

# NC Machine Reamers

## 4&6 Flute Straight Shank Chucking Reamers

**MG**  
 Carbide

 Uncoated  
 Bright


Code No: R391-DC

### Work Material

| P | H | M | K | N | S |
|---|---|---|---|---|---|
| ○ | ● | ● | ● | ● | ● |

|          |       |
|----------|-------|
| <b>P</b> | Steel |
|----------|-------|

|          |                          |
|----------|--------------------------|
| <b>H</b> | <48HRC<br>Hardened Steel |
|----------|--------------------------|

|          |           |
|----------|-----------|
| <b>K</b> | Cast Iron |
|----------|-----------|

|          |           |
|----------|-----------|
| <b>N</b> | Aluminium |
|----------|-----------|

|          |        |
|----------|--------|
| <b>N</b> | Copper |
|----------|--------|

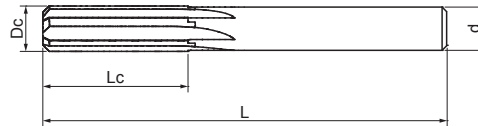
|          |          |
|----------|----------|
| <b>N</b> | Plastics |
|----------|----------|

#### Tolerance: DC

+0.0001/+0.0002: ≤1/4"(.2500)  
 +0.0001/+0.0003: >1/4"(.2500)

#### Feature of product:

Provide superior wear resistance.  
 Can withstand the highest cutting temperatures in low tensile and highly abrasive materials such as Bronze, Copper, Rubber, Aluminium, Cast Iron, and Steel...etc.



### Standard Length

| Dc<br>H7 | Dec.Equiv.<br>Inch | Lc<br>Inch | L<br>Inch | d<br>Inch | Z<br>teeth | Bright<br>R391 |
|----------|--------------------|------------|-----------|-----------|------------|----------------|
| 1/32     | 0.0313             | 1/4        | 1-1/2     | 0.0260    | 4          | ●              |
| 3/64     | 0.0469             | 3/8        | 1-1/2     | 0.0410    | 4          | ●              |
| 1/16     | 0.0625             | 3/8        | 1-1/2     | 0.0520    | 4          | ●              |
| 5/64     | 0.0781             | 1/2        | 1-3/4     | 0.0625    | 4          | ●              |
| 3/32     | 0.0938             | 1/2        | 2         | 0.0781    | 4          | ●              |
| 7/64     | 0.1094             | 5/8        | 2-1/4     | 0.0938    | 4          | ●              |
| 1/8      | 0.1250             | 5/8        | 2-1/4     | 0.1094    | 4          | ●              |
| 9/64     | 0.1406             | 3/4        | 2-1/2     | 0.1250    | 4          | ●              |
| 5/32     | 0.1562             | 3/4        | 2-1/2     | 0.1406    | 4          | ●              |
| 11/64    | 0.1719             | 7/8        | 2-3/4     | 0.1562    | 4          | ●              |
| 3/16     | 0.1875             | 7/8        | 2-3/4     | 0.1719    | 4          | ●              |
| 13/64    | 0.2031             | 1          | 3         | 0.1875    | 4          | ●              |
| 7/32     | 0.2188             | 1          | 3         | 0.1875    | 4          | ●              |
| 15/64    | 0.2344             | 1          | 3         | 0.2188    | 4          | ●              |
| 1/4      | 0.2500             | 1          | 3         | 0.2188    | 4          | ●              |
| 17/64    | 0.2656             | 1-1/8      | 3-1/4     | 0.2500    | 6          | ●              |
| 9/32     | 0.2812             | 1-1/8      | 3-1/4     | 0.2500    | 6          | ●              |
| 19/64    | 0.2969             | 1-1/8      | 3-1/4     | 0.2812    | 6          | ●              |
| 5/16     | 0.3125             | 1-1/8      | 3-1/4     | 0.2812    | 6          | ●              |
| 21/64    | 0.3281             | 1-1/4      | 3-1/2     | 0.3125    | 6          | ●              |
| 11/32    | 0.3438             | 1-1/4      | 3-1/2     | 0.3125    | 6          | ●              |
| 23/64    | 0.3594             | 1-1/4      | 3-1/2     | 0.3125    | 6          | ●              |
| 3/8      | 0.3750             | 1-1/4      | 3-1/2     | 0.3594    | 6          | ●              |
| 25/64    | 0.3906             | 1-1/4      | 3-1/2     | 0.3750    | 6          | ●              |
| 13/32    | 0.4062             | 1-1/4      | 3-1/2     | 0.3750    | 6          | ●              |
| 27/64    | 0.4219             | 1-3/8      | 4         | 0.3750    | 6          | ●              |
| 7/16     | 0.4375             | 1-3/8      | 4         | 0.3750    | 6          | ●              |
| 29/64    | 0.4531             | 1-3/8      | 4         | 0.4375    | 6          | ●              |
| 15/32    | 0.4688             | 1-3/8      | 4         | 0.4375    | 6          | ●              |
| 31/64    | 0.4844             | 1-1/2      | 4         | 0.4375    | 6          | ●              |
| 1/2      | 0.5000             | 1-1/2      | 4         | 0.4375    | 6          | ●              |
| #60      | 0.0400             | 1/4        | 1-1/2     | 0.0360    | 4          | ●              |
| #59      | 0.0410             | 1/4        | 1-1/2     | 0.0360    | 4          | ●              |
| #58      | 0.0420             | 3/8        | 1-1/2     | 0.0380    | 4          | ●              |
| #57      | 0.0430             | 3/8        | 1-1/2     | 0.0380    | 4          | ●              |
| #56      | 0.0465             | 3/8        | 1-1/2     | 0.0410    | 4          | ●              |
| #55      | 0.0520             | 3/8        | 1-1/2     | 0.0410    | 4          | ●              |
| #54      | 0.0550             | 3/8        | 1-1/2     | 0.0520    | 4          | ●              |
| #53      | 0.0595             | 3/8        | 1-1/2     | 0.0520    | 4          | ●              |
| #52      | 0.0635             | 3/8        | 1-1/2     | 0.0520    | 4          | ●              |
| #51      | 0.0670             | 1/2        | 1-3/4     | 0.0625    | 4          | ●              |
| #50      | 0.0700             | 1/2        | 1-3/4     | 0.0625    | 4          | ●              |
| #49      | 0.0730             | 1/2        | 1-3/4     | 0.0625    | 4          | ●              |
| #48      | 0.0760             | 1/2        | 1-3/4     | 0.0625    | 4          | ●              |
| #47      | 0.0785             | 1/2        | 1-3/4     | 0.0625    | 4          | ●              |
| #46      | 0.0810             | 1/2        | 1-3/4     | 0.0625    | 4          | ●              |
| #45      | 0.0820             | 1/2        | 2         | 0.0781    | 4          | ●              |
| #44      | 0.0860             | 1/2        | 2         | 0.0781    | 4          | ●              |
| #43      | 0.0890             | 1/2        | 2         | 0.0781    | 4          | ●              |
| #42      | 0.0935             | 1/2        | 2         | 0.0781    | 4          | ●              |

# NC Machine Reamers

## 4&6 Flute Straight Shank Chucking Reamers

**MG**  
 Carbide

 Uncoated  
 Bright


Code No: R391-DC

Standard Length

| Dc<br>H7 | Dec.Equiv.<br>Inch | Lc<br>Inch | L<br>Inch | d<br>Inch | Z<br>teeth | Bright<br>R391 |
|----------|--------------------|------------|-----------|-----------|------------|----------------|
| #41      | 0.0960             | 1/2        | 2         | 0.0781    | 4          | ●              |
| #40      | 0.0980             | 5/8        | 2-1/4     | 0.0938    | 4          | ●              |
| #39      | 0.0995             | 5/8        | 2-1/4     | 0.0938    | 4          | ●              |
| #38      | 0.1015             | 5/8        | 2-1/4     | 0.0938    | 4          | ●              |
| #37      | 0.1040             | 5/8        | 2-1/4     | 0.0938    | 4          | ●              |
| #36      | 0.1065             | 5/8        | 2-1/4     | 0.0938    | 4          | ●              |
| #35      | 0.1100             | 5/8        | 2-1/4     | 0.0938    | 4          | ●              |
| #34      | 0.1110             | 5/8        | 2-1/4     | 0.0938    | 4          | ●              |
| #33      | 0.1130             | 5/8        | 2-1/4     | 0.0938    | 4          | ●              |
| #32      | 0.1160             | 5/8        | 2-1/4     | 0.1094    | 4          | ●              |
| #31      | 0.1200             | 5/8        | 2-1/4     | 0.1094    | 4          | ●              |
| #30      | 0.1285             | 5/8        | 2-1/4     | 0.1094    | 4          | ●              |
| #29      | 0.1360             | 3/4        | 2-1/2     | 0.1250    | 4          | ●              |
| #28      | 0.1405             | 3/4        | 2-1/2     | 0.1250    | 4          | ●              |
| #27      | 0.1440             | 3/4        | 2-1/2     | 0.1250    | 4          | ●              |
| #26      | 0.1470             | 3/4        | 2-1/2     | 0.1406    | 4          | ●              |
| #25      | 0.1495             | 3/4        | 2-1/2     | 0.1406    | 4          | ●              |
| #24      | 0.1520             | 3/4        | 2-1/2     | 0.1406    | 4          | ●              |
| #23      | 0.1540             | 3/4        | 2-1/2     | 0.1406    | 4          | ●              |
| #22      | 0.1570             | 3/4        | 2-1/2     | 0.1406    | 4          | ●              |
| #21      | 0.1590             | 3/4        | 2-1/2     | 0.1406    | 4          | ●              |
| #20      | 0.1610             | 7/8        | 2-3/4     | 0.1562    | 4          | ●              |
| #19      | 0.1660             | 7/8        | 2-3/4     | 0.1562    | 4          | ●              |
| #18      | 0.1695             | 7/8        | 2-3/4     | 0.1562    | 4          | ●              |
| #17      | 0.1730             | 7/8        | 2-3/4     | 0.1562    | 4          | ●              |
| #16      | 0.1770             | 7/8        | 2-3/4     | 0.1719    | 4          | ●              |
| #15      | 0.1800             | 7/8        | 2-3/4     | 0.1719    | 4          | ●              |
| #14      | 0.1820             | 7/8        | 2-3/4     | 0.1719    | 4          | ●              |
| #13      | 0.1850             | 7/8        | 2-3/4     | 0.1719    | 4          | ●              |
| #12      | 0.1890             | 7/8        | 2-3/4     | 0.1719    | 4          | ●              |
| #11      | 0.1910             | 7/8        | 2-3/4     | 0.1719    | 4          | ●              |
| #10      | 0.1935             | 1          | 3         | 0.1875    | 4          | ●              |
| #9       | 0.1960             | 1          | 3         | 0.1875    | 4          | ●              |
| #8       | 0.1990             | 1          | 3         | 0.1875    | 4          | ●              |
| #7       | 0.2010             | 1          | 3         | 0.1875    | 4          | ●              |
| #6       | 0.2040             | 1          | 3         | 0.1875    | 4          | ●              |
| #5       | 0.2055             | 1          | 3         | 0.1875    | 4          | ●              |
| #4       | 0.2090             | 1          | 3         | 0.1875    | 4          | ●              |
| #3       | 0.2130             | 1          | 3         | 0.1875    | 4          | ●              |
| #2       | 0.2210             | 1          | 3         | 0.1875    | 4          | ●              |
| #1       | 0.2280             | 1          | 3         | 0.2188    | 4          | ●              |
| A        | 0.2340             | 1          | 3         | 0.2188    | 4          | ●              |
| B        | 0.2380             | 1          | 3         | 0.2188    | 4          | ●              |
| C        | 0.2420             | 1          | 3         | 0.2188    | 4          | ●              |
| D        | 0.2460             | 1          | 3         | 0.2188    | 4          | ●              |
| E        | 0.2500             | 1          | 3         | 0.2188    | 4          | ●              |
| F        | 0.2570             | 1-1/8      | 3-1/4     | 0.2500    | 6          | ●              |
| G        | 0.2610             | 1-1/8      | 3-1/4     | 0.2500    | 6          | ●              |
| H        | 0.2660             | 1-1/8      | 3-1/4     | 0.2500    | 6          | ●              |
| I        | 0.2720             | 1-1/8      | 3-1/4     | 0.2500    | 6          | ●              |
| J        | 0.2770             | 1-1/8      | 3-1/4     | 0.2500    | 6          | ●              |
| K        | 0.2810             | 1-1/8      | 3-1/4     | 0.2500    | 6          | ●              |
| L        | 0.2900             | 1-1/8      | 3-1/4     | 0.2812    | 6          | ●              |
| M        | 0.2950             | 1-1/8      | 3-1/4     | 0.2812    | 6          | ●              |
| N        | 0.3020             | 1-1/8      | 3-1/4     | 0.2812    | 6          | ●              |
| O        | 0.3160             | 1-1/8      | 3-1/4     | 0.2812    | 6          | ●              |
| P        | 0.3230             | 1-1/4      | 3-1/2     | 0.3125    | 6          | ●              |
| Q        | 0.3320             | 1-1/4      | 3-1/2     | 0.3125    | 6          | ●              |
| R        | 0.3390             | 1-1/4      | 3-1/2     | 0.3125    | 6          | ●              |
| S        | 0.3480             | 1-1/4      | 3-1/2     | 0.3125    | 6          | ●              |
| T        | 0.3580             | 1-1/4      | 3-1/2     | 0.3125    | 6          | ●              |
| U        | 0.3680             | 1-1/4      | 3-1/2     | 0.3594    | 6          | ●              |
| V        | 0.3770             | 1-1/4      | 3-1/2     | 0.3594    | 6          | ●              |
| W        | 0.3860             | 1-1/4      | 3-1/2     | 0.3594    | 6          | ●              |
| X        | 0.3970             | 1-1/4      | 3-1/2     | 0.3750    | 6          | ●              |
| Y        | 0.4040             | 1-1/4      | 3-1/2     | 0.3750    | 6          | ●              |
| Z        | 0.4130             | 1-1/4      | 3-1/2     | 0.3750    | 6          | ●              |

### Work Material

| P | H | M | K | N | S |
|---|---|---|---|---|---|
| ○ | ● | ■ | ● | ● | ■ |

|   |       |
|---|-------|
| P | Steel |
|---|-------|

|   |                          |
|---|--------------------------|
| H | <48HRC<br>Hardened Steel |
|---|--------------------------|

|   |           |
|---|-----------|
| K | Cast Iron |
|---|-----------|

|   |           |
|---|-----------|
| N | Aluminium |
|---|-----------|

|   |        |
|---|--------|
| N | Copper |
|---|--------|

|   |          |
|---|----------|
| N | Plastics |
|---|----------|

#### Tolerance: DC

+0.0001/+0.0002: ≤1/4"(.2500)  
 +0.0001/+0.0003: >1/4"(.2500)

#### Feature of product:

Provide superior wear resistance.  
 Can withstand the highest cutting temperatures in low tensile and highly abrasive materials such as Bronze, Copper, Rubber, Aluminium, Cast Iron, and Steel...etc.