250 |    |     |    |    |           |           |            | 8.5         |
|              | -300                   |    | 300 |    |     |    |    |           |           |            | 9.6         |
|              | -FMH27- 76 - 45        |    | 45  |    |     |    |    | FW10      |           |            | 4.0         |
|              | - 90                   |    | 90  |    |     |    |    |           |           |            | 5.6         |
|              | -150                   |    | 150 |    |     |    |    |           |           |            | 7.8         |
|              | -200                   | 27 | 200 | 20 | 76  | 18 | 12 | FW11      | —         | M12 × 35   | 9.7         |
|              | -250                   |    | 250 |    |     |    |    |           |           |            | 11.4        |
|              | -300                   |    | 300 |    |     |    |    |           |           |            | 13.2        |
|              | -FMH32- 96 - 45        |    | 60  |    |     |    |    | FW15      |           |            | 4.2         |
|              | - 90                   |    | 90  |    |     |    |    |           |           |            | 6.8         |
|              | -150                   |    | 150 |    |     |    |    |           |           |            | 10.2        |
|              | -200                   | 32 | 200 | 22 | 96  | 24 | 14 | FW16      | —         | M16 × 35   | 13.3        |
|              | -250                   |    | 250 |    |     |    |    |           |           |            | 16.1        |
|              | -300                   |    | 300 |    |     |    |    |           |           |            | 19.0        |
|              | -FMH40-100 - 45        |    | 45  |    |     |    |    | FW20      |           |            | 4.4         |
|              | - 75                   |    | 75  |    |     |    |    |           |           |            | 6.2         |
|              | -105                   | 40 | 105 | 26 | 100 | 50 | 16 | FW22      | FM20      | —          | 8.1         |

★ Drive keys, L-Wrench & Bolt are supplied as standard.  
★ Above weight is for Arbor only. (Not include Face Mill Cutter)