



## HIGH PERFORMANCE END MILL • THREE FLUTE/SOLID CARBIDE/ULTRA GOLD COATING • STRAIGHT SHANK

### SERIES 921 CORNER RADIUS ROUGHER • COOLANT-FED



- 35° helix
- Suitable for most materials
- Designed for profiling, slotting and end cutting



### SERIES 922 FINISHER • COOLANT-FED



- 35° helix
- Suitable for most materials
- Designed for slotting, pocketing and finishing



| PART NUMBER | TOOL DIAMETER |         | SHANK DIA. (IN.) | FLUTE LENGTH (IN.) | OAL (IN.) | CORNER RADIUS |
|-------------|---------------|---------|------------------|--------------------|-----------|---------------|
|             | INCH          | DECIMAL |                  |                    |           |               |
| 921-02500   | 1/4           | 0.2500  | 0.2500           | 3/4                | 2-1/2     | 0.015-0.020   |
| 921-03750   | 3/8           | 0.3750  | 0.3750           | 1                  | 2-1/2     | 0.015-0.020   |
| 921-05000   | 1/2           | 0.5000  | 0.5000           | 1                  | 3         | 0.030-0.035   |
| 921-07500   | 3/4           | 0.7500  | 0.7500           | 1-1/2              | 4         | 0.030-0.035   |

| PART NUMBER | TOOL DIAMETER |         | SHANK DIA. (IN.) | FLUTE LENGTH (IN.) | OAL (IN.) |
|-------------|---------------|---------|------------------|--------------------|-----------|
|             | INCH          | DECIMAL |                  |                    |           |
| 922-02500   | 1/4           | 0.2500  | 0.2500           | 3/4                | 2-1/2     |
| 922-03750   | 3/8           | 0.3750  | 0.3750           | 1                  | 2-1/2     |
| 922-05000   | 1/2           | 0.5000  | 0.5000           | 1-1/4              | 3         |
| 922-07500   | 3/4           | 0.7500  | 0.7500           | 1-5/8              | 4         |

## HIGH PERFORMANCE END MILL • FOUR INDIVIDUAL FLUTES • SOLID CARBIDE • PROPRIETARY SIX COAT FINISH

### HURRICANE™ SERIES 923 CORNER RADIUS • COOLANT-FED



- 35° to 38° helix
- Synchronized cutting action eliminates vibration
- Recommended for stainless steels, high temperature alloys, cast iron, low carbon steels as well as tool & die steels.



### HURRICANE™ SERIES 924 SQUARE CORNER • COOLANT-FED



- 35° to 38° helix
- Synchronized cutting action eliminates vibration
- Recommended for stainless steels, high temperature alloys, cast iron, low carbon steels as well as tool & die steels.



| PART NUMBER | TOOL DIAMETER |         | SHANK DIA. (IN.) | FLUTE LENGTH (IN.) | OAL (IN.) | CORNER RADIUS |
|-------------|---------------|---------|------------------|--------------------|-----------|---------------|
|             | INCH          | DECIMAL |                  |                    |           |               |
| 923-02500   | 1/4           | 0.2500  | 0.2500           | 3/4                | 2-1/2     | 0.015-0.020   |
| 923-03750   | 3/8           | 0.3750  | 0.3750           | 1                  | 2-1/2     | 0.015-0.020   |
| 923-05000   | 1/2           | 0.5000  | 0.5000           | 1                  | 3         | 0.015-0.020   |
| 923-06250   | 5/8           | 0.6250  | 0.6250           | 1-1/2              | 4         | 0.025-0.030   |
| 923-07500   | 3/4           | 0.7500  | 0.7500           | 1-1/2              | 4         | 0.030-0.035   |

| PART NUMBER | TOOL DIAMETER |         | SHANK DIA. (IN.) | FLUTE LENGTH (IN.) | OAL (IN.) |
|-------------|---------------|---------|------------------|--------------------|-----------|
|             | INCH          | DECIMAL |                  |                    |           |
| 924-02500   | 1/4           | 0.2500  | 0.2500           | 3/4                | 2-1/2     |
| 924-03750   | 3/8           | 0.3750  | 0.3750           | 1                  | 2-1/2     |
| 924-05000   | 1/2           | 0.5000  | 0.5000           | 1                  | 3         |
| 924-06250   | 5/8           | 0.6250  | 0.6250           | 1-1/2              | 4         |
| 924-07500   | 3/4           | 0.7500  | 0.7500           | 1-1/2              | 4         |

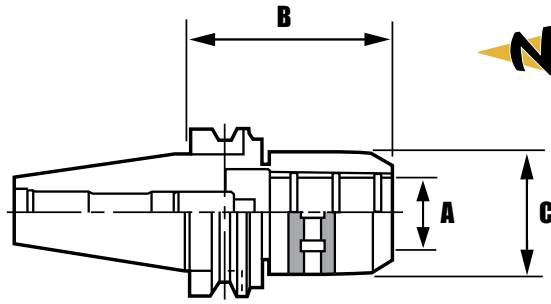
• For coolant thru milling chuck holders see our holder section, page 37.



Visit our website at [www.coolantfedtooling.com](http://www.coolantfedtooling.com) for technical information and our latest product offerings.



## PRECISION MILLING CHUCKS



**NEW**

COOLANT-FED  
END MILLS

### SERIES PMC • COOLANT-FED

- Radial and axial groove gripping ensure accuracy and have 5-6 times more grip torque than ER and/or TG systems
- Complete with coolant sealing depth adjustment screw
- Available in CAT, BT and HSK style flanges
- Metric and inch size straight reducing collets available
- Excellent choice for tough roughing as well as fine finishing
- Symmetrically balanced for speeds up to 10,000 RPM
- 0.0002 TIR at 4x Diameter
- Meets AT3 Taper Specification

### Coolant-Fed Milling Chucks

The George Whalley Company precision milling chucks provide maximum performance for solid carbide, carbide tipped and indexable tools. All chucks are sealed with an adjustment screw at the back end of the toolholder eliminating the need for sealed collets. The combination of radial and axial grooves provides the best grip in the marketplace, 0.0002 TIR accuracy. These chucks are great for roughing or fine finishing applications and are available in CAT V holders, BT holders and HSK holders.

| SHANK  | A       |       | MM  | B       |         | C                   | PART NUMBER |
|--------|---------|-------|-----|---------|---------|---------------------|-------------|
|        | DECIMAL | INCH  |     | DECIMAL | DECIMAL |                     |             |
| CAT40  | 0.750   | 3/4   | 85  | 3.350   | 2.090   | C40-PMC-0.750-085 * |             |
| CAT40  | 1.250   | 1-1/4 | 90  | 3.540   | 2.760   | C40-PMC-1.250-090   |             |
| CAT50  | 0.750   | 3/4   | 105 | 4.130   | 2.090   | C50-PMC-0.750-105   |             |
| CAT50  | 1.250   | 1-1/4 | 90  | 3.540   | 2.910   | C50-PMC-1.250-090   |             |
| CAT50  | 1.250   | 1-1/4 | 105 | 4.130   | 2.910   | C50-PMC-1.250-105   |             |
| BT40   | 0.750   | 3/4   | 75  | 2.950   | 2.090   | B40-PMC-0.750-075   |             |
| BT40   | 1.250   | 1-1/4 | 85  | 3.350   | 2.760   | B40-PMC-1.250-085   |             |
| HSK63A | 0.750   | 3/4   | 95  | 3.740   | 2.090   | H63-PMC-0.750-095   |             |
| HSK63A | 1.250   | 1-1/4 | 100 | 3.940   | 2.760   | H63-PMC-1.250-100   |             |

\* CFT C40-PMC 0.750-085 #904 short projection milling chuck does not meet ANSI specifications

| REDUCING COLLETS |         | REDUCING COLLETS   |         |
|------------------|---------|--------------------|---------|
| 3/4" MILL CHUCKS | SIZE    | 1-1/4" MILL CHUCKS | SIZE    |
| PMC 0.750-0125   | 1/8"    | PMC 1.250-0125     | 1/8"    |
| PMC 0.750-0187   | 3/16"   | PMC 1.250-0187     | 3/16"   |
| PMC 0.750-0250   | 1/4"    | PMC 1.250-0250     | 1/4"    |
| PMC 0.750-0312   | 5/16"   | PMC 1.250-0312     | 5/16"   |
| PMC 0.750-0375   | 3/8"    | PMC 1.250-0375     | 3/8"    |
| PMC 0.750-0437   | 7/16"   | PMC 1.250-0437     | 7/16"   |
| PMC 0.750-0500   | 1/2"    | PMC 1.250-0500     | 1/2"    |
| PMC 0.750-0625   | 5/8"    | PMC 1.250-0625     | 5/8"    |
| PMC 0.750-06MM   | 6.00MM  | PMC 1.250-0750     | 3/4"    |
| PMC 0.750-06MM   | 8.00MM  | PMC 1.250-0812     | 13/16"  |
| PMC 0.750-10MM   | 10.00MM | PMC 1.250-0875     | 7/8"    |
| PMC 0.750-12MM   | 12.00MM | PMC 1.250-0937     | 15/16"  |
| PMC 0.750-14MM   | 14.00MM | PMC 1.250-1000     | 1"      |
| PMC 0.750-16MM   | 16.00MM | PMC 1.250-06MM     | 6.00MM  |
|                  |         | PMC 1.250-08MM     | 8.00MM  |
|                  |         | PMC 1.250-10MM     | 10.00MM |
|                  |         | PMC 1.250-12MM     | 12.00MM |
|                  |         | PMC 1.250-14MM     | 14.00MM |
|                  |         | PMC 1.250-16MM     | 16.00MM |

- STOP SCREWS: All chucks are supplied with PMC-CSC - standard length stop screw complete with an extension kit for use with our reducing collets listed above
- Order part number PMC-CSC-XL if a longer length stop screw is required
- Coolant through the spindle machining centers that use HSK holders require part number PMC-HSK-Coolant tube.