

## THREAD STEEL HAWG CARBIDE TIPPED CUTTERS

### 2" CUTTING DEPTH

- Carbide-tipped multiple alternating inside and outside cutting edges
- For steel, cast iron or aluminum
- 3 times faster than twist drills in steel, stainless or non-ferrous metals



VH110

| Dia."   | Model No. | Price /Each | Dia."   | Model No. | Price /Each | Dia." | Model No. | Price /Each |
|---------|-----------|-------------|---------|-----------|-------------|-------|-----------|-------------|
| 3/4     | VH101     |             | 1 3/16  | VH180     |             | 3 3/8 | VH241     |             |
| 13/16   | VH106     |             | 1 7/8   | VH185     |             | 3 1/2 | VH242     |             |
| 7/8     | VH110     |             | 1 15/16 | VH190     |             | 3 5/8 | VH244     |             |
| 15/16   | VH115     |             | 2       | VH194     |             | 3 3/4 | VH245     |             |
| 1       | VH119     |             | 2 1/16  | VH198     |             | 3 7/8 | VH247     |             |
| 1 1/16  | VH124     |             | 2 1/8   | VH201     |             | 4     | VH249     |             |
| 1 1/8   | VH129     |             | 2 1/4   | VH205     |             | 4 1/8 | VH250     |             |
| 1 3/16  | VH133     |             | 2 5/16  | VH208     |             | 4 1/4 | VH251     |             |
| 1 1/4   | VH139     |             | 2 3/8   | VH210     |             | 4 3/8 | VH252     |             |
| 1 5/16  | VH143     |             | 2 1/2   | VH215     |             | 4 1/2 | VH253     |             |
| 1 3/8   | VH148     |             | 2 9/16  | VH217     |             | 4 5/8 | VH254     |             |
| 1 7/16  | VH153     |             | 2 5/8   | VH220     |             | 4 3/4 | VH255     |             |
| 1 1/2   | VH157     |             | 2 3/4   | VH224     |             | 5     | VH256     |             |
| 1 9/16  | VH162     |             | 2 7/8   | VH228     |             | 5 1/2 | VH257     |             |
| 1 5/8   | VH166     |             | 3       | VH232     |             | 6     | VH258     |             |
| 1 11/16 | VH171     |             | 3 1/8   | VH236     |             |       |           |             |
| 1 3/4   | VH175     |             | 3 1/4   | VH239     |             |       |           |             |

## ARBOR ASSEMBLIES FOR THREADED SHANK STEEL HAWG CUTTERS

### 3/4" SHANK ARBOR ASSEMBLY

For use on motors TF328. Oil hose and hand pump not included.

Model No. VH080 Price/Each \$



VH080

### NO. 3 MORSE TAPER QUICK ARBOR ASSEMBLY

For use on motors TF334 and TF335. Oil hose and hand pump not included.

Model No. TEA295 Price/Each \$



TEA295

### NO. 3 MORSE TAPER ASSEMBLY

For use on motors TF328. No. 3 Morse taper assembly will allow 3/4" Weldon® style shank cutters to be used with Milwaukee's large magnetic drill stands.

Model No. VH074 Price/Each \$

## ANNULAR CUTTERS

- M2 quality high speed steel
- Right-hand cutting direction
- 3/4" Weldon shank

### Applications:

- For general purpose cutting of steel plate, structural steel, steel pipe, etc
- 3 to 5x faster cutting than conventional drills
- Produces quality burr-free hole in a single pass
- Ideal for magnetic base drill, drill presses and milling machines



CLARKSON OSBORN

### 1" DEPTH OF CUT

### 2" DEPTH OF CUT

### 3" DEPTH OF CUT

| Fractional Size" | Model No. | Price /Each | Fractional Size" | Model No. | Price /Each | Fractional Size" | Model No. | Price /Each |
|------------------|-----------|-------------|------------------|-----------|-------------|------------------|-----------|-------------|
| 1/2              | TFX101    |             | 1/2              | TFX129    |             | 3/4              | TFX156    |             |
| 9/16             | TFX102    |             | 9/16             | TFX130    |             | 13/16            | TFX157    |             |
| 5/8              | TFX103    |             | 5/8              | TFX131    |             | 7/8              | TFX158    |             |
| 11/16            | TFX104    |             | 11/16            | TFX132    |             | 15/16            | TFX159    |             |
| 3/4              | TFX105    |             | 3/4              | TFX133    |             | 1                | TFX160    |             |
| 13/16            | TFX106    |             | 13/16            | TFX134    |             | 1 1/16           | TFX161    |             |
| 7/8              | TFX107    |             | 7/8              | TFX135    |             | 1 1/8            | TFX162    |             |
| 15/16            | TFX108    |             | 15/16            | TFX136    |             | 1 3/16           | TFX163    |             |
| 1                | TFX109    |             | 1                | TFX137    |             | 1 1/4            | TFX164    |             |
| 1 1/16           | TFX110    |             | 1 1/16           | TFX138    |             | 1 5/16           | TFX165    |             |
| 1 1/8            | TFX111    |             | 1 1/8            | TFX139    |             | 1 3/8            | TFX166    |             |
| 1 3/16           | TFX112    |             | 1 3/16           | TFX140    |             | 1 7/16           | TFX167    |             |
| 1 1/4            | TFX113    |             | 1 1/4            | TFX141    |             | 1 1/2            | TFX168    |             |
| 1 5/16           | TFX114    |             | 1 5/16           | TFX142    |             | 1 9/16           | TFX169    |             |
| 1 3/8            | TFX115    |             | 1 3/8            | TFX143    |             | 1 5/8            | TFX170    |             |
| 1 7/16           | TFX116    |             | 1 7/16           | TFX144    |             | 1 11/16          | TFX171    |             |
| 1 1/2            | TFX117    |             | 1 1/2            | TFX145    |             | 1 3/4            | TFX172    |             |
| 1 9/16           | TFX118    |             | 1 9/16           | TFX146    |             | 1 13/16          | TFX173    |             |
| 1 5/8            | TFX119    |             | 1 5/8            | TFX147    |             | 1 7/8            | TFX174    |             |
| 1 11/16          | TFX120    |             | 1 11/16          | TFX148    |             | 1 15/16          | TFX175    |             |
| 1 3/4            | TFX121    |             | 1 3/4            | TFX149    |             | 2                | TFX176    |             |
| 1 13/16          | TFX122    |             | 1 13/16          | TFX150    |             | 2 1/16           | TFX177    |             |
| 1 7/8            | TFX123    |             | 1 7/8            | TFX151    |             | -                | -         | -           |
| 1 15/16          | TFX124    |             | 1 15/16          | TFX152    |             | -                | -         | -           |
| 2                | TFX125    |             | 2                | TFX153    |             | -                | -         | -           |
| 2 1/16           | TFX126    |             | 2 1/16           | TFX154    |             | -                | -         | -           |
| 2 1/4            | TFX127    |             | 2 1/4            | TFX155    |             | -                | -         | -           |

Cut pin required TFX178  
Price/Each \$

Cut pin required TFX179  
Price/Each \$

Cut pin required TFX180  
Price/Each \$